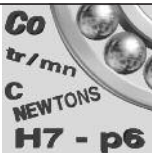


Products that meet your expectations

- TOPLINE bearings for extreme use
- MachLine high precision bearings
- Premier spherical roller bearings
- Maintenance products
- Services



The answers to your technical questions



Prefixes / suffixes definition - Interchange

- SNR prefixes / suffixes definition
- Competitor prefixes and suffixes and SNR equivalent



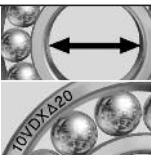
SNR bearings

Standard and special bearings

- Bore size classification P 75
- P/N's classification (*alphanumerical*) P 106

Insert bearings for self-aligning bearing units

- P/N's classification (*alphanumerical*) P 178



SNR High Precision bearings and precision nuts

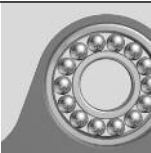


SNR pillow blocks and other products

Pillow blocks

Other products

- Sleeves
- Nuts
- Washers
- Balls



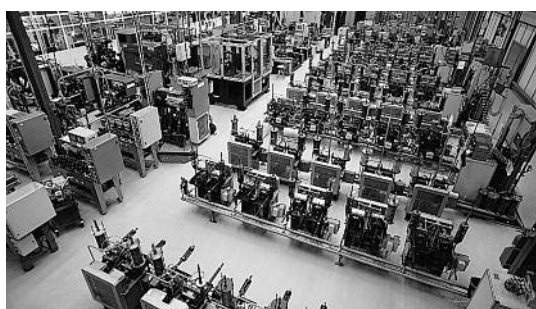


The SNR Group

Bearing designer and manufacturer for almost a century, SNR is a major world-renowned actor and the partner of the leaders in the **Automotive**, **Industry** and **Aerospace** thanks to a thorough supply of highly technological products and **exclusive services**.

In addition to its 5 factories, SNR group has production sites in Germany, Italy, Romania, Brazil and in the USA and is represented in over 200 countries through its subsidiaries that ensure our bearing marketing.

Every year, SNR devotes over 5% of its sales turnover in **Research & Development**. This policy is dictated by our **Innovation** and **Quality** culture. Employee **expertise** is a major benefit of the SNR offer. Specialist teams, dedicated to training and maintenance, are focused on product quality and a permanent quest for efficiency and service with regards to our clients.



SNR Industry proposes a wide range of **standard bearings** (ball bearings, **tapered, cylindrical** and **spherical roller bearings**), **high precision bearings, bearing units and housings, maintenance products**. This catalogue comprises the complete lists of our range of standard and special bearings. It will also be useful to find elementary technical information.

The updated list of our products is also available online on the SNR Industry website **www.snr-bearings.com/catalogue** in the "Catalogue industry" section. You will find the complete features and the main applications of our products. In addition, **our online order site** will help you to check our product availability or

place your express orders in a few clicks, 7 days a week, 24 hours a day. To benefit from this service, please connect to our website and send us your request by the means of the contact form or contact your usual SNR interlocutor directly.

Products that meet your expectations



TOPLINE ball bearings for extreme use - Available from stock.

Range	Typical applications	Characteristics
<ul style="list-style-type: none"> • High temperatures: FT150 series: 150°C (300°F) Up to 500000 N.Dm, • HT200 series: 200°C (400°F) Up to 150,000 N.Dm, • Low temperatures: LT series: down to -60°C (-75°F), • High speeds: HV series: up to 700,000 N.Dm. 	<ul style="list-style-type: none"> • Electric motors, pumps, capacitors, industrial fans, alternators, Ceramic industry, steel mills, naval engines, textile industry, freezing appliances ... 	<ul style="list-style-type: none"> • Optimized internal design, • Heat treatment adapted to different uses, • Special grease, • Protection by waterproof seals or metal deflector, • Tightened tolerances for the HV series, high precision bearings (DIN P6 or ISO6 standard).

*TOPLINE bearings applications:

- FT150 & FT150ZZ: Electric motors, capacitors, fans and et compressors, ovens, pumps, photocopiers, food and pharmaceutical industries...
- HT200 & HT200ZZ: Iron and steel, ceramic, food processing and, paper mill industries, industrial fans...
- HV ZZ: Textile industry, groove shapers for wood cabinets, naval engines, food can industry, alternators, wood machine-tool spindles and electric spindles...
- LT & LT ZZ: Ski resort equipment (compressors), freezing appliances for food processing industry, gas production, fork-lift trucks for cold rooms...



TOPLINE ball bearings F600, F604 for very high temperature.

Avantages	Characteristics	Operating conditions	Typical applications	Range
<ul style="list-style-type: none"> All the advantages of standard bearings plus an internal design specially adapted to accommodate very high temperatures. 	<ul style="list-style-type: none"> Pressed steel cage, Radial clearance adapted to the temperature, Steel material with stress-relief tempering, Phosphate treatment and molybdenum disulphide coating of the active surfaces to improve the lubrication, Shields and lubrication (high-temperature lubricating compound) for version F604. 	<ul style="list-style-type: none"> Continuous or intermittent operating temperature up to 350°C (660°F) at low speeds (less than 50 rpm) and under light loads. 	<ul style="list-style-type: none"> Earthenware works, glass industry, steel mills, foundries cement mills, brick-works, kiln cars, conveyor rollers in severe thermal environments (bread baking conveyors, etc.). 	<ul style="list-style-type: none"> Conrad type, single-row ball bearings series 6000, 6200, 6300, Variation with lubrication and two integrated shields ZZ (suffix F604): Contact your SNR representative.

Products that meet your expectations



MachLine high precision bearings for machine-tool spindles

SNR collaborates with the biggest aeronautic and aerospace programs (Ariane 5 rocket, A380 passenger plane...). Thanks to this experience and to the competencies acquired in these domains where high constraints and high precision requirements are met, our engineers now have a solid expertise. This expertise has enabled SNR to become a significant actor in the manufacturing of high precision bearing and to develop the MachLine range, a range of excellence for machine-tools. The different series of this range offer a wide variety of executions and give you the best compromise to answer the most precise needs:

- **High precision:**

- Manufacturing precision "P4S" is standard, excellent compromise between performance parameters, speed, rigidity, load capacity and precision.

- **High speed (ML):**

- Manufacturing precision "P4S" is standard, optimized track geometry, low heating and limit speed increased (+20%).

- **Sealed (MLE):**

- Manufacturing precision "P4S" is standard, non-contact nitrile rubber seals, which does not reduce the bearing limiting speed.

- **Hybrids (CH) - all series are available in hybrid version:**

- Reduced operating temperature, increased speed capability, rigidity and service life increased.



MachLine high precision bearings for machine-tool spindles

Advantages	Characteristics	Operating conditions	Typical applications	Range
<ul style="list-style-type: none"> • Very high rotation precision, • Shorter machining times, • Quality control: <ul style="list-style-type: none"> - high rotating accuracy - low temperature rise - high rigidity, • Reduced maintenance cost, • Good load carrying capacity, resulting in an increased service life. 	<ul style="list-style-type: none"> • P4S and ISO2 precision, • 17° and 25° Contact angle, • Phenolic resin laminated cage (other on demand), • Universal bearings, Set of universal bearings, • Set of paired bearings • MLE: nitrile seal without contact. 	<ul style="list-style-type: none"> • Any application requiring a very high rotating accuracy, rigidity and speed. 	<ul style="list-style-type: none"> • Machine-tool spindles up to 2.2 millions Ndm (and up to +30% with ceramic balls), • Spindle with sealed bearings lubricated with grease. 	<ul style="list-style-type: none"> • Angular contact ball bearing series 71900, 7000 and 7200, • ML and MLE: 71900 et 7000 series, • Bearings with ceramic balls.



Self-locking precision nuts

The self-locking precision nuts are assembly accessories that must be used in cases such as the following:

- When a preloading of the bearings package is required to guarantee the maintenance of the preloading time-value.
- When a high precision bearing assembly is being used, since this requires the use of accessories which will maintain the precision level

of the equipment as a whole.

- When the setting of the position of the bearings package must be reliable and long-lasting, even when it is not preloaded (especially if the presence of significant axial efforts is foreseen during the operation of the equipment).

Overall, this type of nuts is used with angular contact ball bearings (whether high precision or not), with cone bearings or with combined needle bearings. The thread and the flat side of the nut which lean against the bearing are built in the same fixation by which a high precision perpendicularity is obtained: 0.005 millimetre tolerance.

Products that meet your expectations



Premier: SNR high performance standard

Started with spherical roller bearings, the "Premier" approach consists of developing standardised bearings with high-level performance, endurance and longevity features as a standard. Symbol of the quality of our brand as a standard product, "Premier" creates a strong identity and demonstrates the desire of SNR to offer consistent value for the most common applications.

The 4 keys of the Premier approach

To become "Premier", our standard bearings must meet strict requirements in 4 fields which determine their reliability and their life:

- A thorough control of steel: less wear, less damage, more stability at high temperature.
- Design: compactness and load capacity, the result of SNR experience,
- Sealing lubrication: important elements in the design,
- Bearing Finish: quality assurance in production and continuous improvement activity on machines and processes.

Spherical roller bearings: First Premier

SNR spherical roller bearings were the first to benefit from the Premier system. The tests carried out on these new products showed very significant gains: + 18% for the load capacity, + 75% minimum life duration. The "Premier" brand name is clearly visible on the specific packaging created for the launching of the range. The bearing itself bears a specific marking. In addition, to fight against counterfeits, all SNR standard bearings benefit from a new holographic label comprising several safety levels. These multiple identifications express the difference between SNR "standards" and products without any guarantee. Gradually, the Premier specification will be applied to all the brand's bearings.



Spherical roller bearings series EA / EAK

Advantages	Characteristics	Operating conditions	Typical applications	Range
<ul style="list-style-type: none"> • Pressed steel cage used as a standard feature for the whole range, • Steel stabilized for operating, temperature up to 200°C (390°F). 	<ul style="list-style-type: none"> • Phosphate-coated, window-type pressed steel cage, • Relubrication groove and holes (W33). 	<ul style="list-style-type: none"> • Standard, even for operating temperatures exceeding 150°C (300°F). 	<ul style="list-style-type: none"> • Paper mill, • Agricultural and textile equipment, • General mechanical industry, • Wood working machines, • Handling and public works, etc. 	<ul style="list-style-type: none"> • Series 22200 • 22300 • 23000 • 23100 • 23200 • 24000.



Spherical roller bearings series EG15 / EG15K

Advantages	Characteristics	Operating conditions	Typical applications	Range
<ul style="list-style-type: none"> Benefit offered by the polyamide cage: <ul style="list-style-type: none"> - better resistance at high speed and during acceleration thanks to the cage elasticity and flexibility - low noise level: reduced resonance. 	<ul style="list-style-type: none"> Cage made of fiber-reinforced polyamide 6/6, Relubrication groove and holes (W33). 	<ul style="list-style-type: none"> Standard for temperatures up to 120°C (250°F). 	<ul style="list-style-type: none"> Same as above but only for operating temperatures up to 120°C (250°F). 	<ul style="list-style-type: none"> Series 22200 22300



Spherical roller bearings series EM / EMK

Advantages	Characteristics	Operating conditions	Typical applications	Range
<ul style="list-style-type: none"> Better resistance to impacts and vibration: one-piece solid cage (no floating flange), minimum resonance, Steel stabilized for operating temperature up to 200°C (390°F). 	<ul style="list-style-type: none"> One-piece solid brass cage centered on rollers, Relubrication groove and holes (W33). 	<ul style="list-style-type: none"> High resistance to impacts and vibration. 	<ul style="list-style-type: none"> Paper mill, Cement mill: shakes screens, Flour mill, Bearing units for heat treatment furnaces, etc. 	<ul style="list-style-type: none"> Series 22200 22300 23000 23100 23200



Spherical roller bearings series EF800 / EKF800

Advantages	Characteristics	Operating conditions	Typical applications	Range
<ul style="list-style-type: none"> Better resistance to impacts and vibration (one-piece solid cage), More accurate clearance, Optimum service life thanks to reduced manufacturing tolerances, Steel stabilized for operating temperature up to 200°C (390°F). 	<ul style="list-style-type: none"> One-piece solid brass cage centered on rollers, C4, Closer tolerances applicable to internal clearance, bore and outside diameter, Inner ring with lateral shoulders, Relubrication groove and holes (W33). 	<ul style="list-style-type: none"> Severe operating conditions: unbalanced loads, vibration, impacts. 	<ul style="list-style-type: none"> Quarries, grinders, crushers, screens Textile industry, Chemical industry, Flour mill, Sugar mill, etc. 	<ul style="list-style-type: none"> Series 22300, Other series: please contact SNR.

Products that meet your expectations

Maintenance products



SNR LUB greases

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Reliable: developed and made by a bearing, manufacturer and approved petroleum suppliers, • Adapted to the needs: <ul style="list-style-type: none"> - different types as per applications - packaging method adapted to the types of grease. 	<ul style="list-style-type: none"> • NLGI2 grade for all greases, • Operating temperature between -50°C to +250°C according to type, • Very good resistance to water and corrosion. 	Range adapted to following applications: <ul style="list-style-type: none"> • Multiservice MS, • Extreme pressure EP, • High speed GV, • High viscosity FV, • Low speed, extreme pressure VX, • High temperature HT, • Very high temperature THT, • Food compatible grease AL1. 	<ul style="list-style-type: none"> • All types of bearings, pillow blocks and mounted units as per load and environmental requirements.



SNR automatic lubricator

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Safe: inert gas produced within a sealed chamber, • Cerchar and Ineris approvals: electrical equipment usable in an explosive atmosphere, • Reliable lubrication: not readily accessible or dangerous areas, • Automatic: less frequent monitoring, • Flowrate adjustment: one product for all applications, • Sealed: operation possible when immersed. 	<ul style="list-style-type: none"> • Flowrate programmable via switches, • Can be stopped during operation (ON/OFF), • Pressure: 3 bar (43 psi) maximum, • Volume: 125 cm³ (4.2 ozfl), • Different types of grease can be used. 	<ul style="list-style-type: none"> • Direct installation on the component to be lubricated, • Remote installation (1 m or 3 ft away) in case of excessive temperature, uneasy access or vibration, • Range of lubricators AL1 EP HT MS VX 	<ul style="list-style-type: none"> • All types of machines regardless of the environment.

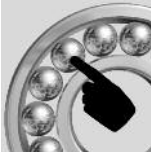


Grease gun for bearings

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Robust: entirely made of steel, • Practical use: knurled body for an excellent grip, the pump can be actuated with one hand, • Precise: especially designed SNR union combined to a special profile greasing nozzle to inject the grease at the right point, • Clean: closed circuit, clean for the environment and the user. 	<ul style="list-style-type: none"> • Material: heavy steel plate, • Weight: 2-1/2 pounds with steep section and clip, • Content: 500cm³, • Operating pressure: 180bars, • Maximum pressure: 360bars, • Flow rate: 0.80cm³, • Greasing accessories supplied with the gun. 	<ul style="list-style-type: none"> • Maintenance operations (greasing, regreasing). 	<ul style="list-style-type: none"> • For all bearings.



Induction heaters (Fast Therm 20/35/150/300/600/1000)



Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Easy to use: pivot arm, operator's safety, cleanliness, • Heating control and safety: temperature control, • Efficiency: turbo-boost technology that heats the part twice as rapidly. 	<ul style="list-style-type: none"> • 6 devices range, • Automatic demagnetizing on completion of the cycle. 	<ul style="list-style-type: none"> • All circular parts with a maximum bore diameter from 215 to 1150mm. 	<ul style="list-style-type: none"> • Steel ring bearings, gears etc. with tightered adjustment on the shaft.



Heat-insulating gloves

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Non-flammable, resistance to temperatures up to 350°C / 660°F, • High protection: arm + hand (glove length: 35cm / 14 inches, • Very high resistance to cuts, tears and abrasion. 	<ul style="list-style-type: none"> • Made of Kevlar, • Certified for EN388 mechanical and EN407 thermal risks. 	-	<ul style="list-style-type: none"> • Handle of oily, hot bearings.



Installation kit

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Do not deteriorate the bearings during installation, • Practical, thorough transportable kit. 	<ul style="list-style-type: none"> • 3 impact tubes, • 1 set of 33 impact rings, • 1 special hammer, anti-bounce, shot-loaded, to ensure maximum impact. 	-	<ul style="list-style-type: none"> • Bearings (bore diameter from 10 to 55 mm), spacer rings, pulleys and seals installation.



Spanner wrenches

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Solid, safe, simple to use. • 5 sizes to cover all needs, • Capacity: 15 to 180 mm, • Pins are heat-treated to 40 HRc Rockwell hardness. 	<ul style="list-style-type: none"> • 2 types of wrenches available: pin wrenches to tighten drilled nuts (e.g. precision nuts) and castellated wrenches to tighten nuts with straight lots (or castellated nuts). 	<ul style="list-style-type: none"> • 5 sizes: 15-35 mm ; 35-50 mm ; 50-80 mm ; 80-120 mm ; 120-180 mm. 	<ul style="list-style-type: none"> • Tightening and removal operations for standard and precision nuts.

Products that meet your expectations

Maintenance products



Fitting compound

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Contact corrosion reduction, • Extended shaft and bearing housing life, • Water and washout resistant, • Stick-slip reduction. 	<ul style="list-style-type: none"> • Composition: lithium soap, synthetic oil, solid organic lubricants, • Operating temperature: -45°C to 150°C, • NLGI grade: 1. 	-	<ul style="list-style-type: none"> • Installation or removal by fitting (bearings, wheels, flanges...).



Hydraulic extractor

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Simple thanks to its integrated hydraulic pump, • Solid, robust, • No energy loss. 	<ul style="list-style-type: none"> • 2 or 3 interchangeable jaws, • Light weight, • Extraction force: 10 tons. 	<ul style="list-style-type: none"> • Always position the protection cover over the jaws when using the extractor. 	<ul style="list-style-type: none"> • Removal of bearing assemblies, • Removal of bearings either by the bore or by the outer diameter, by reversing the jaws.



Calibrated feeler gauges

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • High precision measurement, • Set of gauges protected by a steel frame. 	<ul style="list-style-type: none"> • Set of 18 gauges, round tip. • Calibrated to 1/100th, • 2 lengths available: 90x10mm et 150x10mm. 	<ul style="list-style-type: none"> • Control of bearings fit, • 2 sets available (+1 en inch). 	<ul style="list-style-type: none"> • Internal radial clearance measurement in spherical and cylindrical roller bearings.



Laser-targeting thermometer

Advantages	Description	Operating conditions	Applications
<ul style="list-style-type: none"> • Simple to use, • Precise. 	<ul style="list-style-type: none"> • Non-contact infrared measurement, • Emissivity adjustment 0.20 to 1.00, • °C/°F switching. 	<ul style="list-style-type: none"> • Functional monitoring. 	<ul style="list-style-type: none"> • Bearings, plain bearings, lubrication systems, surface temperature, Live components...

Products that meet your expectations

SNR Industry services



• Expertise

If your bearing is damaged or operates incorrectly, our experts are at your disposal to analyse the incriminated bearing. They can be seconded to your site as required.

In case of premature bearing damage, the bearing state will provide significant information. Therefore, send the bearing to SNR Ancey without cleaning it, and mandatorily accompanied with analysis request sheet, duly completed (available from your SNR contact or distributor). Please provide maximum information concerning bearing operation and environment.

SNR experts ensure on-site presence, everywhere in the world. Their interventions are quick and well targeted to help our clients solve potential or actual problems.

• Installation / Removal

Our experts can intervene on-site, everywhere in the world and on short notice. Their mission consists of providing suitable consulting advice for bearing installation and removal to ensure optimum service life. Therefore, this service is effective at all collaboration stages between SNR and its clients, before and after sales, and also during the bearing service life. If you do not possess suitable means, or if you lack the time or availability, SNR is there to help you.

• Shaft alignment

Misalignment entails stress loading and vibrations that give rise to premature deterioration of bearings, and also coupling, packing and sealing, etc. Abnormal stress loading associated with misalignment also entails increased energy consumption. Misalignment has a direct impact on maintenance costs and the availability of your production tool. By entrusting your shaft alignment operations to the teams of SNR experts, you will guarantee the precision of alignment and will ensure the quality of your rotating machines elements.

• Vibration analysis

Vibration analysis is the most commonly used on-condition maintenance method for rotating machines, which are essential elements at the heart of the manufacturing process. Measurements on operating machines are easy to implement and the process allows early detection of most faults encountered on production machines. Many anomalies such as shaft line unbalance play, misalignment of coupled machines, coupling deterioration, plays, bearing wear, or even electrical faults can be detected with sufficient anticipation to plan an intervention before failure.

SNR has developed a whole range of measuring and monitoring instruments in order to accurately analyse all environmental constraints likely to affect correct operation of your facilities and, notably, your bearings.

In order to detect weak points in your equipment and facilities and solve them, we also propose a range of products and services, suitable for vibration monitoring of the rotating machines, together with our partner, 01dB Acoustics and Vibration, a renowned expert in this field.

The answers to your technical questions

The bearings

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A General data

1 Vocabulary and basic knowledge

1.1 Function

A bearing is a mechanical unit that provides a mobile link between two parts which rotate in relation to each other in a mechanism.

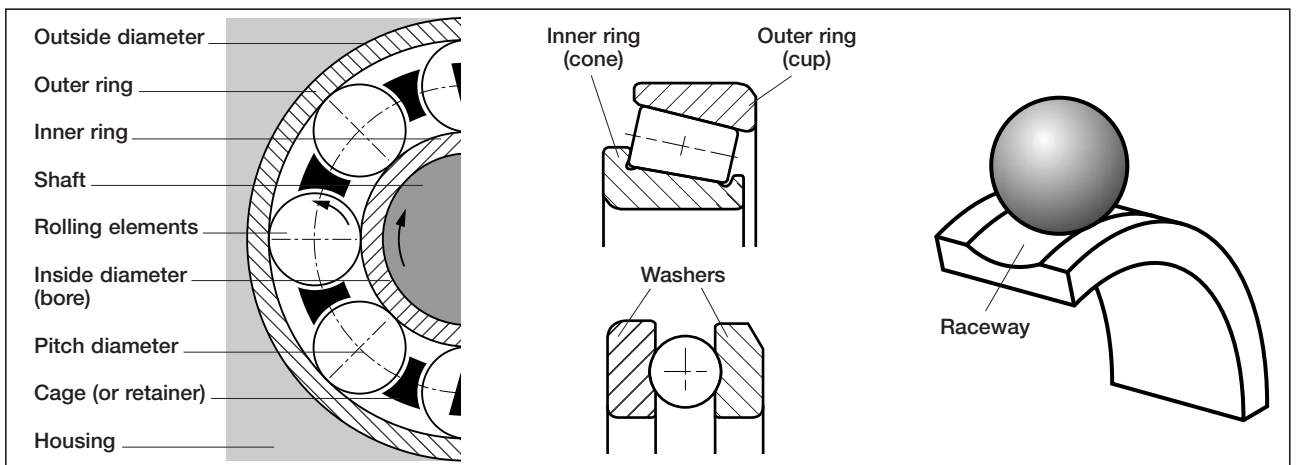
Its function is to permit relative rotation of these parts, under load, with accuracy and minimum friction.

1.2 Vocabulary

The housing is the mounting location of the bearing outer ring.

The shaft is the component that fits into the inner ring.

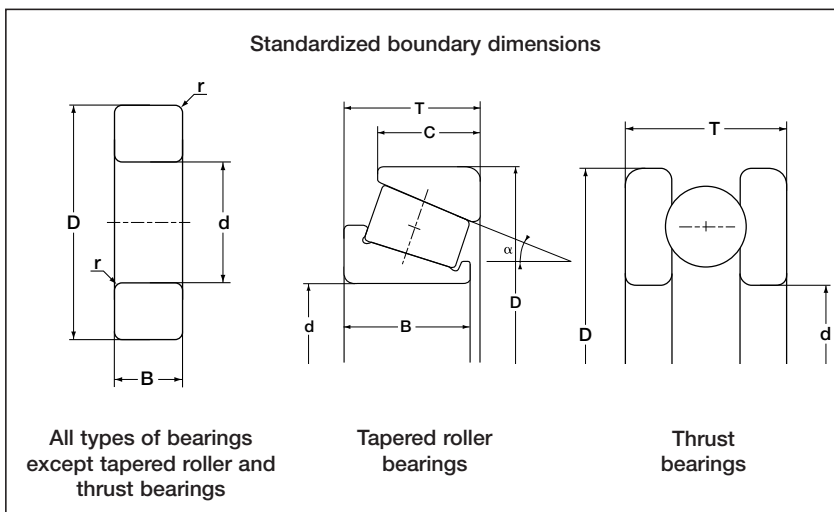
The pitch diameter is the diameter of a fictitious circle passing through the center of the rolling elements. To facilitate computation, it is often replaced by the average diameter $(d+D)/2$.



2 Standardization

Due to their universal use, bearings must be interchangeable with respect to their dimensions, accuracy, radial internal clearance and other characteristics.

2.1 Dimensional standards



d = Bore

D = Diameter

B = Width

C = Outer ring width

T = Overall bearing width

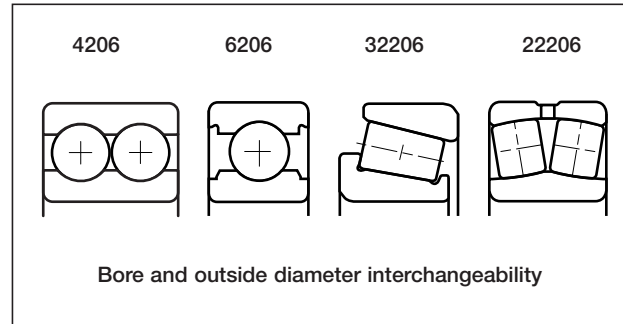
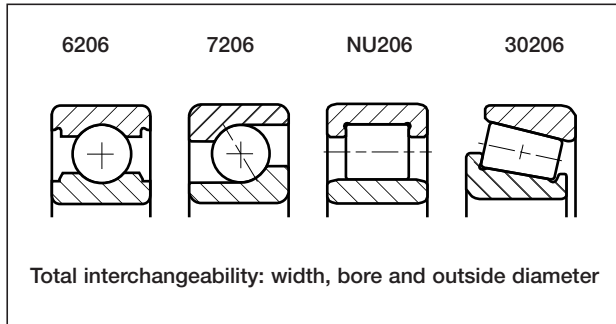
r = Corner radius

α = Contact angle

2.2 Examples of dimensional interchangeability

When designing a component, several types of bearings can be used in the dedicated space. Some examples of dimensional interchangeability are given hereafter.

CAUTION: To select the correct bearing, it is also necessary to ensure its **functional interchangeability** (speed, load, etc.).



Note: Special bearings whose dimensions are not standardized are designated by symbols which are specific to SNR ROULEMENTS.

2.3 ISO Standards

These standards are established by the International Standard Organization (ISO) whose mission is to develop and coordinate standards to facilitate the trade of products and services throughout the world. The ISO encompasses the national standard Committees of 89 countries (AFNOR-France, DIN-Germany, UNI-Italy, BS-Great Britain, ANSI-United States of America, etc.).

2.4 List of existing ISO standards

Characteristics	ISO standards
Vocabulary	ISO 5593
Dimensions	
Ball and roller bearings (except tapered roller and thrust bearings)	ISO 15
Tapered roller bearings	ISO 355
Self-aligning mounted unit bearings	ISO 2264
Thrust bearings	ISO 104
Snap ring grooves	ISO 464
Snap rings	ISO 464
Eccentric locking collars	ISO 3145
Tapered sleeves	ISO 113/1
Nuts and lockwashers	ISO 2982
Pillow blocks	ISO 113/2
Self-aligning mounted units	ISO 3228
Corner radii	ISO 582
Precisions	
Definitions	ISO 1132
All types of bearings	ISO 492
Thrust bearings	ISO 199
Clearance	
Radial internal clearance	ISO 5753
Load ratings	
Basic dynamic load rating and bearing life	ISO 281
Basic static load rating	ISO 76

B The bearing

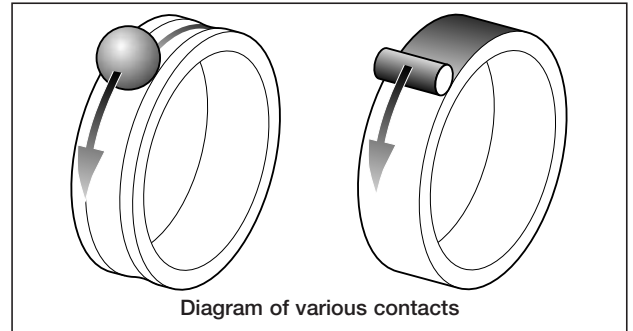
1 Different types and capabilities of bearings

1.1 Types of bearings

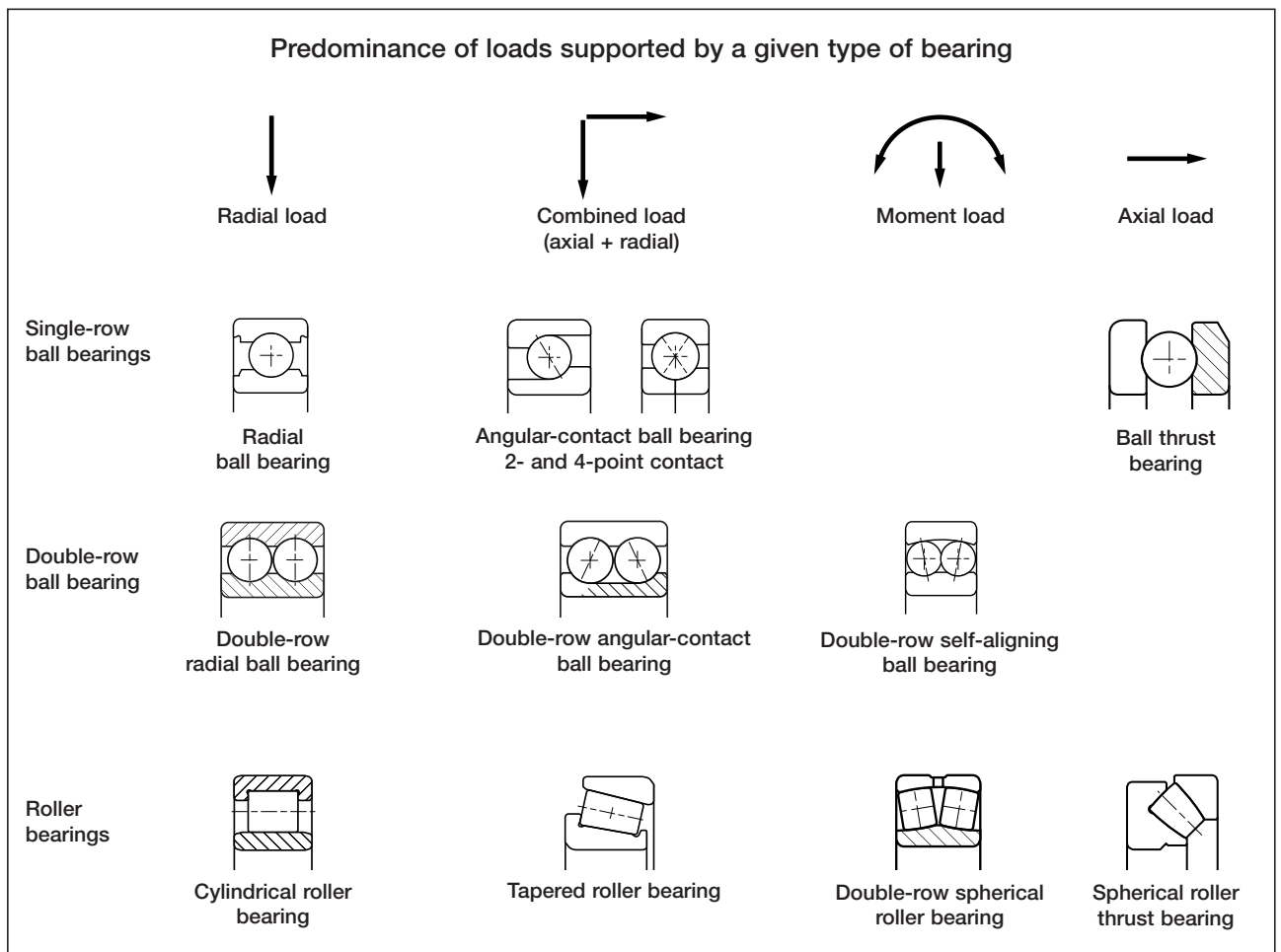
The type of rolling element used allows classification of bearings into two major groups:

- the ball bearing (where theoretically there is a point contact between the balls and the raceway)
- the roller bearing (where theoretically there is a line contact between the rollers and the raceway).

Under a given load, the contact pressure between the rolling elements and the raceway is distributed along a line in the case of rollers. In the case of balls, the contact pressure is limited to a single point. This is the reason why, with the same overall dimensions, roller bearings will support heavier loads and lower speeds than ball bearings.



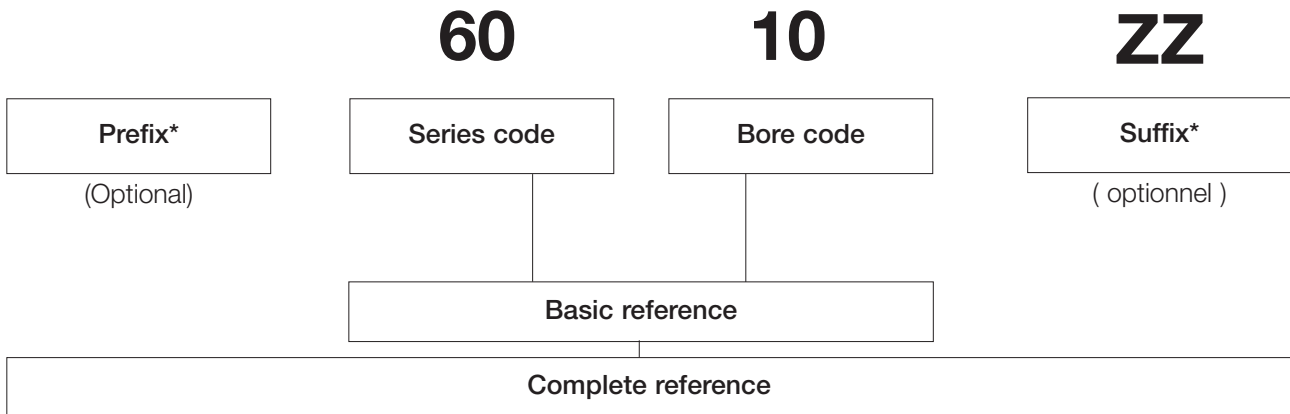
1.2 Predominant loads and bearings groups



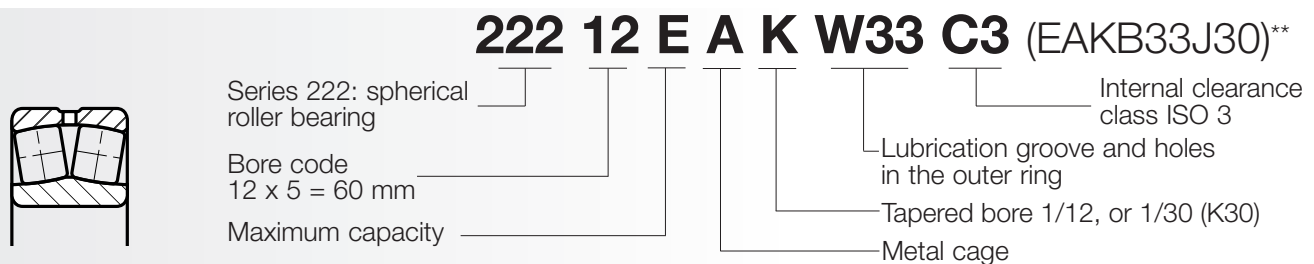
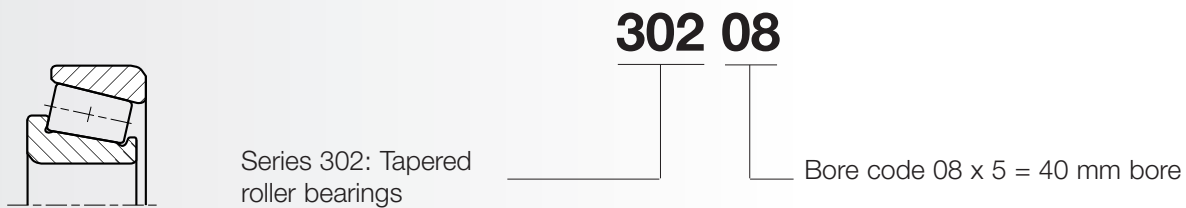
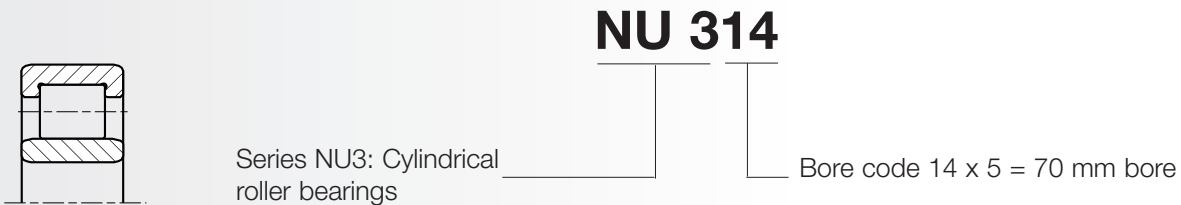
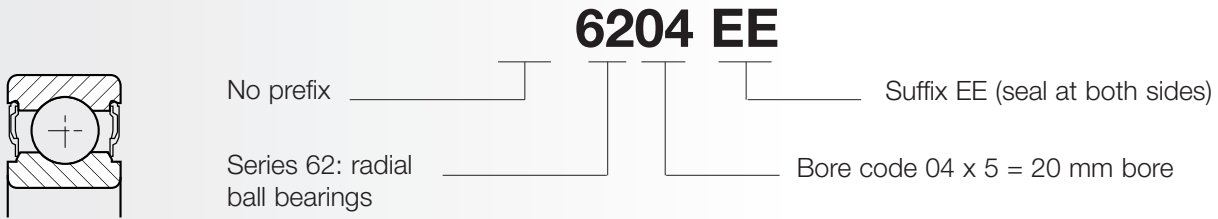
In these subgroups, certain types of bearings have complementary capabilities. For instance, the single-row ball bearing mainly supports radial load but it can also support moderate axial loads.

1.3 General bearing designation

The reference of each bearing contains the following items:



Examples:













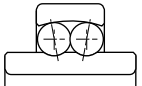
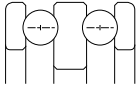

* SNR ROULEMENTS prefixes and suffixes: page Nr 64.

* Prefixes and suffixes used by other manufacturers with SNR ROULEMENTS equivalents: page Nr 68.

For further information on the standardized naming of bearings, refer to standards ISO 15 - ISO 104 - ISO 355.

** Old reference

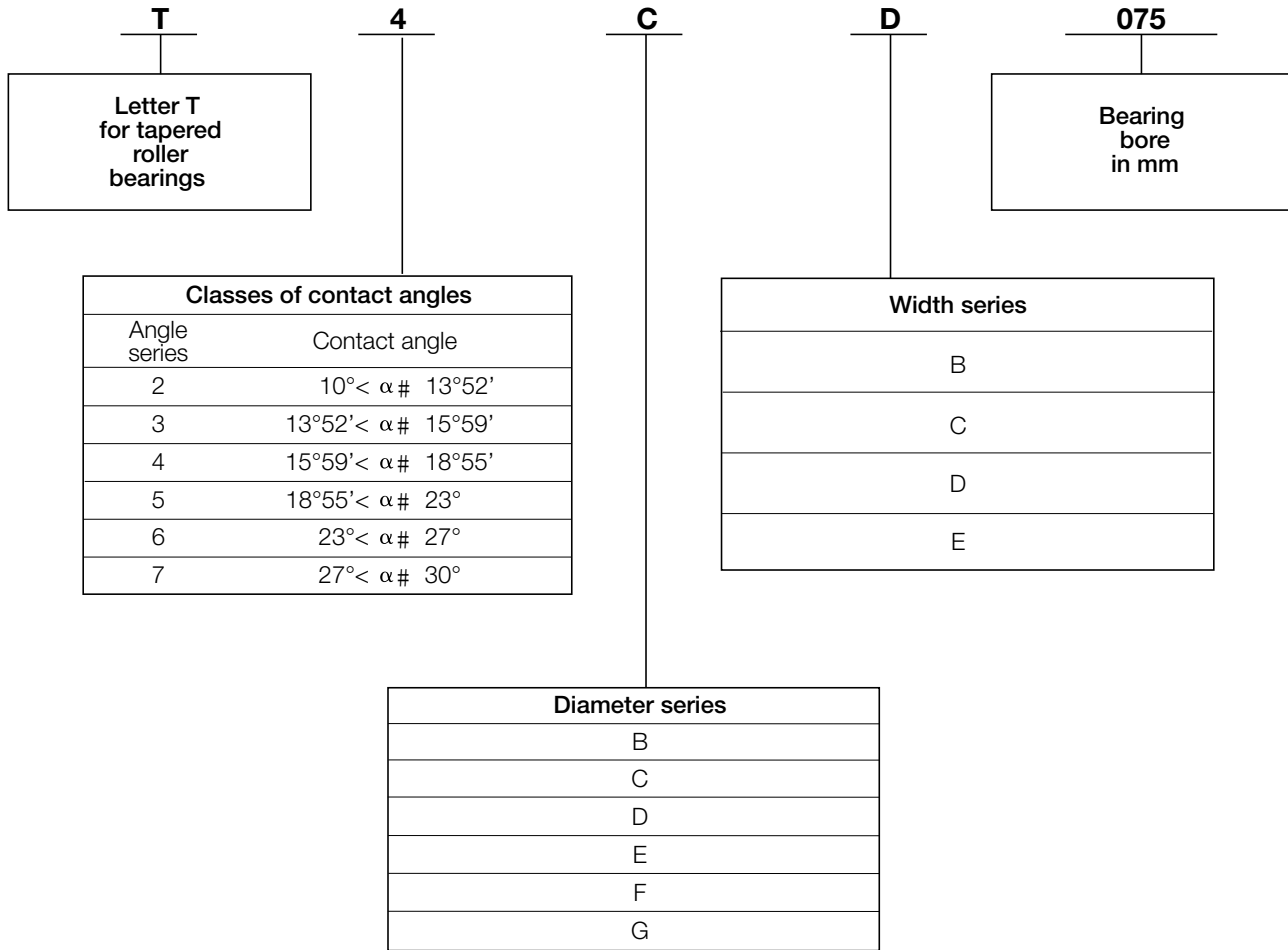
6010

Series code		Bore code					
Series code	Type of bearing	Series code	Type of bearing	Bore code	Bore diameter (mm)		
Radial ball bearings		Angular-contact ball bearings		3	3		
60	 Single row	72	 Single row	/4	4		
62		73		4	4		
63		 With filling notch	718	 4-point contact	5	5	
64			728		6	6	
160			QJ2		/6	6	
618			 Double row	QJ3	 Double row	7	7
619				32		/7	7
622				33		/8	8
623				52		 Double row ZZ or EE	8
630			53	9	9		
2	Tapered roller bearings		00	10			
3	302	303	01	12			
 Tapered roller bearings	313	320	02	15			
	322	322B	03	17			
	323	323	/22	22			
	323B	323B	/28	28			
	330	330	/32	32			
	331	331	04	04x5 = 20			
	332	332	05	05x5 = 25			
	Cylindrical roller bearings		06	06x5 = 30			
	N..2	N..2	07	07x5 = 35			
	N..3	N..3	08	08x5 = 40			
N..4	 Cylindrical roller bearings	09	...				
N..10		10	...				
N..22		Self-aligning ball bearings					
N..23	12	13	 Self-aligning ball bearings				
 Extended inner ring	22	23	 Spherical roller thrust bearings				
	112	113	293	 Spherical roller thrust bearings			
			294				

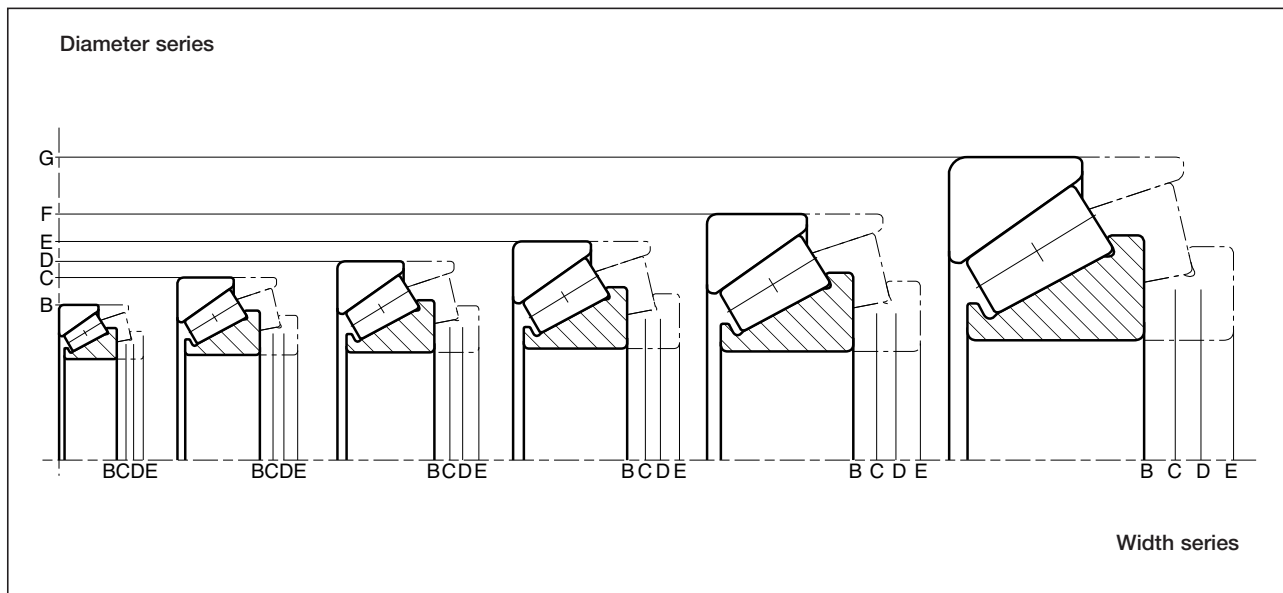
1.4 Tapered roller bearing designation

The standard ISO 355 specifies the dimension series applicable to tapered roller bearings.

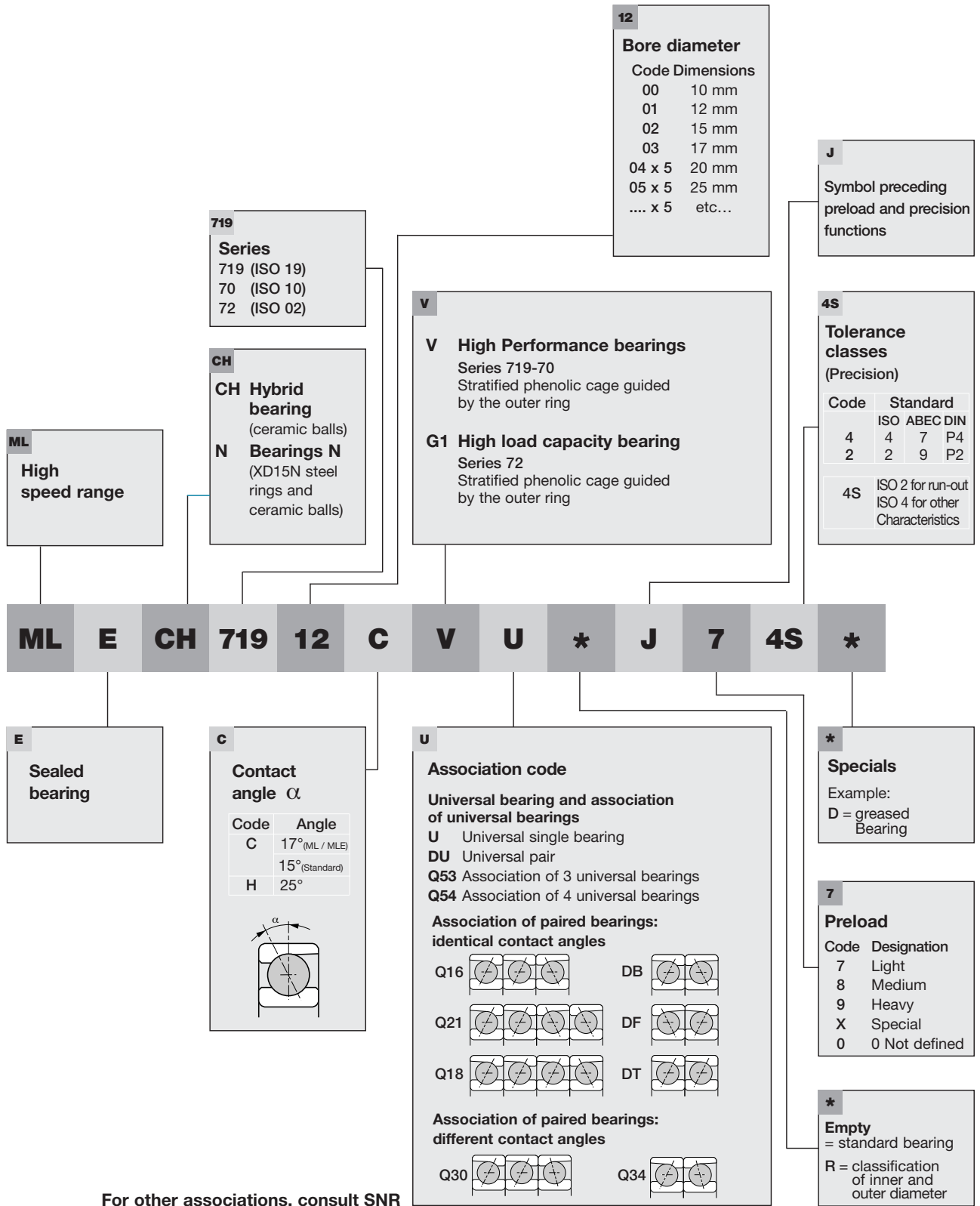
The former designation is still used in this catalogue.



Width and diameter series



1.5 High-precision bearing designation



1.6 General capabilities of bearing types

(1) Types NJ and NUP can support light axial loads.

Types	Series	Cross-section	Load capability			Limiting speed of rotation (rpm) (grease lubrication)			Permissible misalignment between shaft and housing			
			radial loads			axial loads (1)						
			low	medium	high	low	medium	high				
Single row radial ball bearing	2-3 60-62-63 64-160-618 619-622-623 630		■	■		■	■		■	■	■	
Double-row radial ball bearing	42 43		■	■		■	■		■	■		
Angular-contact ball bearing	72-73 718-728		■	■		■	■		■	■		
4-point angular contact ball bearing	QJ 2 QJ 3		■	■		■	■		■	■		
Double-row angular-contact ball bearing	32-33 52-53		■	■		■	■		■	■		
TWINLINE angular-contact ball bearing	Special		■	■		■	■		■	■		
Double-row self-aligning ball bearing	12-13 22-23 112-113		■	■		■	■		■	■		●
Cylindrical roller bearing	N..2-N..3-N..4 N..10 N..22-N..23		■	■		■	■		■	■		
Tapered roller bearing	302-303-313 320-322-322B 323-323B 330-331-332		■	■		■	■		■	■		
TWINLINE tapered roller bearing	Special		■	■		■	■		■	■		
Double-row spherical roller bearing	213-222-223 230-231-232 239-240-241		■	■		■	■		■	■		●
Single-direction ball thrust bearing	511-512-513 514					■	■		■	■		
Double-direction ball thrust bearing	522-523 524					■	■		■	■		
Spherical roller thrust bearing	293 294		■			■	■		■	■		●



2 The cages

2.1 Their intended purpose

- They separate the rolling elements and keep them equally spaced.
- For tapered roller, cylindrical roller and self-aligning bearings, they keep the rolling elements assembled with one of the two rings.



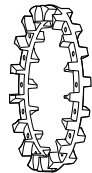

2.2 Main types and properties of cages

SNR ROULEMENTS has defined for each bearing a standard cage type (the main types of cages with corresponding properties are listed below).

- The standard cage defined by SNR has always proved satisfactory during service use and is considered as the best cage design for most applications.
- The standard cage used for large bearings may differ from that for small bearings within the same series, because of the different fields of application, manufacturing processes and costs.

When a cage type becomes a standard cage, it is no longer identified by a specific suffix in the SNR bearing designation. When the synthetic material cage is standard on an SNR bearing type, the designation of sealed or shielded versions fitted with a pressed steel cage is followed by the cage suffix A50.

When the SNR standard bearing is equipped with a synthetic material cage, it is identified by the designation G15.

	Molded cage	Pressed steel or brass cage	Machined brass cage	Machined phenolic resin cage
				
	That of the bearing	That of the bearing	Enables the limiting speed of the bearing to be increased	Usually centered on a ring, which enables the limiting speed of the bearing to be increased
Limiting speed				
Temperature	Polyamide 6/6: <ul style="list-style-type: none"> • 120°C (250°F) continuously • 150°C (300°F) short periods of time • For other materials, consult with SNR 	Does not restrict the bearing operating temperature	Does not restrict the bearing operating temperature	110°C (230°F) maxi continuously
Lubrication	<ul style="list-style-type: none"> • Low coefficient of friction • Good performance when lubrication is deficient 	Metal-to-metal contact (requires adequate lubrication)	Low brass-to-metal coefficient of friction	<ul style="list-style-type: none"> • Excellent coefficient of friction • Cage impregnated with oil: optimum bearing lubrication
Resistance to vibration	Excellent performance <ul style="list-style-type: none"> • Lightness • Elasticity 	Restricted by: <ul style="list-style-type: none"> • mechanical resistance • method of assembly • potential unbalance 	<ul style="list-style-type: none"> • Excellent resistance • Maintains centering despite the dynamic unbalance loads 	<ul style="list-style-type: none"> • Good performance with cage centered on a ring • Low inertia • Good dynamic balance
Sudden accelerations and decelerations	Excellent performance <ul style="list-style-type: none"> • Lightness • Elasticity 	Risk of cage failure	High mechanical resistance but: <ul style="list-style-type: none"> • lack of flexibility • high inertia 	Excellent performance because of: <ul style="list-style-type: none"> • Low inertia • Good mechanical resistance
Misalignment between shaft and housing	Excellent performance <ul style="list-style-type: none"> • Elasticity 	Risk of cage failure	Use not recommended	Use not recommended
Comments	<ul style="list-style-type: none"> • Cage replacing the steel cage for many types of bearing 		<ul style="list-style-type: none"> • High cost • Sensitive to electrolytic phenomenon in presence of moisture 	<ul style="list-style-type: none"> • High cost • Usually reserved for high-speed and/or high-precision bearings





3 Shields and seals

Shields and seals are generally used on single-row or double-row ball bearings. The shielded or sealed SNR bearings are pre-lubricated on delivery and cannot be regreased. Terminology:

Shield = device used to protect the bearing without friction against the inner ring.
 Seal = device used to protect the bearing with friction against the inner ring.

3.1 Guide for selecting the type of sealing

Shielded and sealed bearings of current manufacture.

Cross-sectional view	Material	Relative efficiency			In application Limiting speed of rotation of the bearing	Operating temperature		Special characteristics
		Moderate	Good	Excellent		Minimum	Maximum	
	Pressed mild steel	●			That of the open bearing	Does not restrict the operating temperature of the bearing		
	Black nitrile rubber		●		70% of the limiting speed of the open bearing	- 30°C (- 20°F)	+ 110°C (+ 230°F)	
	Red fluoro-elastomer		●		That of the open bearing	- 40°C (- 40°F)	>150°C (300°F) depending upon the grease	Excellent resistance to chemical agents
	Black nitrile rubber			●	Consult with SNR	- 30°C (- 20°F)	+ 110°C (+ 230°F)	Seal fully integrated into the bearing which is no longer a standard bearing



CAUTION: The shield or seal shall be selected so as to meet all the operating requirements of the bearing. It is thus necessary to correctly identify these requirements in order to select the adequate bearing.

4 Bearing precision and tolerances

The higher the precision, the closer the dimensional and functional tolerances. The precision classes specified in the standards are tabulated hereafter. In the SNR designation, the classes are indicated by a suffix which is added to the bearing reference.

Designation of tolerance classes (precision)					
Standard	ISO	AFNOR	ABEC	DIN	SNR
Normal tolerance	normal	normal	1	(P0)	(J.0)
Increasing precision ↓	6	6	3	P6	J.6
	5	5	5	P5	J.5
	4	4	7	P4	J.4
	2	2	9	P2	J.2

← Not indicated in the bearing designation

SNR production processes make it possible to achieve tolerance levels 6 or 5 (depending on characteristics) for a large number of current bearing sizes. SNR High-precision machine-tool bearings are conventionally manufactured in compliance with ISO precision tolerance 4. Bearings complying with ISO precision tolerance 2 can be supplied upon request.



5 Clearance and fit

5.1 Initial clearance

By design, a bearing has an internal **clearance**. The **radial** internal clearance is the total distance one ring can move in relation to the other in a radial direction, under no load. The radial internal clearance of an unmounted bearing is called "initial radial clearance".

Remark: Angular-contact bearings have no **initial clearance** by design.

Comparison of designations

In the SNR designation, the clearance is indicated by a suffix which is added to the bearing reference.

Category (ISO Standard 5753)	Designation (suffix)	
	SNR	Other
Normal clearance: category N	-	-
Reduced clearance: category 2	J 20	C 2
Increased clearance: categories 3, 4, 5	J 30	C 3
	J 40	C 4
	J 50	C 5

Initial radial clearance values

Radial ball bearings										
Series 2-3-60-62-63-64-160-618-619-622-623-630-42-43										
Bore diameter	Category 2		Category N		Category 3		Category 4		Category 5	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
d mm										
2,5<d≤6	0	7	2	13	8	23	-	-	-	-
6<d≤10	0	7	2	13	8	23	14	29	20	37
10<d≤18	0	9	3	18	11	25	18	33	25	45
18<d≤24	0	10	5	20	13	28	20	36	28	48
24<d≤30	1	11	5	20	13	28	23	41	30	53
30<d≤40	1	11	6	20	15	33	28	46	40	64
40<d≤50	1	11	6	23	18	36	30	51	45	73
50<d≤65	1	15	8	28	23	43	38	61	55	90
65<d≤80	1	15	10	30	25	51	46	71	65	105
80<d≤100	1	18	12	36	30	58	53	84	75	120
100<d≤120	2	20	15	41	36	66	61	97	90	140
120<d≤140	2	23	18	48	41	81	71	114	105	160
140<d≤160	2	23	18	53	46	91	81	130	120	180
160<d≤180	2	25	20	61	53	102	91	147	135	200
180<d≤200	2	30	25	71	63	117	107	163	150	230
200<d≤225	2	35	25	85	75	140	125	195	175	265
225<d≤250	2	40	30	95	85	160	145	225	205	300
250<d≤280	2	45	35	105	90	170	155	245	225	340
280<d≤315	2	55	40	115	100	190	175	270	245	370
315<d≤355	3	60	45	125	110	210	195	300	275	410
355<d≤400	3	70	55	145	130	240	225	340	315	460
400<d≤450	3	80	60	170	150	270	250	380	350	510
450<d≤500	3	90	70	190	170	300	280	420	390	570
500<d≤560	10	100	80	210	190	330	310	470	440	630
560<d≤630	10	110	90	230	210	360	340	520	490	690
630<d≤710	20	130	110	260	240	400	380	570	540	760
710<d≤800	20	140	120	290	270	450	430	630	600	840

Cylindrical roller bearings										
Series N..2-N..3-N..4-N..10-N..22-N..23										
Bore diameter	Category 2		Category N		Category 3		Category 4		Category 5	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
d mm										
<10	0	25	20	45	35	60	50	75	-	-
10<d≤24	0	25	20	45	35	60	50	75	65	90
24<d≤30	0	25	20	45	35	60	50	75	70	95
30<d≤40	5	30	25	50	45	70	60	85	80	105
40<d≤50	5	35	30	60	50	80	70	100	95	125
50<d≤65	10	40	40	70	60	90	80	110	110	140
65<d≤80	10	45	40	75	65	100	90	125	130	165
80<d≤100	15	50	50	85	75	110	105	140	155	190
100<d≤120	15	55	50	90	85	125	125	165	180	220
120<d≤140	15	60	60	105	100	145	145	190	200	245
140<d≤160	20	70	70	120	115	165	165	215	225	275
160<d≤180	25	75	75	125	120	170	170	220	250	300
180<d≤200	35	90	90	145	140	195	195	250	275	330
200<d≤225	45	105	105	165	160	220	220	280	305	365
225<d≤250	45	110	110	175	170	235	235	300	330	395
250<d≤280	55	125	125	195	190	260	260	330	370	440
280<d≤315	55	130	130	205	200	275	275	350	410	485
315<d≤355	65	145	145	225	225	305	305	385	455	535
355<d≤400	100	190	190	280	280	370	370	460	510	600
400<d≤450	110	210	210	310	310	410	410	510	565	665
450<d≤500	110	220	220	330	330	440	440	550	625	735

Spherical roller bearings with cylindrical bore

Series 213-222-223-230-231-232-239-240-241



Bore diameter	Category 2		Category N		Category 3		Category 4		Category 5	
	d mm	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	
14<d≤18	10	20	20	35	35	45	45	60	60	75
18<d≤24	10	20	20	35	35	45	45	60	60	75
24<d≤30	15	25	25	40	40	55	55	75	75	95
30<d≤40	15	30	30	45	45	60	60	80	80	100
40<d≤50	20	35	35	55	55	75	75	100	100	125
50<d≤65	20	40	40	65	65	90	90	120	120	150
65<d≤80	30	50	50	80	80	110	110	145	145	180
80<d≤100	35	60	60	100	100	135	135	180	180	225
100<d≤120	40	75	75	120	120	160	160	210	210	260
120<d≤140	50	95	95	145	145	190	190	240	240	300
140<d≤160	60	110	110	170	170	220	220	280	280	350
160<d≤180	65	120	120	180	180	240	240	310	310	390
180<d≤200	70	130	130	200	200	260	260	340	340	430
200<d≤225	80	140	140	220	220	290	290	380	380	470
225<d≤250	90	150	150	240	240	320	320	420	420	520
250<d≤280	100	170	170	260	260	350	350	460	460	570
280<d≤315	110	190	190	280	280	370	370	500	500	630
315<d≤355	120	200	200	310	310	410	410	550	550	690
355<d≤400	130	220	220	340	340	450	450	600	600	750
400<d≤450	140	240	240	370	370	500	500	660	660	820
450<d≤500	140	260	260	410	410	550	550	720	720	900
500<d≤560	150	280	280	440	440	600	600	780	780	1000
560<d≤630	170	310	310	480	480	650	650	850	850	1100
630<d≤710	190	350	350	530	530	700	700	920	920	1190

Spherical roller bearings with tapered bore

Séries 213K-222K-223K-230K-231K-232K-239K-240K-241K



Bore diameter	Category 2		Category N		Category 3		Category 4		Category 5	
	d mm	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	
18<d≤24	15	25	25	35	35	45	45	60	60	75
24<d≤30	20	30	30	40	40	55	55	75	75	95
30<d≤40	25	35	35	50	50	65	65	85	85	105
40<d≤50	30	45	45	60	60	80	80	100	100	130
50<d≤65	40	55	55	75	75	95	95	120	120	160
65<d≤80	50	70	70	95	95	120	120	150	150	200
80<d≤100	55	80	80	110	110	140	140	180	180	230
100<d≤120	65	100	100	135	135	170	170	220	220	280
120<d≤140	80	120	120	160	160	200	200	260	260	330
140<d≤160	90	130	130	180	180	230	230	300	300	380
160<d≤180	100	140	140	200	200	260	260	340	340	430
180<d≤200	110	160	160	220	220	290	290	370	370	470
200<d≤225	120	180	180	250	250	320	320	410	410	520
225<d≤250	140	200	200	270	270	350	350	450	450	570
250<d≤280	150	220	220	300	300	390	390	490	490	620
280<d≤315	170	240	240	330	330	430	430	540	540	680
315<d≤355	190	270	270	360	360	470	470	590	590	740
355<d≤400	210	300	300	400	400	520	520	650	650	820
400<d≤450	230	330	330	440	440	570	570	720	720	910
450<d≤500	260	370	370	490	490	630	630	790	790	1000
500<d≤560	290	410	410	540	540	680	680	870	870	1100
560<d≤630	320	460	460	600	600	760	760	980	980	1230
630<d≤710	350	510	510	670	670	850	850	1090	1090	1360



Self-aligning ball bearings with cylindrical bore

Series 12-13-22-23-112-113



Bore diameter	Category 2		Category N		Category 3		Category 4		Category 5	
	d mm	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	
2,5<d≤6	1	8	5	15	10	20	15	25	21	33
6<d≤10	2	9	6	17	12	25	19	33	27	42
10<d≤18	2	10	6	19	13	26	21	35	30	48
14<d≤18	3	12	8	21	15	28	23	37	32	50
18<d≤24	4	14	10	23	17	30	25	39	34	52
24<d≤30	5	16	11	24	19	35	29	46	40	58
30<d≤40	6	18	13	29	23	40	34	53	46	66
40<d≤50	6	19	14	31	25	44	37	57	50	71
50<d≤65	7	21	16	36	30	50	45	69	62	88
65<d≤80	8	24	18	40	35	60	54	83	76	108
80<d≤100	9	27	22	48	42	70	64	96	89	124
100<d≤120	10	31	25	56	50	83	75	114	105	145
120<d≤140	10	38	30	68	60	100	90	135	125	175
140<d≤160	15	44	35	80	70	120	110	161	150	210

Self-aligning ball bearings with tapered bore

Series 12K-13K-22K-23K-112K-113K

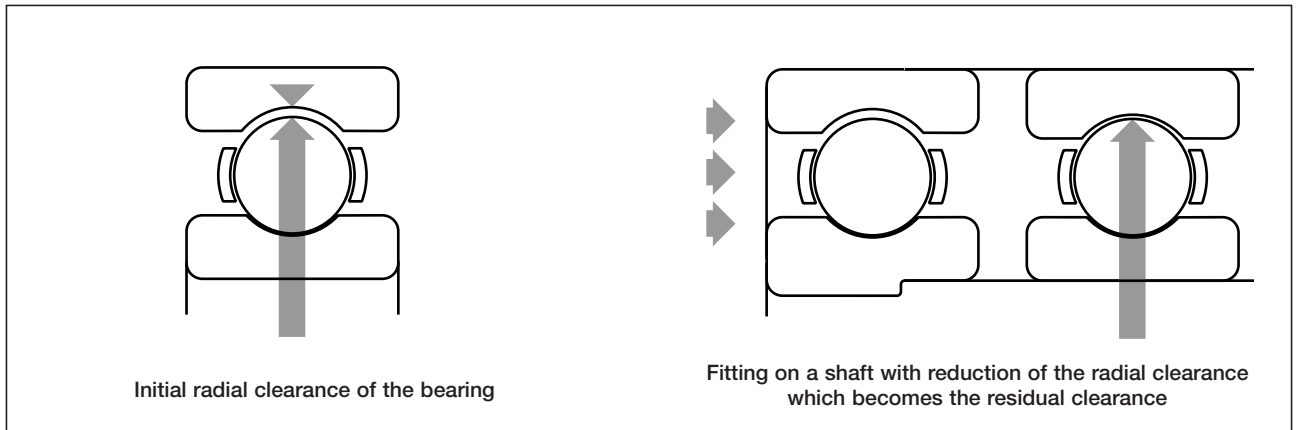


Bore diameter	Category 2		Category N		Category 3		Category 4		Category 5	
	d mm	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	min. max.	
18<d≤24	7	17	13	26	20	33	28	42	37	55
24<d≤30	9	20	15	28	23	39	33	50	44	62
30<d≤40	12	24	19	35	29	46	40	59	52	72
40<d≤50	14	27	22	39	33	52	45	65	58	79
50<d≤65	18	32	27	47	41	61	56	80	73	99
65<d≤80	23	39	35	57	50	75	69	98	91	123
80<d≤100	29	47	42	68	62	90	84	116	109	144
100<d≤120	35	56	50	81	75	108	100	139	130	170
120<d≤140	40	68	60	98	90	130	120	165	155	205
140<d≤160	45	74	65	110	100	150	140	191	180	240

5.2 Residual clearance after fitting

Effect of interference fits

When two components are assembled with an interference fit, a change in the diameter of each part takes place (after fitting). As bearing ring section is relatively thin compared with shaft and housing, an expansion of the diameter of the inner ring or a reduction of the diameter of the outer ring will occur. The initial clearance is reduced and is termed “residual clearance”.

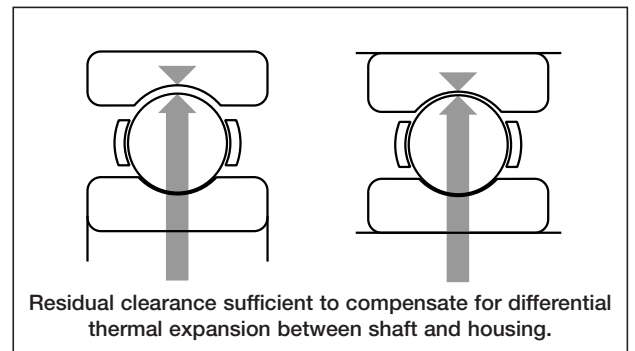


5.3 Operating clearance

Definition

In a moving mechanical system, it is necessary to maintain a clearance to permit free rotation: the operating clearance. This clearance shall make allowance for dimensional changes and temperature variations.

Remark: Angular-contact bearings can operate without clearance (7000, etc., tapered roller bearings).



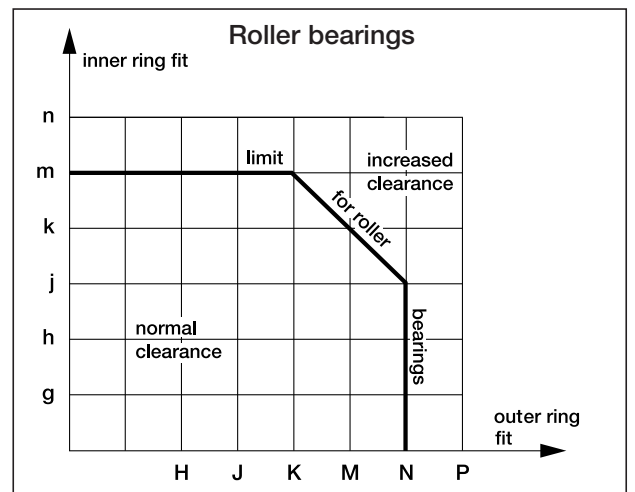
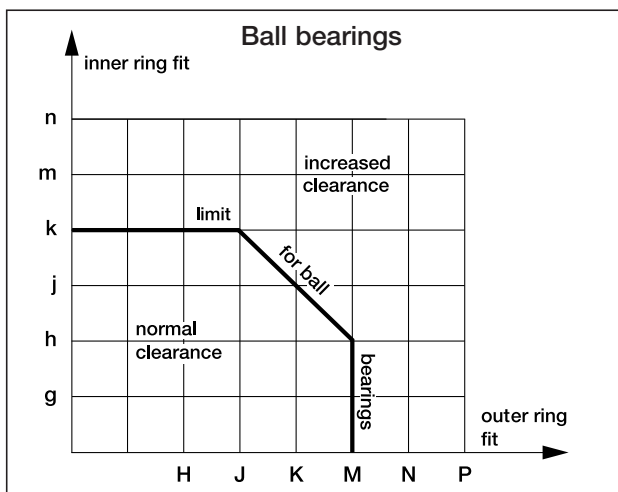
5.4 Necessity for using increased internal clearance

The magnitude of internal clearance of a bearing depends upon shaft and housing fits.

Depending on the application, it may be necessary to select a bearing with an increased clearance to compensate for expansions and/or contractions resulting from fitting and operating conditions.

To make this selection easier, the following graphs display the limiting shaft and housing fits beyond which an increased internal clearance is generally required.

In this case, consult with your SNR representative to determine the adequate clearance category.



C Fitting the bearings

1 Bearing radial retention rules and fit requirements

1.1 Definition

Upon fitting, the bearing rings shall become integral parts of the shaft and housing. These mating surfaces are termed “seats”.

The retention method selected shall prevent any relative movement of the rings under radial and axial loads. To that aim, it is necessary to adapt the seating fits to the bearing fits.

General rule:

A tight fit shall be used for the ring that rotates in relation to the direction of the load. The other ring, called the stationary ring, can remain loose fitted.



1.2 Radial retention rules and recommended fits

Bearing tight fit retention rules		Recommended fits			
Type of rotation	Type of retention	Shafts		Housings	
Direction of the load fixed in relation to outer ring Stationary housing and load Rotating shaft Rotating housing and load Stationary shaft	Inner ring tight fitted on the shaft 	Normal loads $\frac{C}{P} > 5$	j6 / k6 <ul style="list-style-type: none"> • Electric motors • Machine-tool spindles • Pumps • Fans • Speed reducers 	General case H7 / J7	<ul style="list-style-type: none"> • Medium-size electric motors • Pulleys • Machine-tool spindles • Power transmission systems
		Heavy loads $\frac{C}{P} < 5$	m6 / p6 <ul style="list-style-type: none"> • Traction motors • Large gear reducers • Large compressors 	Ring loose fitted in its seat G7 / H7	<ul style="list-style-type: none"> • Axial displacement required (expansion or adjustment)
Direction of the load fixed in relation to inner ring Stationary shaft and load Rotating housing Rotating shaft and load Stationary housing	Outer ring tight fitted in the housing 	General case $\frac{C}{P} > 5$	g6 / h6 <ul style="list-style-type: none"> • Idler pulleys • Tensioners • Wheels 	Normal loads M7 / N7	<ul style="list-style-type: none"> • Idler pulleys • Tensioners • Wheels
		Ring loose fitted on its seat $\frac{C}{P} < 5$	f6 / g6 <ul style="list-style-type: none"> • Axial displacement required (expansion, adjustment) 	Very heavy loads Heavy loads with impact N7 / P7	<ul style="list-style-type: none"> • Railway equipment • Large roller bearings
Other cases:		Axial loads only Adapter sleeves	h6 / j6 h9	<ul style="list-style-type: none"> • Bearings and thrust bearings • Power transmission for agricultural equipment 	Axial loads only G7 / H7 <ul style="list-style-type: none"> • Bearings • Thrust bearings

2 Standardized bearing fits (Normal Class)

The following fit tables are applicable to all bearings, except to tapered roller bearings with bore diameter ≤ 30 mm or outside diameter ≤ 150 mm, and also to "insert" bearings for self-aligning mounted units.

Values of standard bearing fits on shafts

SHAFT																			
Nominal shaft diameter mm	Bearing bore tolerance μm	Fits μm		f5		f6		g5		g6		h5		h6		j5		j6	
		Diameter difference	Average Probable																
3 <d<= 6	-8 0	Shaft tolerance μm		-15	-10	-18	-10	-9	-4	-12	-4	-5	0	-8	0	-1	+4	-1	+7
		Diameter difference	Average Probable	+8.5	+4	+10	+4.5	-2.5	-2	+4	-1.5	+3	-6	0	+5.5	-5.5	-1	-5	-10
6 <d<= 10	-8 0	Shaft tolerance μm		-19	-13	-22	-13	-11	-5	-14	-5	-6	0	-9	0	-2	+4	-2	+7
		Diameter difference	Average Probable	+12	+7	+13.5	+7.5	+4	-1	+5.5	-0.5	+4	-6	+0.5	+6.5	-5.5	0	-5	-10
10 <d<= 18	-8 0	Shaft tolerance μm		-24	-16	-27	-16	-14	-6	-17	-6	-8	0	-11	0	-3	+5	-3	+8
		Diameter difference	Average Probable	+16	+10.5	+17.5	+10.5	+6	+0.5	+7.5	0	+5.5	-5.5	0	+8.5	+5.5	+0.5	-10.5	+0.5
18 <d<= 30	-10 0	Shaft tolerance μm		-29	-20	-33	-20	-16	-7	-20	-7	-9	0	-13	0	-4	+5	-4	+9
		Diameter difference	Average Probable	+19.5	+13	+21.5	+13	+6.5	0	+8.5	-0.5	+6	-7	+10	-7	+1	-12	+1	-16
30 <d<= 50	-12 0	Shaft tolerance μm		-36	-25	-41	-25	-20	-9	-25	-9	-11	0	-16	0	-5	+6	-5	+11
		Diameter difference	Average Probable	+24.5	+16.5	+37	+17	+16.5	+0.5	+21	+1	+7.5	-8.5	+12	-8	+1.5	-14.5	+1	-19
50 <d<= 65	-15 0	Shaft tolerance μm		-43	-30	-49	-30	-23	-10	-29	-10	-13	0	-19	0	-7	+6	-7	+12
		Diameter difference	Average Probable	+29	+19	+44	+20	+19	-1	+24	0	+9	-11	+14	-10	+3	-17	+2	-22
65 <d<= 80	-15 0	Shaft tolerance μm		-43	-30	-49	-30	-23	-10	-29	-10	-13	0	-19	0	-7	+6	-7	+12
		Diameter difference	Average Probable	+29	+19	+44	+20	+19	-1	+24	0	+9	-11	+14	-10	+3	-17	+2	-22
80 <d<= 100	-20 0	Shaft tolerance μm		-51	-36	-58	-36	-27	-12	-34	-12	-15	0	-22	0	-9	+6	-9	+13
		Diameter difference	Average Probable	+33.5	+21	+52	+22	+22	-3	+28	-2	+10	-15	+16	-14	+4	-21	+3	-27
100 <d<= 120	-20 0	Shaft tolerance μm		-51	-36	-58	-36	-27	-12	-34	-12	-15	0	-22	0	-9	+6	-9	+13
		Diameter difference	Average Probable	+33.5	+21	+52	+22	+22	-3	+28	-2	+10	-15	+16	-14	+4	-21	+3	-27
120 <d<= 140	-25 0	Shaft tolerance μm		-61	-43	-68	-43	-32	-14	-39	-14	-18	0	-25	0	-11	+7	-11	+14
		Diameter difference	Average Probable	+39.5	+24	+60.5	+25.5	+26	-5	+31.5	-3.5	+12	-19	+17.5	-17.5	+5	-26	+3.5	-21.5
140 <d<= 160	-25 0	Shaft tolerance μm		-61	-43	-68	-43	-32	-14	-39	-14	-18	0	-25	0	-11	+7	-11	+14
		Diameter difference	Average Probable	+39.5	+24	+60.5	+25.5	+26	-5	+31.5	-3.5	+12	-19	+17.5	-17.5	+5	-26	+3.5	-21.5

SHAFT																			
Nominal shaft diameter mm	Bearing bore tolerance μm	Fits μm		f5		f6		g5		g6		h5		h6		j5		j6	
		Diameter difference	Average Probable																
160 <d<= 180	-25 0	Shaft tolerance μm		-61	-43	-68	-43	-32	-14	-39	-14	-18	0	-25	0	-11	+7	-11	+14
		Diameter difference	Average Probable	+39.5	+24	+60.5	+25.5	+26	-5	+31.5	-3.5	+12	-19	+17.5	-17.5	+5	-26	+3.5	-21.5
180 <d<= 200	-30 0	Shaft tolerance μm		-70	-50	-79	-50	-35	-15	-44	-15	-20	0	-29	0	-13	+7	-13	+16
		Diameter difference	Average Probable	+45	+27	+70.5	+28.5	+28	-8	+35.5	-6.5	+13	-23	+20.5	-21.5	+6	-30	+4.5	-37.5
200 <d<= 225	-30 0	Shaft tolerance μm		-70	-50	-79	-50	-35	-15	-44	-15	-20	0	-29	0	-13	+7	-13	+16
		Diameter difference	Average Probable	+45	+27	+70.5	+28.5	+28	-8	+35.5	-6.5	+13	-23	+20.5	-21.5	+6	-30	+4.5	-37.5
225 <d<= 250	-30 0	Shaft tolerance μm		-70	-50	-79	-50	-35	-15	-44	-15	-20	0	-29	0	-13	+7	-13	+16
		Diameter difference	Average Probable	+45	+27	+70.5	+28.5	+28	-8	+35.5	-6.5	+13	-23	+20.5	-21.5	+6	-30	+4.5	-37.5
250 <d<= 280	-35 0	Shaft tolerance μm		-79	-56	-88	-56	-40	-17	-49	-17	-23	0	-32	0	-16	+7	-16	+16
		Diameter difference	Average Probable	+50	+29	+78	+31	+32	-10	+39	-8	+15	-27	+22	-25	+8	-34	+6	-41
280 <d<= 315	-35 0	Shaft tolerance μm		-79	-56	-88	-56	-40	-17	-49	-17	-23	0	-32	0	-16	+7	-16	+16
		Diameter difference	Average Probable	+50	+29	+78	+31	+32	-10	+39	-8	+15	-27	+22	-25	+8	-34	+6	-41
315 <d<= 400	-40 0	Shaft tolerance μm		-87	-62	-98	-62	-43	-18	-54	-18	-25	0	-36	0	-18	+7	-18	+18
		Diameter difference	Average Probable	+57	+35	+88	+37	+35	-9	+44	-7	+17	-27	+26	-25	+10	-34	+8	-43
400 <d<= 500	-45 0	Shaft tolerance μm		-95	-68	-108	-68	-47	-20	-60	-20	-27	0	-40	0	-20	+7	-20	+20
		Diameter difference	Average Probable	+64	+42	+108	+44	+38	-6	+49	-4	+18	-26	+29	-24	+11	-33	+9	-44
500 <d<= 630	-50 0	Shaft tolerance μm				-120	-76			-66	-22	-32	0	-44	0				
		Diameter difference	Average Probable			+80.5				+26.5	-1.5			+4.5					
630 <d<= 800	-75 0	Shaft tolerance μm				-130	-80			-74	-24	-36	0	-50	0				
		Diameter difference	Average Probable			+87.5				+31.5	+0.5			+7.5					

1. A negative value denotes an interference fit and a positive value a loose fit (clearance fit)
2. The probable fit values are calculated on the assumption that the statistical distribution of the dimensions within the tolerances follows a "normal" law (gaussian distribution law)
3. Bearing tolerances and fits : values in microns (μm)
4. ▼ Most usual fits

Values of standard bearing fits on shafts

SHAFT		Fits μm		k5	k6	m5	m6	n5	n6	p5	p6
3 <d<= 6	-8 0	Shaft tolerance μm		+1 +6	+1 +9	+4 +9	+4 +12	+8 +13	+8 +16	+12 +17	+12 +20
		Diameter difference	Average Probable	-7.5 -3	-9 -3.5	-10.5 -6	-12 -6.5	-14.5 -10	-16 -10.5	-17.5 -14	-20 -14.5
6 <d<= 10	-8 0	Shaft tolerance μm		+1 +7	+1 +10	+8 +12	+6 +15	+10 +16	+10 +19	+15 +21	+15 +24
		Diameter difference	Average Probable	-8 -3	-9.5 -3.5	-13 -8	-14.5 -8.5	-17 -12	-18.5 -12.5	-22 -17	-23.5 -17.5
10 <d<= 18	-8 0	Shaft tolerance μm		+1 +9	+1 +12	+7 +15	+7 +18	+12 +20	+12 +23	+18 +26	+18 +29
		Diameter difference	Average Probable	-9 -3.5	-10.5 -3.5	-15 -9.5	-16.5 -9.5	-20 -14.5	-21.5 -14.5	-26 -20.5	-27.5 -20.5
18 <d<= 30	-10 0	Shaft tolerance μm		+2 +11	+2 +15	+8 +17	+8 +21	+15 +24	+15 +28	+22 +31	+22 +35
		Diameter difference	Average Probable	-11.5 -5	-13.5 -5	-17.5 -11	-19.5 -11	-24.5 -18	-26.5 -18	-31.5 -25	-33.5 -25
30 <d<= 50	-12 0	Shaft tolerance μm		+2 +13	+2 +18	+9 +20	+9 +25	+17 +28	+17 +33	+26 +37	+26 +42
		Diameter difference	Average Probable	-13.5 -5.5	-16 -6	-20.5 -12.5	-23 -13	-28.5 -20.5	-31 -20.5	-37.5 -29.5	-40 -30
50 <d<= 65	-15 0	Shaft tolerance μm		+2 +15	+2 +21	+11 +24	+11 +30	+20 +33	+20 +39	+32 +45	+32 +51
		Diameter difference	Average Probable	-16 -6	-19 -7	-25 -15	-28 -16	-34 -24	-37 -25	-46 -36	-49 -37
65 <d<= 80	-15 0	Shaft tolerance μm		+2 +15	+2 +21	+11 +24	+11 +30	+20 +33	+20 +39	+32 +45	+32 +51
		Diameter difference	Average Probable	-16 -6	-19 -7	-25 -15	-28 -16	-34 -24	-37 -25	-46 -36	-49 -37
80 <d<= 100	-20 0	Shaft tolerance μm		+3 +18	+3 +25	+13 +28	+13 +35	+23 +38	+23 +45	+37 +52	+37 +59
		Diameter difference	Average Probable	-20.5 -8	-24 -9	-30.5 -18	-34 -19	-40.5 -28	-44 -29	-54.5 -42	-58 -43
100 <d<= 120	-20 0	Shaft tolerance μm		+3 +18	+3 +25	+13 +28	+13 +35	+23 +38	+23 +45	+37 +52	+37 +59
		Diameter difference	Average Probable	-20.5 -8	-24 -9	-30.5 -18	-34 -19	-40.5 -28	-44 -29	-54.5 -42	-58 -43
120 <d<= 140	-25 0	Shaft tolerance μm		+3 +21	+3 +28	+15 +33	+15 +40	+27 +45	+27 +52	+43 +61	+43 +68
		Diameter difference	Average Probable	-24.5 -9	-28 -10.5	-36.5 -21	-40 -22.5	-48.5 -33	-52 -34.5	-64.5 -49	-68 -50.5
140 <d<= 160	-25 0	Shaft tolerance μm		+3 +21	+3 +28	+15 +33	+15 +40	+27 +45	+27 +52	+43 +61	+43 +68
		Diameter difference	Average Probable	-24.5 -9	-28 -10.5	-36.5 -21	-40 -22.5	-48.5 -33	-52 -34.5	-64.5 -49	-68 -50.5



SHAFT		Fits μm		k5	k6	m5	m6	n5	n6	p5	p6
160 <d<= 180	-25 0	Shaft tolerance μm		+3 +21	+3 +28	+15 +33	+15 +40	+27 +45	+27 +52	+43 +61	+43 +68
		Diameter difference	Average Probable	-24.5 -9	-28 -10.5	-36.5 -21	-40 -22.5	-48.5 -33	-52 -34.5	-64.5 -49	-68 -50.5
180 <d<= 200	-30 0	Shaft tolerance μm		+4 +24	+4 +33	+17 +37	+17 +46	+31 +51	+31 +60	+50 +70	+50 +79
		Diameter difference	Average Probable	-29 -11	-33.5 -12.5	-42 -24	-46.5 -25.5	-56 -38	-60.5 -39.5	-75 -57	-79.5 -58.5
200 <d<= 225	-30 0	Shaft tolerance μm		+4 +24	+4 +33	+17 +37	+17 +46	+31 +51	+31 +60	+50 +70	+50 +79
		Diameter difference	Average Probable	-29 -11	-33.5 -12.5	-42 -24	-46.5 -25.5	-56 -38	-60.5 -39.5	-75 -57	-79.5 -58.5
225 <d<= 250	-30 0	Shaft tolerance μm		+4 +24	+4 +33	+17 +37	+17 +46	+31 +51	+31 +60	+50 +70	+50 +79
		Diameter difference	Average Probable	-29 -11	-33.5 -12.5	-42 -24	-46.5 -25.5	-56 -38	-60.5 -39.5	-75 -57	-79.5 -58.5
250 <d<= 280	-35 0	Shaft tolerance μm		+4 +27	+4 +36	+20 +43	+20 +52	+34 +57	+34 +66	+56 +79	+56 +88
		Diameter difference	Average Probable	-33 -12	-37.5 -14	-49 -28	-53.5 -30	-63 -42	-67.5 -44	-85 -64	-89.5 -66
280 <d<= 315	-35 0	Shaft tolerance μm		+4 +27	+4 +36	+20 +43	+20 +52	+34 +57	+34 +66	+56 +79	+56 +88
		Diameter difference	Average Probable	-33 -12	-37.5 -14	-49 -28	-53.5 -30	-63 -42	-67.5 -44	-85 -64	-89.5 -66
315 <d<= 400	-40 0	Shaft tolerance μm		+4 +29	+4 +40	+21 +46	+21 +57	+37 +62	+37 +73	+62 +87	+62 +98
		Diameter difference	Average Probable	-34 -12	-39.5 -14	-51 -29	-56.5 -31	-67 -45	-72.5 -47	-92 -70	-97.5 -72
400 <d<= 500	-45 0	Shaft tolerance μm		+5 +32	+5 +45	+23 +50	+23 +63	+40 +67	+40 +80	+68 +95	+68 +108
		Diameter difference	Average Probable	-36 -14	-42.5 -16	-54 -32	-60.5 -34	-71 -49	-77.5 -51	-99 -77	-105.5 -79
500 <d<= 630	-50 0	Shaft tolerance μm			0 +44		+26 +70		+44 +88		+78 +122
		Diameter difference	Average Probable		-39.5 -11		-65.5 -37		-83.5 -55		-117.5 -89
630 <d<= 800	-75 0	Shaft tolerance μm			0 +50		+30 +80		+50 +100		+88 +138
		Diameter difference	Average Probable		-42.5 -12		-72.5 -42		-92.5 -62		-130.5 -100

1. A negative value denotes an interference fit and a positive value a loose fit (clearance fit)
 2. The probable fit values are calculated on the assumption that the statistical distribution of the dimensions within the tolerances follows a "normal" law (gaussian distribution law)
 3. Bearing tolerances and fits : values in microns (μm)
 4. ▼ Most usual fits

Values of standard bearing fits in housings

HOUSING																		
Nominal housing diameter mm	Bearing outside diameter tolerance μm	Fits μm	G6		G7		H6		H7		J6		J7		K6		K7	
			Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable
10 <D<= 18	-8 0	Housing tolerance	+6	+17	+6	+24	0	+11	0	+18	-5	+6	-8	+10	-9	+2	-12	+6
		Diameter difference	+15.5	+19	+9.5	+13	+4.5	+5	+7.5	-6.5	+11	-9	+0.5	+1				
18 <D<= 30	-9 0	Housing tolerance	+7	+20	+7	+28	0	+13	0	+21	-5	+8	-9	+12	-11	+2	-15	+6
		Diameter difference	+18	+22	+11	+15	+6	+6	+17.5	-5.5	+8	-8	+11.5	-11.5				
30 <D<= 50	-11 0	Housing tolerance	+9	+25	+9	+34	0	+16	0	+25	-6	+10	-11	+14	-13	+3	-18	+7
		Diameter difference	+22.5	+27	+13.5	+18	+7.5	+7	+20.5	-6.5	+10	-9	+13.5	-13.5				
50 <D<= 65	-13 0	Housing tolerance	+10	+29	+10	+40	0	+19	0	+30	-6	+13	-12	+18	-15	+4	-21	+9
		Diameter difference	+26	+31.5	+16	+21.5	+10	+9.5	+12.5	-10.5	+17	-16	+17	-16				
65 <D<= 80	-13 0	Housing tolerance	+10	+29	+10	+40	0	+19	0	+30	-6	+13	-12	+18	-15	+4	-21	+9
		Diameter difference	+26	+31.5	+16	+21.5	+10	+9.5	+12.5	-10.5	+17	-16	+17	-16				
80 <D<= 100	-15 0	Housing tolerance	+12	+34	+12	+47	0	+22	0	+35	-6	+16	-13	+22	-18	+4	-25	+10
		Diameter difference	+30.5	+37	+18.5	+25	+12.5	+12	+14	-13	+19	-19						
100 <D<= 120	-15 0	Housing tolerance	+12	+34	+12	+47	0	+22	0	+35	-6	+16	-13	+22	-18	+4	-25	+10
		Diameter difference	+30.5	+37	+18.5	+25	+12.5	+12	+14	-13	+19	-19						
120 <D<= 140	-18 0	Housing tolerance	+14	+39	+14	+54	0	+25	0	+40	-7	+18	-14	+26	-21	+4	-28	+12
		Diameter difference	+35.5	+43	+21.5	+29	+14.5	+15	+16	-15	+23	-21						
140 <D<= 150	-18 0	Housing tolerance	+14	+39	+14	+54	0	+25	0	+40	-7	+18	-14	+26	-21	+4	-28	+12
		Diameter difference	+35.5	+43	+21.5	+29	+14.5	+15	+16	-15	+23	-21						
150 <D<= 160	-25 0	Housing tolerance	+14	+39	+14	+54	0	+25	0	+40	-7	+18	-14	+26	-21	+4	-28	+12
		Diameter difference	+39	+46.5	+25	+32.5	+18	+18.5	+21.5	-13.5	+28	-19						
160 <D<= 180	-25 0	Housing tolerance	+14	+39	+14	+54	0	+25	0	+40	-7	+18	-14	+26	-21	+4	-28	+12
		Diameter difference	+39	+46.5	+25	+32.5	+18	+18.5	+21.5	-13.5	+28	-19						

HOUSING																		
Nominal housing diameter mm	Bearing outside diameter tolerance μm	Fits μm	G6		G7		H6		H7		J6		J7		K6		K7	
			Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable
180 <D<= 200	-30 0	Housing tolerance	+15	+44	+15	+61	0	+29	0	+46	-7	+22	-16	+30	-24	+5	-33	+13
		Diameter difference	+44.5	+53	+29.5	+38	+22.5	+22	+5.5	+5								
200 <D<= 225	-30 0	Housing tolerance	+15	+44	+15	+61	0	+29	0	+46	-7	+22	-16	+30	-24	+5	-33	+13
		Diameter difference	+44.5	+53	+29.5	+38	+22.5	+22	+5.5	+5								
225 <D<= 250	-30 0	Housing tolerance	+15	+44	+15	+61	0	+29	0	+46	-7	+22	-16	+30	-24	+5	-33	+13
		Diameter difference	+44.5	+53	+29.5	+38	+22.5	+22	+5.5	+5								
250 <D<= 280	-35 0	Housing tolerance	+17	+49	+17	+69	0	+32	0	+52	-7	+25	-16	+36	-27	+5	-36	+16
		Diameter difference	+50.5	+60.5	+33.5	+43.5	+26.5	+27.5	+6.5	+7.5								
280 <D<= 315	-35 0	Housing tolerance	+17	+49	+17	+69	0	+32	0	+52	-7	+25	-16	+36	-27	+5	-36	+16
		Diameter difference	+50.5	+60.5	+33.5	+43.5	+26.5	+27.5	+6.5	+7.5								
315 <D<= 400	-40 0	Housing tolerance	+18	+54	+18	+75	0	+36	0	+57	-7	+29	-18	+39	-29	+7	-40	+17
		Diameter difference	+53.5	+64	+36.5	+46	+28.5	+28	+6.5	+6								
400 <D<= 500	-45 0	Housing tolerance	+20	+60	+20	+83	0	+40	0	+63	-7	+33	-20	+43	-32	+8	-45	+18
		Diameter difference	+57.5	+69	+37.5	+49	+30.5	-14	+5.5	+4								
500 <D<= 630	-50 0	Housing tolerance	+22	+66	+22	+92	0	+44	0	+70					-44	0	-70	0
		Diameter difference	+61.5	+74.5	+39.5	+52.5			-4.5	-17.5								
630 <D<= 800	-75 0	Housing tolerance	+24	+74	+24	+104	0	+50	0	+80					-50	0	-80	0
		Diameter difference	+66.5	+81.5	+42.5	+57.5			-7.5	-22.5								
800 <D<= 1000	-100 0	Housing tolerance	+26	+82	+26	+116	0	+56	0	+90					-56	0	-90	0
		Diameter difference	+71.5	+88.5	+45.5	+62.5			-10.5	-27.5								

1. A negative value denotes an interference fit and a positive value a loose fit (clearance fit)
2. The probable fit values are calculated on the assumption that the statistical distribution of the dimensions within the tolerances follows a "normal" law (gaussian distribution law)
3. Bearing tolerances and fits : values in microns (μm)
4. ▼ Most usual fits

Values of standard bearing fits in housings

HOUSING																		
Nominal housing diameter mm	Bearing outside diameter tolerance μm	Fits μm	M6		M7		N6		N7		P6		P7		R6		R7	
			Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable
10 <D<= 18	-8 0	Housing tolerance	-15	-4	-18	0	-20	-9	-23	-5	-26	-15	-29	-11	-31	-20	-34	-16
		Diameter difference	-5.5	-5	-10.5	-10	-16.5	-16	-21.5	-21	-27.5	-26	-32.5	-31.5	-37.5	-36	-42.5	-41
18 <D<= 30	-9 0	Housing tolerance	-17	-4	-21	0	-24	-11	-28	-7	-31	-18	-35	-14	-37	-24	-41	-20
		Diameter difference	-6	-6	-13	-13	-20	-20	-27	-26	-34	-34	-41	-41	-48	-47	-54	-53
30 <D<= 50	-11 0	Housing tolerance	-20	-4	-25	0	-28	-12	-33	-8	-37	-21	-42	-17	-45	-29	-50	-25
		Diameter difference	-6.5	-7	-14.5	-15	-22.5	-23.5	-30.5	-31.5	-39.5	-39.5	-47.5	-47.5	-55.5	-55.5	-63.5	-63.5
50 <D<= 65	-13 0	Housing tolerance	-24	-5	-30	0	-33	-14	-39	-9	-45	-26	-51	-21	-54	-35	-60	-30
		Diameter difference	-8	-8.5	-17	-17.5	-26	-26.5	-35	-35	-44	-44	-53	-53	-62	-62	-71	-71
65 <D<= 80	-13 0	Housing tolerance	-24	-5	-30	0	-33	-14	-39	-9	-45	-26	-51	-21	-56	-37	-62	-32
		Diameter difference	-8	-8.5	-17	-17.5	-26	-26.5	-35	-35	-44	-44	-53	-53	-62	-62	-71	-71
80 <D<= 100	-15 0	Housing tolerance	-28	-6	-35	0	-38	-16	-45	-10	-52	-30	-59	-24	-66	-44	-73	-38
		Diameter difference	-9.5	-10	-19.5	-20	-29	-29.5	-39	-39	-49	-49	-59	-59	-69	-69	-79	-79
100 <D<= 120	-15 0	Housing tolerance	-28	-6	-35	0	-38	-16	-45	-10	-52	-30	-59	-24	-66	-47	-76	-41
		Diameter difference	-9.5	-10	-19.5	-20	-29	-29.5	-39	-39	-49	-49	-59	-59	-69	-69	-79	-79
120 <D<= 140	-18 0	Housing tolerance	-33	-8	-40	0	-45	-20	-52	-12	-61	-36	-68	-28	-81	-56	-88	-48
		Diameter difference	-11.5	-11	-23.5	-23	-35.5	-35.5	-47.5	-47.5	-60.5	-60.5	-73.5	-73.5	-86.5	-86.5	-99.5	-99.5
140 <D<= 150	-18 0	Housing tolerance	-33	-8	-40	0	-45	-20	-52	-12	-61	-36	-68	-28	-83	-58	-90	-50
		Diameter difference	-11.5	-11	-23.5	-23	-35.5	-35.5	-47.5	-47.5	-60.5	-60.5	-73.5	-73.5	-86.5	-86.5	-99.5	-99.5
150 <D<= 160	-25 0	Housing tolerance	-33	-8	-40	0	-45	-20	-52	-12	-61	-36	-68	-28	-83	-58	-90	-50
		Diameter difference	-8	-7.5	-20	-19.5	-36	-36.5	-48.5	-48.5	-61.5	-61.5	-74.5	-74.5	-87.5	-87.5	-100.5	-100.5
160 <D<= 180	-25 0	Housing tolerance	-33	-8	-40	0	-45	-20	-52	-12	-61	-36	-68	-28	-86	-61	-93	-53
		Diameter difference	-8	-7.5	-20	-19.5	-36	-36.5	-48.5	-48.5	-61.5	-61.5	-74.5	-74.5	-87.5	-87.5	-100.5	-100.5



HOUSING																		
Nominal housing diameter mm	Bearing outside diameter tolerance μm	Fits μm	M6		M7		N6		N7		P6		P7		R6		R7	
			Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable	Diameter difference	Average Probable
180 <D<= 200	-30 0	Housing tolerance	-37	-8	-46	0	-51	-22	-60	-14	-70	-41	-79	-33	-97	-68	-106	-60
		Diameter difference	-7.5	-8	-15.5	-16.5	-24.5	-25.5	-34.5	-35.5	-44.5	-44.5	-53.5	-53.5	-62.5	-62.5	-71.5	-71.5
200 <D<= 225	-30 0	Housing tolerance	-37	-8	-46	0	-51	-22	-60	-14	-70	-41	-79	-33	-100	-71	-109	-63
		Diameter difference	-7.5	-8	-15.5	-16.5	-24.5	-25.5	-34.5	-35.5	-44.5	-44.5	-53.5	-53.5	-62.5	-62.5	-71.5	-71.5
225 <D<= 250	-30 0	Housing tolerance	-37	-8	-46	0	-51	-22	-60	-14	-70	-41	-79	-33	-104	-75	-113	-67
		Diameter difference	-7.5	-8	-15.5	-16.5	-24.5	-25.5	-34.5	-35.5	-44.5	-44.5	-53.5	-53.5	-62.5	-62.5	-71.5	-71.5
250 <D<= 280	-35 0	Housing tolerance	-41	-9	-52	0	-57	-25	-66	-14	-79	-47	-88	-36	-117	-85	-126	-74
		Diameter difference	-7.5	-8.5	-16.5	-17.5	-26.5	-27.5	-36.5	-37.5	-46.5	-46.5	-55.5	-55.5	-64.5	-64.5	-73.5	-73.5
280 <D<= 315	-35 0	Housing tolerance	-41	-9	-52	0	-57	-25	-66	-14	-79	-47	-88	-36	-121	-89	-130	-78
		Diameter difference	-7.5	-8.5	-16.5	-17.5	-26.5	-27.5	-36.5	-37.5	-46.5	-46.5	-55.5	-55.5	-64.5	-64.5	-73.5	-73.5
315 <D<= 400	-40 0	Housing tolerance	-46	-10	-57	0	-62	-26	-73	-16	-87	-51	-98	-41				
		Diameter difference	-10.5	-11	-21.5	-22	-32.5	-33	-43.5	-44	-54.5	-54.5	-64.5	-64.5				
400 <D<= 500	-45 0	Housing tolerance	-50	-10	-63	0	-67	-27	-80	-17	-95	-55	-108	-45				
		Diameter difference	-12.5	-14	-24.5	-25.5	-35.5	-36.5	-46.5	-47.5	-57.5	-57.5	-67.5	-67.5				
500 <D<= 630	-50 0	Housing tolerance	-70	-26	-96	-26	-100	-44	-114	-44	-122	-78	-148	-78				
		Diameter difference	-30.5	-43.5	-48.5	-48.5	-61.5	-61.5	-74.5	-74.5	-87.5	-87.5	-100.5	-100.5				
630 <D<= 800	-75 0	Housing tolerance	-80	-30	-110	-30	-100	-50	-130	-50	-138	-88	-168	-88				
		Diameter difference	-37.5	-52.5	-57.5	-57.5	-70.5	-70.5	-83.5	-83.5	-96.5	-96.5	-109.5	-109.5				
800 <D<= 1000	-100 0	Housing tolerance	-90	-34	-124	-34	-112	-56	-146	-56	-156	-100	-190	-100				
		Diameter difference	-44.5	-61.5	-66.5	-66.5	-83.5	-83.5	-100.5	-100.5	-117.5	-117.5	-134.5	-134.5				

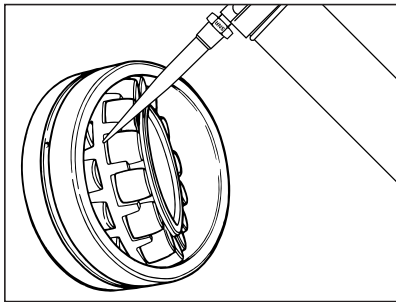
1. A negative value denotes an interference fit and a positive value a loose fit (clearance fit)
2. The probable fit values are calculated on the assumption that the statistical distribution of the dimensions within the tolerances follows a "normal" law (gaussian distribution law)
3. Bearing tolerances and fits : values in microns (μm)
4. ▼ Most usual fits

3 Fitting/Removal

3.1 Fitting

3.1.1 General Rules

1. Verify the bearing reference and review the drawings, specifications and procedures.
2. Ensure that the dimensions, shape and positions of the bearing seats conform to these drawings and specifications.
3. Prepare all equipment, parts and the necessary tools before initiating the fitting procedure. Ensure that all these elements are clean.
4. Carefully clean and check all parts and components that are adjacent to the bearing.



5. Remove the bearing from its packing at the last moment, proceeding on a perfectly clean workbench.
6. Never clean the bearing, unless specified, since it is coated with a thin film of rust-preventive oil that is compatible with most lubricants.
7. Fit the bearing according to the selected method.
8. Lubricate the bearing with **special grease suited to the application**. Always introduce grease into the cage, between the rolling elements, in order to lubricate the surfaces that are in contact with the inner ring.

9. After fitting, check for abnormal clearance, then operate the assembly under no load to check for possible defects (abnormal noise, vibration, temperature, etc.).

3.1.2 Importance of Cleanliness during Handling

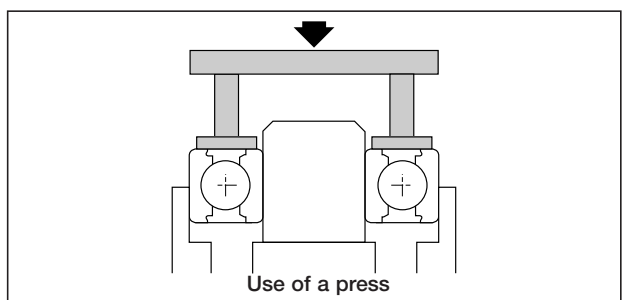
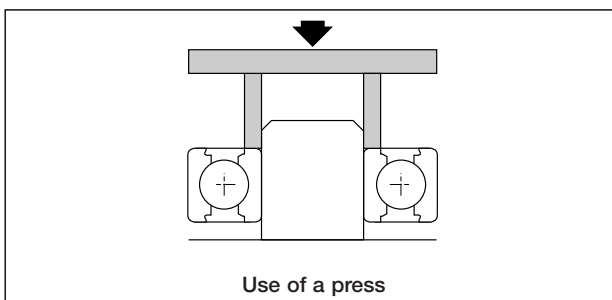
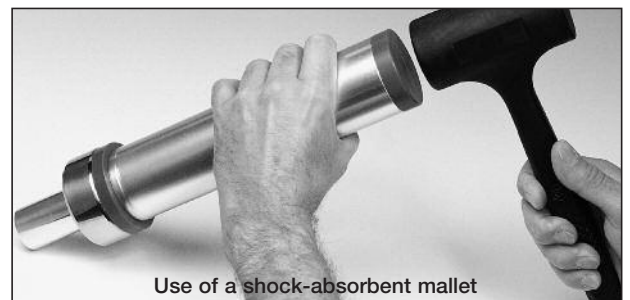
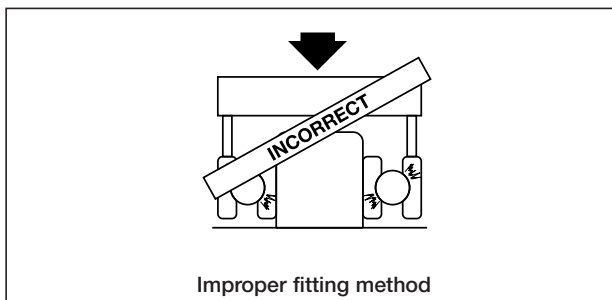
The operator must ensure cleanliness at all times. Any contamination from foreign matter will result in rapid deterioration of the bearing.

Therefore, it is essential that the following items be always kept clean:

- Tools,
- Surrounding parts and components,
- Workbench.

Remove the bearing from its packing at the last moment.

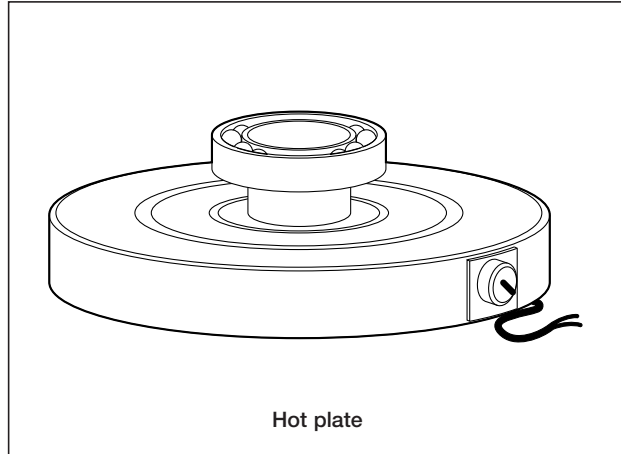
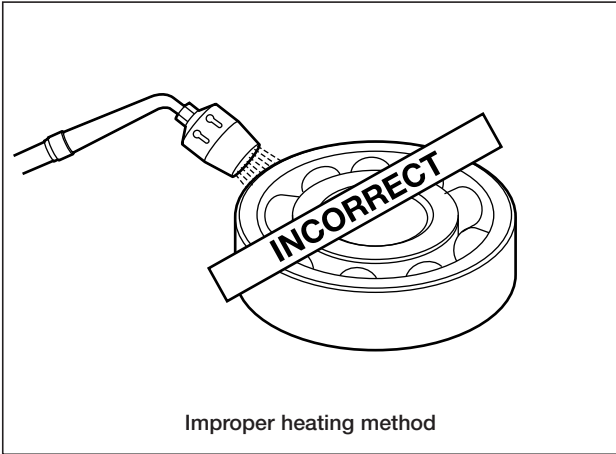
3.1.3 Cold Fitting



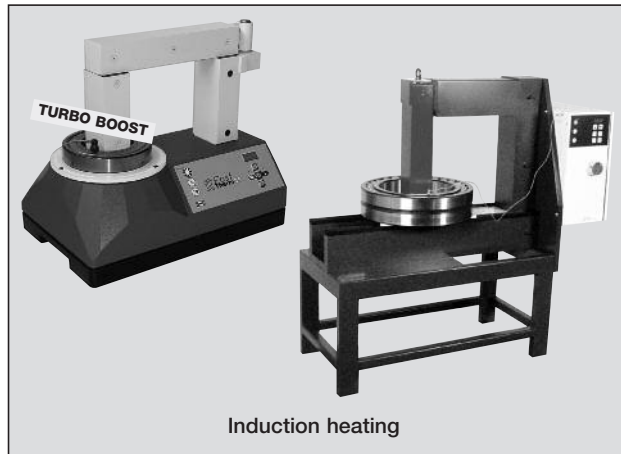
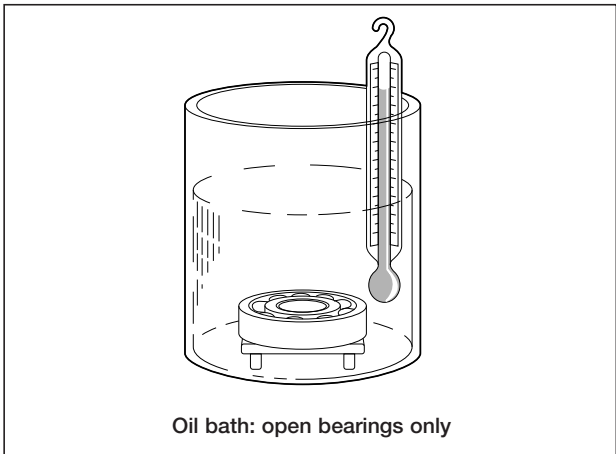
Cold fitting may sometimes be performed by shrinking the shaft in a bath of liquid nitrogen at -170°C (-274°F).

3.1.4 Hot Fitting

 HEATING WITH A FLAME IS NOT RECOMMENDED



Go
tr/mn
C
NEWTONS
H7 - p6



Reminder: Ensure that the oil and the bearing environment are clean.
 Induction heating (SNR induction heaters Fast Therm 20 - Fast Therm 35 - Fast Therm 150 - Fast Therm 300 - Fast Therm 600 - Fast Therm 1000) is the most satisfactory and reliable method.

Experience shows that the amount of shrinkage required for easy fitting is barely dependent upon the interference fit tolerances (h6, p6, etc.).

As a general rule, the following temperature values can be used:

Bore	Temperature
Below 100 mm	90°C (195°F)
From 100 to 150 mm	120°C (250°F)
Above 150 mm	130°C (265°F)

For any particular question, consult your SNR Representative.

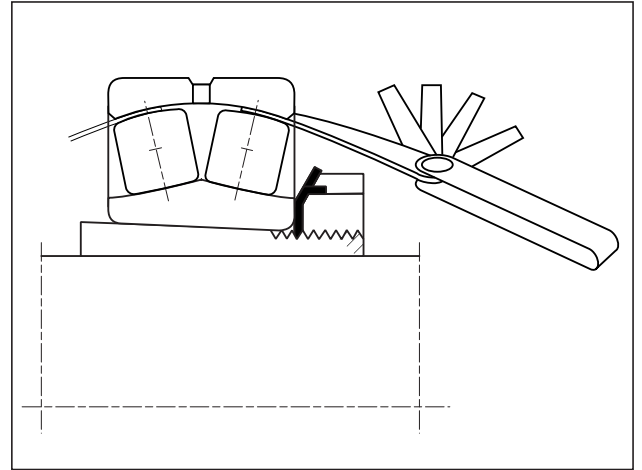


3.1.5 Fitting with Adapter Sleeve

Adapter sleeves are used for fitting tapered-bore bearings (suffix K).

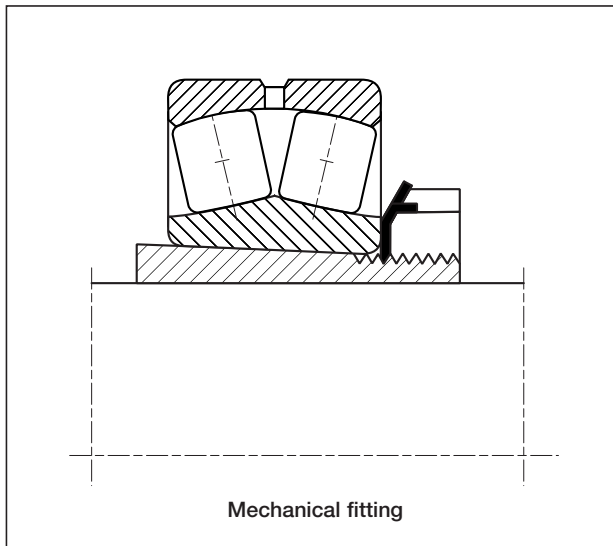
- Single-row and double-row ball bearings:
When tightening the nut, check for:
 - Smoothness of rotation
 - Easy swivelling of the outer ring (Loosen the nut 1/8 to 1/4 of a turn if swivelling becomes difficult).
- Spherical roller bearings:
Use feeler gages and the SNR clearance slide chart (as often as possible) when tightening the nut to ensure that the mounted internal clearance does not become lower than the minimum prescribed value.

One advantage of the SNR ball bearing units is the minimum demand that this type of bearing arrangement makes on the shaft (not hardened nor ground, low requirements of the surface quality). For the installation, we recommend h9 minimum of tolerance for the shaft diameter.

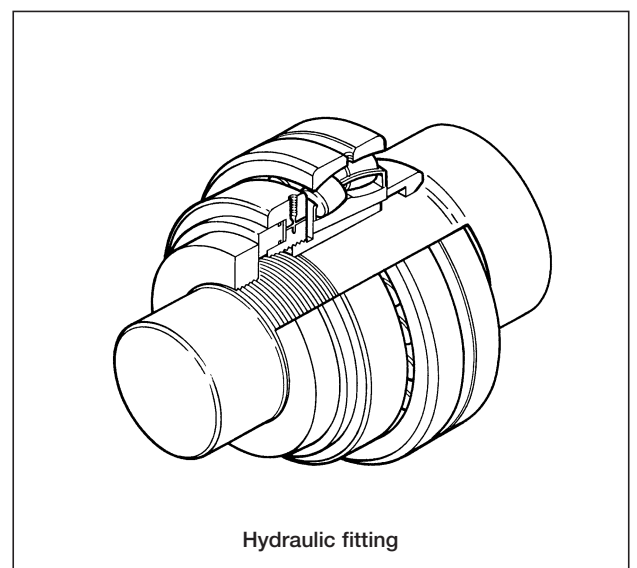
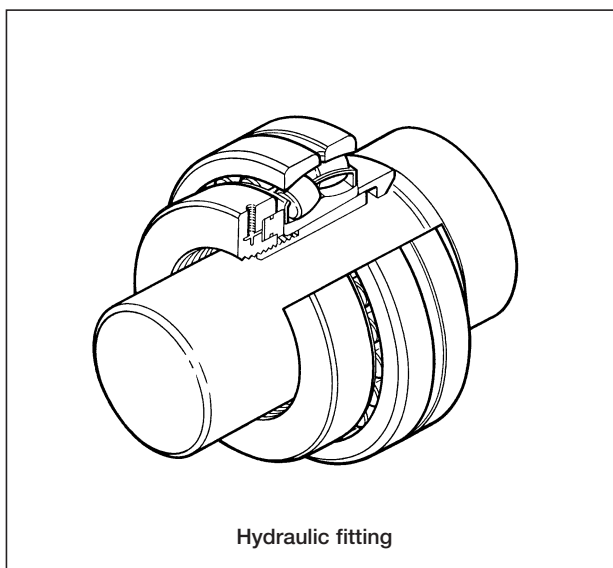
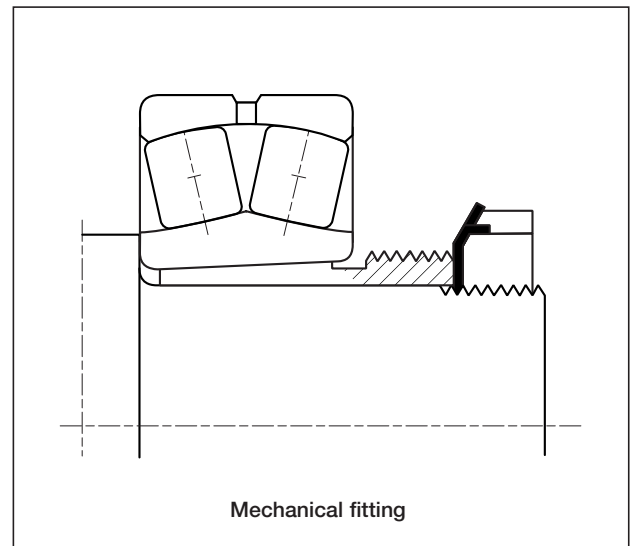


There are two main types of sleeves:

Adapter sleeves



Withdrawal sleeves



For hot fitting, please refer to the instructions provided in the SNR technical documentation, in particular with regard to thermal fitting.

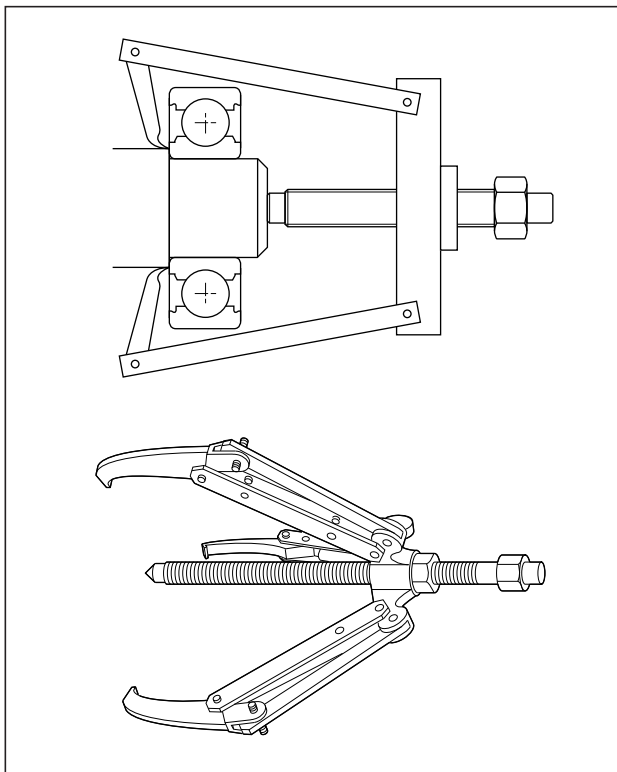
3.2 Removal

CAUTION: Take care not to cause any damage to the shaft or housing.

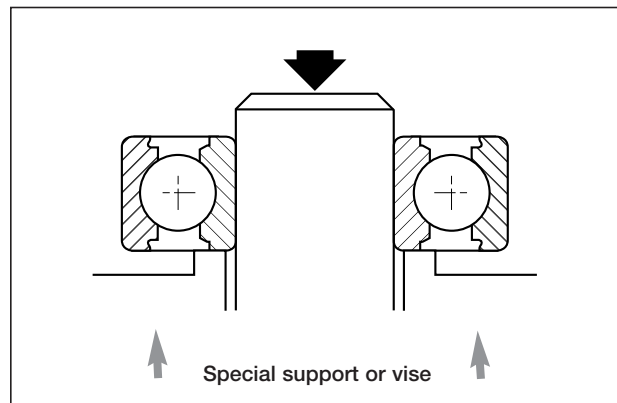
CAUTION: When the bearing is to be reused, always ensure that the extraction force is not transmitted through the rolling elements.

3.2.1 Bearings Press-Fitted on the Shaft

Bearing puller

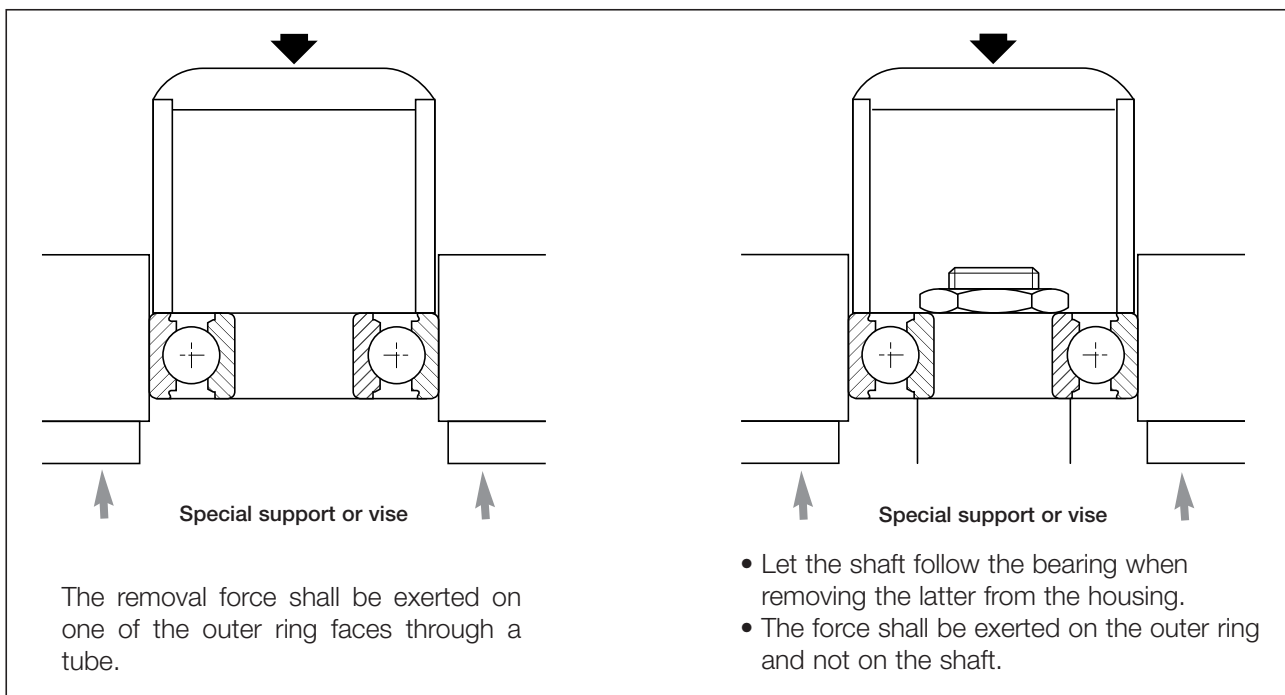


Press or shock-absorbent mallet



3.2.2 Bearings Press-Fitted into the Housing

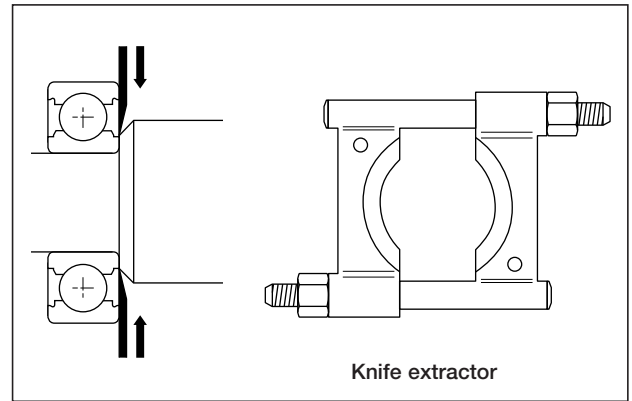
3.2.3 Bearings Press-Fitted on the Shaft and into the Housing



3.2.4 Use of a Knife Extractor

A knife extractor is to be used when the bearing abuts against a shoulder that is higher than the ring thickness.

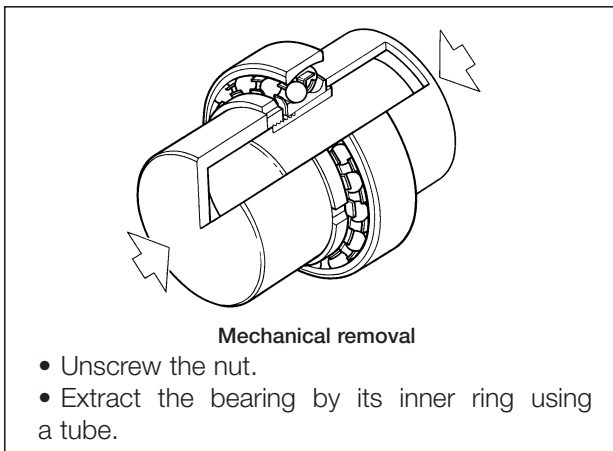
This tool may be used as a support to the puller fingers when removing the bearing



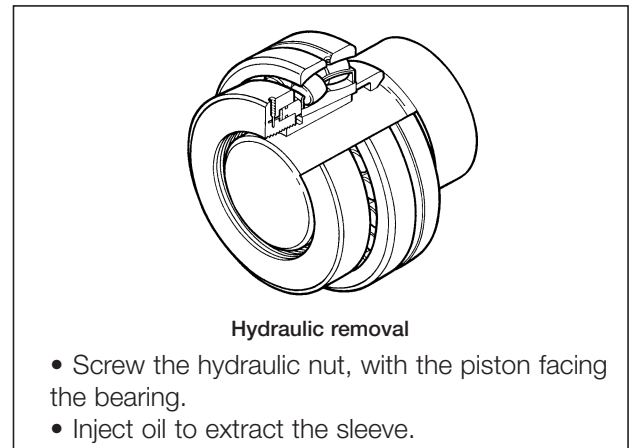
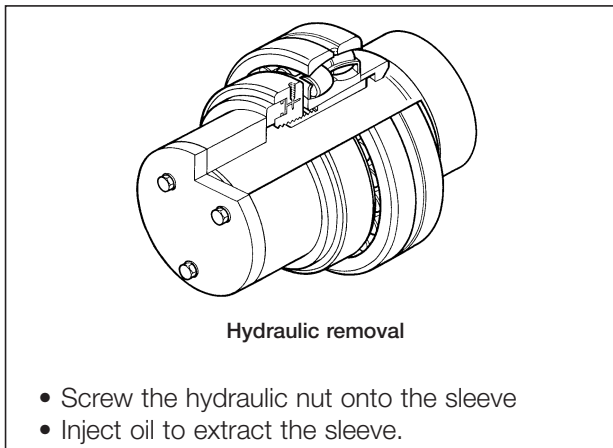
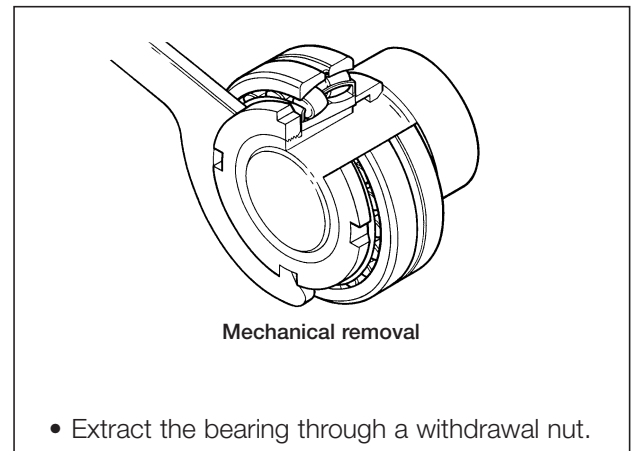
Knife extractor

3.2.5 Tapered-Bore Bearings

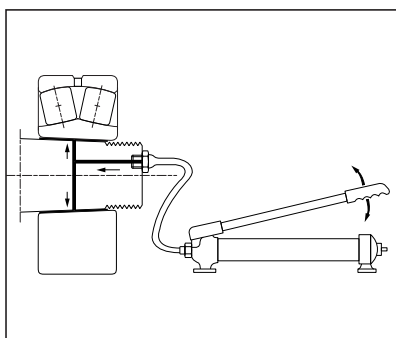
Fitted on an adapter sleeve



Fitted on a withdrawal sleeve



Directly fitted on the shaft



Large bearings are sometimes fitted directly on a tapered shaft.

Oil pressure is used to remove these bearings.

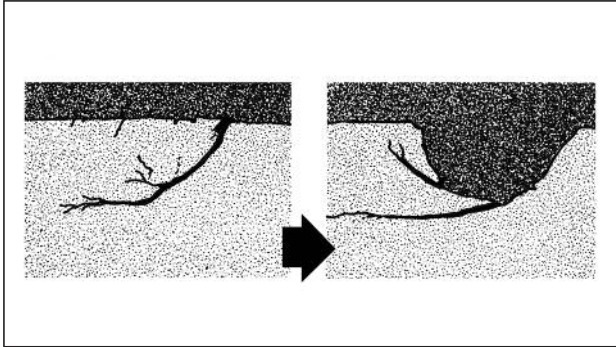
Holes made for this purpose permit connection of a high-pressure pump which forces oil between the shaft and the inner ring.

The resulting elastic expansion of the inner ring enables the bearing to be removed.

Use of removed bearings: the bearings that are to be reused (which is not recommended) should be cleaned and thoroughly examined beforehand (refer to the SNR document "Analysis and Diagnostics").

D Bearing Life

1 Bearing Spalling



The bearing is, by definition, a fatigue part. The cyclic stresses applied to the bearing active surfaces generate, more or less rapidly, fatigue cracks affecting the material.

These cracks start in the sub-layer and then propagate towards the surface where they create spalling.

The bearing raceway becomes damaged. The bearing loses its initial properties and can no longer operate correctly.



2 Life Calculation

The method recommended in the ISO standard 281 permits to calculate a life duration that is reached by 90% of the bearings.

The formula to use for calculating a life duration expressed in numbers of revolutions is: $L_{10} = \left(\frac{C}{P}\right)^n 10^6$ revolutions

L10 = Nominal life.

C = Bearing basic dynamic capacity (Its value is specified for each part number in the following lists).

P = Equivalent load applied to the bearing.

The equivalent load applied to the bearing is calculated by using a formula that involves combined axial (Fa) and radial (Fr) loads.

This value is often provided by the user.
If not, consult your SNR Representative.

n: exponent related to the type of bearing.

Example:

n = 3 for ball bearings or thrust ball bearings

n = $\frac{10}{3}$ for roller bearings or thrust roller bearings.

Required Life:

The required bearing life is specified by the manufacturer of the equipment that contains the bearing. Listed below are some examples of typical required bearing lives for various usual applications:

Type of Operation	Nominal Life in Hours	Example of Application
Intermittent operation:		
• Infrequent usage	< 3000	Home appliances...
• Frequent usage	5000	Hand tools...
• 8 hours per day	20000	Reducers...
Continuous operation:		
• 8 hours per day	30000	Machine-tools...
• 24 hours per day	50000	Compressors...
• Heavy equipment	> 50000	Power plants...

E Bearing Lubrication

1 The SNR ROULEMENTS Expertise

Lubrication is essential to correct bearing life and performance. After numerous tests, SNR ROULEMENTS has selected different types of grease that meet its own technical requirements.

SNR ROULEMENTS expertise is based on:

- A list of more than 600 types of grease
- Tests performed on more than 100 types of grease
- A large number of test machines and physical & chemical qualification equipment.

2 Oil or Grease Lubrication

2.1 Applications

- Oil lubrication:

Recommended whenever the bearing is integrated into a mechanism that is already lubricated with oil (e.g. reducers, gearboxes).

Recommended when the mechanism benefits from a central lubrication system where oil is also used as a cooling agent.

Oils used are usually mineral oils with a viscosity index of approximately 90 cSt (415 SUS).

- Grease lubrication:

Sealed or shielded bearings are lubricated for life.

The limiting speeds specified in the list of products depend on sealing characteristics. For open bearings, the limiting speed corresponds to that of a grease-lubricated bearing. For high-precision bearings, the limiting speed is determined based on oil lubrication.

2.2 Advantages

OIL	Cooling quality. High speeds capability (20% higher than grease lubrication). Durability. Low friction torque. Drawback: risk of contamination.
------------	-------------------------------------------------------------------------------------------------------------------------------------------------

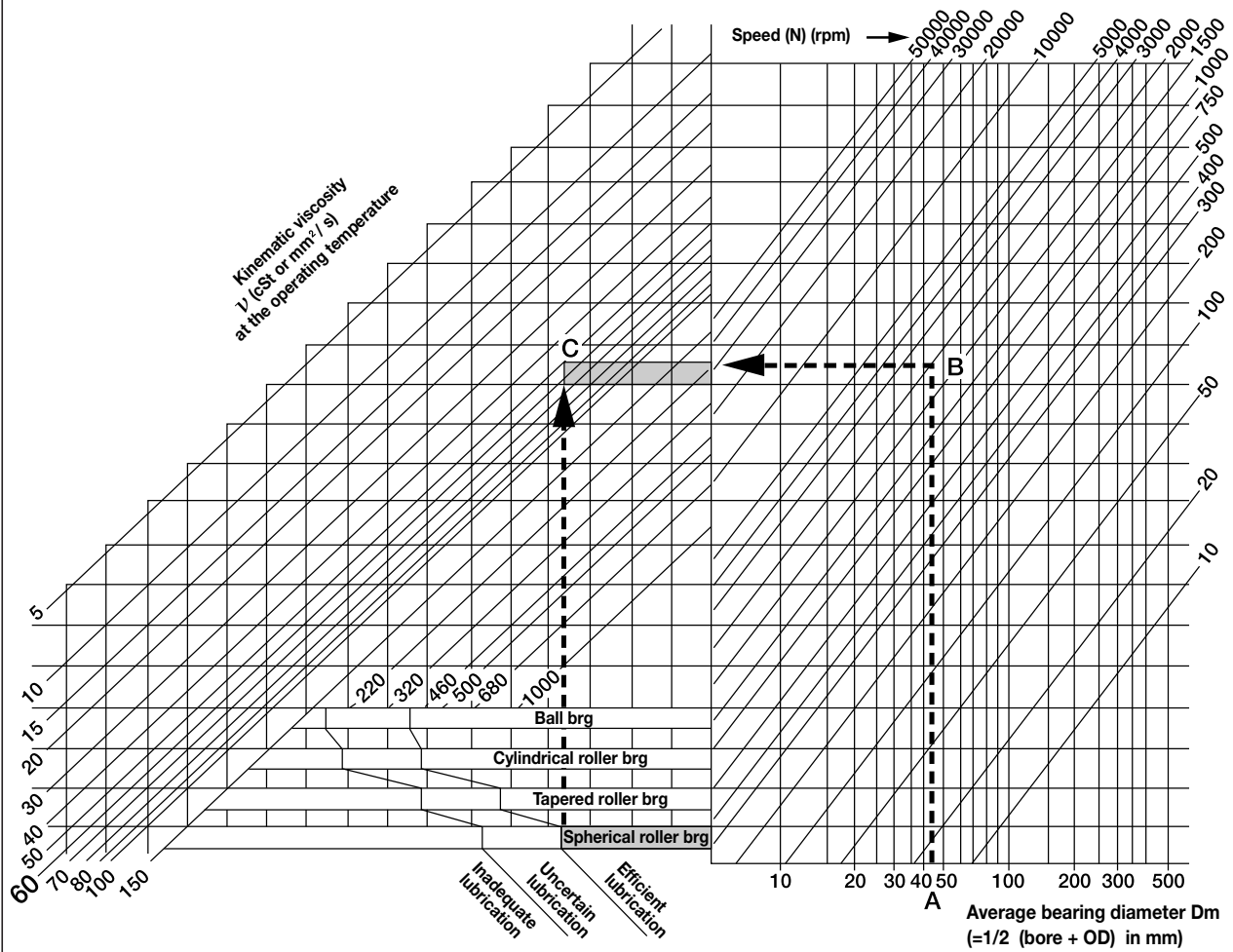
GREASE	Lifetime lubrication possible. Simple sealing. Large selection for each application. Easy relubrication. Automated lubrication. Cleanliness.
---------------	----------------------------------------------------------------------------------------------------------------------------------------------

3 Selection of lubricant

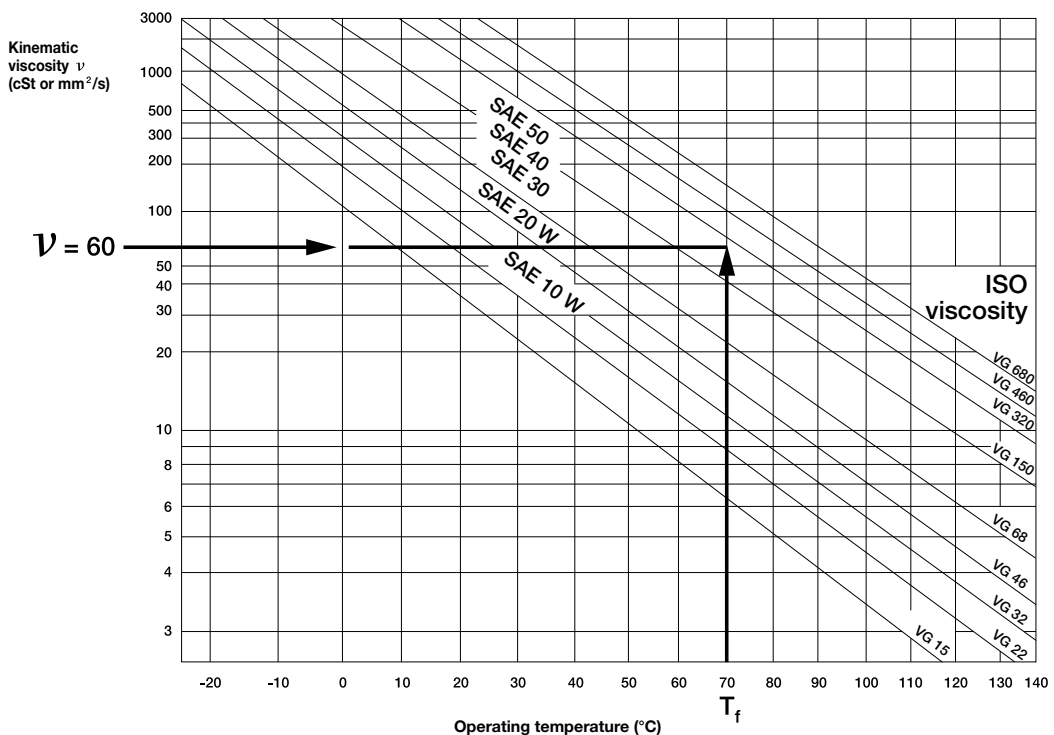
3.1 Determination of oil viscosity or grease basic oil viscosity

Since grease is made of soap and oil, it is necessary, for all types of lubrication (oil or grease), to verify that the minimum viscosity is adequate by following the rules described in the following charts.

Determination of lubrication efficiency in a bearing



Viscosity / temperature chart for mineral oils with a viscosity index of 90 cSt



3.2 Grease Selection and characteristics

Grease is made of soap and oil.

Proceed as follows to determine the level of compatibility between the various SNR greases:

- Soap and oil of same kind = compatibility
- Otherwise, consult your SNR Representative.

Technical characteristics

	MS	EP	HT	GV+
Color	Amber	Amber	Light brown	White
Composition	- Mineral oil - Lithium soap	- Mineral oil - Extreme pressure - Lithium soap	- Synthetic oil - Polyurea thickener	- Diester oil - Lithium soap
Basic oil viscosity	105	105	150	15
Consistency, NLGI Grade	2	2	2	2
Operating temperature, (°C / °F)	- 30 + 120	- 30 + 110	- 30 + 150	- 50 + 120
Moderate loads P < C / 5	G	VG	G	G
High loads P > C / 5	NR	VG	NR	NR
Low speed RPM x Dm < 100,000	G	G	NR	NR
High speed RPM x Dm > 100,000	G	G	G	VG
Humidity, Presence of water	VG	VG	G	VG
Oscillations, Low amplitude	G	G	VG	G
Vibrations at idle	NR	NR	NR	VG
Adhesion	G	G	VG	G
Low torque	G	G	G	VG
Quietness	G	G	G	VG
Corrosion protection	VG	VG	G	VG
Resistance to chemical agents	NR	NR	NR	NR
Pumpability	VG	VG	VG	VG
Packaging	- Tube 230 g - Cartridge 400 g - Can 1 kg - Bucket 5 kg - Barrel 23 kg, 50 kg	- Cartridge 400 g - Can 1 kg - Bucket 5 kg - Barrel 23 kg, 50 kg and 190 kg	- Cartridge 400 g - Can 1 kg	- Tube 90 g - Can 1 kg
Remarks	-	-	Grease life depends on operating temperature	Pay attention to: - quantity - hold - eighboring active parts - grease retention

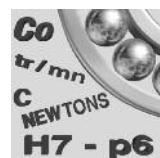
RPM x Dm: Rotation per minute x aft diameter

VG: Very good performance

G: Good performance

NR: Not recommended

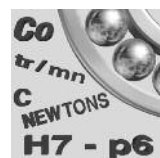
VX	THT		AL1	FV <small>new</small>
Golden	White		Clear yellow	Dark brown
- Mineral paraffinic oil - Lithium soap	- Perfluorated thickening fluid - PTFE		- Mineral paraffinic oil - Complex aluminum soap	- Mineral oil - Lithium + calcium
310	390		200	950
2	2		2	2
- 20 + 130	- 20 + 220	- 20 + 250	- 30 + 120	- 5 + 140
G	VG		G	G
VG	VG	NR	G	VG
VG	VG		G	VG
NR	G	G	G	NR
G	G		G	G
VG	VG		G	G
NR	NR		NR	NR
VG	VG		G	VG
NR	NR		G	NR
NR	NR		NR	NR
G	G		G	G
NR	VG		NR	NR
VG	VG		VG	G
- Cartridge 400 g - Can 1 kg - Barrel 50 kg	- Tube 50 g (25 ml)		- Cartouche 400 g - Boîte 1 kg	- Cartridge 400 g - Can 1 kg
-	-		Conforms to US Food and Drug Administration Recommendations, Class H1	-



Choosing an SNR grease according to your applications

Main criteria	Operating limits		Typical applications
	Temperature, °C/°F	Speed	
General purpose	- 30 to + 120	< bearing's limiting speed	- Farming machines - General mechanics - Handling devices - Electrical tooling
High loads	- 30 to + 110	< 2/3 bearing's limiting speed	- Automotive - Iron & Steel - Civil works equipment
High temperature	- 30 to + 130	< 2/3 bearing's limiting speed	- Electrical motors, class E
	- 20 to + 150	–	- Electrical motors, class F - Alternators
	- 20 to + 180	≤ 1/3 bearing's limiting speed	- Oven & furnace equipment - Electrical motors, class H - Couplers
	- 20 to + 250	<1/5 bearing's limiting speed	- Oven equipment - Furnace tubs
Low temperature	Down to 50	≤ 2/3 bearing's limiting speed	- Aerospace - Special engines
High speed	- 20 to + 120	≤ 4/3 bearing's limiting speed	- Machine-tool spindles - Wood-working machines - Textile spindles
Humidity	- 30 to + 120	≤ 2/3 bearing's limiting speed	- Washing machines
Centrifugal forces Vibrations Rotating outer ring	- 20 to + 130	≤ 2/3 bearing's limiting speed	- Alternators - Civil works equipment - Idle pulleys
Food compatibility	- 30 to + 120	≤ 2/3 bearing's limiting speed	- Agri-food industry
High load under very high loads	- 5 to + 140	–	- Heavy industry: steel-works paper mills, quarries

General recommendations	SNR-LUB recommendation
<ul style="list-style-type: none"> - Mineral oil - Traditional soap (lithium, calcium...) - Consistency: generally grade 2, for large size bearings, or particular operating modes - Performance reduction above 80°C / 175°F in continuous mode; some applications may require another choice 	MS
<ul style="list-style-type: none"> - Similar to multi-purpose greases but with extreme pressure additives 	EP
<ul style="list-style-type: none"> - Traditional soap with high viscosity mineral base oil or synthetic oil 	HT
<ul style="list-style-type: none"> - Entirely synthetic greases - Greases with silicone base oil feature poor performance under load 	THT
<ul style="list-style-type: none"> - Synthetic products, in solid or paste form - Hardly mixable products 	Consult SNR
<ul style="list-style-type: none"> - Very low viscosity base oil Pay attention to grease retention, if temperature exceeds 80°C / 175°F - Very low viscosity oil 	GV+
<ul style="list-style-type: none"> - Traditional grease, with large amount of anti-corrosion additives 	MS EP
<ul style="list-style-type: none"> - Strong adhesion grease (grade 2 consistency) 	VX
<ul style="list-style-type: none"> - Food compatible grease 	AL1
<ul style="list-style-type: none"> - Suitable for very low speed operation, under very high loads 	FV new



4 Quantity of lubricant required for initial lubrication

4.1 Quantity of grease

Excess grease can cause overheating. The grease should fill 20 to 30% of the free space within the bearing.

Formula to use for calculating the required quantity of grease:

$$G = 0,005 D.B$$

G = grams (or cm³) **D** = bearing outside diameter (mm) **B** = bearing width (mm)

Exceptions:

- The quantity of grease may be increased by 20% for pillow blocks equipped with a grease drain hole.
- Bearings that rotate very slowly can be completely filled.

5 SNR Automatic Lubricator

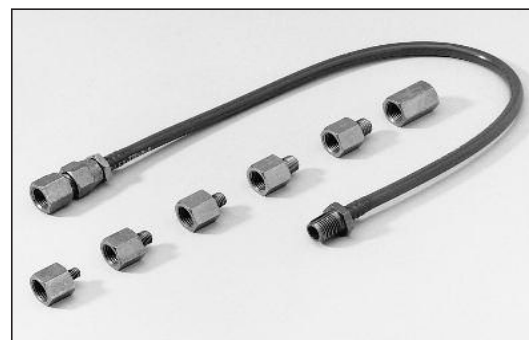
5.1 Advantages

- It provides a steady flow rate.
- Maximum pressure: 3 bars
- Allows limited maintenance in hazardous environments.
- It is environment-friendly. The gas (Nitrogen) generated in the sealed chamber of the SNR lubricator is non-explosive and non-flammable (INERIS and CERCHAR certifications).
- It may be reprogrammed during service use.
- It can operate at temperatures up to 55°C (130°F), at high elevation, in water and in every position.
- It can be stopped and then restarted.



5.2 Fitting Accessories

- Hoses
RGF 1000 N 01
- RDF couplings - female-female
1/4 inch thread, cylindrical
- RDM couplings - male-female
6x100 tapered 10x100 tapered
8x100 tapered 10x150 tapered
8x125 tapered



5.3 Flow rate Adjustment Parameters

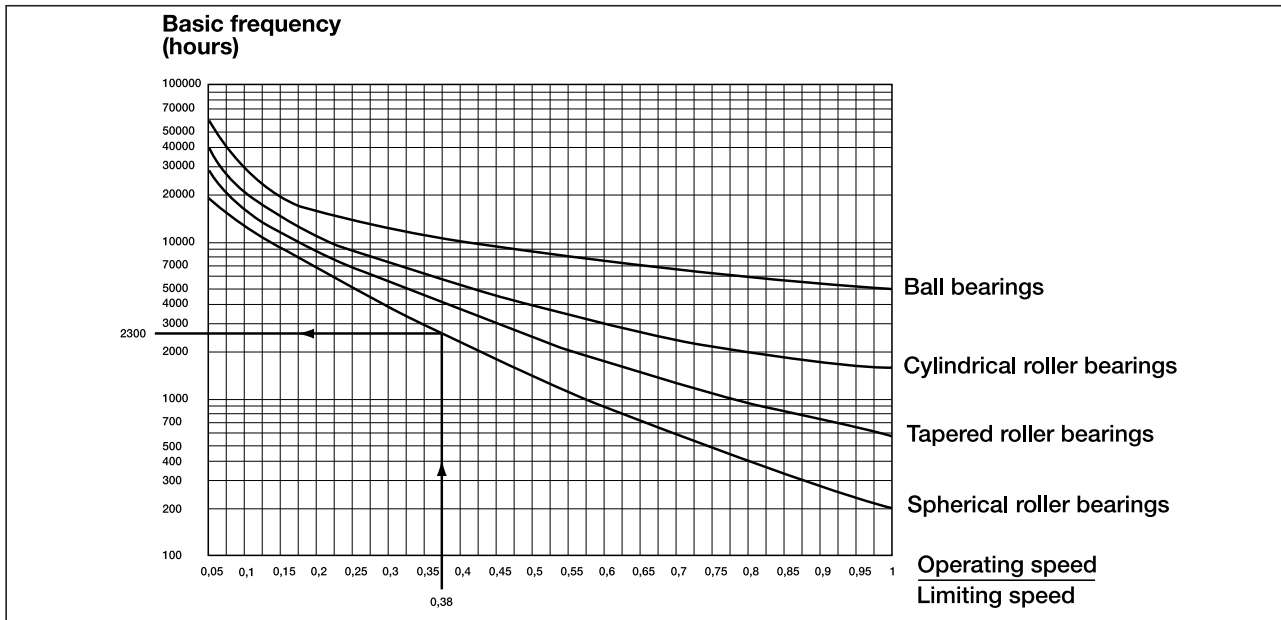
Shaft diameter	Manual lubrication frequency (remark: 1 pump stroke = 1 cm ³ or .03 ozfl)	Daily quantity	SNR automatic lubricator replacement frequency (125 cm ³ or 4.2 ozfl)
100 to 120 mm	4 pump strokes per day	3 to 4 cm ³	1 month
80 to 100 mm	2 pump strokes per day	2 cm ³	2 months
65 to 80 mm	8 to 10 pump strokes per week	1,5 cm ³	3 months
50 to 65 mm	8 to 10 pump strokes every other week	0,7 cm ³	6 months
< 50 mm	8 to 10 pump strokes per month	0,3 cm ³	12 months

Values correspond to normal operating conditions (refer to the technical document).

6 Relubrication

6.1 Relubrication frequency

The **basic relubrication frequency** (Fb) depends on the **bearing type** and the ratio of **operating speed** to **limiting speed** (The limiting speed is specified in bearing characteristics section).



The basic frequency should be **adjusted per the following formula that contains coefficients** which values depend on the specific operating conditions applicable to the mechanism (dust, humidity, impacts, vibration, vertical axis, operating temperature, etc.):

$$F_c = F_b \times T_e \times T_a \times T_t$$

Conditions	Environment		Application	Temperature	
	Dust	Humidity		for standard grease	for high-temperature grease
Coefficients	T_e	T_a	Range	T_t	T_t
medium	0,7 to 0,9	0,7 to 0,9	75°C (167°F)	0,7 to 0,9	
high	0,4 to 0,7	0,4 to 0,7	75°C to 85°C (167°F to 185°F)	0,4 to 0,7	0,7 to 0,9
very high	0,1 to 0,4	0,1 to 0,4	85°C to 125 °C (185°F to 257°F) 130°C to 170°C (266°F to 338°F)	0,1 to 0,4	0,4 to 0,7 0,1 to 0,4

Example: Bearing 22212 EA lubricated with standard grease and rotating at a speed of 1500 rpm in a dusty environment at 90°C (194°F) without any other application constraints:

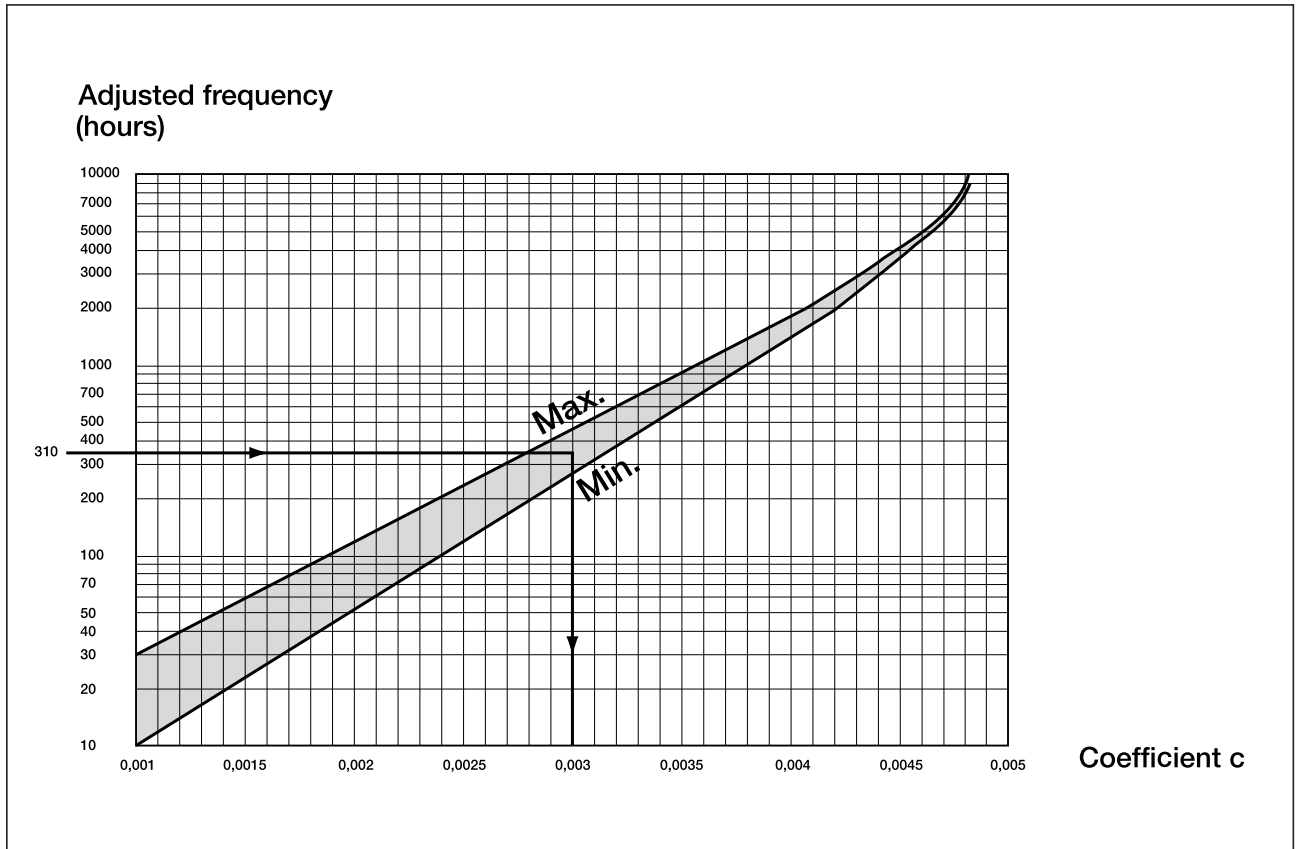
22212 Spherical roller bearing
 Limiting speed = 3900 rpm
 Operating speed = 1500 rpm
 $\frac{\text{Operating speed}}{\text{Limiting speed}} = \frac{1500}{3900} = 0,38 \longrightarrow$ basic frequency $F_b = 2300$ hours
 Coefficients
 $T_e = 0,5 \longrightarrow$ dust
 $T_a = 0,9 \longrightarrow$ normal
 $T_t = 0,3 \longrightarrow 90^\circ\text{C} (194^\circ\text{F})$

Adjusted frequency (F_c) = $F_b \times T_e \times T_a \times T_t = 2300 \times 0.5 \times 0.9 \times 0.3 = 310$ hours approx.

6.2 Quantity of grease to add at regular intervals

The **adjusted frequency** F_c is used to determine the **quantity of grease** P (grams) to add via the formula:
 $P = D \times B \times c$, in which:

- D = Bearing outside diameter (mm)
- B = Bearing width (mm)
- c = Coefficient obtained from the following chart



Example for bearing 22212 $D = 110$ mm

$B = 28$ mm

$c = 0,003$

$P = D \times B \times c = 110 \times 28 \times 0,003 = 9$ grams (.3 oz) approx

9 grams (.3 oz) of grease should be added every 310 operating hours

F Failure and damage

1 Introduction

Apart from the normal fatigue phenomenon already explained, numerous factors will sometimes substantially shorten the theoretical bearing life. These factors, which are external to the bearing, will affect its performance and cause premature failure.

It is extremely important to identify the failures found on a given bearing as accurately as possible to be able to find the causes and then remedy them. SNR ROULEMENTS' experts are at your disposal to help you identify the causes of any failure.

2 Typical external causes of bearing failures and their origins

It is difficult to assign a precise cause to a given failure (since the same symptoms may have different origins), but we have learned from experience that the causes can be classified into four major categories:

• Lubrication

- Improper lubricant selection
- Excessive or insufficient quantity
- Improper frequency
- Incorrect location

• Incorrect fitting

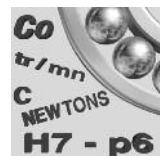
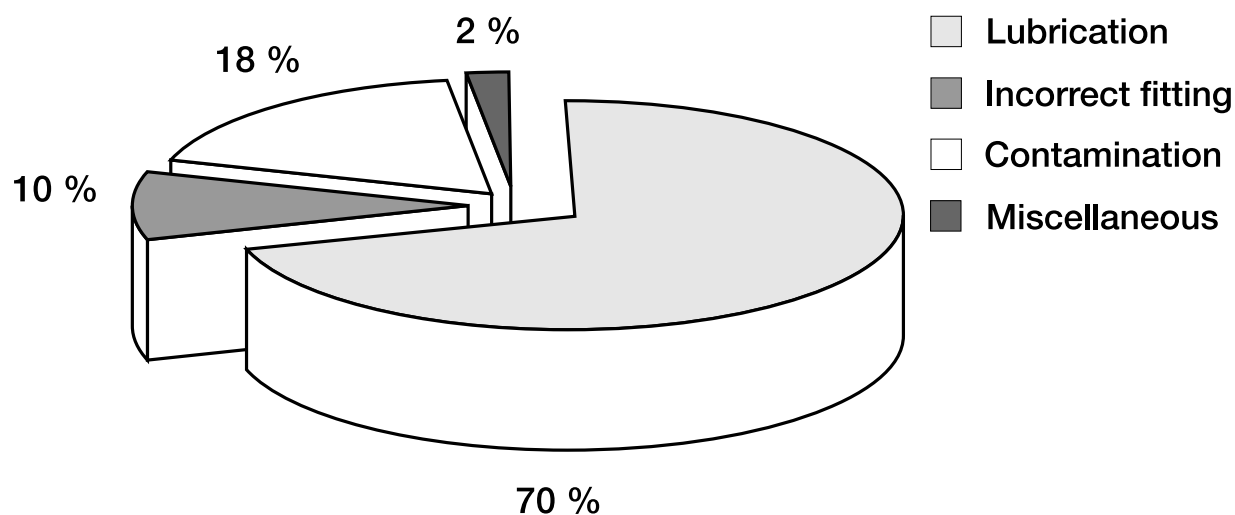
- Careless fitting
- Overheating for thermal expansion
- Improper fits and clearances
- Incorrect fitting on adapter sleeve
- Geometrical defects

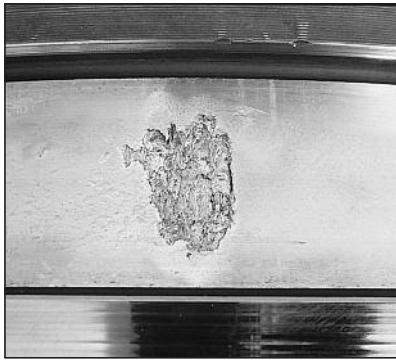
• Contamination

- Ingress of fluid during service use
- Ingress of abrasives during service use
- Ingress of particles during fitting

• Miscellaneous

- Improper settings (e.g. excessive preload)
- Fretting corrosion

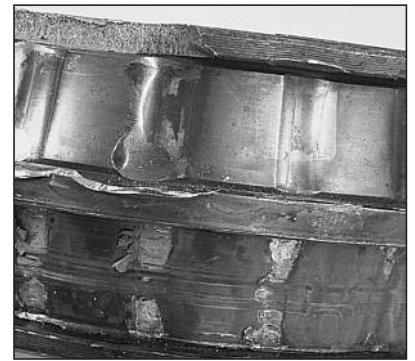




1 Fatigue spalling



2 Surface spalling



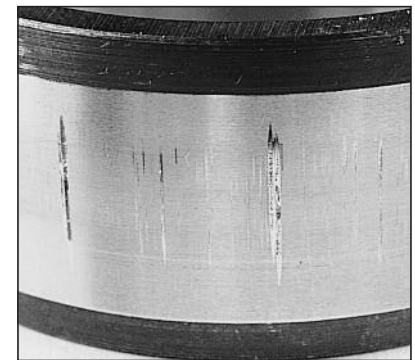
3 Seizing



4 Axial overload



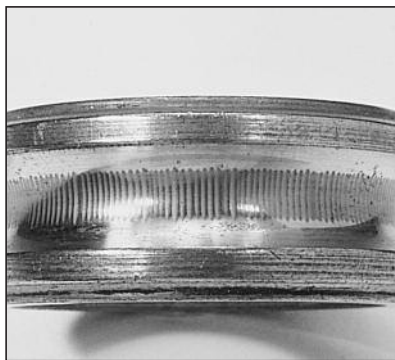
5 Indentations caused by deformation



6 False Brinelling



7 Wear



8 Pitting and fluting



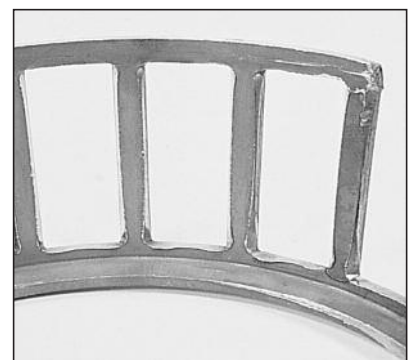
9 Nicks, cracks, fractures



10 Fretting corrosion



11 Corrosion



12 Cage failure

3 Characteristics of main bearing failures

1 Fatigue spalling.

Cracking and removal of material fragments.

2 Surface spalling.

Stains resulting from surface material flaking away.

3 Seizing.

Severe overheating, deformation of rolling elements, metal creep.

4 Axial overload.

Removal of material, abnormally laterally off-set tracks of grinding.

5 Indentations caused by deformation.

Dents on raceways and rolling elements.

6 False Brinelling.

Removal of material by abrasion at the internal contact points of the bearing.

7 Wear.

General wear of the rolling elements, raceways and cage. Grey discoloration.

8 Pitting and fluting.

Pits with sharp edges or sequence of narrow parallel grooves resulting from the leakage of an electric current.

9 Nicks, cracks, fractures.

Impact load dents, removal of surface material, cracks, fracture of rings.

10 Fretting corrosion.

Red or black discoloration of the bearing abutment surfaces, in the bore or on the outside diameter.

11 Corrosion.

Local or total oxidation of the bearing surfaces, both inside and outside.

12 Cage failure.

Distortion, wear, fractures.



Surveillance and preventive maintenance are important, but secondary to the correct bearing selection and fitting practice.

4 Bearing malfunction diagnosis

4.1 Precautions to take when making a diagnosis

Identify all the significant facts noticeable on the bearing and the components next to it, and record them carefully.

Before removal:

- Type and nature of contaminants,
- Condition of the lubricant,
- Operating speed and temperature,
- Type and loss of lubricant.
- Noise.
- Torque.
- Evolution of deterioration.
- Also, record ...

After removal:

Never clean a bearing before inspection. Doing so would prevent to find and identify the foreign particles and to review the condition of the lubricant. To benefit from the SNR expertise in this domain, you may obtain a bearing inspection sheet from your SNR Representative.

- Note the condition of cages and rolling elements.
- Keep track of bearing and ring mounting location.
- Check shaft and housing fits.
- Check the shoulders: perpendicularity, presence of residue, metal-to-metal contact corrosion ...

To benefit from the SNR expertise in this domain, you may obtain a bearing inspection sheet from your SNR Representative.

4.2 Corrective action:

Diagnosis procedure: refer to following table.

ORIGIN		Bearing malfunction diagnosis									
		Fatigue SPALLING	Surface SPALLING	SEIZING	ROLLING ELEMENT INDENTATIONS due to deformation or removal of metal	ROLLING ELEMENT INDENTATIONS due to abrasive wear	WEAR FOREIGN PARTICLE INDENTATIONS	PITTING - FLUTING	NICKS - CRACKS - FRACTURES	FRETTING CORROSION	CORROSION
INSTALLATION											
Lack of care				•		•		•			
Shocks				•				•			•
Shaft or housing defects	•		•					•			•
Fit too tight	•										•
Fit too loose									•		
Misalignment	•										
OPERATION											
Radial overload	•		•			•					•
Axial overload	•										
Vibration					•						
Excessive speed			•								•
ENVIRONMENT											
Temperature too low			•								
Electric current leakage							•				
Water contamination									•		
Dust contamination						•					
LUBRIFICATION											
Inadequate lubrication type			•								•
Insufficient lubrication	•		•								•
Excessive lubrication			•								

4.3 For further information:

The technical document “The SNR Expert Diagnosis” describes and illustrates in detail the identification, causes and remedies of the various types of bearing failures. This document can be obtained upon request from your SNR Representative.

5 On-condition Maintenance

The aim of on-condition maintenance is to predict failures without dismantling machines or stopping production. It involves defining parameters which characterise the equipment's state of health and periodically monitoring changes of said parameters in order to schedule corrective interventions at the optimum time.

The most commonly used techniques in the industry are vibration monitoring, tracking of operating parameters, analysis of lubricants and IR thermography.

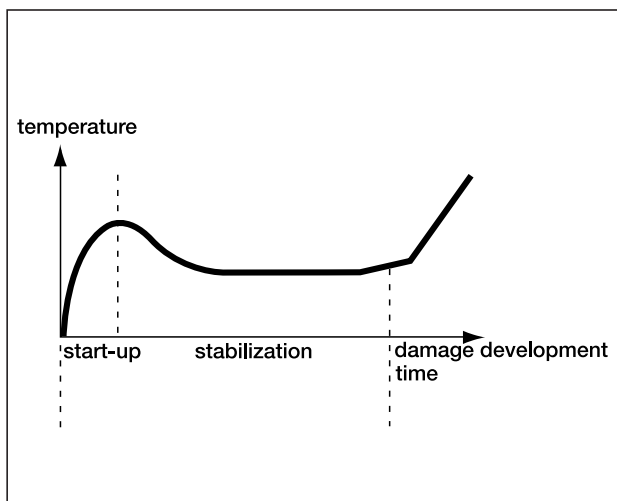
On-condition maintenance offers many economic advantages:

- The incidence of unscheduled production shutdowns is decreased thus increasing equipment availability.
- Reduction of routine shutdowns for maintenance,
- The severity of repairs is limited thus entailing a reduction of intervention costs and an increase in intervention safety.
- Reduction of storage costs for spares procured according to actual requirements,
- Scheduling of maintenance interventions thus allowing improved organisation of the intervening parties and cost reductions.
- Intervention quality improved thanks to targeted actions.
- Employee motivation via valuation of maintenance tasks.

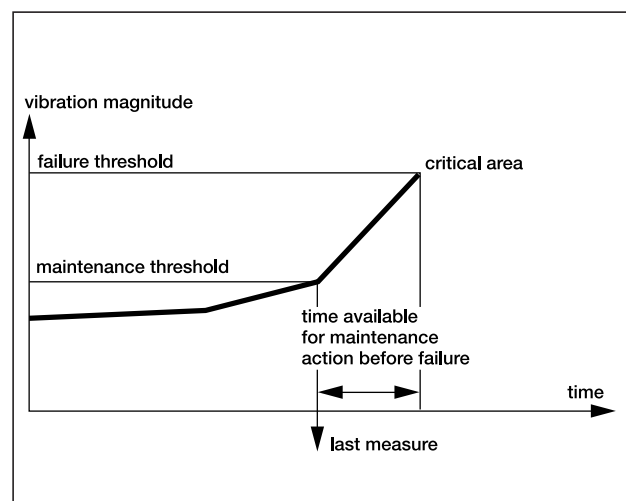
In order to efficiently meet these new maintenance expectations, SNR has developed a range of products and services that allow our clients to cope with all circumstances.



Bearing temperature monitoring



Vibration monitoring



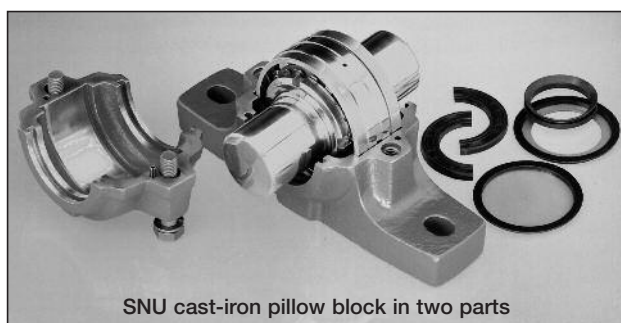
G Housed bearings

1 Use of housed bearings

Housed bearings relieve the manufacturer of the need to machine a housing. They can accommodate significant levels of misalignment.

2 Types of housed bearings

There are two types:



- It comprises a self-aligning ball or roller bearing.
- The fitting procedure with an adapter sleeve is most often used.



- It is fitted with a single-row ball bearing (with a sealed spherical outer ring) that includes a shaft-locking device.

3 SNU cast-iron pillow blocks in two parts

3.1 Description

The dimensions and tolerances of SNU pillow blocks conform to ISO standard 113.

3.2 Associated bearing series

The SNU pillow blocks can be fitted with:

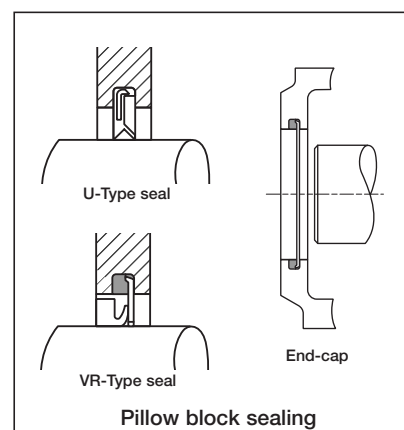
- Self-aligning ball bearings series 12..K, 13..K, 22..K, 23..K
- Self-aligning roller bearings series 213..K, 222..K, 223..K, 232..K

Each cast-iron body of SNU pillow blocks can accept two shaft diameters by only changing the seal corresponding to the bore diameter of the selected bearing. (Consult the appropriate information in Technical Document).

For life and clearance calculations, refer to the SNR Technical Documentation.

3.3 Interchangeability

	Brands			
	SNR	SKF	FAG	RHP
Pillow block designation	SNU	SNH	SNV	SNU
Sealing				
Double-lip seal	U..	TSNA..G	DH	U..
V-Ring seal	VR...	TSNA..A		
End-cap for blind pillow block	OBT...	ASNH		OKV

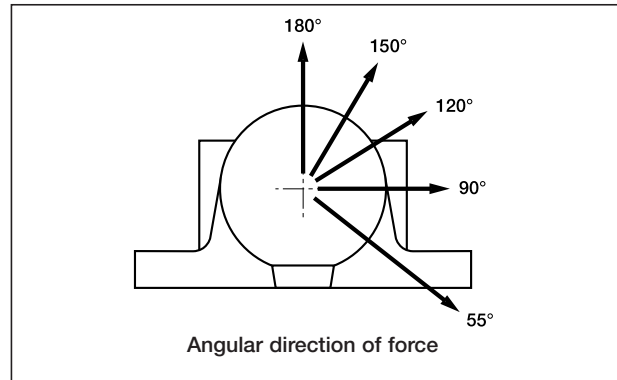


3.4 Mechanical strength

The pillow block mechanical strength is limited by the strength of either the cast-iron body or the cap bolts.

Typical rupture loads are indicated in the following table.

In fact, it is necessary to make allowance for a margin of safety which value depends on the application (refer to the Technical Document that can be obtained upon request).



Pillow block reference	Pillow block rupture load										Yield strength for both assembly bolts						Maximum load recommended for both assembly bolts							
	x 1000 Newtons / x 1000 lbf												x 1000 Newtons / x 1000 lbf						x 1000 Newtons / x 1000 lbf					
	55°		90°		120°		150°		180°		120°		150°		180°		120°		150°		180°			
SNU 506/605	140	31.5	85	19.1	65	14.6	55	12.4	70	15.8	80	18	45	10.1	40	9	30	6.8	15	3.4	13	2.9		
SNU 507/606	160	36	95	21.4	70	15.8	65	14.6	80	18	150	33.8	85	19.1	75	16.9	50	11.3	30	6.8	25	5.6		
SNU 508/607	180	40.5	110	24.8	80	18	70	15.8	90	20.3	150	33.8	85	19.1	75	16.9	50	11.3	30	6.8	25	5.6		
SNU 509	190	42.8	115	25.9	85	19.1	75	16.9	95	21.4	150	33.8	85	19.1	75	16.9	50	11.3	30	6.8	25	5.6		
SNU 510/608	220	49.5	130	29.3	100	22.5	90	20.3	110	24.8	150	33.8	85	19.1	75	16.9	50	11.3	30	6.8	25	5.6		
SNU 511/609	230	51.8	140	31.5	105	23.6	95	21.4	115	25.9	220	49.5	125	28.1	110	24.8	80	18	45	10.1	40	9		
SNU 512/610	250	56.3	150	33.8	110	24.8	100	22.5	125	28.1	220	49.5	125	28.1	110	24.8	80	18	45	10.1	40	9		
SNU 513/611	280	63	170	38.3	125	28.1	110	24.8	140	31.5	220	49.5	125	28.1	110	24.8	80	18	45	10.1	40	9		
SNU 515/612	340	76.5	205	46.1	155	34.9	135	30.4	170	38.3	220	49.5	125	28.1	110	24.8	80	18	45	10.1	40	9		
SNU 516/613	360	81	215	48.4	160	36	145	32.6	180	40.5	220	49.5	125	28.1	110	24.8	80	18	45	10.1	40	9		
SNU 517	400	90	240	54	180	40.5	160	36	200	45	220	49.5	125	28.1	110	24.8	80	18	45	10.1	40	9		
SNU 518/615	460	103.5	280	63	210	47.3	180	40.5	230	51.8	400	90	230	51.8	200	45	170	38.3	100	22.5	85	19.1		
SNU 519/616	480	108	290	65.3	220	49.5	190	42.8	240	54	400	90	230	51.8	200	45	170	38.3	100	22.5	85	19.1		
SNU 520/617	520	117	310	69.8	230	51.8	210	47.3	260	58.5	620	139.5	360	81	310	69.8	260	58.5	150	33.8	130	29.3		
SNU 522/619	620	139.5	370	83.3	280	63	250	56.3	310	69.8	620	139.5	360	81	310	69.8	260	58.5	150	33.8	130	29.3		
SNU 524/620	720	162	430	96.8	320	72	290	65.3	360	81	620	139.5	360	81	310	69.8	260	58.5	150	33.8	130	29.3		
SNU 526	820	184.5	490	110.3	370	83.3	330	74.3	410	92.3	900	202.5	500	112.5	450	101.3	380	85.5	220	49.5	130	29.3		
SNU 528	960	216	570	128.3	430	96.8	390	87.8	480	108	900	202.5	500	112.5	450	101.3	380	85.5	220	49.5	130	29.3		
SNU 530	1110	249.8	660	148.5	490	110.3	440	99	550	123.8	900	202.5	500	112.5	450	101.3	380	85.5	220	49.5	130	29.3		
SNU 532	1300	292.5	780	175.5	580	130.5	520	117	650	146.3	900	202.5	500	112.5	450	101.3	380	85.5	220	49.5	130	29.3		

3.5 Seal selection guide

The type of seal is selected according to the following criteria:

- Speed and temperature
- Permissible misalignment
- Constraints and nature of contamination
- Ease of installation
- Other criteria (environment, etc.)

3.5.1 Speed and temperature

Pillow block specification	Limiting speed
Pillow block with U-type double-lip seal	9 m/s (30 ft/s)
Pillow block with VR seal without axial retention	7 m/s (23 ft/s)
Pillow block with VR seal with axial retention	12 m/s (39 ft/s)
Pillow block with FI (felt) seal	5 m/s (16 ft/s)

3.5.2 Permissible misalignment

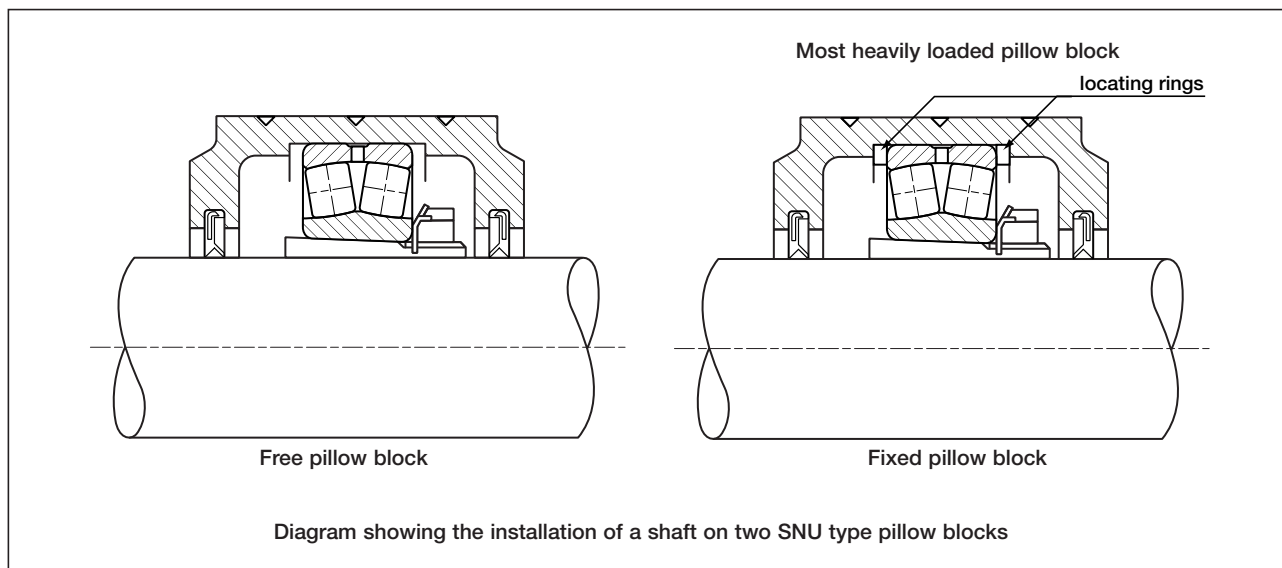
Maximum permissible misalignment			
Shaft diameter	< 50	< 100	larger
U-type double-lip seal	1°	1°	0.5°
VR-type front-lip seal	1.5°	1°	1°
FI felt seal	0.5°	0.5°	0.5°

3.5.3 Other constraints

	U	VR	FI
Ease of fitting	☺	☹	☺
Contamination	☺	☺ ☺	☺
Moist environment	☹	☺ ☺	☹
Shaft wear	☺	☺ ☺	☹

The operating temperature range of these seal types is between -30°C (-20°F) and +110°C (230°F)

3.6 Assembly



To install the shaft on two pillow blocks, first identify the position of the cap and base plate of each pillow block prior to assembly. The most heavily loaded pillow block will ensure axial positioning of the shaft. Install two stabilizing rings in this pillow block to immobilize the bearing axially in its housing (fixed pillow block). Center the bearing of the other pillow block in its housing to allow it to float axially in both directions (free pillow block).

Fit the bearings on the shaft via an adapter sleeve. After fitting, check that the bearings still have a sufficient residual clearance. Tighten the base plate bolts onto the corresponding support at the end of the assembly procedure only. Before that, verify the correct position of the floating bearing in its pillow block, i.e. in the center of the housing (refer to SNR technical documentation).

3.7 Disassembly (replacement of bearings)

- Duly identify the caps and base plates of the pillow blocks before taking them apart to avoid mixing of components.
- Remove and discard the seals.
- Clean the shaft and mark the position of the sleeve (record the measurement).
- Remove the stabilizing rings.
- Once identified, release the lockwasher tab from its locknut slot.
- Place the shaft on V-chocks and remove the locknut, lockwasher, bearing and sleeve.

Discard worn parts after recording the exact bearing references.

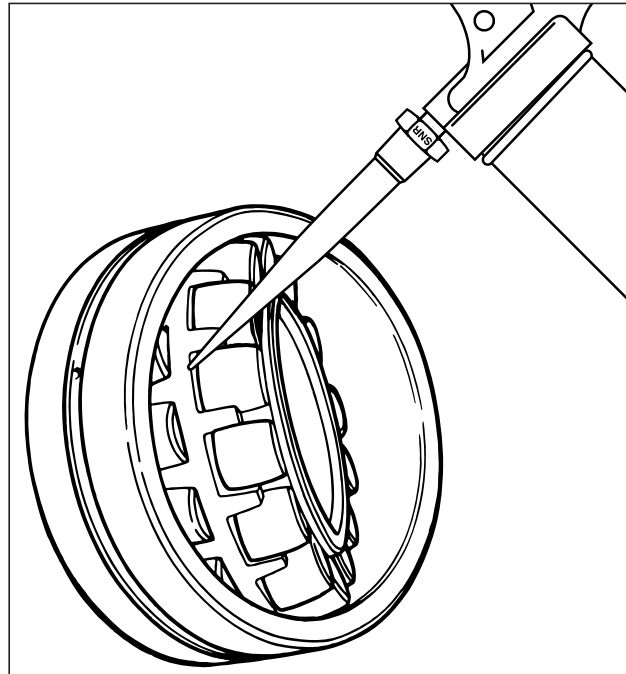
Refer to assembly for next operations.

3.8 Lubrication

Initial lubrication:

It is important to saturate the bearing with grease before installing it in the pillow block by pivoting one ring in relation to the other and packing with grease the whole space between the two rows of rolling elements.

Fill the free space at the lower part of the pillow block on each side of the bearing. Do not fill the cap. For pillow blocks fitted with double-lip seals, apply a bead of grease between the lips.

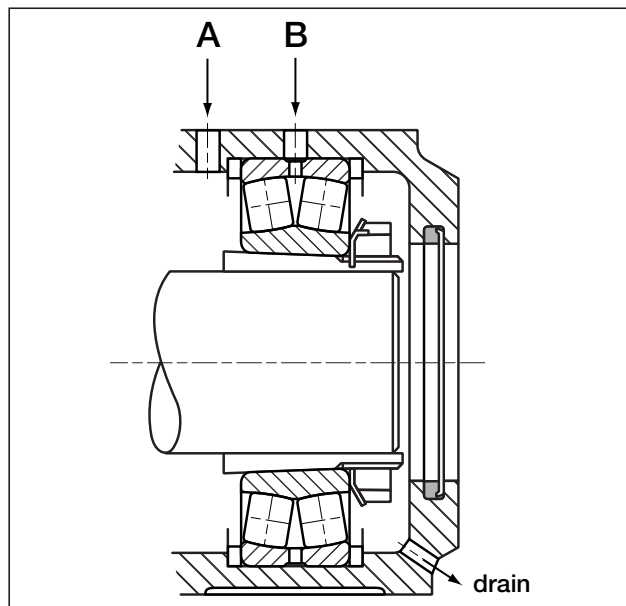


Relubrication:

For applications requiring regular regreasing, a threaded hole compatible with the grease nozzle or SNR automatic lubricator size should be provided.

Grease drainage:

Depending on the application, a grease drain hole may be required. For side hole relubrication (position A), the drain hole should be located on the opposite side, i.e. on the same side as the sleeve locknut. For central relubrication (position B), two drain holes should be provided on either side of the bearing.



4 Self-aligning bearing units

4.1 Description

SNR, a leader in bearing design and manufacture, has launched its new line of self-aligning ball bearing mounted units. With over 6,000 part numbers, this product line - available in grey cast iron, pressed steel, stainless steel or thermoplastic material - is one of the largest in the market. Included in this line are five bearing insert types, four types of unit retention features, various protective covers and appropriate sealing systems, as well as specific surface treatments if required.

This product line is set apart by its tremendous diversity. SNR grey cast iron mounted units are available in series that are compatible with standard European and Asian dimensions.

HOUSINGS			
CAST IRON	PRESSED STEEL	STAINLESS STEEL	THERMOPLASTIC
Pillow Block	Pillow Block	Pillow Block	Pillow Block
Flanged	Flanged	Flanged	Flanged
Take-Up Unit	Take-Up Unit	Take-Up Unit	
Hanger			
Cartridge			
Passivated and blue painted surface	Zinc-plated	Stainless steel AISI 300	PBT resin (polybutylene terephthalate)

BEARINGS			
CAST IRON	PRESSED STEEL	STAINLESS STEEL	THERMOPLASTIC
Single row radial contact 100 Cr6 steel insert bearing. Relubricatable (suffix G2). Riveted two-piece steel plate cages. Radial clearance C3. Sealed or protected by additional stainless steel slingers (UC - EX - UK), or sealed without additional stainless steel slingers (US - ES) pre-lubricated. Metric or inch size series. Fixing to the shaft is by means of set screws, eccentric locking collar, adapter sleeve (suffix + H) or press fitting (62.. SEE non relubricatable).		Single row radial contact stainless steel insert bearing. Relubricatable. Stainless steel cage. Metric or inch size series. Radial clearance C0. Sealed or protected by additional stainless steel slingers, pre-lubricated with a grease classified H1 in accordance with the recommendations of the USDA). Fixing to the shaft is by means of set screws, eccentric locking collar.	

LUBRICATOR			
CAST IRON	PRESSED STEEL	STAINLESS STEEL	THERMOPLASTIC
Equipped in standard with a zinc-plated lubricator.	Without lubricator.	Equipped in standard with a stainless steel lubricator.	Equipped in standard with a stainless steel lubricator.

PROTECTION

CAST IRON	PRESSED STEEL	STAINLESS STEEL	THERMOPLASTIC
Open or closed protective caps made of stainless steel (SCC - SCO), on demand. Groove in housing required for fixing protective caps (suffix N).	No protection.	Open or closed protective caps made of stainless steel (SCC - SCO), on demand.	Open or closed protective caps made of plastic (SCC - SCO), on demand.

COMMENTS

CAST IRON	PRESSED STEEL	STAINLESS STEEL	THERMOPLASTIC
<p><u>Cast iron housing:</u> Surface treatment: zinc-plated housing surface (suffix PZ) or nickel-plated housing surface (suffix PN). Material: nodular graphite iron or cast steel. Look: other colours available.</p>			

100Cr6 steel insert bearings:

- larger radial clearance C4.
- equipped with triple seals (suffix L3).
- operating temperature up to +200°C (suffix T20).
- operating temperature down to -40°C (suffix T04).

SNR also places at your disposal insert bearings with cylindrical outside diameter (CUC-CUS-CES-CEX series).



Insert bearings for self-aligning bearing units

UC200	UC300	SUC200	MUC200	US200	ES200	SES200	EX200	EX300	UK200+H
UK300+H	PE	PLE	P(Cast Iron)	PH	PAE	PG	PA(Cast Iron)	PP	P(Stainless Steel)
PA(Stainless Steel)	GNP	FE	F(Cast Iron)	FS	FCE	FC	FEE	FTE	FLE
FL	FLZ	FD	FAE	FA	PF	PFL	PFT	PFE	F(Stainless Steel)
FL(Stainless Steel)	GSF	GSFT	T(Cast Iron)	T+WB	SP	C	EHE	T(Stainless Steel)	

SNR Range of self-aligning bearing units

Inserts Bodies		UC200	UC300	SUC200	MUC200	US200	ES200	SES200	EX200	EX300	UK200+H	UK300+H	Protection	
Pillow Blocks	Cast Iron	PE	UCPE				USPE	ESPE		EXPE		UKPE+H		CC/CO
		PLE	UCPLE				USPLE	ESPLE	EXPLE		UKPLE+H		CC/CO	
		P	UCP	UCP			USP	ESP		EXP	EXP	UKP+H	UKP+H	CC/CO
		PH	UCPH				USPH	ESPH		EXPH		UKPH+H		CC/CO
		PAE	UCPAE				USPAE	ESPAE	EXPAE		UKPAE+H			CC/CO
		PG	UCPG				USPG	ESPG		EXPG		UKPG+H		CC/CO
		PA	UCPA				USPA	ESPA		EXPA		UKPA+H		
	Pressed Steel	PP				USPP	ESPP							
	Stainless Steel	P			SUCP				SESP					CC/CO
		PA			SUCPA				SESPA					CC/CO
Thermo-plastic	GNP				GNP								CF/CV	
Flanged units	Cast Iron	FE	UCFE				USFE	ESFE		EXFE		UKFE+H		CC/CO
		F	UCF	UCF			USF	ESF		EXF	EXF	UKF+H	UKF+H	CC/CO
		FS		UCFS			USFS	ESFS			EXFS		UKFS+H	
		FCE	UCFCE				USFCE	ESFCE		EXFCE			UKFCE+H	
		FC	UCFC				USFCE	ESFCE	EXFC		UKFC+H			CC/CO
		FEE					USFEE	ESFEE						
		FTE					USFTE	ESFTE						
		FLE	UCFLE				USFLE	ESFLE	EXFLE		UKFLE+H			CC/CO
		FL	UCFL	UCFL			USFL	ESFL		EXFL	EXFL	UKFL+H	UKFL+H	CC/CO
		FLZ	UCFLZ				USFLZ	ESFLZ		EXFLZ		UKFLZ+H		
	FD					USFD	ESFD							
	FAE					USFAE	ESFAE							
	FA	UCFA				USFA	ESFA		EXFA		UKFA+H		CC/CO	
	Pressed Steel	PF					USPF	ESPF						
		PFL					USPFL	ESPFL						
		PFT					USPFT	ESPFT						
	Stainless Steel	PFE					USPFE	ESPFE						
F				SUCF				SESF					CC/CO	
	FL			SUCFL				SESFL					CC/CO	
Thermo-plastic	GSF				GSF								CF/CV	
	GSFT				GSFT								CF/CV	
Take-up units, hanger units, carriage	Cast Iron	T	UCT				UST	EST		EXT		UKT+H	UKT+H	CC/CO
		T+WB	UCT+WB			UST+WB	EST+WB		EXT+WB		UKT+H+WB			CC/CO
		SP	UCSP				USSP	ESSP		EXSP		UKSP+H		CC/CO
		C	UCC				USC	ESC		EXC		UKC+H	UKC+H	
		EHE	UCEHE				USEHE	ESEHE	EXEHE		UKEHE+H			
	Stainless Steel	T			SUCT				SEST					CF/CV

H Storage

Bearings must be stored in a clean and dry place. Certain rules must be observed to maintain the bearing original quality.

1 Packaging

Bearings are wrapped and packaged by SNR under carefully controlled conditions :

- They are assembled in air-conditioned and dust-free facilities.
- They are coated with a rust-inhibiting protective oil that is compatible with all current lubricants.
- A greaseproof wrapping further improves rust protection.
- The individual carton box completes the protection.

Bearings must be stored in their original packing, which should be opened just prior to installation.



2 Storage conditions

The following are the normal storage conditions: general cleanliness, a dust-free and non-corrosive atmosphere, recommended temperature: 18 to 20°C (65 to 70°F), maximum humidity : 65%. For storage in extreme climatic conditions, additional special-purpose packaging will be necessary (tropical packing).

Avoid using wooden shelves. Store at a distance of at least 30 cm (1 foot) from the floor, the walls and heating ducts. Avoid exposure to direct sunlight. Store the boxes flat. Do not stack them too high. Arrange boxes so that the bearing reference number can be read without having to move the boxes.

Storage life

Standard individual packaging of SNR bearings is designed to provide a long shelf life under normal storage conditions in covered facilities, provided that the packing has never been opened, changed or damaged.

Special-purpose packaging intended for products shipped to OEMs is only suitable for a rapid usage of the products. It will not provide as long a storage life.

SNR prefixes and suffixes

PREFIXES	SUFFIXES	TYPES OF BEARINGS OR OTHER PRODUCTS	DESCRIPTION
	0	High Precision angular contact ball bearing	• Zero preload code
	2	High Precision angular contact ball bearing	• ISO 2, ABEC 9, DIN P2 precision codes
	3	High Precision angular contact ball bearing	• NF3 precision code
	4	High Precision angular contact ball bearing	• ISO 4, ABEC 3, DIN P4 precision codes
	7	High Precision angular contact ball bearing	• Light preload code
	8	High Precision angular contact ball bearing	• Medium preload code
	9	High Precision angular contact ball bearing	• Heavy preload code
	2RS	Thin section deep groove ball bearing	• Seals at both side, steel cage
	2Z	Thin section deep groove ball bearing	• Shields at both side, steel cage
	A	Single row deep groove ball bearing	• Increase capacity
	A	Double row angular contact ball bearing	• No filling slot, glass fiber reinforced polyamide cage
	A	Tapered roller bearing	• Maximum capacity
	A M**	Tapered roller bearing	• Maximum capacity with special characteristic
	A1	Single row angular contact ball bearing	• Separable bearing
AB		Single row deep groove ball bearing	• Special bearing
AH/AHX		Withdrawal sleeve	• Withdrawal sleeve
AOH		Withdrawal sleeve	• Withdrawal sleeve for oil injection
AP		Ball thrust bearing	• Special bearing
AT		Spherical roller bearing	• Special bearing
	B	Single row angular contact ball bearing	• 40° contact angle
	B	Double row angular contact ball bearing	• 32° contact angle
	B	Tapered roller bearing	• Wide angle
	B A	Tapered roller bearing	• Wide angle with maximum capacity
BA		Stabilizing ring	• For SNU pillow block
	B A C**	Tapered roller bearing	• Wide angle , maximum capacity with special characteristic
	B C	Tapered roller bearing	• Wide angle, conform to ISO
	B C**	Tapered roller bearing	• Wide angle, special characteristic
	B Q C**	Tapered roller bearing	• Wide angle, non ISO dimensions, special characteristic
	B22	Tapered roller bearing	• Internal modification
	BA	Single row angular contact ball bearing	• 40° contact angle, polyamide cage
	BG	Single row angular contact ball bearing	• Universal bearing, 40° contact angle
	BGA	Single row angular contact ball bearing	• Universal bearing with clearance, 40° contact angle, polyamide cage
BP		Ball thrust bearing	• Special bearing
	C	High Precision angular contact ball bearing	• 15° contact angle
	C	Tapered roller bearing	• Conform to ISO
	C2	Spherical roller bearing	• Radial clearance less than Normal
	C3	Spherical roller bearing	• Radial clearance greater than Normal
	C3	Insert bearing for bearing units	• Radial clearance greater than Normal
	C4	Spherical roller bearing	• Radial clearance greater than C3
	C4	Insert bearing for bearing units	• Radial clearance greater than C3
	C5	Spherical roller bearing	• Radial clearance greater than C4
	CC	Protector	• Stainless steel closed protector for bearing unit
	CO	Protector	• Stainless steel opened protector for bearing unit
CES		Insert bearing for bearing units	• Insert-bearing with cylindrical outer diameter and inner ring extended at one side, mounting on shaft using eccentric locking collar, seal at both side
CEX		Insert bearing for bearing units	• Insert-bearing with cylindrical outer diameter and inner ring extended at both side, mounting on shaft using eccentric locking collar, seal and external slinger at both side
CH		High Precision angular contact ball bearing	• Hybrid bearing, steel rings and ceramic balls
CM		Tapered roller bearing	• Cone with cage and rolling elements
CML		Tapered roller bearing	• Inch cone with cage and rolling elements "light series" (AFBMA)
CUC		Insert bearing for bearing units	• Insert-bearing with cylindrical outer diameter and inner ring extended at both side, mounting on shaft using set screws, seal and external slinger at both side
CUS		Insert bearing for bearing units	• Insert-bearing with cylindrical outer diameter and inner ring extended at one side, mounting on shaft using set screws, seal at both side
	D	High Precision angular contact ball bearing	• Lubricated bearing
	D**	High Precision angular contact ball bearing	• Special grease
	DB	High Precision angular contact ball bearing	• Two paired bearings, back-to-back arrangement
	DF	High Precision angular contact ball bearing	• Two paired bearings, face-to-face arrangement
	DT	High Precision angular contact ball bearing	• Two paired bearings, Tandem arrangement

(*) (**) (***) : Numerical values

PREFIXES	SUFFIXES	TYPES OF BEARINGS OR OTHER PRODUCTS	DESCRIPTION
EC	DU	High Precision angular contact ball bearing	• Pair of universal bearings
	E	Spherical roller bearing	• "PREMIER" range, optimized version
	E	Cylindrical roller bearing	• Increased load capacity
	E	Spherical roller thrust bearing	• Spherical roller thrust bearing, steel cage
	E	All types of bearings	• Nitril seal at one side
	E22GY4	Single row deep groove ball bearing	• Special bearing
	EA	Spherical roller bearing	• "PREMIER" range, optimized version, steel cage
		Tapered roller bearing	• Special bearing
	ECG	Insert bearing for bearing units	• Insert-bearing for bearing unit with inner ring extended at one side, mounting on shaft using eccentric locking collar, seal at both side
		EE	All types of bearings
	EE10	Single row deep groove ball bearing	• Double-lip seal at both side
	EF800	Spherical roller bearing	• "PREMIER" range, optimized version, massive cage, vibrating screen applications
	EF801	Spherical roller bearing	• "PREMIER" range, optimized version, massive cage, vibrating screen applications
	EF802	Spherical roller bearing	• "PREMIER" range, optimized version, massive cage, vibrating screen applications
	EG15	Spherical roller bearing	• "PREMIER" range, optimized version, polyamide cage
	EM	Spherical roller bearing	• "PREMIER" range, optimized version, massive cage
ES		Insert bearing for bearing units	• Insert-bearing for bearing unit with inner ring extended at one side, mounting on shaft using eccentric locking collar, seal at both side
EX		Insert bearing for bearing units	• Insert-bearing for bearing unit with inner ring extended at both side, mounting on shaft using eccentric locking collar, seal and external slinger at both side
	F***	Single row deep groove ball bearing	• Special application
	F600	Single row deep groove ball bearing	• "TOPLINE" range, for very high temperature, kiln car application
	F603	Single row deep groove ball bearing	• "TOPLINE" range, for very high temperature, kiln car application with lubricant
	F604	Single row deep groove ball bearing	• "TOPLINE" range, for very high temperature, shield at both side, kiln car application with lubricant
	F700	Single row deep groove ball bearing	• Special bearing for high speeds
FB		Double row angular contact ball bearing	• Special bearing
FC		Tapered roller bearing	• Special bearing
FR		Cylindrical roller bearing	• Special bearing
	FT150	Single row deep groove ball bearing	• "TOPLINE" range, operating temperature up to 150°C, high temperature seal at both side, steel cage
	FT150ZZ	Single row deep groove ball bearing	• "TOPLINE" range, operating temperature up to 150°C, shield at both side, steel cage
	G	Withdrawal sleeve	• Threading conform to ISO 2982-1
	G** S**	Cylindrical roller bearing	• Special characteristics
	G14	All types of bearings	• Polyamide cage
	G15	All types of bearings	• Glass fiber reinforced polyamide cage
	G2	Insert bearing for bearing units	• Lubricating system
GB		Double row angular contact ball bearing	• Special bearing
GNU		Cylindrical roller bearing	• Double-row cylindrical roller bearing
	H	High Precision angular contact ball bearing	• 25° contact angle
H		Adapter sleeve	• Adapter sleeve
	H	Adapter sleeve	• Adapter sleeve with for oil injection
	H206	Tapered roller bearing	• High life performance, low torque, precision class to ISO 6X Standard
HM/HML		Withdrawal sleeve	• Withdrawal nut
	HT200	Single row deep groove ball bearing	• "TOPLINE" range, operating temperature up to 200°C, high temperature seal at both side, steel cage
	HT200ZZ	Single row deep groove ball bearing	• "TOPLINE" range, operating temperature up to 200°C, shield at both side, steel cage
	HVZZ	Single row deep groove ball bearing	• "TOPLINE" range, operating speed up to 700 000 Ndm, shield at both side
	J	High Precision angular contact ball bearing	• Non-significant letter preceding the preload and accuracy codes
	J20	All types of bearings	• C2 clearance, standard precision class
	J30	All types of bearings	• C3 clearance, standard precision class
	J40	All types of bearings	• C4 clearance, standard precision class
	J50	All types of bearings	• C5 clearance, standard precision class



(*) (**) (***) : Numerical values

SNR prefixes and suffixes

PREFIXES	SUFFIXES	TYPES OF BEARINGS OR OTHER PRODUCTS	DESCRIPTION
JHM		Tapered roller bearing	• Metric cone and cup, AFBMA "heavy/medium" series
JL		Tapered roller bearing	• Metric cone and cup, AFBMA "light" series
JLM		Tapered roller bearing	• Metric cone and cup, AFBMA "medium/light" series
JTU		Cast iron pillow block	• Double-lip seal for SNU 5** and SNU 6** cast iron pillow blocks
JTVR		Cast iron pillow block	• VR-type seal for SNU 5** and SNU 6** cast iron pillow blocks
	JX0	Single row deep groove ball bearing	• Special internal clearance, standard précision class
	K	All types of bearings	• 1:12 tapered bore
	K30	Spherical roller bearing	• 1:30 tapered bore
KM		Withdrawal sleeve	• Notched locknut
	L3	Insert bearing for bearing units	• Triple-lip seal
L		Single row angular contact ball bearing	• "Magneto" type bearing, positive outside diameter tolerance
LM		Tapered roller bearing	• Inch cone and cup, "medium/light" series (AFBMA)
LN		Single row angular contact ball bearing	• "Magneto" type bearing, negative outside diameter tolerance
	LT	Single row deep groove ball bearing	• "TOPLINE" range, operating temperature down to - 40°C, seal at both side, steel cage
	LTZZ	Single row deep groove ball bearing	• "TOPLINE" range, operating temperature down to - 60°C, shield at both side, steel cage
	M	All types of bearings	• Machined brass cage, centered on the rolling elements
	M**	All types of bearings	• Noise tested
	MA	All types of bearings	• Machined brass cage, centered on the outer ring
	MB	All types of bearings	• Machined brass cage, centered on the inner ring
MB		Lock washer	• Lock washer for locknut
ML		High Precision angular contact ball bearing	• "MACHLINE" range, High Precision angular contact ball bearing for High Speed
MLCH		High Precision angular contact ball bearing	• "MACHLINE" range, Hybrid High Precision angular contact ball bearing for High Speed
MLE		High Precision angular contact ball bearing	• "MACHLINE" range, High Precision angular contact ball bearing for High Speed, no-contact seal at both side
MLECH		High Precision angular contact ball bearing	• "MACHLINE" range, Hybrid High Precision angular contact ball bearing for High Speed, no-contact seal at both side
MS		Lock washer	• Locking clip for sleeve
MUC		Insert bearing for bearing units	• Stainless steel insert-bearing for thermoplastic bearing unit, inner ring extended at both side, mounting on shaft using set screws, seal and external slinger at both side
	N	All types of bearings	• Snap ring groove on the outer ring, ISO standard
N		Cylindrical roller bearing	• Outer ring without shoulder, inner ring with two shoulders
	N2	Single row angular contact ball bearing	• Locating notches on the outer ring
NJ		Cylindrical roller bearing	• Outer ring with two shoulders, inner ring with one shoulder
	NR	All types of bearings	• Snap ring groove and snap ring on the outer ring, ISO standard
NU		Cylindrical roller bearing	• Outer ring with two shoulders, inner ring without shoulder
NUP		Cylindrical roller bearing	• Outer ring with two shoulders, inner ring with one shoulder and loose ring
	P6X	Tapered roller bearing	• Precision class ISO 6X Standard
OBT		End cap	• End cap for shaft-end pillow block, SNU 5** and SNU 6** series
	Q16	High Precision angular contact ball bearing	• Set of 3 paired bearings, same contact angle
	Q18	High Precision angular contact ball bearing	• Set of 4 paired bearings, same contact angle
	Q21	High Precision angular contact ball bearing	• Set of 4 paired bearings, same contact angle
	Q30	High Precision angular contact ball bearing	• Set of 3 paired bearings, different contact angle
	Q34	High Precision angular contact ball bearing	• Set of 2 paired bearings, different contact angle
	Q53	High Precision angular contact ball bearing	• Set of 3 universal bearings
	Q54	High Precision angular contact ball bearing	• Set of 4 universal bearings
QJ		Single row angular contact ball bearing	• Single-row 4-point contact angle bearing
	QR	Single row deep groove ball bearing	• Non ISO Standard dimensions
	QT1	Single row deep groove ball bearing	• Non ISO Standard dimensions
	R	Tapered roller bearing	• Special chamfer
RN		Cylindrical roller bearing	• N type without outer ring
RNU		Cylindrical roller bearing	• NU type without inner ring
	R S**	Cylindrical roller bearing	• Non ISO Standard dimensions
	RSC	Cylindrical roller bearing	• Non ISO Standard dimensions, no cage
	S**	All types of bearings	• Internal modification
	SC	Cylindrical roller bearing	• Without cage

(*) (**) (***) :Numerical values

PREFIXES	SUFFIXES	TYPES OF BEARINGS OR OTHER PRODUCTS	DESCRIPTION
SES		Insert bearing for bearing units	<ul style="list-style-type: none"> Stainless steel insert-bearing for thermoplastic bearing unit, inner ring extended at one side, mounting on shaft using eccentric locking collar, seal and external slinger at both side
SNS		Cast iron pillow block	<ul style="list-style-type: none"> Split cast-iron pillow block, replaced by SNU type Split cast-iron pillow block
SNU		Cast iron pillow block	
	SQ EE	Single row deep groove ball bearing	<ul style="list-style-type: none"> Non-ISO dimensions, seal at both side
SUC		Insert bearing for bearing units	
	T	Withdrawal sleeve	<ul style="list-style-type: none"> Removal nut with trapezoid thread screw
	T	All types of bearings	
T		Tapered roller bearing	<ul style="list-style-type: none"> Flanged outside diameter, conform to ISO Standard ISO 355 series
	T04	Insert bearing for bearing units	
	T20	Insert bearing for bearing units	<ul style="list-style-type: none"> Insert-bearing for bearing unit operating temperature down to -40°C Insert-bearing for bearing unit operating temperature up to 200°C
TGB		Double row angular contact ball bearing	
TJ		Single row angular contact ball bearing	<ul style="list-style-type: none"> Special bearing with split inner ring Special bearing Polyamide cage
	TNH/TNHB	Thin section deep groove ball bearing	
	U	High Precision angular contact ball bearing	<ul style="list-style-type: none"> Universal bearing Special characteristics
	UA	Tapered roller bearing	
UC		Insert bearing for bearing units	<ul style="list-style-type: none"> Insert-bearing for bearing unit with inner inner extended at both side, mounting on shaft using set screws, seal and external slinger at both side
UK		Insert bearing for bearing units	<ul style="list-style-type: none"> Insert-bearing for bearing unit with tapered inner, mounting on shaft using adapter sleeve , seal and external slinger at both side
US		Insert bearing for bearing units	<ul style="list-style-type: none"> Insert-bearing for bearing unit with inner extended at one side, mounting on shaft using set screws, seal at both side
	V	High Precision angular contact ball bearing	<ul style="list-style-type: none"> High performance bearing, phenolic cage centered on the outer ring
	V	Spherical roller bearing	
	V G**	Cylindrical roller bearing	<ul style="list-style-type: none"> Internal design, steel cage Increased capacity, special characteristics Increased capacity, high life performance
	V H100	Tapered roller bearing	
	V H106	Tapered roller bearing	<ul style="list-style-type: none"> Increased capacity, high life performance, precision class to ISO 6X Standard
	V* QT	Tapered roller bearing	<ul style="list-style-type: none"> Non-ISO dimensions
	VM	Spherical roller bearing	
	W33	Spherical roller bearing	<ul style="list-style-type: none"> Internal design, massive brass cage Lubrication groove and holes on the outer ring
	W34	Spherical roller bearing	
	WNF210	Cylindrical roller bearing	<ul style="list-style-type: none"> Lubrication groove on the outer ring Internal modification, full complement
	X	High Precision angular contact ball bearing	
	X	Adapter sleeve	<ul style="list-style-type: none"> Special preload code Conform to ISO Standard
	XX10	Single row deep groove ball bearing	
	Y	Thin section deep groove ball bearing	<ul style="list-style-type: none"> Non-contact seal at both side Metalic cage
	Z	All types of bearings	
	ZES	Single row deep groove ball bearing	<ul style="list-style-type: none"> Shield at on side Insert-bearing for bearing unit with seal and external slinger at both side
	ZZ	All types of bearings	
**Y		All types of bearings	<ul style="list-style-type: none"> Shield at both sides Special heat treatment
Y**		All types of bearings	



(*) (**) (***) :Numerical values

Competitor prefixes and suffixes and SNR equivalent

PREFIXES	SUFFIXES	MANUFACTURERS	TYPES OF PRODUCTS	DESCRIPTION	SNR PREFIX	SNR SUFFIX
10..	DECG	RHP	Insert bearing for bearing units	• Insert bearing for bearing units	EX	G2
10..	G	RHP	Insert bearing for bearing units	• Insert bearing for bearing units	UC	G2
10..	KG	RHP	Insert bearing for bearing units	• Tapered bore insert bearing for bearing units		
12..	ECG	RHP	Insert bearing for bearing units	• Insert bearing for bearing units	ES	G2
12..	G	RHP	Insert bearing for bearing units	• Insert bearing for bearing units	US	G2
2MM		FAFNIR	High Precision angular contact ball bearing	• Precision conform to ABEC 7 - 15° contact angle		C J*4
3MM		FAFNIR	High Precision angular contact ball bearing	• Precision conform to ABEC 7 - 25° contact angle		H J*4
45C		KOYO	Tapered roller bearing	• Face-to-face paired bearings		DB
46C		KOYO	Tapered roller bearing	• Back-to-back paired bearings		DF
A		FAFNIR	Single-row radial contact ball bearing	• Stainless steel bearing	S	
AEL	W3	NTN	Insert bearing for bearing units	• Insert bearing for bearing units	ES	G2
AH		FAG/SKF	Sleeves	• Withdrawal sleeve	AH	
AHX		FAG/NSK/SKF	Sleeves	• Withdrawal sleeve	AHX	
AL		NSK/NTN/KOYO	Locking clip	• Locking clip for sleeve	MS	
AN		NSK/NTN/KOYO	Lock nut	• Lock nut for sleeves	KM	
AOH		SKF	Sleeves	• Withdrawal sleeve for oil injection	AOH	
AS		NTN	Insert bearing for bearing units	• Insert bearing for bearing units	US	G2
AW		NTN	Locking washer	• Locking washer for sleeve	MB	
AW	X	NSK	Locking washer	• Locking washer for sleeve	MB	
EN		NSK	Insert bearing for bearing units	• Insert bearing for bearing units	ES	G2
EW		NSK	Insert bearing for bearing units	• Insert bearing for bearing units	EX	G2
F		FAFNIR/FAG/ GMN/INA		• Flanged outer ring		T
F-UC2..	D1/LP03	NTN	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	MUC	FD
F-UC2..	D1/LP03	NTN	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	SUC	
GAY	NPPB	INA	Insert bearing for bearing units	• Insert bearing for bearing units	US	G2
GE	KRRB	INA	Insert bearing for bearing units	• Insert bearing for bearing units	EX	G2
GRAE	NPPB	INA	Insert bearing for bearing units	• Insert bearing for bearing units	ES	G2
GYE	KRRB	INA	Insert bearing for bearing units	• Insert bearing for bearing units	UC	G2
GYE	KRRB VA	INA	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	SUC	
H		FAG/NTN/NSK/SKF	Sleeves	• Adapter seeve	H	
H	HG	FAG	Sleeves	• Adapter sleeve for oil injection	H	H
J		FAFNIR		• Clearance code, greater than C3		J40
J10..	GCR	NSK/RHP	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	SUC	
KM		SKF	Lock nut	• Lock nut for sleeves	KM	
KTM		SKF	Precision lock nut	• Precision lock nut	B	
KTM		SKF	Precision lock nut	• Precision lock nut	BP	
KTM		SKF	Precision lock nut	• Precision lock nut	BR	
KTM		SKF	Precision lock nut	• Precision lock nut	BPR	
KTMA		SKF	Precision lock nut	• Precision lock nut	TB	
KTMA		SKF	Precision lock nut	• Precision lock nut	TBP	
KTMA		SKF	Precision lock nut	• Precision lock nut	TBR	
KTMA		SKF	Precision lock nut	• Precision lock nut	TBPR	
LM		SKF	Tapered roller bearing	• Inch cone and cup, AFBMA "medium/light" series	LM	
M		FAFNIR		• Precision conform to ABEC 3 - ISO 6		J*6
MB		SKF/FAG	Locking washer	• Locking washer for sleeve	MB	
MM		FAFNIR		• Precision conform to ABEC 7 - ISO 4		J.4
MS		SKF/FAG	Locking clip	• Locking clip for sleeve	MS	
N		FAG/INA/NSK/ NTN/SKF	Cylindrical roller bearing	• Outer ring without shoulder, inner with 2 shoulders	N	
NA		KOYO	Insert bearing for bearing units	• Insert bearing for bearing units	EX	G2
NJ		FAG/INA/NSK/NTN/ SKF/TORRINGTON	Cylindrical roller bearing	• Outer ring with 2 shoulders, inner with 1 shoulder	NJ	
NU		FAG/INA/NSK/NTN/ SKF/TORRINGTON	Cylindrical roller bearing	• Outer ring with 2 shoulders, inner without shoulder	NU	
NUP		FAG/INA/NSK/NTN/ SKF/TORRINGTON	Cylindrical roller bearing	• Outer ring with 2 shoulders, inner with 1 shoulder and loose ring	NUP	
OH	H	SKF	Sleeves	• Adapter sleeve for oil injection	H	H
P		FAFNIR		• Clearance code, greater than normal		J30
QJ		FAG/INA/NSK/NTN/ SKF/TORRINGTON	4-point contact ball bearing	• 4-point contact ball bearing	QJ	
S	W203B	FAG	Single-row radial contact ball bearing	• Stainless steel bearing	S	
SA		KOYO	Insert bearing for bearing units	• Insert bearing for bearing units	ES	G2
SB		KOYO	Insert bearing for bearing units	• Insert bearing for bearing units	US	G2
SNL		SKF	Cast-iron pillow block	• Split cast-iron pillow block	SNU	

When the prefixes and suffixes identify a specific type of product, this is indicated in the « TYPES OF PRODUCTS » column.

PREFIXES	SUFFIXES	MANUFACTURERS	TYPES OF PRODUCTS	DESCRIPTION	SNR PREFIX	SNR SUFFIX
SNN		NSK	Cast-iron pillow block	• Split cast-iron pillow block	SNU	
SNV		FAG	Cast-iron pillow block	• Split cast-iron pillow block	SNU	
TS1		NTN		• Stabilized for temperatures from 100 up to 130°C (210 to 265 °F)		STANDARD
TS2		NTN		• Stabilized for temperatures from 100 up to 130°C (210 to 265 °F)		Y**
TS3		NTN		• Stabilized for temperatures from 160 up to 200°C (320 to 390 °F)		Y**
TS4		NTN		• Stabilized for temperatures from 200 up to 250°C (390 to 480 °F)		Y**
UB		NSK	Insert bearing for bearing units	• Insert bearing for bearing units	US	G2
UC	D1	NTN	Insert bearing for bearing units	• Insert bearing for bearing units	UC	G2
UC		KOYO/NSK	Insert bearing for bearing units	• Insert bearing for bearing units	UC	G2
UEL	D1W3	NTN	Insert bearing for bearing units	• Insert bearing for bearing units	EX	G2
UK	D1+H23..X	NTN	Insert bearing for bearing units	• Tapered bore insert bearing for bearing units with adapter sleeve	UK	G2H
UK	H23..	NSK	Insert bearing for bearing units	• Tapered bore insert bearing for bearing units with adapter sleeve	UK	G2H
UK		KOYO	Insert bearing for bearing units	• Tapered bore insert bearing for bearing units	UK	G2
W		SKF	Single-row radial contact ball bearing	• Stainless steel bearing	S	
YAR		SKF	Insert bearing for bearing units	• Insert bearing for bearing units	UC	G2
YAR2	2RF/HVGFA	SKF	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	MUC	FD
YAT		SKF	Insert bearing for bearing units	• Insert bearing for bearing units	US	G2
YEL		SKF	Insert bearing for bearing units	• Insert bearing for bearing units	EX	G2
YET		SKF	Insert bearing for bearing units	• Insert bearing for bearing units	ES	G2
YSA	2FK	SKF	Insert bearing for bearing units	• Tapered bore insert bearing for bearing units	UK	G2
	15A	NTN		• Lubricant code		D109
	1D	NTN		• Lubricant code		D59
YSA	2FK	SKF	Insert bearing for bearing units	• Tapered bore insert bearing for bearing units	UK	G2
	2LS	SKF		• Seal at both side		EE
YAR2	2RF/HVGFA	SKF	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	MUC	FD
	2RS	FAG/GMN/INA/ KOYO/RHP	Single-row radial contact ball bearing	• Seal at both sides		EE
	2RSH	SKF	Single-row radial contact ball bearing	• Seal at both sides		EE
	2RS1	SKF	Single-row radial contact ball bearing	• Snap ring groove on the outside diameter and seal at both sides		N EE
	2RS1N	SKF	Single-row radial contact ball bearing	• Seal for high temperature at both sides		EE3
	2RS2	SKF	Single-row radial contact ball bearing	• Quad set		Q**
	2TB2T	RHP	Single-row angular contact ball bearing	• Face-to-face and tandem arrangement triplex set		Q**
	2T	RHP	Single-row angular contact ball bearing	• Quad set		Q**
	2TF2T	RHP	Single-row angular contact ball bearing	• Quad set		Q**
	2Z	FAG/GMN/INA/ SKF/TORRINGTON	Single-row radial contact ball bearing	• Shield at both sides		ZZ
	2ZN	SKF	Single-row radial contact ball bearing	• Shield at both sides and snap ring groove in the outer ring		N ZZ
	2ZRN	FAG	Single-row radial contact ball bearing	• Shield at both sides and snap ring groove in the outer ring		N ZZ
	3	NSK		• Precision conform to ABEC 3 - ISO 6		J*6
	3E	NTN		• Lubricant code		D32
	3K	NTN		• Lubricant code		D32
	3T	SNFA	High Precision angular contact ball bearing	• Tandem arrangement triple set		Q15
	3TB	RHP	Single-row angular contact ball bearing	• Quad set		Q**
	3TD	SNFA	High Precision angular contact ball bearing	• Quad set		Q**
	3TF	RHP/SNFA	Single-row angular contact ball bearing	• Quad set		Q**
	4E	NTN		• Lubricant code		D112
	4T	RHP/SNFA	Single-row angular contact ball bearing	• Quad set		Q**
	5	SNFA		• Precision conform to ABEC 5 - ISO 5		J*5
	5P	NSK		• Precision conform to ABEC 5 - ISO 5		J*5
	5S	NTN		• Lubricant code		D6
	6K	NTN		• Lubricant code		D32
	7	SNFA		• Precision conform to ABEC 7 - ISO 4		J*4
	7P	NSK		• Precision conform to ABEC 7 - ISO 4		J*4
	A3	KOYO		• Lubricant code		D59
	A5	GMN		• Precision conform to ABEC 5 - ISO 5		J*5
	A6	KOYO		• Lubricant code		D112
	A7	GMN		• Precision conform to ABEC 7 - ISO 4		J*4
	AC	KOYO		• Lubricant code		D109
	ACD/P4A	SKF	High Precision angular contact ball bearing	• Precision conform to ABEC 7 - 25° contact angle		H J*4



When the prefixes and suffixes identify a specific type of product, this is indicated in the « TYPES OF PRODUCTS » column.

Competitor prefixes and suffixes and SNR equivalent

PREFIXES	SUFFIXES	MANUFACTURERS	TYPES OF PRODUCTS	DESCRIPTION	SNR PREFIX	SNR SUFFIX
	AE	KOYO		• Lubricant code		D35
	AF2	NSK		• Lubricant code		D32
	AK2	NSK		• Lubricant code		D112
	ASR	KOYO		• Lubricant code		D112
	ASR	INA	Spherical roller bearing	• Lubrication groove and holes in the outer ring		W33
	AVS	NSK		• Lubricant code		D109
	B	SKF	Single-row angular contact ball bearing	• 40° contact angle		B
	B	FAFNIR	Insert bearing for bearing units	• Spherical outside diameter		S
	B	SNFA		• Bronze cage		M
	B1	TORRINGTON	Single-row radial contact ball bearing	• Clearance code, smaller than normal		J20
	B3	NTN		• Precision conform to ABEC 3 - ISO 6		J*6
	B3	TORRINGTON	Single-row radial contact ball bearing	• Clearance code, greater than normal		J30
	B32	NSK		• Lubricant code		D32
	B4	TORRINGTON	Single-row radial contact ball bearing	• Clearance code, greater than C3		J40
	B5	KOYO		• Lubricant code		D32
	B5	NTN/TORRINGTON		• Precision conform to ABEC 5 - ISO 5		J*5
	B5	TORRINGTON		• Clearance code, greater than C4		J50
	B7	NTN		• Precision conform to ABEC 7 - ISO 4		J*4
	BE	SKF	Single-row angular contact ball bearing	• 40° contact angle with polyamide cage		BA
	BR	FAFNIR/ TORRINGTON	Single-row radial contact ball bearing	• Bronze cage		M
	C2	FAG/GMN/INA/ NSK/NTN/SKF		• Clearance code, less than normal		J20
	C2	FAG/GMN/INA/ NSK/NTN/SKF	Spherical roller bearing	• Clearance code, less than normal		C2
	C3	FAG/GMN/INA/ NSK/NTN/SKF		• Clearance code, greater than normal		J30
	C3	FAG/GMN/INA/ NSK/NTN/SKF	Spherical roller bearing	• Clearance code, greater than normal		C3
	C4	FAG/GMN/INA/ NSK/NTN/SKF		• Clearance code, greater than C3		J40
	C4	FAG/GMN/INA/ NSK/NTN/SKF	Spherical roller bearing	• Clearance code, greater than C3		C4
	C5	FAG/GMN/INA/ NSK/NTN/SKF		• Clearance code, greater than C4		J50
	C5	FAG/GMN/INA/ NSK/NTN/SKF	Spherical roller bearing	• Clearance code, greater than C4		C5
	C6	SKF		• Noise tested bearing		M**
	C7	NSK	High Precision angular contact ball bearing	• Light preloaded bearing duplex set		D* J7*
	C8	NSK	High Precision angular contact ball bearing	• Medium preloaded bearing duplex set		D* J8*
	C9	NSK	High Precision angular contact ball bearing	• Heavy preloaded bearing duplex set		D* J9*
	CA	NSK/SKF	Spherical roller bearing	• Machined brass cage and side shoulders		EM
	CA	SKF	Single-row angular contact ball bearing	• Universal pairing		DU
	CAC	SKF	Spherical roller bearing	• Machined brass cage and side shoulders		EM
	CC	SKF	Single-row angular contact ball bearing	• Universal pairing		DU
	CC	SKF	Spherical roller bearing	• Steel cage and inner ring without shoulders		EA
	CD/P4A	SKF	High Precision angular contact ball bearing	• Precision conform to ABEC 7 - de 15° contact angle		C J*4
	CE	NSK	Single-row radial contact ball bearing	• Noise controlled bearings bearing		M**
	D	FAFNIR	Single-row radial contact ball bearing	• Shield at one side		Z
UC	D1	NTN	Insert bearing for bearing units	• Insert bearing for bearing units	UC	G2
	D1	NTN	Spherical roller bearing	• Lubrication groove and holes in the outer ring		W33
	D1	NTN	Insert bearing for bearing units	• Lubricating system		G2
F-UC2..	D1/LP03	NTN	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	MUC	FD
F-UC2..	D1/LP03	NTN	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	SUC	
UK	D1+H23..X	NTN	Insert bearing for bearing units	• Tapered bore insert bearing for bearing units with adapter sleeve	UK	G2H
UEL	D1W3	NTN	Insert bearing for bearing units	• Insert bearing for bearing units	EX	G2
	D2	NTN	High Precision angular contact ball bearing	• Tandem bearing duplex		DT
	D3	NTN	High Precision angular contact ball bearing	• Tandem arrangement triplex set		Q15
	D4	NTN	High Precision angular contact ball bearing	• Parallel arrangement quad set		Q**
	DB	SKF	Single-row angular contact ball bearing	• Back-to-back arrangement duplex set		DB
	DBB	NSK	High Precision angular contact ball bearing	• Quad set		Q**
	DBF	NTN	High Precision angular contact ball bearing	• Back-to-back and face-to-face arrangement quad set		Q**
	DD	FAFNIR/INA	Single-row radial contact ball bearing	• Shield at both sides		ZZ
	DDU	NSK	Single-row radial contact ball bearing	• Seal at both sides		EE

When the prefixes and suffixes identify a specific type of product, this is indicated in the « TYPES OF PRODUCTS » column.

PREFIXES	SUFFIXES	MANUFACTURERS	TYPES OF PRODUCTS	DESCRIPTION	SNR PREFIX	SNR SUFFIX
10..	DECG	RHP	Insert bearing for bearing units	• Insert bearing for bearing units	EX	G2
	DF	FAFNIR/KOYO/NSK/ NTN/RHP/SKF		• Face-to-face duplex set		DF
	DFD	KOYO/NSK	Single-row angular contact ball bearing	• Face-to-face and tandem triplex set		Q**
	DFF	KOYO/NSK	Single-row angular contact ball bearing	• Quad set		Q**
	DFT	KOYO/NSK	Single-row angular contact ball bearing	• Quad set		Q**
	DG	SKF	High Precision angular contact ball bearing	• Universal paired bearing. If followed by a letter, see A, B or C		DU J**
	DGA	SKF	High Precision angular contact ball bearing	• Universal paired bearings with light preload		DU J7*
	DGB	SKF	High Precision angular contact ball bearing	• Universal paired bearings with medium preload		DU J8*
	DGC	SKF	High Precision angular contact ball bearing	• Universal paired bearings with heavy preload		DU J9*
	DR	SKF	High Precision angular contact ball bearing	• Paired bearings		D*
	DT	FAFNIR/FAG/ NSK/SKF	High Precision angular contact ball bearing	• Tandem arrangement duplex set		DT
	DTBT	NTN	Single-row angular contact ball bearing	• Quad set		Q**
	DTD	NSK	High Precision angular contact ball bearing	• Tandem arrangement triplex set		Q15
	DTT	KOYO/NSK	Single-row angular contact ball bearing	• Quad set		Q**
	DTT	NTN	High Precision angular contact ball bearing	• Quad set	Q15	
	DU	FAFNIR/NSK/ RHP/SNFA	High Precision angular contact ball bearing	• Universal paired bearings		DU
	DU	NSK	Single-row radial contact ball bearing	• Seal at one side		E
	DUH	FAFNIR	High Precision angular contact ball bearing	• Universal paired bearings with heavy preload		DU J9*
	DUL	FAFNIR	High Precision angular contact ball bearing	• Universal paired bearings with light preload		DU J7*
	DUM	FAFNIR	High Precision angular contact ball bearing	• Universal paired bearings with medium preload		DU J8*
	E	SKF	Single-row radial contact ball bearing	• Increased capacity		A
	E	SNFA		• Cage centered on the outer ring		A
	E1	FAG	Spherical roller bearing	• Optimized version		E
	E4	NSK	Spherical roller bearing	• Lubrication groove and holes in the outer ring		W33
	EC	SKF	Cylindrical roller bearing	• Increased capacity		E
12..	ECG	RHP	Insert bearing for bearing units	• Insert bearing for bearing units	ES	G2
	EP5	RHP		• Precision conform to ABEC 5 - ISO5		J.5
	EP7	RHP		• Precision conform to ABEC 7 - ISO4		J.4
	F74	FAG	Spherical roller bearing	• Bearing for shaker screen application		F80*
	F80	FAG	Spherical roller bearing	• Bearing for shaker screen application		F80*
	FA227	INA		• Lubricant code		D59
	FF	SNFA	High Precision angular contact ball bearing	• Paired bearings, face-to-face arrangement		DF
	FG	KOYO		• Glass fiber reinforced polyamide cage		G15
	FS-160B	FAFNIR		• Lubricant code		D32
	FY	KOYO		• Lubricant code		D32
10..	G	RHP	Insert bearing for bearing units	• Insert bearing for bearing units	UC	G2
12..	G	RHP	Insert bearing for bearing units	• Insert bearing for bearing units	US	G2
	G	FAFNIR	Single-row radial contact ball bearing	• Snap ring groove and snap ring in the outer ring		NR
	G	FAG	Single-row radial contact ball bearing	• Noise controlled bearings bearing		M**
	G1	GMN	High Precision angular contact ball bearing	• Paired bearings, face-to-face arrangement		DF
	G2	GMN	High Precision angular contact ball bearing	• Paired bearings, back-to-back arrangement		DB
	G3	GMN	High Precision angular contact ball bearing	• Paired bearings, tandem arrangement		DT
J10..	GCR	NSK/RHP	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	SUC	
	GD	FAFNIR	Single-row radial contact ball bearing	• Snap ring groove and snap ring in the outer ring, shield at the same side		NR ZB
	GD2	NTN	High Precision angular contact ball bearing	• Universal pairing		DU
	GDB	NTN	High Precision angular contact ball bearing	• Paired bearings, back-to-back arrangement		DB
	GP	INA	Single-row radial contact ball bearing	• Noise controlled bearings		M**
OH	H	SKF	Sleeves	• Adapter sleeve for oil injection	H	H
	H	FAFNIR		• Clearance code, smaller than normal		J20
	H	FAG	Single-row radial contact ball bearing	• Machined brass cage centered on the rolling elements		M
H	HG	FAG	Sleeves	• Adapter sleeve for oil injection	H	H
UK	H23..	NSK	Insert bearing for bearing units	• Tapered bore insert bearing for bearing units with adapter sleeve	UK	G2H
	H36C.J22G	FAG	Single-row radial contact ball bearing	• Kiln truck bearings		F60*
	H36D.J22G	FAG	Single-row radial contact ball bearing	• Kiln truck bearings + MOS2		F60*
	HA	FAG		• Machined brass cage centered on the outer ring		MA
	HB	FAG		• Machined brass cage centered on the outer ring		MB
	HT2	SKF		• Lubricant code		D109
	HT22	SKF		• Lubricant code		D32
	HT41	SKF		• Lubricant code		D59



When the prefixes and suffixes identify a specific type of product, this is indicated in the « TYPES OF PRODUCTS » column.



Competitor prefixes and suffixes and SNR equivalent

PREFIXES	SUFFIXES	MANUFACTURERS	TYPES OF PRODUCTS	DESCRIPTION	SNR PREFIX	SNR SUFFIX
	HT58	SKF		• Lubricant code		D112
	HT7	SKF		• Lubricant code		D59
	HT72	SKF		• Lubricant code		D112
	I	SNFA	Spherical roller bearing	• Cage centered on the inner ring		B
	J	SKF	Single-row radial contact ball bearing	• Pressed steel cage		STANDARD
	JA/C3HVA405	SKF	Spherical roller bearing	• Bearing for shaker screen application		F80*
	JA/VA405	SKF	Spherical roller bearing	• Bearing for shaker screen application		F80*
	JA/W20VA405	SKF	Spherical roller bearing	• Bearing for shaker screen application		F80*
	JA/W33VA405	SKF	Spherical roller bearing	• Bearing for shaker screen application		F80*
	K	FAG/KOYO/NSK/ NTN/RHP/SKF		• 1:12 tapered bore		K
	K30	FAG/KOYO/NSK/ NTN/RHP/SKF		• 1:30 tapered bore		K30
10..	KG	RHP	Insert bearing for bearing units	• Tapered bore insert bearing for bearing units	UK	G2
GE	KRRB	INA	Insert bearing for bearing units	• Insert bearing for bearing units	EX	G2
GYE	KRRB	INA	Insert bearing for bearing units	• Insert bearing for bearing units	UC	G2
GYE	KRRB VA	INA	Insert bearing for bearing units	• Stainless steel insert bearing for bearing units	SUC	
	L1	NTN	Single-row radial contact ball bearing	• Machined brass cage centered on the rolling elements		M
	L12	FAG		• Lubricant code		D59
	L135	FAG		• Lubricant code		D90
	L186	FAG		• Lubricant code		D93
	L71	FAG		• Lubricant code		D59
	L74	FAG		• Lubricant code		D32
	L78	FAG		• Lubricant code		D
	L79	FAG		• Lubricant code		D88
	LHT23	SKF		• Lubricant code		D59
	LHT42	SKF		• Lubricant code		D32
	LHT51	SKF		• Lubricant code		D32
	LHT55	SKF		• Lubricant code		D32
	LHT62	SKF		• Lubricant code		D59
	LHT64	SKF		• Lubricant code		D6
	LL	NTN	Single-row radial contact ball bearing	• Seal at both sides		EE
	LU	NTN	Single-row radial contact ball bearing	• Seal at one side		E
	M	NSK/SKF		• Machined brass cage centered on the rolling elements		M
	M1	FAG		• Machined brass cage centered on the rolling elements		M
	M1A	FAG		• Machined brass cage centered on the rolling elements		MA
	MA	ELGES/FAG/ GMN/INA/SKF		• Machined brass cage centered on the outer ring		MA
	MB	GMN/INA/SKF		• Machined brass cage centered on the inner ring		MB
	MBR	FAFNIR		• Machined brass cage centered on the rolling elements		M
	MG	KOYO		• Glass fiber reinforced polyamide cage		G15
	MT33	SKF		• Lubricant code		D59
	MT37	SKF		• Lubricant code		D59
	MT47	SKF		• Lubricant code		D109
	MT57	SKF		• Lubricant code		D10
	MT59	SKF		• Lubricant code		D112
	N	FAG/GMN/NSK/ NTN/SKF/TORRINGTON		• Snap ring groove in the outer ring		N
	N	KOYO/NSK	Tapered roller bearing	• Noise tested bearing		M**
	N2	FAG/SKF	4-point contact ball bearing	• Two locating notches in the outer ring		N2
	NB2	NSK		• Lubricant code		D59
	NDU	NSK	Single-row radial contact ball bearing	• Snap ring groove and seal at the same side		NEB
GAY	NPPB	INA	Insert bearing for bearing units	• Insert bearing for bearing units	US	G2
GRAE	NPPB	INA	Insert bearing for bearing units	• Insert bearing for bearing units	ES	G2
	NR	FAG/GMN/INA/ KOYO/NSK/NTN/ RHP/SKF/TORRINGTON		• Snap ring groove and snap ring in the outer ring		NR
	NS7	NSK		• Lubricant code		D59
	P	FAFNIR		• Seal at one side		E
	P	SKF		• Glass-fiber reinforced polyamide cage		G15
	P	SNFA		• Polyamide cage		G14
	P4	FAG/SKF		• Precision conform to ABEC 7 - ISO 4		J*4
	P43	SKF		• P4 + C3		J34
	P5	FAG/INA/SKF		• Precision conform to ABEC 5 - ISO 5		J*5
	P52	SKF		• P5 + C2		J25

When the prefixes and suffixes identify a specific type of product, this is indicated in the « TYPES OF PRODUCTS » column.

PREFIXES	SUFFIXES	MANUFACTURERS	TYPES OF PRODUCTS	DESCRIPTION	SNR PREFIX	SNR SUFFIX
P6		FAG/GMN/INA/SKF		• Precision conform to ABEC 3 - ISO 6		J*6
P62		SKF		• P6 + C2		J26
P63		SKF		• ISO 3 clearance group + ISO 6 Precision class		J36
PA3		NSK		• Precision conform to ABEC 3 - ISO 6		J*6
PA5		NSK		• Precision conform to ABEC 5 - ISO 5		J*5
PA7		NSK		• Precision conform to ABEC 7 - ISO 4		J*4
PG		FAFNIR		• Seal at one side, snap ring groove and snap ring in the outer ring at the opposite side		NR E
PP		FAFNIR		• Seal at both side		EE
Q05		SKF		• Noise controlled bearings bearing		M**
Q06		SKF		• Noise controlled bearings bearing		M**
Q5		SKF		• Low level of vibrations		M**
Q55		SKF		• Noise controlled bearings bearing		M**
Q6		SKF		• Low level of vibrations		M**
Q66		SKF		• Noise controlled bearings bearing		M**
QB		RHP		• Quad set		Q**
QBC		SKF	Single-row angular contact ball bearing	• Quad set		Q**
QBT		SKF		• Quad set		Q**
QE*		SKF	Single-row radial contact ball bearing	• Noise controlled bearings bearing		M**
QF		RHP		• Quad set		Q**
QFC		SKF		• Quad set		Q**
QFT		SKF		• Quad set		Q**
QR		SKF		• Quad set		Q**
QT				• Quad set		Q**
QU		FAFNIR/RHP	High Precision angular contact ball bearing	• Universal quad set		Q**
R		FAFNIR		• Seal at one side		E
R1		TORRINGTON		• Clearance less than normal		J20
R3		TORRINGTON		• Clearance greater than normal		J30
RO		KOYO		• Machined brass cage centered on the outer ring		MA
ROVSW33		KOYO	Spherical roller bearing	• Bearing for shaker screen application		F80.
ROVSW502		KOYO	Spherical roller bearing	• Bearing for shaker screen application		F80.
RR		FAFNIR		• Seal at both side		EE
RS		FAG/GMN/INA/ KOYO/RHP/SKF		• Seal at both side		E
RS1		SKF		• Seal at one side		E
RS1NB		SKF		• Snap ring groove and seal at the same side		N EB
RS1NBR		SKF		• Seal at one side, snap ring groove and snap ring in the outer ring at the same side		NR EB
RS1NR		SKF		• Seal at one side, snap ring groove and snap ring in the outer ring at the opposite side		NR E
RS2		SKF		• Seal for high temperature at one side		E3
RSN		FAG/SKF		• Snap ring groove in the outer ring, seal at the opposite side		N E
RSNB		FAG		• Snap ring groove and seal at the same side		N EB
RSNR		FAG		• Seal at one side, snap ring groove and snap ring in the outer ring at the opposite side		NR E
S		FAFNIR		• Spherical outside diameter		S
S		FAG	Spherical roller bearing	• Lubrication groove and holes in the outer ring		W33
S1		ELGES/FAG/GMN/ INA/KOYO/SKF		• Stabilized for temperatures up to 200° (390° F)	Y61	
S11		NSK		• Stabilized for temperatures up to 200° (390° F)	Y61	
S2		ELGES/FAG/GMN/ INA/KOYO/SKF		• Stabilized for temperatures up to 250° (480° F)	Y62	
S3		ELGES/FAG/GMN/ INA/KOYO/SKF		• Stabilized for temperatures up to 300° (570° C)	Y63	
S4		FAG/SKF		• Stabilized for temperatures up to 350° (660° F)	Y64	
SR		KOYO		• Lubricant code		D59
SY		FAG	Spherical roller bearing	• Lubrication holes in the outer ring		W34
T		SNFA	Single-row angular contact ball bearing	• Paired bearings, tandem arrangement		DT
T12		NSK		• Polyamide cage		G**
T2		NTN		• Stabilized for temperatures up to 250° (480° F)	Y62	
T41A		FAG	Spherical roller bearing	• Bearing for shaker screen application		F80.
T9H		GMN		• Polyamide cage		G**
TDT		SNFA	Single-row angular contact ball bearing	• Quad set		Q**
TF		SNFA	Single-row angular contact ball bearing	• Triplex set, face-to-face and tandem arrangement		Q**
TFT		SNFA/SKF		• Triplex set, face-to-face and tandem arrangement		Q**



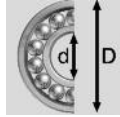
When the prefixes and suffixes identify a specific type of product, this is indicated in the « TYPES OF PRODUCTS » column.

Competitor prefixes and suffixes and SNR equivalent

PREFIXES	SUFFIXES	MANUFACTURERS	TYPES OF PRODUCTS	DESCRIPTION	SNR PREFIX	SNR SUFFIX
	TG	SKF		• Set of three paired bearings		Q**
	TN	FAG/GMN/ INA/RHP/SKF		• Polyamide cage		G**
	TN9	SKF	Self-aligning ball bearing	• Glass fiber reinforced polyamide cage		G15
	TNH	FAG		• Glass fiber reinforced polyamide cage		G15
	TR	SKF		• Set of three paired bearings		Q**
	TR118	FAFNIR	Single-row angular contact ball bearing	• Universal quad set		Q**
	TR152	FAFNIR	Single-row angular contact ball bearing	• Set of four paired bearings		Q**
	TT	SKF	High Precision angular contact ball bearing	• Set of three paired bearings, tandem arrangement		Q15
	TU	FAFNIR/SNFA	Single-row angular contact ball bearing	• Universal triplex set		Q**
	TV	FAG		• Polyamide cage		G**
	TVH	FAG		• Polyamide cage		G**
	TY	NSK		• Polyamide cage		G**
	TVPB	FAG	Spherical roller bearing	• Glass fiber reinforced polyamide cage		G15
	U	INA	Insert bearing for bearing units	• Spherical outside diameter		S
	VA201	SKF	Single-row radial contact ball bearing	• Kiln truck bearings		F60*
	VA208	SKF	Single-row radial contact ball bearing	• Kiln truck bearings		F60*
	VA228	SKF	Single-row radial contact ball bearing	• Kiln truck bearings		F60*
	VA405	SKF	Spherical roller bearing	• Bearing for shaker screen application		F80*
	VA407	SKF	Spherical roller bearing	• Bearing for shaker screen application		F80*
	VS	NSK	Spherical roller bearing	• Bearing for shaker screen application		F80*
	VS1	NTN	Spherical roller bearing	• Bearing for shaker screen application		F80*
	VT105	SKF		• Lubricant code		D32
	VT20	SKF		• Lubricant code		D112
	VT131	SKF		• Lubricant code		D63
	VT162	SKF		• Lubricant code		D59
	VT164	SKF		• Lubricant code		D32
	W20	SKF/TORRINGTON	Spherical roller bearing	• Lubrication holes in the outer ring		W34
S	W203B	FAG	Single-row radial contact ball bearing	• Stainless steel bearing	S	
AEL	W3	NTN	Insert bearing for bearing units	• Insert bearing for bearing units	ES	G2
	W33	SKF	Spherical roller bearing	• Lubrication groove and holes in the outer ring		W33
	W64	SKF		• Solid lubricant		D137LSO
	W740	TORRINGTON	Spherical roller bearing	• Bearing for shaker screen application		F80*
	W800	TORRINGTON	Spherical roller bearing	• Bearing for shaker screen application		F80*
AW	X	NSK	Locking washer	• Locking washer for sleeve	MB	
	X	SNFA	Cylindrical roller bearing	• Glass-fiber reinforced polyamide cage		G15
	X28	NSK		• Stabilized for temperatures up to 200° (390° F)	Y61	
	X29	NSK		• Stabilized for temperatures up to 250° (480° F)	Y62	
	Z	FAG/GMN/INA/ NSK/NTN/SKF/ TORRINGTON	Single-row radial contact ball bearing	• Shield at one side		Z
	Z52.790144	FAG	Single-row radial contact ball bearing	• Kiln truck bearing + MOS2		F60.
	Z52.790191	FAG	Single-row radial contact ball bearing	• Kiln truck bearing		F60.
	ZN	FAG/GMN/	Single-row radial contact ball bearing	• Snap ring groove in the outer ring and one shield at the opposite side		N Z
	ZNBR	GMN/SKF	Single-row radial contact ball bearing	• Snap ring groove and snap ring in the outer ring, shield at the same side		NR ZB
	ZNR	FAG/GMN/NSK	Single-row radial contact ball bearing	• Snap ring groove and snap ring in the outer ring, one shield at the opposite side		NR Z
	ZR			• Shield at one side		Z
	ZRN			• Snap ring groove and snap ring in the outer ring, one shield at the opposite side		N Z
	ZZ	NSK/NTN	Single-row radial contact ball bearing	• Shield at both sides		ZZ

When the prefixes and suffixes identify a specific type of product, this is indicated in the « TYPES OF PRODUCTS » column.

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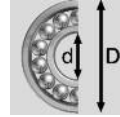
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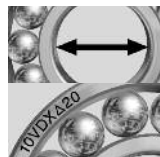


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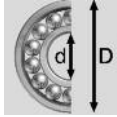


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	13	5	624	A01	
	13	5	624 EE	A25	
	13	5	624 Z	A20	
	13	5	624 ZZ	A21	
	16	5	634	A01	
	16	5	634 EE	A25	
	16	5	634 ZZ	A21	
5	16	5	625	A01	
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	16	5	625 Z	A20	
	16	5	625 ZZ	A21	
	16	5	625 ZZJ30	A21	
	19	6	635	A01	
	19	6	635 ZZ	A21	
6	13	3.5	618/6	A01	
	19	6	626	A01	
	19	6	626 E	A24	
	19	6	626 EE	A25	
	19	6	626 EEJ30	A25	
	19	6	626 Z	A20	
	19	6	626 ZZ	A21	
	19	6	626 ZZJ30	A21	
	19	6	607	A01	
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	19	6	607 Z	A20	
	19	6	607 ZZ	A21	
	19	6	607J30	A01	
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	22	7	627 G15	A01	
	22	7	627 J30	A01	
	22	7	627 Z	A20	
	22	7	627 ZZ	A21	
	22	7	627 ZZJ30	A21	
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		22	7	608 E	A20
		22	7	608 EE	A25
22		7	608 EEJ30	A25	
22		7	608 FT150	A25	
22		7	608 J30	A01	
22		7	608 Z	A20	
22		7	608 ZJ30	A20	
22		7	608 ZZ	A21	
22		7	608 ZZJ30	A21	
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	24	7	609 EEJ20	A25	
	24	7	609 Z	A20	
	24	7	609 ZZ	A21	
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	26	8	629 EE	A25	
	26	8	629 EEJ30	A25	
	9	26	8	629 G15	A01
		26	8	629 J30	A01

9	26	8	629 Z	A24
	26	8	629 ZZ	A21
10	19	5	61800 EEG15	A25
	19	5	61800 G15	A01
	19	5	61800 ZZG15	A21
	22	6	61900 EEG15	A25
	22	6	<i>61900 EEG15J30</i>	A25
	22	6	61900 G15	A01
	22	6	61900 ZZG15	A21
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	26	8	6000 E	A20
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	26	8	6000 EED43	A25
	26	8	6000 EEJ30	A25
	26	8	6000 EEJ30D129	A25
	26	8	6000 FT150	A25
	26	8	6000 FT150ZZ	A21
	26	8	6000 HVZZ	A21
	26	8	6000 J30	A01
	26	8	6000 LT	A25
	26	8	6000 LTZZ	A21
	26	8	6000 Z	A20
	26	8	6000 ZG15	A20
	26	8	6000 ZZ	A21
	26	8	6000 ZZG15J30	A21
	26	8	6000 ZZJ30	A21
	26	12	63000 EE	A25
	26	12	63000 EEJ30	A25
	30	9	1200 G15	G01
	30	14	2200 G14	G01
	30	14	3200 A	E01
	30	14	3200 AJ30	E01
	30	14	4200 A	C01
	30	14	4200 AJ30	C01
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30	9	6200 EE	A25	
30	9	6200 EEJ30	A25	
30	9	6200 FT150ZZ	A21	
30	9	6200 J30	A01	
30	9	6200 J40	A01	
30	9	6200 LT	A25	
30	9	6200 LTZZ	A21	
30	9	6200 NRZZ	A36	
30	9	6200 Z	A20	
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35	11	6300	A01	
35	11	6300 EE	A25	
35	11	6300 EEJ30	A25	
35	11	6300 FT150ZZ	A21	
35	11	6300 J30	A01	
35	11	6300 ZZ	A21	
35	11	6300 ZZJ30	A21	
12	21	5	61801 EEG15	A25
	21	5	61801 G15	A01
	21	5	61801 ZZG15	A21
	24	6	61901 EEG15	A25
	24	6	61901 G15	A01
	24	6	61901 ZZG15	A21
	24	6	51101	P01



12 →



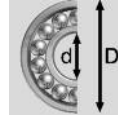
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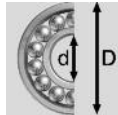


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12	28	8	6001	A01	15	24	5	61802 ZZG15	A21
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	28	8	6001 FT150	A25		32		51202	P01
	28	8	6001 FT150ZZ	A21		32	9	6002	A01
	28	8	6001 G15J30	A01		32	9	6002 E	A20
	28	8	6001 HVZZ	A21		32	9	6002 EE	A25
	28	8	6001 J30	A01		32	9	6002 EEJ30	A25
	28	8	6001 LT	A25		32	9	6002 EEJ30D129	A25
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	28	8	6001 ZZ	A21		32	9	6002 HT200ZZ	A21
	28	8	6001 ZZJ30	A21		32	9	6002 HVZZ	A21
	28	8	6001 ZZJ40	A21		32	9	6002 J30	A01
	28	8	6001 ZZJ50	A21		32	9	6002 LT	A25
	28	12	63001 EE	A25		32	9	6002 LTZZ	A21
	28	12	63001 EEJ30	A25		32	9	6002 NZZ	A34
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	32	10	1201 G15	G01		32	9	6002 ZJ30	A20
	32	10	1201 G15J30	G01		32	9	6002 ZZ	A21
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	32	15.9	5201 EE	E25		35	11	1202 G15J30	G01
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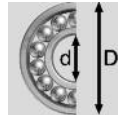
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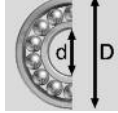


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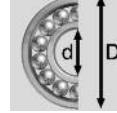
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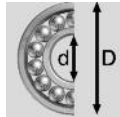


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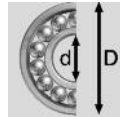
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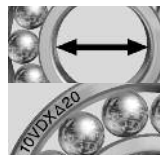


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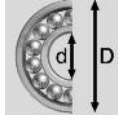


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	57	16	AB 10599 S04	A61
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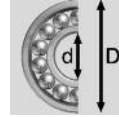
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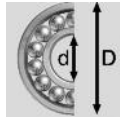


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	52	18	• 22205 EAW33C4	M60		62	24 / 20	EC 12050	K01
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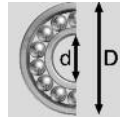
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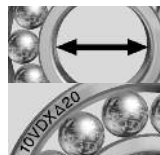


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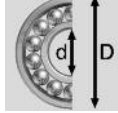


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	55	13	6006 EEJ30	A25
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	55	13	6006 FT150ZZ	A21
	55	13	6006 HVZZ	A21
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	62	16	6206 KEEJ30	A42
	62	16	6206 KZZ	A44
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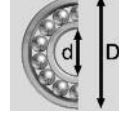
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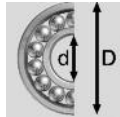


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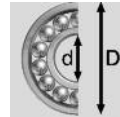
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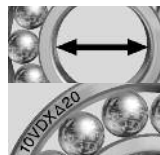


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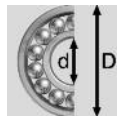


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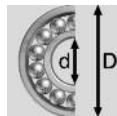
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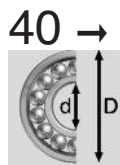
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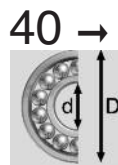
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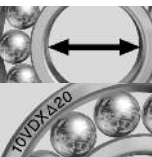


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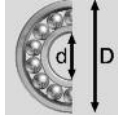


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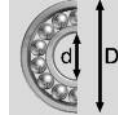
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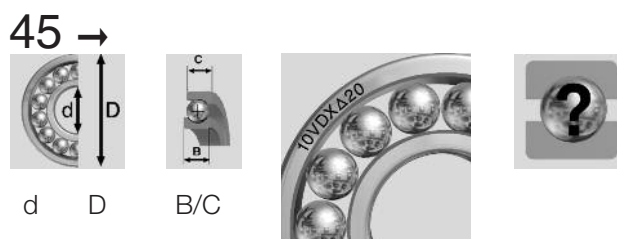
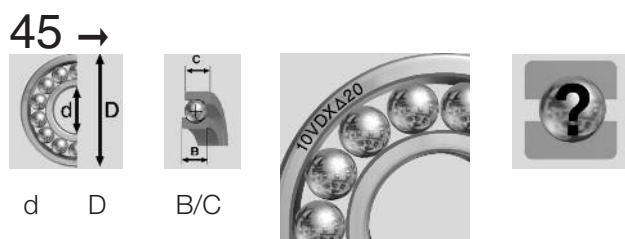
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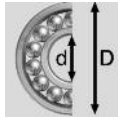


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45 →



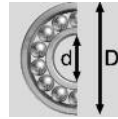
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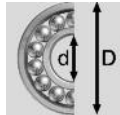


B/C



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	100	36	• 22309 EKF800	M03		90	20	1210	G01
	100	36	• 22309 EM			90	20	1210 KJ30	G40
	100	36	• 22309 EMW33	M02		90	23	2210	G01
	100	36	• 22309 EMW33C3	M02		90	23	2210 EEG15	G25
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	120	29	6409 J30	A01		90	23	2210 KEEG15	G26
	120	29	6409 N	A61		90	23	2210 KJ30	G40
	120	29	6409 NJ30	A61		90	20 / 17	30210 C	K01
	120	29	6409 NR	A62		90	30.2	3210 A	E01
	120	29	NJ 409	H11		90	30.2	3210 AJ30	E01
	120	29	NU 409	H05		90	23 / 19	32210 A	K01
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	100/108	70 / 56	FC 12278			90	30.2	4210 AJ30	C01
	76 / 83	20 / 18.5	<i>EC 12530</i>	K64		90	30.2	5210 EE	E25
	85 / 92	23 / 19	32209 BAT	K64		90	30.2	5210 NRZZ	E36
						90	20	5210 ZZ	E21
						90	20	6210	A01
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	74,98	18 / 14	LM 503349A/310	K01		90	20	6210 EJ30	A20
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46	96,84	78.2 / 17.5	FC 40855			90	20	6210 F604	A21
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	84	48 / 48	FC 40918 S02	L31		90	20	6210 FT150ZZ	A21
	88	46	GB 40279 S01	F34		90	20	6210 HT200	A25
						90	20	6210 HT200ZZ	A21
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	65	7	<i>61810 2RSY</i>	A25		90	20	<i>6210 J20</i>	A01
	65	7	61810 ZZ	A21		90	20	6210 J30	A01
	65	7	61810 EE	A25		90	20	6210 J40	A01
	65	7	<i>61810 Y</i>	A01		90	20	6210 N	A61
	70		51110	P01		90	20	6210 NR	A62
	72	12	61910	A01		90	20	6210 NREE	A25
	78		51210	P01		90	20	6210 NRJ30	A62
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	80	16	<i>6010 NEE</i>	A38		90	23	N 2210 W	H15
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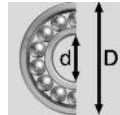
d D



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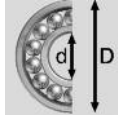


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	90	23	• 22210 EAW33C4	M60
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	90	23	• 22210 EG15W33	M60
	90	23	• 22210 EG15W33C3	M60
	90	23	• 22210 EMKW33	M03
	90	23	• 22210 EMKW33C3	M03
	90	23	• 22210 EMW33	M02
	90	23	• 22210 EMW33C3	M02
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	110	27	1310 G15J30	G01
	110	27	1310 KG15J30	G40
	110	27	21310 V	M01
	110	27	21310 VC3	M01
	110	27	21310 VK	M40
	110	27	21310 VKC3	M40
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	110	40	2310 G15	G01
	110	40	2310 G15J30	G01
	110	40	2310 KG15	G40
	110	40	2310 KG15J30	G40
	110	40	2310 KJ30	G40
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	110	27 / 23	30310 C	K01
	110	27 / 19	31310 A	K01
	110	40 / 33	32310 A	K01
	110	40 / 33	32310 VB22	K01
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	110	40	4310 A	C01
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	110	44.4	5310 NRZZ	E36
	110	44.4	5310 ZZ	E21
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	110	27	6310 E	A20
	110	27	6310 EE	A25
	110	27	6310 EEJ30	A25
	110	27	6310 EEJ40	A25
	110	27	6310 FT150	A25
	110	27	6310 FT150ZZ	A21
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	110	27	NU 310 EG15	H05
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	110	40	• 22310 EMW33C3	M02
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	90	11	16011 J30	A01
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	90	27 / 21	33011 A	K01
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	90	18	6011 EEJ30	A25
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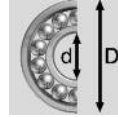
d D



B/C



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d D

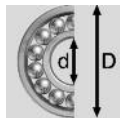


B/C



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	100	35 / 27	33211 A	K01		120	29 / 21	31311 C	K01
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	100	33.3	5211 EE	E25		120	43 / 35	32311 BA	K01
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	100	21	NJ 211 EG15	H11		120	43	NJ 2311 EG15J30	H11
	100	25	NJ 2211 EG15	H11		120	29	NJ 311 EG15	H11
	100	21	NU 211 EG15	H05		120	43	NU 2311 EG15	H05
	100	21	NU 211 EG15J30	H05		120	29	NU 311 H05	
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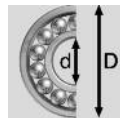
d D



B/C



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d D



B/C

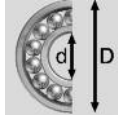


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	130	31 / 22	31312 A	K01
	130	31 / 22	31312 VB22	K01
	130	46 / 37	32312 A	K01
	130	46 / 37	32312 C	K01
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	130	31	6312 J30	A01
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	130	31	6312 ZZJ30	A21
	130	31	6312 ZZJ30D43	A21
	130	31	7312 BA	D01
	130	31	7312 BGA	D01
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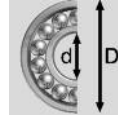
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65 →



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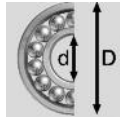


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	130	46	• 22312 EF800	M02		120	38.1	5213 ZZ	E21
	130	46	• 22312 EF801	M02		120	23	6213	A01
	130	46	• <i>22312 EG15KW33</i>	M41		120	23	6213 E	A20
	130	46	• <i>22312 EG15KW33C3</i>	M41		120	23	6213 EE	A25
	130	46	• 22312 EG15W33	M60		120	23	6213 EEJ30	A25
	130	46	• 22312 EG15W33C3	M60		120	23	6213 F600	A01
	130	46	• 22312 EKF800	M03		120	23	6213 F604	A21
	130	46	• 22312 EM	M63		120	23	6213 F605	A01
	130	46	• 22312 EMC3	M63		120	23	6213 FT150	A25
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	130/146	70 / 46	FC 40654 H100			120	23	6213 NR	A62
			AB 40405 S05			120	23	6213 NRJ30	A62
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	100	27 / 21	<i>33013 VC12</i>	K01		120	23	NU 213 EG15	H05
	100		51213	P01		120	23	NU 213 EG15J30	H05
	100	18	6013	A01		120	23	NU 213 EMJ30	H05
	100	18	6013 E	A20		120	31	NU 2213 EG15	H05
	100	18	6013 EE	A25		120	23	NUP 213 EG15	H09
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	100	18	6013 NR	A62		120	31	• 22213 EMKW33C3	M03
	100	18	6013 NRZ	A20		120	31	• 22213 EMW33	M02
	100	18	6013 NZ			120	31	• 22213 EMW33C3	M02
	100	18	6013 S01			135	22	<i>QJ 41208</i>	
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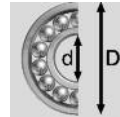
d D



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70 →



d D

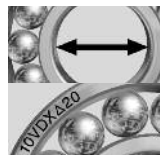


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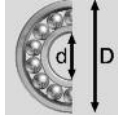


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	140	33	6313 EEJ30D43	A25
	140	33	6313 J30	A01
	140	33	6313 J40	A01
	140	33	6313 NJ30	A61
	140	33	6313 NR	A62
	140	33	6313 NRJ30	A62
	140	33	6313 Z	A20
	140	33	6313 ZJ30	A20
	140	33	6313 ZZ	A21
	140	33	6313 ZZJ30	A21
	140	33	6313 ZZJ30D43	A21
	140	33	6313 ZZJ40	A21
	140	33	7313 BGA	D01
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	140	33	N 313 EG15J30	H02
	140	48	NJ 2313 EG15	H11
	140	33	NJ 313 EG15	H11
	140	48	NU 2313 EG15	H05
	140	48	NU 2313 EMJ30	H05
	140	33	NU 313 EG15	H05
	140	33	NU 313 EG15J30	H05
	140	33	NU 313 EMJ30	H05
	140	33	NUP 313 NM	H10
	140	33	QJ 313 MA	B01
	140	48	• 22313 EAKW33	M41
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	140	48	• 22313 EAKW33C4	M41
	140	48	• 22313 EAW33	M60
	140	48	• 22313 EAW33C3	M60
	140	48	• 22313 EAW33C4	M60
	140	48	• 22313 EF800	M02
	140	48	• 22313 EF801	M02
	140	48	• 22313 EG15KW33C3	M41
	140	48	• 22313 EG15W33	M60
	140	48	• 22313 EG15W33C3	M60
	140	48	• 22313 EKF800	M03
	140	48	• 22313 EMW33	M02
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70	90	10	61814	A01
	90	10	<i>61814 2RSY</i>	A25
	90	10	61814 EE	A25
	90	10	<i>61814 Y</i>	A01
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	110	25 / 19	32014 A	K01
	110	31 / 25.5	33014 A	K01
	110	20	6014	A01
	110	20	6014 E	A20
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	110	20	6014 NREEJ30	A39
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	125	41 / 32	33214 A	K01
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	125	39.7	5214 NRZZ	E36
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	125	24	6214 E	A20
	125	24	6214 EE	A25
	125	24	6214 EEJ30	A25
	125	24	6214 F600	A01
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	125	24	6214 J20	A01
	125	24	6214 J30	A01
	125	24	<i>6214 Z</i>	A20
	125	24	6214 ZZ	A21
	125	24	6214 ZZJ30	A21
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	125	24	NU 214 EG15	H05
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	125	24	NUP 214 EG15	H09
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	125	31	• 22214 EAKW33C3	M41
	125	31	• 22214 EAW33	M60
	125	31	• 22214 EAW33C3	M60
	125	31	• 22214 EAW33C4	M60
	125	31	• 22214 EG15W33	M60
	125	31	• 22214 EG15W33C3	M60
	125	31	• 22214 EMKW33	M03
	125	31	• 22214 EMKW33C3	M03
	125	31	• 22214 EMW33	M02
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	150	51 / 42	32314 A	K01
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	150	63.5	3314 BJ30	E72
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70 →



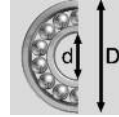
d D



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75 →



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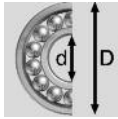


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	150	35	NU 314 EG15	H05		130	25	7215 BGA	D01	
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	150	51	• 22314 EAW33	M60		130	25	NU 215 EG15	H05	
	150	51	• 22314 EAW33C3	M60		130	25	NU 215 EG15J30	H05	
	150	51	• 22314 EAW33C4	M60		130	25	NU 215 EMJ30	H05	
	150	51	• 22314 EF800	M02		130	31	NU 2215 EG15	H05	
	150	51	• 22314 EF801	M02		130	25	NUP 215 EG15	H09	
	150	51	• <i>22314 EG15KW33</i>	M41		130	31	• 22215 EAKW33	M41	
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	150	51	• 22314 EG15W33	M60		130	31	• 22215 EAW33	M60	
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	150	51	• 22314 EKF800	M03		130	31	• 22215 EAW33C4	M60	
	150	51	• 22314 EMKW33C3	M03		130	31	• <i>22215 EG15W33</i>	M60	
	150	51	• 22314 EMW33	M02		130	31	• 22215 EG15W33C3	M60	
	150	51	• 22314 EMW33C3	M02		130	31	• 22215 EMKW33	M03	
	180	42	6414	A01		130	31	• 22215 EMKW33C3	M03	
						130	31	• 22215 EMW33	M02	
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	75	95	10	61815		A01	130	31	1315	G01
		95	10	<i>61815 2RSY</i>		A25	160	37	1315 KJ30	G40
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130		31	2215	G01	160	37	NU 2315 EG15	H05		
130		31	2215 K	G40	160	55	NU 2315 EMJ30	H05		
130		31	2215 KJ30	G40	160	55	NU 315 EG15	H05		
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75 →



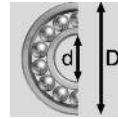
d D



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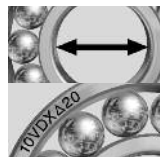


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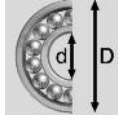


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160	55	• 22315 EKF800	M03	
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	100	<i>61816 Y</i>	A01	
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	125	33016 A	K01	
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	125	6016 EE	A25	
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	125	6016 J30	A01	
	125	6016 ZZ	A21	
	125	6016 ZZJ30	A01	
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	140	6216	A01	
	140	6216 EE	A25	
	140	6216 EEJ30	A25	
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	140	6216 ZZ	A21	
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		N 216 EG15	H02	

80				
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140	33	NU 2216 EG15	H05	
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140	33	• 22216 EAW33	M60	
140	33	• <i>22216 EAW33C2</i>	M60	
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140	33	• 22216 EAW33C4	M60	
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140	33	• <i>22216 EG15W33</i>	M60	
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140	33	• 22216 EMW33	M02	
140	33	• 22216 EMW33C3	M02	
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170	39 / 33	30316 A	K01	
170	58 / 48	32316 BC12	K01	
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170		<i>51416</i>	P01	
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170	39	6316 ZZJ30D43	A21	
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85 →



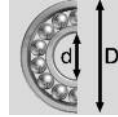
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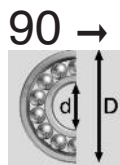
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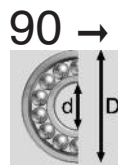
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	130	14	16017	A01		180	41	6317	A01
	130	29 / 22	32017 A	K01		180	41	6317 EE	A25
	130	36 / 29.5	33017 A	K01		180	41	6317 EEJ30	A25
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	130	22	6017	A01		180	41	<i>6317 J40</i>	A01
	130	22	6017 EE	A25		180	41	6317 ZZ	A21
	130	22	6017 EEJ30	A25		180	41	6317 ZZJ30	A21
	130	22	6017 EEJ30D43	A25		180	41	7317 BGM	D01
	130	22	6017 J30	A01		180	41	N 317 EM	H02
	130	22	6017 N	A61		180	41	N 317 EMJ30	H02
	130	22	6017 NR	A62		180	41	NJ 317 EG15	H11
	130	22	6017 NRJ30	A62		180	60	NU 2317 EG15	H05
	130	22	6017 Z	A20		180	41	NU 317 EG15	H05
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	150	28 / 24	30217 A	K01		180	60	• 22317 EAW33	M60
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	150	36 / 30	32217 A	K01		180	60	• 22317 EAW33C4	M60
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	150	28	<i>6217 J20</i>	A01					
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	150	28	7217 BGM	D01			115 13	<i>61818 2RSY</i>	A25
	150	45 / 35	7700017 VB22	K01			115 13	61818 2ZY	A21
	150	28	N 217 EG15	H02			115 13	61818 EE	A25
	150	28	N 217 EG15J30	H02			115 13	<i>61818 Y</i>	A01
	150	28	NJ 217 EG15	H11			115 13	AB 40285 S01	A25
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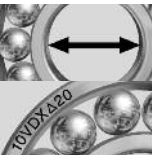


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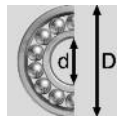


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	160	30	6218 J30	A01
	160	30	6218 ZZ	A21
	160	30	6218 ZZJ30	A21
	160	30	7218 BGM	D01
	160	30	N 218 EG15	H02
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	160	30	NJ 218 EG15	H11
	160	40	NJ 2218 EG15	H11
	160	30	NU 218 EG15	H05
	160	30	NU 218 EG15J30	H05
	160	30	NU 218 EMJ30	H05
	160	40	NU 2218 EG15	H05
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	160	40	• 22218 EAW33	M60
	160	40	• 22218 EAW33C3	M60
	160	40	• 22218 EAW33C4	M60
	160	40	• 22218 EAW33C4	M60
	160	40	• 22218 EG15KW33	M60
	160	40	• 22218 EG15KW33C3	M41
	160	40	• 22218 EG15W33C3	M60
	160	40	• 22218 EMW33	M02
	160	40	• 22218 EMW33C3	M02
	160	40	• 23218 EAKW33	M41
	160	52.4	• 23218 EAKW33C3	M41
	160	52.4	• 23218 EAW33	M60
	160	52.4	• 23218 EAW33C3	M60
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	160	52.4	• 23218 EMKW33	M03
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	190	43	6318 EEJ30	A25
	190	43	6318 J30	A01
	190	43	6318 ZZ	A21
	190	43	6318 ZZJ30	A21
	190	43	7318 BGM	D01
	190	43	N 318 EM	H02
	190	43	N 318 EMJ30	H02
	190	43	NJ 318 EG15	H11
	190	64	NU 2318 EG15	H05
	190	43	NU 318 EG15	H05
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	145	32 / 24	32019 A	K01
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	145	39 / 32.5	33019 VC12	K01
	145	24	6019	A01
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	170	32	6219 J30	A01
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	170	43	NJ 2219 EG15	H11
	170	32	NU 219 EG15	H05
	170	32	NU 219 EG15J30	H05
	170	32	NU 219 EMJ30	H05
	170	43	NU 2219 EG15	H05
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	170	43	• 22219 EAKW33C3	M41
	170	43	• 22219 EAKW33C4	M41
	170	43	• 22219 EAW33	M60
	170	43	• 22219 EAW33C3	M60
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	170	43	• 22219 EMW33C3	M02
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95 →



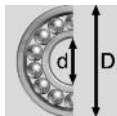
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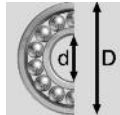


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	200	67	• 22319 EA	☎		180	34	7220 BGM	D01
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	200	67	• 22319 EMKW33	M03		180	34	NU 220 EG15J30	H05
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	200	67	• 22319 EMW33	M02		180	46	NU 2220 EG15	H05
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	95,8	140	26	<i>GR 10412</i>		H14	180	46	• 22220 EAKW33
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	150	39 / 32.5	<i>33020 VC12</i>	K01	180	60.3	• 23220 EAW33	M60	
	150	24	6020	A01	180	60.3	• 23220 EAW33C3	M60	
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	165	52	• 23120 EG15W33C3	M60	215	73	• 22320 EAW33	M60	
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	180	34 / 29	<i>30220 C</i>	K01	215	73			
	180	46 / 39	32220 A	K01	130	13	61821	A01	
	180	46 / 39	<i>32220 C</i>	K01	130	13	61821 ZZY	A21	
	180	34	6220	A01	130	13	61821 EE	A25	
180	34	6220 EE	A25	130	13	<i>61821 Y</i>	A01		
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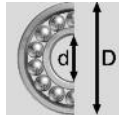
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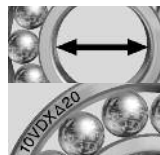


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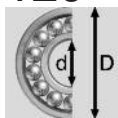


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	160	26	6021 EE	A25
	160	26	6021 EEJ30	A25
	160	26	6021 J30	A01
	190	36 / 30	30221 A	K01
	190	50 / 43	32221 A	K01
	190	36	6221	A01
	190	36	6221 J30	A01
	190	36	NJ 221 EG15	H11
	190	36	NU 221 EG15	H05
	190	36	NU 221 EG15J30	H05
	190	36	NU 221 EMJ30	H05
	225	49	7321 BGM	D01
	225	49	NU 321 EMJ30	H05
110	140	16	61822	A01
	140	16	61822 ZZY	A21
	140	16	61822 EE	A25
	140	16	61822 EEJ30	A25
	140	16	61824 2RSY	A25
	140	16	61824 Y	A01
	145		51122	P01
	170	19	16022	A01
	170	38 / 29	32022 A	K01
	170	47 / 37	33022 A	K01
	170	47 / 37	33022 VC12	K01
	170	28	6022	A01
	170	28	6022 EE	A25
	170	28	6022 EEJ30	A25
	170	28	6022 J30	A01
	170	45	• 23022 EAKW33	M41
	170	45	• 23022 EAKW33C3	M41
	170	45	• 23022 EAW33	M60
	170	45	• 23022 EAW33C3	M60
	170	45	• 23022 EAW33C4	M02
	170	45	• 23022 EMKW33	M03
	170	45	• 23022 EMKW33C3	M03
	170	45	• 23022 EMW33	M02
	170	45	• 23022 EMW33C3	M02
	180	56	23122 VKW33C3	N41
	180	41 / 30.16	EC 10699	K01
	180	56	• 23122 EAKW33	M41
	180	56	• 23122 EAKW33C3	M41
	180	56	• 23122 EAW33	M60
	180	56	• 23122 EAW33C3	M60
	180	56	• 23122 EAW33C4	M60
	180	56	• 23122 EMKW33	M03
	180	56	• 23122 EMKW33C3	M03
	180	56	• 23122 EMW33	M02
	180	56	• 23122 EMW33C3	M02
	180	56	• 23122 EMW33C4	M02
	180	69	• 24122 EAW33	M04
	180	69	• 24122 EAW33C3	M04
	180	69	• 24122 EAW33C4	M04
	190		29322	Q01
	200	38	1222	G01
	200	38	1222 KJ30	G40
	200	38 / 32	30222 A	K01
	200	53 / 46	32222 A	K01
	200	38	6222	A01
	200	38	6222 J30	A01
	200	38	7222 BGM	D01
	200	38	N 222 EM	H02
	200	38	N 222 EMJ30	H02
	200	38	NJ 222 EG15	H11

110	200	38	NJ 222 EG15J30	H11
	200	38	NU 222 EG15	H05
	200	38	NU 222 EG15J30	H05
	200	38	NU 222 EMJ30	H05
	200	53	NU 2222 EG15	H05
	200	53	• 22222 EAKW33	M41
	200	53	• 22222 EAKW33C3	M41
	200	53	• 22222 EAKW33C4	M41
	200	53	• 22222 EAW33	M60
	200	53	• 22222 EAW33C2	M60
	200	53	• 22222 EAW33C3	M60
	200	53	• 22222 EAW33C4	M60
	200	53	• 22222 EMKW33C3	M03
	200	53	• 22222 EMW33	M02
	200	53	• 22222 EMW33C3	M02
	200	69.8	• 23222 EAKW33	M41
	200	69.8	• 23222 EAKW33C3	M41
	200	69.8	• 23222 EAKW33C4	M41
	200	69.8	• 23222 EAW33	M60
	200	69.8	• 23222 EAW33C3	M60
	200	69.8	• 23222 EMKW33	M03
	200	69.8	• 23222 EMKW33C3	M03
	200	69.8	• 23222 EMW33	M02
	200	69.8	• 23222 EMW33C3	M02
	200	69.8	• 23222 EMW33C4	M02
	230		29422	Q01
	240	50	6322	A01
	240	50	6322 J30	A01
	240	50	7322 BGM	D01
	240	50	N 322 EM	H02
	240	50	N 322 EMJ30	H02
	240	50	NJ 322 EG15	H11
	240	50	NJ 322 EM	H11
	240	50	NJ 322 EMJ30	H11
	240	80	NU 2322 EMJ30	H05
	240	50	NU 322 EG15	H05
	240	50	NU 322 EG15J30	H05
	240	50	NU 322 EMJ30	H05
	240	80	• 22322 EAKW33	M41
	240	80	• 22322 EAKW33C3	M41
	240	80	• 22322 EAKW33C4	M41
	240	80	• 22322 EAW33	M60
	240	80	• 22322 EAW33C3	M60
	240	80	• 22322 EAW33C4	M60
	240	80	• 22322 EF800	M02
	240	80	• 22322 EF803	M02
	240	80	• 22322 EKF800	M03
	240	80	• 22322 EMKW33	M03
	240	80	• 22322 EMKW33C3	M03
	240	80	• 22322 EMKW33C4	M03
	240	80	• 22322 EMW33	M02
	240	80	• 22322 EMW33C3	M02
	240	80	• 22322 EMW33C4	M02
120	150	16	61824	A01
	150	16	61824 ZZY	A21
	150	16	61824 EE	A25
	155		51124	P01
	165	22	61924 AG15J30	A01
	170	25 / 19.5	T 4CB120	K01
	180	19	16024	A01
	180	19	16024 AG15	☰
	180	19	16024 J30	A01
	180	38 / 29	32024 A	K01
	180	48 / 38	33024 A	K01
	180	28	6024	A01



120 →



d D

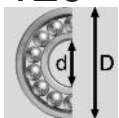


B/C



120	180	28	6024 E	A20
	180	28	6024 EE	A25
	180	28	6024 EEJ30	A25
	180	28	6024 J30	A01
	180	28	6024 J50	A01
	180	28	6024 NR	A62
	180	28	6024 NRJ30	A62
	180	46	• 23024 EAKW33	M41
	180	46	• 23024 EAKW33C3	M41
	180	46	• 23024 EAW33	M60
	180	46	• 23024 EAW33C2	M60
	180	46	• 23024 EAW33C3	M60
	180	46	• 23024 EAW33C4	M60
	180	46	• 23024 EMKW33	M03
	180	46	• 23024 EMKW33C3	M03
	180	46	• 23024 EMW33	M02
	180	46	• 23024 EMW33C3	M02
	180	60	• 24024 EAK30W33C3	M05
	180	60	• 24024 EAW33	M04
	180	60	• 24024 EAW33C3	M04
	180	60	• 24024 EAW33C4	M04
	180	60	• 24024 VMK30W33C3	M03
	180	60	• <i>24024 VMW33</i>	M02
	180	60	• 24024 VMW33C3	M02
	200	62	• 23124 EAKW33	M41
	200	62	• 23124 EAKW33C3	M41
	200	62	• 23124 EAW33	M60
	200	62	• 23124 EAW33C3	M60
	200	62	• 23124 EAW33C4	M60
	200	62	• 23124 EMKW33	M03
	200	62	• 23124 EMKW33C3	M03
	200	62	• 23124 EMW33	M02
	200	62	• 23124 EMW33C3	M02
	200	80	• 24124 EAK30W33C3	M05
	200	80	• 24124 EAW33	M04
	200	80	• 24124 EAW33C3	M04
	200	80	• 24124 EAW33C4	M04
	210		29324	Q01
	215	40 / 34	30224 A	K01
	215	58 / 50	32224 A	K01
	215	40	6224	A01
	215	40	6224 J30	A01
	215	40	7224 BGM	D01
	215	40	NJ 224 EG15	H11
	215	58	NU 2224 EG15	H05
	215	40	NU 224 EG15	H05
	215	40	NU 224 EG15J30	H05
	215	40	NU 224 EMJ30	H05
	215	58	• 22224 EAKW33	M41
	215	58	• 22224 EAKW33C3	M41
	215	58	• 22224 EAKW33C4	M41
	215	58	• 22224 EAW33	M60
	215	58	• 22224 EAW33C3	M60
	215	58	• <i>22224 EAW33C4</i>	M60
	215	58	• 22224 EKW33MC3	M03
	215	58	• 22224 EMW33	M02
	215	58	• 22224 EMW33C3	M02
	215	76	• 23224 EMKW33	M03
	215	76	• 23224 EMKW33C3	M03
	215	76	• 23224 EMW33	M02
	215	76	• 23224 EMW33C3	M02
	250		29424	Q01
	260	55	6324 M	A01
	260	55	6324 MJ30	A01
	260	55	7324 BGM	D01
	260	55	N 324 EMJ30	H02

120 →



d D

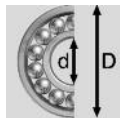


B/C



120	260	55	NJ 324 EG15	H11
	260	55	NJ 324 EG15J30	H11
	260	55	NJ 324 EM	H11
	260	55	NJ 324 EMJ30	H11
	260	86	NU 2324 EMJ30	H05
	260	55	NU 324 EG15	H05
	260	55	NU 324 EMJ30	H05
	260	55	NU 324 ES01	H05
	260	86	• 22324 EAKW33	M41
	260	86	• 22324 EAKW33C3	M41
	260	86	• 22324 EAW33	M60
	260	86	• 22324 EAW33C3	M60
	260	86	• 22324 EAW33C4	M60
	260	86	• 22324 EF800	M02
	260	86	• 22324 EKf800	M03
	260	86	• 22324 EMC3	
	260	86	• 22324 EMKW33C3	M03
	260	86	• 22324 EMW33	M02
	260	86	• 22324 EMW33C3	M02
130	165	18	61826	A01
	165	18	61826 2RS	A25
	165	18	61826 2RSC3	A25
	165	18	61826 2Z	A21
	170		51126	P01
	185	27 / 21	T 4CB130	K01
	200	22	16026	A01
	200	22	16026J30	A01
	200	45 / 34	32026 A	K01
	200	33	6026	A01
	200	33	6026 J30	A01
	200	52	• 23026 EAKW33	M41
	200	52	• 23026 EAKW33C3	M41
	200	52	• 23026 EAW33	M60
	200	52	• 23026 EAW33C3	M60
	200	52	• 23026 EAW33C4	M60
	200	52	• 23026 EMKW33C3	M03
	200	52	• 23026 EMW33	M02
	200	52	• 23026 EMW33C3	M02
	200	69	• 24026 EAK30W33C3	M05
	200	69	• 24026 EAK30W33C4	M05
	200	69	• 24026 EAW33	M04
	200	69	• 24026 EAW33C3	M04
	210	64	• 23126 EAKW33	M41
	210	64	• 23126 EAKW33C3	M41
	210	64	• 23126 EAW33	M60
	210	64	• 23126 EAW33C3	M60
	210	64	• 23126 EAW33C4	M60
	210	64	• 23126 EMKW33C3	M03
	210	64	• 23126 EMW33	M02
	210	64	• 23126 EMW33C3	M02
	210	64	• 23126 EMW33C4	M02
	210	80	• 24126 EAK30W33	M05
	210	80	• 24126 EAK30W33C3	M05
	210	80	• 24126 EAW33	M04
	210	80	• 24126 EAW33C3	M04
	210	80	• 24126 EAW33C4	M04
	225		29326	Q01
	230	40 / 34	30226 A	K01
	230	64 / 54	32226 A	K01
	230	40	6226	A01
	230	40	6226 J30	A01
	230	40	7226 BGM	D01
	230	40	NJ 226 EG15	H11
	230	64	NU 2226 EG15	H05
	230	40	NU 226 EG15	H05

130 →



d D

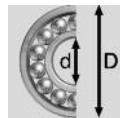


B/C



130				
230	40	NU 226 EG15J30	H05	
230	40	NU 226 EMJ30	H05	
230	64	• 22226 EAKW33	M41	
230	64	• 22226 EAKW33C3	M41	
230	64	• <i>22226 EAKW33C4</i>	M41	
230	64	• 22226 EAW33	M60	
230	64	• 22226 EAW33C3	M60	
230	64	• 22226 EAW33C4	M60	
230	64	• 22226 EMW33	M02	
230	64	• 22226 EMW33C3	M02	
230	80	• 23226 EMKW33	M03	
230	80	• 23226 EMKW33C3	M03	
230	80	• 23226 EMW33	M02	
230	80	• 23226 EMW33C3	M02	
270		29426	Q01	
280	58	6326 MJ30	A01	
280	58	7326 BGM	D01	
280	58	N 326 EMJ30	H02	
280	58	NJ 326 EG15	H11	
280	58	NJ 326 EMJ30	H11	
280	93	NU 2326 EMJ30	H05	
280	58	NU 326 EG15	H05	
280	58	NU 326 EMJ30	H05	
280	93	• 22326 EAKW33	M41	
280	93	• 22326 EAKW33C3	M41	
280	93	• 22326 EAW33	M60	
280	93	• 22326 EAW33C3	M60	
280	93	• 22326 EF800	M02	
280	93	• 22326 EKF800	M03	
280	93	• 22326 EMKW33	M03	
280	93	• 22326 EMKW33C3	M03	
280	93	• 22326 EMW33	M02	
280	93	• 22326 EMW33C3	M02	
280	93	• 22326 EMW33C4	M02	
140	175	61828	A01	
175	18	61828 2RS	A25	
175	18	61828 2Z	A21	
210	22	16028	A01	
210	45 / 34	32028 A	K01	
210	33	6028	A01	
210	33	6028 J30	A01	
210	53	• 23028 EAKW33C3	M41	
210	53	• 23028 EAKW33C4	M41	
210	53	• 23028 EAW33	M60	
210	53	• 23028 EAW33C3	M60	
210	53	• 23028 EAW33C4	M60	
210	53	• 23028 EMKW33C3	M03	
210	53	• 23028 EMW33	M02	
210	53	• 23028 EMW33C3	M02	
210	69	• 24028 EAK30W33	M05	
210	69	• 24028 EAK30W33C3	M05	
210	69	• 24028 EAK30W33C4	M05	
210	69	• 24028 EAW33	M04	
210	69	• 24028 EAW33C3	M04	
210	69	• 24028 EAW33C4	M04	
225	68	• 23128 EAKW33	M41	
225	68	• 23128 EAKW33C3	M41	
225	68	• 23128 EAW33	M02	
225	68	• 23128 EAW33C4	M60	
225	68	• 23128 EMKW33	M03	
225	68	• 23128 EMKW33C3	M03	
225	68	• 23128 EMW33	M02	
225	68	• 23128 EMW33C3	M02	
225	68	• 23128 EMW33C4	M02	
225	85	• 24128 EAK30W33C3	M05	

140 →



d D



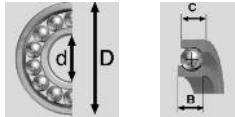
B/C



140				
225	85	• 24128 EAW33	M04	
225	85	• 24128 EAW33C3	M04	
225	85	• 24128 EAW33C4	M04	
240		29328	Q01	
250	42 / 36	30228 A	K01	
250	68 / 58	32228 A	K01	
250	42	6228	A01	
250	42	7228 BGM	D01	
250	42	N 228 EMJ30	H02	
250	42	NJ 228 EMJ30	H11	
250	42	NU 228 EMJ30	H05	
250	68	• 22228 EAKW33	M41	
250	68	• 22228 EAKW33C3	M41	
250	68	• 22228 EAKW33C4	M41	
250	68	• 22228 EAW33	M60	
250	68	• 22228 EAW33C3	M60	
250	68	• 22228 EMKW33C3	M03	
250	68	• 22228 EMW33	M02	
250	68	• 22228 EMW33C3	M02	
250	88	• 23228 EMKW33	M03	
250	88	• 23228 EMKW33C3	M03	
250	88	• 23228 EMKW33C4	M03	
250	88	• 23228 EMW33	M02	
250	88	• 23228 EMW33C3	M02	
280		29428	Q01	
300	62	6328 MJ30	A01	
300	62	7328 BGM	D01	
300	62	N 328 EMJ30	H02	
300	102	NU 2328 EMJ30	H05	
300	62	NU 328 EG15	H05	
300	62	NU 328 EMJ30	H05	
300	102	• 22328 EAKW33	M41	
300	102	• 22328 EAKW33C3	M41	
300	102	• 22328 EAW33	M60	
300	102	• 22328 EAW33C3	M60	
300	102	• 22328 EAW33C4	M60	
300	102	• 22328 EF800	M02	
300	102	• 22328 EKF800	M03	
300	102	• 22328 EMKW33C3	M03	
300	102	• 22328 EMW33	M02	
300	102	• 22328 EMW33C3	M02	
300	102	• 22328 EMW33C4	M02	
150	190	51130	P01	
190	20	61830	A01	
225	48 / 36	32030 A	K01	
225	35	6030	A01	
225	35	6030 J30	A01	
225	56	• 23030 EAKW33	M41	
225	56	• 23030 EAKW33C3	M41	
225	56	• 23030 EAW33	M60	
225	56	• 23030 EAW33C3	M60	
225	56	• 23030 EAW33C4	M60	
225	56	• 23030 EMKW33C3	M03	
225	56	• 23030 EMW33	M02	
225	56	• 23030 EMW33C3	M02	
225	56	• 23030 EMW33C4	M02	
225	75	• 24030 EAK30W33C3	M05	
225	75	• 24030 EAK30W33C4	M05	
225	75	• 24030 EAW33	M04	
225	75	• 24030 EAW33C3	M04	
225	75	• 24030 EAW33C4	M04	
250		29330	Q01	
250	80	• 23130 EAKW33	M41	
250	80	• 23130 EAKW33C3	M41	
250	80	• 23130 EAW33	M60	



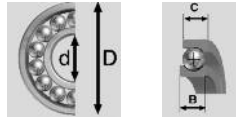
150 →



d D B/C



160 →

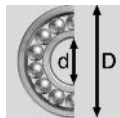


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150	250	80	• 23130 EAW33C3	M60	160	270	86	• 23132 EMKW33	M03		
	250	80	• 23130 EMKW33C3	M03		270	86	• 23132 EMKW33C3	M03		
	250	80	• 23130 EMKW33C4	M03		270	86	• 23132 EMW33	M02		
	250	80	• 23130 EMW33	M02		270	86	• 23132 EMW33C3	M02		
	250	80	• 23130 EMW33C3	M02		270	86	• 23132 EMW33C4	M02		
	250	80	• 23130 EMW33C4	M02		270	86	• 23132 EMW33C5	M02		
	250	100	• 24130 EAK30W33C4	M05		270	109	• 24132 EAK30W33C3	M05		
	250	100	• 24130 EAW33	M04		270	109	• 24132 EAW33	M04		
	250	100	• 24130 EAW33C3	M04		270	109	• 24132 EAW33C3	M04		
	250	100	• 24130 EAW33C4	M04		270	109	• 24132 EAW33C4	M04		
	270	45 / 38	30230 A	K01		290	80 / 67	32232 A	K01		
	270	73 / 60	32230 A	K01		290	48	6232 M	A01		
	270	45	6230	A01		290	48	6232 MJ30	A01		
	270	45	7230 BGM	D01		290	48	7232 BGM	D01		
	270	45	NJ 230 EMJ30	H11		290	48	NJ 232 EMJ30	H11		
	270	45	NU 230 EMJ30	H05		290	48	NU 232 EMJ30	H05		
	270	73	• 22230 EAKW33	M41		290	80	• 22232 EAKW33	M41		
	270	73	• 22230 EAKW33C3	M41		290	80	• 22232 EAKW33C3	M41		
	270	73	• 22230 EAW33	M60		290	80	• 22232 EAKW33C4	M41		
	270	73	• 22230 EAW33C3	M60		290	80	• 22232 EAW33	M60		
	270	73	• 22230 EMKW33	M03		290	80	• 22232 EAW33C3	M60		
	270	73	• 22230 EMKW33C3	M03		290	80	• 22232 EAW33C4	M60		
	270	73	• 22230 EMW33	M02		290	80	• 22232 EMKW33	M03		
	270	73	• 22230 EMW33C3	M02		290	80	• 22232 EMKW33C3	M03		
	270	96	• 23230 EMKW33C3	M03		290	80	• 22232 EMKW33C4	M03		
	270	96	• 23230 EMW33	M02		290	80	• 22232 EMW33	M02		
	270	96	• 23230 EMW33C3	M02		290	80	• 22232 EMW33C3	M02		
	300		29430	Q01		290	80	• 22232 EMW33C4	M02		
	320	65	6330 MJ30	A01		290	104	• 23232 EMKW33	M03		
	320	65	7330 BGM	D01		290	104	• 23232 EMKW33C3	M03		
	320	65	N 330 EMJ30	H02		290	104	• 23232 EMW33	M02		
	320	108	NU 2330 EMJ30	H05		290	104	• 23232 EMW33C3	M02		
	320	65	NU 330 EMJ30	H05		290	104	• 23232 EMW33C4	M02		
	320	108	• 22330 EF800	M02		320		29432	Q01		
	320	108	• 22330 EF802	M02		340	68	6332 MJ30	A01		
320	108	• 22330 EKF800	M03	340	68	7332 BGM	D01				
320	108	• 22330 EMKW33C3	M03	340	114	NU 2332 EMJ30	H05				
320	108	• 22330 EMW33	M02	340	114	• 22332 EF800	M02				
320	108	• 22330 EMW33C3	M02	340	114	• 22332 EF802	M02				
320	108	• 22330 EMW33C4	M02	340	114	• 22332 EKF800	M03				
160	200		51132	P01	340	114	• 22332 EMKW33C3	M03			
	200	20	61832	A01	340	114	• 22332 EMW33	M02			
	200	30 / 23	T 4DB160	K01	340	114	• 22332 EMW33C3	M02			
	240	25	16032	A01	340	114	• 22332 EMW33C4	M02			
	240	51 / 38	32032 A	K01	340	114	170	215	22	61834	A01
	240	38	6032 MJ30	A01	260	28		16034	A01		
	240	60	• 23032 EAW33	M60	260	57 / 43		32034 A	K01		
	240	60	• 23032 EAW33C3	M60	260	42		6034 M	A01		
	240	60	• 23032 EMKW33	M03	260	42		6034 MJ30	A01		
	240	60	• 23032 EMKW33C3	M03	260	67		• 23034 EAKW33C3	M41		
	240	60	• 23032 EMW33	M02	260	67		• 23034 EAKW33C4	M41		
	240	60	• 23032 EMW33C3	M02	260	67		• 23034 EAW33	M60		
	240	60	• 23032 EMW33C4	M02	260	67		• 23034 EAW33C3	M60		
	240	80	• 24032 EAK30W33	M05	260	67		• 23034 EAW33C4	M60		
	240	80	• 24032 EAK30W33C3	M05	260	67	• 23034 EMKW33	M03			
	240	80	• 24032 EAK30W33C4	M05	260	67	• 23034 EMKW33C3	M03			
	240	80	• 24032 EAW33	M04	260	67	• 23034 EMKW33C4	M03			
	240	80	• 24032 EAW33C3	M04	260	67	• 23034 EMW33	M02			
	240	80	• 24032 EAW33C4	M04	260	67	• 23034 EMW33C3	M02			
	240	80	• 24032 EAW33C5	M04	260	67	• 23034 EMW33C4	M02			
	270		29332	Q01	260	90	• 24034 EAW33	M04			
	270	86	• 23132 EAKW33	M41	260	90	• 24034 EAW33C3	M04			
	270	86	• 23132 EAKW33C3	M41	280		29334	Q01			
	270	86	• 23132 EAW33	M60	280	88	• 23134 EAKW33	M41			
	270	86	• 23132 EAW33C3	M60	280	88	• 23134 EAKW33C3	M41			

170 →



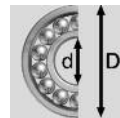
d D



B/C



190 →



d D



B/C

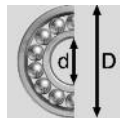


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	280	88	• 23134 EAW33C3	M60	
	280	88	• 23134 EMKW33	M03	
	280	88	• 23134 EMKW33C3	M03	
	280	88	• 23134 EMW33	M02	
	280	88	• 23134 EMW33C3	M02	
	280	109	• 24134 EAK30W33C3	M05	
	280	109	• 24134 EAW33	M04	
	280	109	• 24134 EAW33C3	M04	
	310	110	23234 VMKW33C3	N41	
	310	110	23234 VMKW33C4	N41	
	310	110	23234 VMW33	N60	
	310	110	23234 VMW33C3	N60	
	310	86 / 71	32234 A	K01	
	310	52	6234 MJ30	A01	
	310	52	7234 BGM	D01	
	310	52	NU 234 EMJ30	H05	
	310	86	• 22234 EMKW33C3	M03	
	310	86	• 22234 EMKW33C4	M03	
	310	86	• 22234 EMW33	M02	
	310	86	• 22234 EMW33C3	M02	
	340		29434	Q01	
	360	72	7334 BGM	D01	
	360	72	N 334 EMJ30	H02	
	360	120	• 22334 EF800	M02	
	360	120	• 22334 EF802	M02	
	360	120	• 22334 EKF800	M03	
	360	120	• 22334 EMKW33	M03	
	360	120	• 22334 EMKW33C3	M03	
	360	120	• 22334 EMW33	M02	
	360	120	• 22334 EMW33C3	M02	
	180	225	22	61836	A01
		280	31	16036	A01
		280	64 / 48	32036 A	K01
280		46	6036 MJ30	A01	
280		74	• 23036 EAKW33C3	M41	
280		74	• 23036 EAKW33C4	M41	
280		74	• 23036 EAW33	M60	
280		74	• 23036 EAW33C3	M60	
280		74	• 23036 EAW33C4	M60	
280		74	• 23036 EMKW33C3	M03	
280		74	• 23036 EMKW33C4	M03	
280		74	• 23036 EMW33	M02	
280		74	• 23036 EMW33C3	M02	
280		100	• 24036 EAK30W33	M05	
280		100	• 24036 EAK30W33C3	M05	
280		100	• 24036 EAW33	M04	
280		100	• 24036 EAW33C3	M04	
280		100	• 24036 EAW33C4	M04	
280		100	• 24036 EAW34C4	M04	
300			29336	Q01	
300		96	• 23136 EAKW33	M41	
300		96	• 23136 EAKW33C3	M41	
300		96	• 23136 EAW33	M60	
300		96	• 23136 EAW33C3	M60	
300		96	• 23136 EMKW33	M03	
300		96	• 23136 EMKW33C3	M03	
300		96	• 23136 EMW33	M02	
300		96	• 23136 EMW33C3	M02	
300		96	• 23136 EMW33C4	M03	
300		96	• 23136 EMW33C5	M03	
300		118	• 24136 EAW33C3	M04	
300		118	• 24136 EAW33C4	M04	
320		112	23236 VMKW33C3	N41	

190	320	112	23236 VMW33	N60
	320	112	23236 VMW33C3	N60
	320	86 / 71	32236 A	K01
	320	52	6236 MJ30	A01
	320	52	NU 236 EMJ30	H05
	320	86	• 22236 EMKW33	M03
	320	86	• 22236 EMKW33C3	M03
	320	86	• 22236 EMKW33C4	M03
	320	86	• 22236 EMW33	M02
	320	86	• 22236 EMW33C3	M02
	320	86	29436	Q01
	360		22336 VMKW33C3	N41
	380	126	22336 VMW33	N60
	380	126	22336 VMW33C3	N60
	240	24	61838	A01
	290	31	16038	A01
	290	64 / 48	32038 A	K01
	290	46	6038 MJ30	A01
	290	75	• 23038 EAKW33C3	M41
	290	75	• 23038 EAW33	M60
	290	75	• 23038 EAW33C3	M60
	290	75	• 23038 EMKW33	M03
	290	75	• 23038 EMKW33C3	M03
	290	75	• 23038 EMW33	M02
	290	75	• 23038 EMW33C3	M02
	290	100	• 24038 EMK30W33	M03
	290	100	• 24038 EMK30W33C3	M03
	290	100	• 24038 EMW33	M02
	290	100	• EMW33C3	M02
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	320	104	23138 VMKW33C4	N41
	320	104	23138 VMW33	N60
	320	104	23138 VMW33C3	N60
	320	128	29338 E	Q01
320	128	• 24138 EAK30W33C3	M05	
320	128	• 24138 EAW33C3	M04	
340	120	• 24138 EAW33C4	M04	
340	120	23238 VMKW33C3	N41	
340	120	23238 VMW33	N60	
340	55	23238 VMW33C3	N60	
340	55	6238 MJ30	A01	
340	92	NU 238 EMJ30	H05	
340	92	• 22238 EMKW33	M03	
340	92	• 22238 EMKW33C3	M03	
340	92	• 22238 EMW33	M02	
340	92	• 22238 EMW33C3	M02	
380		29438	Q01	
400	132	22338 VMKW33C3	N41	
400	132	22338 VMW33C3	N60	
400	78	N 338 EMJ30	H02	
200	250	24	61840	A01
	280	60	23940 VMW33	N60
	280	51 / 39	32940	K01
	310	34	16040	A01
	310	70 / 53	32040 A	K01
	310	51	6040 MJ30	A01
	310	82	• 23040 EAKW33	M41
	310	82	• 23040 EAKW33C3	M41
	310	82	• 23040 EAW33	M60
	310	82	• 23040 EAW33C3	M60
	310	82	• 23040 EMKW33C3	M03
	310	82	• 23040 EMKW33C4	M03
	310	82	• 23040 EMW33	M02
	310	82	• 23040 EMW33C3	M02
	310	109	• 24040 EMK30W33	M03



200 →



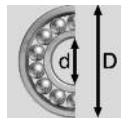
d D



B/C



240 →



d D

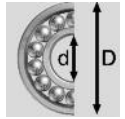


B/C



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	310	109	• 24040 EMW33C3	M02		360	118	24048 VMW33	M02	
	340	112	23140 VMKW33C3	N41		360	118	24048 VMW33C3	M02	
	340	112	23140 VMKW33C4	N41		360	76 / 57	32048 A	K01	
	340	112	23140 VMW33	N60		380		29348 E	Q01	
	340	112	23140 VMW33C3	N60		400	128	23148 VMKW33C3	N41	
	340		29340 E	Q01		400	128	23148 VMKW33C4	N41	
	340	140	• 24140 EMK30W33	M05		400	128	23148 VMW33C3	N60	
	340	140	• 24140 EMK30W33C3	M05		400	160	24148 VK30W33C2	M05	
	340	140	• 24140 EMW33	M02		400	160	24148 VK30W33C3	M05	
	340	140	• 24140 EMW33C3	M02		400	160	24148 VW33	M04	
	340	140	• 24140 EMW33C4	M02		400	160	24148 VW33C2	M04	
	360	128	23240 VMKW33C3	N41		400	160	24148 VW33C3	M04	
	360	128	23240 VMW33	N60		440	120	22248 VMW33C3	N60	
	360	128	23240 VMW33C3	N60		440	160	23248 VMKW33C3	N41	
	360	58	6240 MJ30	A01		440	160	23248 VMW33	N60	
	360	98	• 22240 EMKW33	M03		440	160	23248 VMW33C3	N60	
	360	98	• 22240 EMKW33C3	M03		440		29448	Q01	
	360	98	• 22240 EMKW33C4	M03		500	155	22348 VMKW33	N41	
	360	98	• 22240 EMW33	M02		500	155	22348 VMW33	N60	
	360	98	• 22240 EMW33C3	M02		500	155	22348 VMW33C3	N60	
	360	98	• 22240 EMW33C4	M02						
	400		29440	Q01		260	320	28	61852	A01
	420	138	22340 VMKW33	N41		400	104		23052 VMKW33C3	N41
	420	138	22340 VMKW33C3	N41		400	104		23052 VMW33	N60
	420	138	22340 VMW33	N60		400	104		23052 VMW33C3	N60
420	138	22340 VMW33C3	N60	400	140		24052 VMW33	M02		
420	80	N 340 EMJ30	H02	400	140		24052 VMW33C3	M02		
				420			29352 E	Q01		
220	270	24	61844	A01	440	144	23152 VMKW33C3	N41		
	300	60	23944 VMW33C3	N60	440	144	23152 VMW33C3	N60		
	340	118	24044 VMK30W33C3	M03	440	180	24152 VK30W33	M05		
	340	118	24044 VMW33	M02	440	180	24152 VW33C3	M04		
	340	118	24044 VMW33C3	M02	480	174	23252 VMKW33C3	N41		
	340	90	• 23044 EMKW33	M03	480	174	23252 VMW33	N60		
	340	90	• 23044 EMKW33C3	M03	480	174	23252 VMW33C3	N60		
	340	90	• 23044 EMKW33C4	M03	480		29452	Q01		
	340	90	• 23044 EMW33	M02	350	33	61856	A01		
	340	90	• 23044 EMW33C3	M02						
	360		29344 E	Q01	280	420	106	23056 VMKW33C3	N41	
	370	120	23144 VMKW33	N41	420	106	23056 VMW33	N60		
	370	120	23144 VMKW33C3	N41	420	106	23056 VMW33C3	N60		
	370	120	23144 VMKW33C4	N41	420	140	24056 VMW33	M02		
	370	120	23144 VMW33	N60	420	140	24056 VMW33C3	M02		
	370	120	23144VMW33C3	N60	420	87 / 65	32056 A	K01		
	370	150	24144 VK30W33C3	M05	440		29356 E	Q01		
	370	150	24144 VW33	M04	460	146	23156 VMKW33C3	N41		
	370	150	24144 VW33C3	M04	460	146	23156 VMW33	N60		
	400	108	• 22244 EMKW33C3	M03	460	146	23156 VMW33C3	N60		
	400	108	• 22244 EMW33	M02	460	180	24156 VW33C2	M04		
	400	108	• 22244 EMW33C3	M02	460	180	24156 VW33C3	M04		
	400	144	• 23244 EMKW33	M03	500	176	23256 VMKW33	N41		
	400	144	• 23244 EMKW33C3	M03	500	176	23256 VMKW33C3	N41		
	400	144	• 23244 EMW33	M02	500	176	23256 VMW33	N60		
	400	144	• 23244 EMW33C3	M02	500	176	23256 VMW33C3	N60		
	420		29444	Q01	520		29456 E	Q01		
	460	145	22344 VMKW33	N41	580	175	22356 VMW33	N60		
	460	145	22344 VMKW33C3	N41	580	175	22356 VMW33C3	N41		
	460	145	22344 VMW33	N60						
	460	145	22344 VMW33C3	N60	300	380	38	61860 M	A01	
240	300	28	61848	A01	460	118		23060 VMKW33C3	N41	
	360	92	23048 VMKW33C3	N41	460	118		23060 VMW33	N60	
	360	92	23048 VMKW33C4	N41	460	118		23060 VMW33C3	N60	
	360	92	23048 VMW33	N60	460	160		24060 VMK30W33C3	M03	
					460	160		24060 VMW33	M02	

320 →



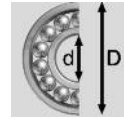
d D



B/C



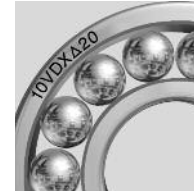
360 →



d D

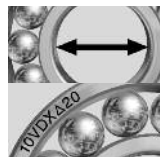


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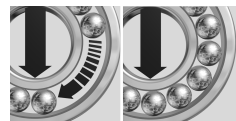
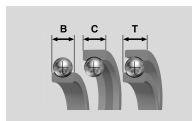
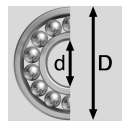


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	480		29360 E	Q01
	500	160	23160 VMKW33C3	N41
	500	160	23160 VMW33C3	N60
	500	200	24160 VK30W33	M05
	500	200	24160 VK30W33C3	M05
	500	200	24160 VW33C3	M04
	540	192	23260 VMKW33C3	N41
	540	192	23260 VMW33	N60
	540	192	23260 VMW33C3	N60
	540		29460 E	Q01
	400	38	61864 M	A01
	480	121	23064 VMKW33C3	N41
	480	121	23064 VMW33	N60
	480	121	23064 VMW33C3	N60
	480	100 / 74	32064 A	K01
	500		29364 E	Q01
	540	176	23164 VMKW33C3	N41
	540	176	23164 VMW33C3	N60
	580		29464 E	Q01
340	420	38	61868 M	A01
	520	133	23068 VMKW33C3	N41
	520	133	23068 VMW33	N60
	520	133	23068 VMW33C3	N60
	580	190	23168 VMKW33	N41
	580	190	23168 VMKW33C3	N41
	580	190	23168 VMW33	N60
	580	190	23168 VMW33C3	N60
	580	243	24168 VW33C3	M04

360	440	38	61872 M	A01
	540	134	23072 VMKW33C3	N41
	540	134	23072 VMW33	N60
	540	134	23072 VMW33C3	N60
	600	192	23172 VMKW33	N41
	600	192	23172 VMW33C4	N60
380	560	135	23076 VMKW33C3	N41
	560	135	23076 VMW33	N60
	560	135	23076 VMW33C3	N60
400	600	148	23080 VMKW33C3	N41
	600	148	23080 VMW33	N60
	600	148	23080 VMW33C3	N60
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	51,05	17.5	RNU 12044 S01	H13
	72	19	RNU 10552 S01	H13



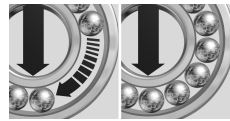
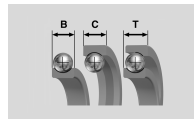
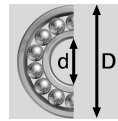
4 →



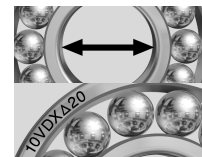
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	x1000 Newtons									
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T 4CB120	120	170	25	19,5	27	150,00	235,00	1900	1,540	K01
T 4CB130	130	185	27	21	29	180,00	280,00	1700	2,300	K01
T 4DB160	160	200	30	23	32	237,00	290,00	1500	3,200	K01
NJ 202 EG15	15	35	11			13,20	10,80	17000	0,049	H11
NU 202 EG15	15	35	11			13,20	10,80	17000	0,050	H05
NJ 203 EG15	17	40	12			18,00	15,10	15000	0,070	H11
NU 203 EG15	17	40	12			18,00	15,10	15000	0,069	H05
NU 203 EG15J30	17	40	12			17,60	14,60	15000	0,069	H05
N 204 EG15	20	47	14			28,00	25,50	12000	0,110	H02
NJ 204 EG15	20	47	14			28,00	25,50	12000	0,117	H11
NU 204 EG15	20	47	14			28,00	25,50	12000	0,114	H05
NU 204 EG15J30	20	47	14			28,00	25,50	12000	0,114	H05
NUP 204 EG15	20	47	14			28,00	25,50	12000	0,119	H09
N 205 EG15	25	52	15			30,00	28,50	11000	0,135	H02
NJ 205 EG15	25	52	15			30,00	28,50	11000	0,140	H11
NJ 205 EG15J30	25	52	15			30,00	28,50	11000	0,140	H11
NU 205 EG15	25	52	15			30,00	28,50	11000	0,137	H05
NU 205 EG15J30	25	52	15			30,00	28,50	11000	0,137	H05
NUP 205 EG15	25	52	15			30,00	28,50	11000	0,145	H09
N 206	30	62	16			24,10	21,50	9600	0,201	H02
N 206 EG15	30	62	16			39,00	37,50	9400	0,210	H02
N 206 J30	30	62	16			24,10	21,50	9600	0,201	H02
NJ 206 EG15	30	62	16			39,00	37,50	9400	0,213	H11
NU 206 EG15	30	62	16			39,00	37,50	9400	0,213	H05
NU 206 EG15J30	30	62	16			39,00	37,50	8600	0,308	H05
NUP 206 EG15	30	62	16			39,00	37,50	9400	0,220	H09
N 207	35	72	17			34,50	31,50	8300	0,292	H02
N 207 EG15	35	72	17			50,00	50,00	8100	0,300	H02
N 207 J30	35	72	17			34,50	31,50	8300	0,292	H02
NJ 207 EG15	35	72	17			50,00	50,00	8100	0,309	H11
NJ 207 EG15J30	35	72	17			52,00	50,00	8100	0,309	H11
NU 207 EG15	35	72	17			50,00	50,00	8100	0,303	H05
NU 207 EG15J30	35	72	17			50,00	50,00	8100	0,303	H05
NU 207 EMJ30	35	72	17			50,00	50,00	8100	0,345	H05
NUP 207 EG15	35	72	17			50,00	50,00	8100	0,317	H09
N 208 EG15	40	80	18			56,00	55,00	7200	0,380	H02
NJ 208 EG15	40	80	18			56,00	55,00	7200	0,389	H11
NJ 208 EG15J30	40	80	18			56,00	55,00	7200	0,389	H11
NU 208 EG15	40	80	18			56,00	55,00	7200	0,379	H05
NU 208 EG15J30	40	80	18			56,00	55,00	7200	0,380	H05
NU 208 EG15J40	40	80	18			56,00	55,00	7200	0,379	H05
NU 208 EMJ30	40	80	18			56,00	55,00	7200	0,425	H05
NUP 208 EG15	40	80	18			56,00	55,00	7200	0,399	H09
N 209 EG15	45	85	19			65,00	66,00	6700	0,445	H02
N 209 EG15J30	45	85	19			65,00	66,00	6700	0,445	H02
NJ 209 EG15	45	85	19			63,00	66,00	6700	0,445	H11
NJ 209 EG15J30	45	85	19			63,00	66,00	6700	0,445	H11
NU 209 EG15	45	85	19			63,00	66,00	6700	0,445	H05
NU 209 EG15J30	45	85	19			63,00	66,00	6700	0,434	H05
NU 209 EMJ30	45	85	19			71,00	77,00	6700	0,500	H05
NUP 209 EG15	45	85	19			63,00	66,00	6700	0,457	H09
NUP 209 EG15J40	45	85	19			63,00	66,00	6700	0,457	H09
NUP 209 ENRG15J30	45	85	19			63,00	66,00	6700	0,457	H09
N 210 EG15	50	90	20			68,00	72,00	6200	0,490	H02
NJ 210 EG15	50	90	20			66,00	72,00	6200	0,503	H11
NU 210 EG15	50	90	20			66,00	72,00	6200	0,490	H05



210 →



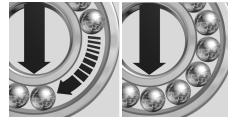
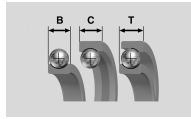
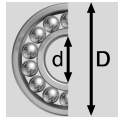
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	x1000 Newtons									
NU 210 EG15J30	50	90	20			68,00	72,00	6200	0,490	H05
NU 210 EMJ30	50	90	20			66,00	72,00	6200	0,550	H05
NUP 210 EG15	50	90	20			68,00	72,00	6200	0,517	H09
N 211 EG15	55	100	21			89,00	99,00	5600	0,665	H02
NJ 211 EG15	55	100	21			86,00	99,00	5600	0,679	H11
NU 211 EG15	55	100	21			86,00	99,00	5600	0,665	H05
NU 211 EG15J30	55	100	21			86,00	99,00	5600	0,665	H05
NU 211 EG15J40	55	100	21			86,00	99,00	5600	0,665	H05
NU 211 EMJ30	55	100	21			86,00	99,00	5600	0,740	H05
NUP 211 EG15	55	100	21			86,00	99,00	5600	0,693	H09
N 212 EG15	60	110	22			99,00	106,00	5100	0,825	H02
NJ 212 EG15	60	110	22			96,00	106,00	5100	0,845	H11
NJ 212 EG15J30	60	110	22			96,00	106,00	5100	0,825	H11
NU 212 EG15	60	110	22			96,00	106,00	5100	0,824	H05
NU 212 EG15J30	60	110	22			96,00	106,00	5100	0,824	H05
NU 212 EMJ30	60	110	22			99,00	106,00	5100	0,825	H05
NUP 212 EG15	60	110	22			96,00	106,00	5100	0,909	H09
N 213 EG15	65	120	23			99,00	106,00	5100	1,050	H02
NJ 213 EG15	65	120	23			110,00	122,00	4700	1,050	H11
NU 213 EG15	65	120	23			110,00	122,00	4700	1,040	H05
NU 213 EG15J30	65	120	23			110,00	122,00	4700	1,040	H05
NU 213 EMJ30	65	120	23			110,00	122,00	4700	1,180	H05
NUP 213 EG15	65	120	23			110,00	122,00	4700	1,090	H09
N 214 EG15	70	125	24			121,00	141,00	4400	1,159	H02
NJ 214 EG15	70	125	24			121,00	141,00	4400	1,180	H11
NU 214 EG15	70	125	24			121,00	141,00	4400	1,150	H05
NU 214 EG15J30	70	125	24			121,00	141,00	4400	1,150	H05
NU 214 EMJ30	70	125	24			121,00	141,00	4400	1,290	H05
NUP 214 EG15	70	125	24			121,00	141,00	4400	1,200	H09
N 215 EG15	75	130	25			135,00	161,00	4200	1,280	H02
N 215 EG15J30	75	130	25			133,00	161,00	4200	1,290	H02
NJ 215 EG15	75	130	25			133,00	161,00	4200	1,700	H11
NJ 215 EG15J30	75	130	25			133,00	161,00	4200	1,700	H11
NU 215 EG15	75	130	25			133,00	161,00	4200	1,270	H05
NU 215 EG15J30	75	130	25			133,00	161,00	4200	1,270	H05
NU 215 EMJ30	75	130	25			133,00	161,00	4200	1,410	H05
NUP 215 EG15	75	130	25			133,00	161,00	4200	1,330	H09
N 216 EG15	80	140	26			146,00	171,00	3900	1,540	H02
N 216 EG15J30	80	140	26			146,00	171,00	3900	1,540	H02
NJ 216 EG15	80	140	26			146,00	171,00	3900	1,540	H11
NU 216 EG15	80	140	26			146,00	171,00	3900	1,540	H05
NU 216 EG15J30	80	140	26			142,00	171,00	3900	1,550	H05
NU 216 EMJ30	80	140	26			142,00	171,00	3900	1,710	H05
N 217 EG15	85	150	28			173,00	201,00	3700	1,890	H02
N 217 EG15J30	85	150	28			169,00	201,00	3700	1,920	H02
NJ 217 EG15	85	150	28			173,00	201,00	3700	1,890	H11
NU 217 EG15	85	150	28			173,00	201,00	3700	1,890	H05
NU 217 EG15J30	85	150	28			173,00	201,00	3700	1,890	H05
NU 217 EMJ30	85	150	28			173,00	201,00	3700	2,060	H05
N 218 EG15	90	160	30			183,00	216,00	3500	2,360	H02
N 218 EG15J30	90	160	30			186,00	224,00	3400	2,370	H02
NJ 218 EG15	90	160	30			183,00	216,00	3500	2,360	H11
NU 218 EG15	90	160	30			191,00	224,00	3400	2,360	H05
NU 218 EG15J30	90	160	30			191,00	224,00	3400	2,360	H05
NU 218 EMJ30	90	160	30			191,00	224,00	3400	2,480	H05
N 219 EG15	95	170	32			238,00	285,00	3200	2,830	H02
N 219 EG15J30	95	170	32			224,00	270,00	3200	2,890	H02



(ES) Referencias en itálica: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in corsivo: consegna fino ad esaurimento delle scorte.
 (BR) Referências em itálico: entrega até se esgotarem os estoques.

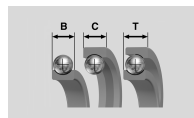
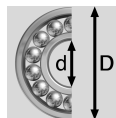


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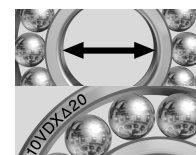


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
NJ 219 EG15	95	170	32			238,00	285,00	3200	2,830	H11
NU 219 EG15	95	170	32			238,00	285,00	3200	2,830	H05
NU 219 EG15J30	95	170	32			224,00	270,00	3200	2,880	H05
NU 219 EMJ30	95	170	32			238,00	285,00	3200	2,900	H05
N 220 EG15	100	180	34			260,00	310,00	3100	3,440	H02
N 220 EG15J30	100	180	34			260,00	310,00	3100	3,440	H02
NJ 220 EG15	100	180	34			260,00	310,00	3100	3,440	H11
NJ 220 EMJ30	100	180	34			260,00	310,00	3100	3,440	H11
NU 220 EG15	100	180	34			260,00	310,00	3100	3,440	H05
NU 220 EG15J30	100	180	34			255,00	310,00	3100	3,490	H05
NU 220 EMJ30	100	180	34			260,00	310,00	3100	3,740	H05
NJ 221 EG15	105	190	36			265,00	325,00	2900	4,083	H11
NU 221 EG15	105	190	36			265,00	325,00	2900	4,100	H05
NU 221 EG15J30	105	190	36			265,00	325,00	2900	4,080	H05
NU 221 EMJ30	105	190	36			265,00	325,00	2900	4,620	H05
N 222 EM	110	200	38			300,00	360,00	2800	5,500	H02
N 222 EMJ30	110	200	38			300,00	360,00	2800	5,500	H02
NJ 222 EG15	110	200	38			300,00	360,00	2800	4,850	H11
NJ 222 EG15J30	110	200	38			300,00	360,00	2800	4,850	H11
NU 222 EG15	110	200	38			300,00	360,00	2800	4,850	H05
NU 222 EG15J30	110	200	38			300,00	360,00	2800	4,850	H05
NU 222 EMJ30	110	200	38			300,00	360,00	2800	4,850	H05
NJ 224 EG15	120	215	40			350,00	435,00	2600	5,740	H11
NU 224 EG15	120	215	40			350,00	435,00	2600	5,740	H05
NU 224 EG15J30	120	215	40			350,00	435,00	2600	5,740	H05
NU 224 EMJ30	120	215	40			345,00	435,00	2500	6,550	H05
NJ 226 EG15	130	230	40			375,00	460,00	2400	6,500	H11
NU 226 EG15	130	230	40			375,00	460,00	2400	6,500	H05
NU 226 EG15J30	130	230	40			365,00	460,00	2400	6,500	H05
NU 226 EMJ30	130	230	40			365,00	460,00	2400	7,350	H05
N 228 EMJ30	140	250	42			400,00	510,00	2200	9,340	H02
NJ 228 EMJ30	140	250	42			400,00	510,00	2200	9,650	H11
NU 228 EMJ30	140	250	42			400,00	510,00	2200	9,340	H05
NJ 230 EMJ30	150	270	45			465,00	600,00	2000	12,200	H11
NU 230 EMJ30	150	270	45			465,00	600,00	2000	12,000	H05
NJ 232 EMJ30	160	290	48			530,00	690,00	1900	15,100	H11
NU 232 EMJ30	160	290	48			530,00	690,00	1900	14,600	H05
NU 234 EMJ30	170	310	52			610,00	820,00	1800	18,130	H05
NU 236 EMJ30	180	320	52			630,00	870,00	1700	18,910	H05
NU 238 EMJ30	190	340	55			720,00	970,00	1600	22,700	H05
NJ 303 EG15	17	47	14			25,50	21,20	13000	0,125	H11
NU 303 EG15	17	47	14			25,50	21,20	13000	0,122	H05
N 304 EG15	20	52	15			31,50	27,00	11000	0,151	H02
NJ 304 EG15	20	52	15			31,50	27,00	11000	0,156	H11
NJ 304 EG15J30	20	52	15			31,50	27,00	11000	0,156	H11
NU 304 EG15	20	52	15			31,50	27,00	11000	0,140	H05
N 305 EG15	25	62	17			42,50	37,50	9500	0,242	H02
N 305 EG15J30	25	62	17			42,50	37,50	9500	0,242	H02
NJ 305 EG15	25	62	17			41,50	37,50	9500	0,250	H11
NU 305 EG15	25	62	17			41,50	37,50	9500	0,245	H05
NUP 305 EG15	25	62	17			41,50	37,50	9500	0,256	H09
N 306 EG15	30	72	19			55,00	50,00	8100	0,366	H02
NJ 306 EG15	30	72	19			53,00	50,00	8100	0,376	H11

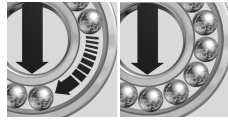
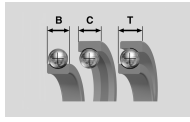
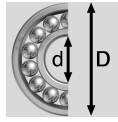
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	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
NJ 306 EG15J30	30	72	19			53,00	50,00	8100	0,376	H11
NU 306 EG15	30	72	19			53,00	50,00	8100	0,368	H05
NU 306 EG15J30	30	72	19			53,00	50,00	8100	0,368	H05
NUP 306 EG15	30	72	19			53,00	50,00	8100	0,385	H09
QJ 306 MA	30	72	19			55,00	38,50	7900	0,406	B01
N 307 EG15	35	80	21			67,00	65,00	7200	0,486	H02
N 307 EG15J30	35	80	21			68,00	65,00	7200	0,481	H02
NJ 307 EG15	35	80	21			68,00	65,00	7200	0,496	H11
NJ 307 EG15J30	35	80	21			67,00	65,00	7200	0,496	H11
NU 307 EG15	35	80	21			67,00	65,00	7200	0,485	H05
NU 307 EG15J30	35	80	21			67,00	65,00	7200	0,485	H05
NUP 307 EG15	35	80	21			67,00	65,00	7200	0,506	H09
QJ 307 MA	35	80	21			59,00	46,50	7100	0,550	B01
N 308 EG15	40	90	23			84,00	80,00	6300	0,660	H02
N 308 EG15J30	40	90	23			84,00	82,00	6300	0,656	H02
NJ 308 EG15	40	90	23			82,00	80,00	6300	0,674	H11
NU 308 EG15	40	90	23			84,00	80,00	6300	0,659	H05
NU 308 EG15J30	40	90	23			84,00	80,00	6300	0,659	H05
NUP 308 EG15	40	90	23			82,00	80,00	6300	0,688	H09
QJ 308 MA	40	90	23			86,00	69,00	6300	0,696	B01
N 309 EG15	45	100	25			102,00	101,00	5700	0,895	H02
N 309W	45	100	25			113,00	111,00	3000	0,851	H02
NJ 309	45	100	25			73,00	68,00	5800	0,880	H11
NJ 309 EG15	45	100	25			99,00	101,00	5700	0,913	H11
NU 309	45	100	25			73,00	68,00	5800	0,861	H05
NU 309 EG15	45	100	25			99,00	101,00	5700	0,893	H05
NU 309 EMJ30	45	100	25			99,00	101,00	5700	0,900	H05
NU 309 J30	45	100	25			73,00	68,00	5800	0,861	H05
NUP 309 EG15	45	100	25			98,00	100,00	5700	0,895	H09
QJ 309 MA	45	100	25			95,00	75,00	5600	1,050	B01
N 310	50	110	27			89,00	86,00	5200	1,125	H02
N 310 EG15	50	110	27			112,00	116,00	5100	1,160	H02
N 310 J30	50	110	27			89,00	86,00	5200	1,125	H02
NJ 310	50	110	27			89,00	86,00	5200	1,165	H11
NJ 310 EG15	50	110	27			112,00	116,00	5100	1,190	H11
NJ 310 J40	50	110	27			89,00	86,00	5200	1,165	H11
NU 310	50	110	27			89,00	86,00	5200	1,134	H05
NU 310 EG15	50	110	27			112,00	116,00	5100	1,160	H05
NU 310 EMJ30	50	110	27			112,00	116,00	5100	1,310	H05
NU 310 J30	50	110	27			89,00	86,00	5200	1,134	H05
NUP 310 EG15	50	110	27			112,00	116,00	5100	1,210	H09
QJ 310 MA	50	110	27			110,00	92,00	5100	1,330	B01
N 311 EG15	55	120	29			142,00	144,00	4700	1,410	H02
NJ 311 EG15	55	120	29			142,00	144,00	4700	1,470	H11
NU 311	55	120	29			104,00	99,00	4800	1,414	H05
NU 311 EG15	55	120	29			138,00	144,00	4700	1,480	H05
NU 311 EM	55	120	29			142,00	144,00	4700	1,414	H05
NU 311 EMJ30	55	120	29			142,00	144,00	4700	1,640	H05
NU 311 J30	55	120	29			104,00	99,00	4800	1,414	H05
NUP 311 EG15	55	120	29			142,00	144,00	4700	1,470	H09
QJ 311 MA	55	120	29			127,00	109,00	4600	1,675	B01
N 312 EG15	60	130	31			157,00	162,00	4300	1,850	H02
NJ 312 EG15	60	130	31			150,00	156,00	4400	1,850	H11
NU 312 EG15	60	130	31			157,00	162,00	4300	1,850	H05
NU 312 EG15J30	60	130	31			157,00	162,00	4300	1,850	H05
NU 312 EMJ30	60	130	31			157,00	162,00	4300	2,060	H05
NUP 312 EG15	60	130	31			153,00	162,00	4300	1,930	H09
QJ 312 MA	60	130	31			145,00	126,00	4300	2,200	B01

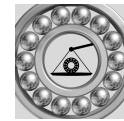
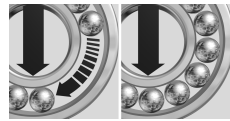
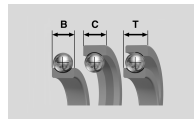
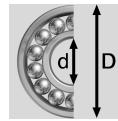


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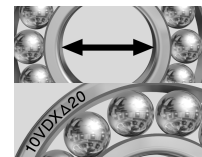


	d	D	B	C	T	C	Co	tr/mn	kg	
x1000 Newtons										
N 313 EG15	65	140	33			183,00	195,00	4100	2,240	H02
N 313 EG15J30	65	140	33			183,00	195,00	4000	2,240	H02
NJ 313 EG15	65	140	33			188,00	195,00	4000	2,240	H11
NU 313 EG15	65	140	33			188,00	195,00	4000	2,240	H05
NU 313 EG15J30	65	140	33			188,00	195,00	4000	2,240	H05
NU 313 EMJ30	65	140	33			188,00	195,00	4000	2,500	H05
NUP 313 NM	65	140	33			147,00	151,00	4100	2,563	H10
Q10NUP 313 NM	55	140	33			147,00	151,00	4100	2,810	H10
QJ 313 MA	65	140	33			164,00	145,00	4000	2,700	B01
N 314 EG15	70	150	35			210,00	220,00	3700	2,800	H02
N 314 EG15J30	70	150	35			210,00	220,00	4000	2,800	H02
NJ 314 EG15	70	150	35			213,00	226,00	3700	2,800	H11
NJ 314 EMJ30	70	150	35			207,00	226,00	3700	3,160	H11
NU 314 EG15	70	150	35			210,00	220,00	3700	2,800	H05
NU 314 EG15J30	70	150	35			210,00	220,00	3700	2,800	H05
NU 314 EMJ30	70	150	35			207,00	226,00	3700	3,160	H05
QJ 314 MA	70	150	35			184,00	165,00	3700	3,150	B01
N 315 EG15	75	160	37			250,00	265,00	3500	3,700	H02
N 315 EG15J30	75	160	37			243,00	265,00	3300	3,340	H02
NJ 315 EG15	75	160	37			250,00	265,00	3500	3,300	H11
NU 315 EG15	75	160	37			250,00	265,00	3500	3,300	H05
NU 315 EG15J30	75	160	37			250,00	265,00	3500	3,300	H05
NU 315 EMJ30	75	160	37			250,00	265,00	3500	4,500	H05
QJ 315 N 2MA	75	160	37			212,00	204,00	3400	3,960	B01
N 316 EG15	80	170	39			270,00	290,00	3300	3,930	H02
N 316 EG15J30	80	170	39			260,00	290,00	3300	4,120	H02
NJ 316 EG15	80	170	39			270,00	290,00	3300	4,040	H11
NU 316 EG15	80	170	39			270,00	290,00	3300	3,960	H05
NU 316 EG15J30	80	170	39			270,00	290,00	3300	3,930	H05
NU 316 EMJ30	80	170	39			270,00	290,00	3300	5,000	H05
NUP 316 EG15	80	170	39			260,00	290,00	3300	4,110	H09
QJ 316 N 2MA	80	170	39			222,00	215,00	3200	4,500	B01
N 317 EM	85	180	41			295,00	325,00	3100	5,330	H02
N 317 EMJ30	85	180	41			295,00	325,00	3100	5,330	H02
NJ 317 EG15	85	180	41			280,00	315,00	3100	4,712	H11
NU 317 EG15	85	180	41			280,00	315,00	3100	4,680	H05
NU 317 EG15J30	85	180	41			280,00	315,00	3100	4,700	H05
NU 317 EMJ30	85	180	41			300,00	340,00	3100	5,200	H05
NUP 317 EG15	85	180	41			315,00	335,00	3100	5,200	H09
QJ 317 N 2MA	85	180	41			246,00	255,00	3000	5,540	B01
N 318 EM	90	190	43			330,00	360,00	2900	6,210	H02
N 318 EMJ30	90	190	43			330,00	360,00	2900	6,210	H02
NJ 318 EG15	90	190	43			330,00	360,00	2900	5,950	H11
NU 318 EG15	90	190	43			330,00	360,00	2900	5,420	H05
NU 318 EG15J30	90	190	43			330,00	360,00	2900	5,950	H05
NU 318 EMJ30	90	190	43			330,00	360,00	2900	6,210	H05
QJ 318 N2MA	90	190	43			265,00	285,00	2900	6,440	B01
N 319 EMJ30	95	200	45			345,00	390,00	2800	7,200	H02
NJ 319 EG15	95	200	45			340,00	390,00	2800	6,440	H11
NU 319 EG15	95	200	45			340,00	390,00	2800	6,320	H05
NU 319 EMJ30	95	200	45			345,00	390,00	2800	7,200	H05
10R 320/32 C	32	58	13	17	17	38,00	45,00	6000	0,175	K01
N 320 EM	100	215	47			390,00	440,00	2600	7,660	H02
NJ 320 EG15	100	215	47			400,00	440,00	2600	7,660	H11
NU 320 EG15	100	215	47			390,00	440,00	2600	7,660	H05
NU 320 EMJ30	100	215	47			390,00	440,00	2600	8,800	H05
NU 321 EMJ30	105	225	49			435,00	495,00	2500	9,950	H05

322 →



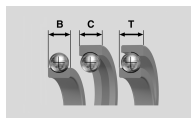
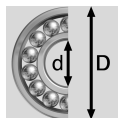
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	x1000 Newtons									
N 322 EM	110	240	50			475,00	540,00	2300	10,600	H02
N 322 EMJ30	110	240	50			475,00	540,00	2300	11,633	H02
NJ 322 EG15	110	240	50			435,00	500,00	2300	10,330	H11
NJ 322 EM	110	240	50			460,00	540,00	2300	11,770	H11
NJ 322 EMJ30	110	240	50			460,00	540,00	2300	11,770	H11
NU 322 EG15	110	240	50			440,00	510,00	2400	10,600	H05
NU 322 EG15J30	110	240	50			440,00	510,00	2400	10,500	H05
NU 322 EMJ30	110	240	50			465,00	550,00	2400	11,600	H05
322/28 BC12D82	28	58	19	16	20,25	46,50	55,00	6500	0,247	K01
N 324 EMJ30	120	260	55			530,00	620,00	2100	15,110	H02
NJ 324 EG15	120	260	55			530,00	620,00	2100	13,540	H11
NJ 324 EG15J30	120	260	55			530,00	620,00	2100	13,540	H11
NJ 324 EM	120	260	55			530,00	620,00	2100	15,370	H11
NJ 324 EMJ30	120	260	55			530,00	620,00	2100	15,370	H11
NU 324 EG15	120	260	55			550,00	620,00	2100	13,300	H05
NU 324 EMJ30	120	260	55			550,00	620,00	2100	14,400	H05
NU 324 ES01	120	260	55			530,00	590,00	2100	14,030	H05
N 326 EMJ30	130	280	58			620,00	750,00	2000	18,440	H02
NJ 326 EG15	130	280	58			590,00	690,00	2000	16,500	H11
NJ 326 EMJ30	130	280	58			620,00	750,00	2000	16,500	H11
NU 326 EG15	130	280	58			610,00	690,00	2000	16,400	H05
NU 326 EMJ30	130	280	58			645,00	745,00	2000	18,600	H05
N 328 EMJ30	140	300	62			680,00	830,00	1800	22,510	H02
NU 328 EG15	140	300	62			680,00	800,00	1900	22,500	H05
NU 328 EMJ30	140	300	62			680,00	800,00	1900	22,450	H05
N 330 EMJ30	150	320	65			770,00	940,00	1700	26,800	H02
NU 330 EMJ30	150	320	65			760,00	890,00	1800	27,300	H05
N 334 EMJ30	170	360	72			990,00	1260,00	1500	37,900	H02
N 338 EMJ30	190	400	78			1150,00	1490,00	1400	50,500	H02
N 340 EMJ30	200	420	80			1230,00	1610,00	1300	57,000	H02
NJ 407	35	100	25			79,00	71,00	6300	1,030	H11
NU 407	35	100	25			79,00	71,00	6300	1,030	H05
NJ 408	40	110	27			99,00	90,00	5700	1,310	H11
NU 408	40	110	27			99,00	90,00	5700	1,310	H05
NJ 409	45	120	29			111,00	103,00	5200	1,660	H11
NU 409	45	120	29			111,00	103,00	5200	1,660	H05
NJ 410	50	130	31			136,00	128,00	4600	2,080	H11
NU 410	50	130	31			132,00	128,00	4700	2,010	H05
NU 412	60	150	35			181,00	187,00	4000	3,000	H05
604 ZZ	4	12	4			0,71	0,27	60000	0,002	A21
607	7	19	6			2,46	1,05	37000	0,008	A01
607 EE	7	19	6			2,46	1,05	25000	0,012	A25
607J30	7	19	6			2,46	1,05	37000	0,008	A01
607 Z	7	19	6			2,46	1,05	37000	0,008	A20
607 ZZ	7	19	6			2,46	1,05	37000	0,008	A21
608	8	22	7			3,30	1,36	34000	0,012	A01
608 E	8	22	7			3,30	1,36	23000	0,012	A20
608 EE	8	22	7			3,30	1,36	23000	0,012	A25
608 EEJ30	8	22	7			3,30	1,36	23000	0,012	A25
608 FT150	8	22	7			3,30	1,36	22000	0,012	A25
608 J30	8	22	7			3,30	1,36	34000	0,012	A01
608 Z	8	22	7			3,30	1,36	34000	0,012	A20
608 ZJ30	8	22	7			3,30	1,36	34000	0,012	A20



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.

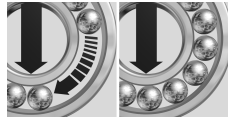
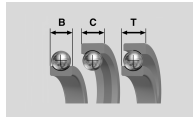
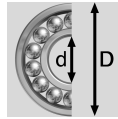


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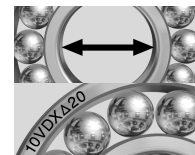


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
608 ZZ	8	22	7			3,30	1,36	34000	0,015	A21
608 ZZJ30	8	22	7			3,30	1,36	34000	0,015	A21
609	9	24	7			3,65	1,64	30000	0,015	A01
609 EE	9	24	7			3,65	1,64	20000	0,014	A25
609 EEJ20	9	24	7			3,65	1,64	20000	0,014	A25
609 Z	9	24	7			3,65	1,64	30000	0,015	A20
609 ZZ	9	24	7			3,65	1,64	30000	0,015	A21
618/6	6	13	3,5			1,06	0,42	33000	0,018	A01
620/22 AG14J30A	22	50	14			18,10	8,90	13000	0,105	A01
623	3	10	4			0,64	0,23	70000	0,002	A01
623 EE	3	10	4			0,64	0,23	47000	0,002	A25
623 Z	3	10	4			0,64	0,23	70000	0,002	A20
623 ZZ	3	10	4			0,64	0,23	70000	0,002	A21
624	4	13	5			1,30	0,49	54000	0,003	A01
624 EE	4	13	5			1,30	0,50	36000	0,006	A25
624 Z	4	13	5			1,30	0,49	54000	0,032	A20
624 ZZ	4	13	5			1,30	0,49	54000	0,003	A21
625	5	16	5			1,88	0,68	47000	0,007	A01
625 EE	5	16	5			1,88	0,68	31000	0,007	A25
625 Z	5	16	5			1,88	0,68	47000	0,007	A20
625 ZZ	5	16	5			1,88	0,68	47000	0,007	A21
625 ZZJ30	5	16	5			1,88	0,68	47000	0,007	A21
626	6	19	6			2,46	1,05	35000	0,009	A01
626 E	6	19	6			2,46	1,05	23000	0,009	A24
626 EE	6	19	6			2,46	1,05	23000	0,009	A25
626 EEJ30	6	19	6			2,46	1,05	23000	0,009	A25
626 Z	6	19	6			2,46	1,05	35000	0,009	A20
626 ZZ	6	19	6			2,46	1,05	35000	0,009	A21
626 ZZJ30	6	19	6			2,46	1,05	35000	0,009	A21
627	7	22	7			3,30	1,36	32000	0,012	A01
627 EE	7	22	7			3,30	1,36	21000	0,012	A25
627 G15	7	22	7			3,30	1,36	32000	0,012	A01
627 J30	7	22	7			3,30	1,36	32000	0,010	A01
627 Z	7	22	7			3,30	1,36	32000	0,012	A20
627 ZZ	7	22	7			3,30	1,36	32000	0,012	A21
627 ZZJ30	7	22	7			3,30	1,36	32000	0,010	A21
629	9	26	8			4,60	1,97	26000	0,020	A01
629 EE	9	26	8			4,60	1,97	17000	0,020	A25
629 EEJ30	9	26	8			4,60	1,97	17000	0,020	A25
629 G15	9	26	8			4,60	1,97	26000	0,020	A01
629 J30	9	26	8			4,60	1,97	26000	0,020	A01
629 Z	9	26	8			4,60	1,97	26000	0,020	A24
629 ZZ	9	26	8			4,60	1,97	26000	0,020	A21
634	4	16	5			1,88	0,68	45000	0,005	A01
634 EE	4	16	5			1,88	0,68	25000	0,005	A25
634 ZZ	4	16	5			1,88	0,68	46000	0,009	A21
635	5	19	6			2,46	1,05	34000	0,010	A01
635 ZZ	5	19	6			2,46	1,05	34000	0,010	A21
1200 G15	10	30	9			5,50	1,19	24000	0,032	G01
1201 G15	12	32	10			5,60	1,26	23000	0,041	G01
1201 G15J30	12	32	10			5,60	1,26	23000	0,041	G01

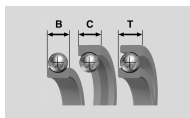
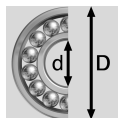
1202 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
1202 G15	15	35	11			7,50	1,75	20000	0,050	G01
1202 G15J30	15	35	11			7,50	1,75	20000	0,050	G01
1203 G15	17	40	12			7,90	2,03	17000	0,073	G01
1204	20	47	14			9,70	2,65	14000	0,118	G01
1204 J30	20	47	14			9,70	2,65	14000	0,118	G01
1205	25	52	15			11,90	3,30	12000	0,138	G01
1205 J30	25	52	15			11,90	3,30	12000	0,138	G01
1205 KJ30	25	52	15			11,90	3,30	12000	0,139	G40
1206	30	62	16			15,40	4,70	10000	0,221	G01
1206 J30	30	62	16			15,40	4,70	10000	0,221	G01
<i>1206 KG14J30</i>	30	62	16			15,40	4,70	11000	0,216	G40
1206 KJ30	30	62	16			15,40	4,70	10000	0,220	G40
1207	35	72	17			15,60	5,10	9000	0,323	G01
1207 J30	35	72	17			15,60	5,10	9000	0,323	G01
1207 KJ30	35	72	17			15,60	5,10	9000	0,322	G40
1208	40	80	18			19,00	6,50	7900	0,417	G01
1208 KJ30	40	80	18			19,00	6,50	7900	0,417	G40
1209	45	85	19			21,50	7,40	7400	0,465	G01
1209 KJ30	45	85	19			21,50	7,40	7400	0,465	G40
1210	50	90	20			22,50	8,10	6900	0,525	G01
1210 KJ30	50	90	20			22,50	8,10	6900	0,525	G40
1211	55	100	21			26,50	10,00	6100	0,697	G01
1211 J30	55	100	21			26,50	10,00	6100	0,697	G01
1211 KJ30	55	100	21			26,50	10,00	6100	0,697	G40
1212 G15	60	110	22			30,00	11,60	5700	0,890	G01
1212 KG15J30	60	110	22			30,00	11,60	5700	0,890	G40
1213	65	120	23			31,00	12,40	5200	1,133	G01
1213 KJ30	65	120	23			31,00	12,40	5200	1,124	G40
1215	75	130	25			39,00	15,50	4700	1,341	G01
1215 KJ30	75	130	25			39,00	15,50	4700	1,324	G40
1216	80	140	26			40,00	16,90	4400	1,630	G01
1216 KJ30	80	140	26			40,00	16,90	4400	1,630	G40
1217	85	150	28			49,00	20,40	4100	2,160	G01
1217 KJ30	85	150	28			49,00	20,40	4100	2,029	G40
1218	90	160	30			57,00	23,50	3800	2,500	G01
1218 J30	90	160	30			57,00	23,50	3800	2,516	G01
1218 KJ30	90	160	30			57,00	23,50	3800	2,500	G40
1218 KJ40	90	160	30			57,00	23,50	3800	2,500	G40
1219	95	170	32			64,00	27,00	3600	3,200	G01
1219 KJ30	95	170	32			64,00	27,00	3600	3,200	G40
1220	100	180	34			69,00	29,50	3400	3,700	G01
1220 KJ30	100	180	34			69,00	29,50	3400	3,790	G40
1222	110	200	38			88,00	38,50	3100	5,320	G01
1222 KJ30	110	200	38			88,00	38,50	3100	5,320	G40
1301 G14	12	37	12			9,40	2,14	18000	0,073	G01

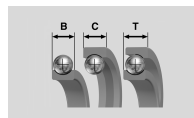
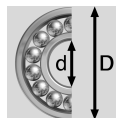


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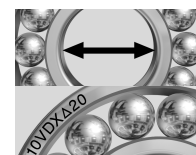


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
1302 G14	15	42	13			9,50	2,28	16000	0,097	G01
1302 G14J30	15	42	13			9,50	2,28	16000	0,101	G01
1303 G14	17	47	14			12,50	3,20	14000	0,128	G01
1303 G14J30	17	47	14			12,50	3,20	14000	0,128	G01
1304 G15	20	52	15			12,40	3,35	12000	0,160	G01
1304 G15J30	20	52	15			12,40	3,35	12000	0,160	G01
1305 G15	25	62	17			18,00	5,00	10000	0,280	G01
1305 G15J30	25	62	17			18,00	5,00	10000	0,280	G01
1305 KG15	25	62	17			18,00	5,00	10000	0,280	G40
1305 KG15J30	25	62	17			18,00	5,00	10000	0,280	G40
1306	30	72	19			20,90	6,30	8500	0,387	G01
1306 J30	30	72	19			20,90	6,30	8500	0,387	G01
1306 KJ30	30	72	19			20,90	6,30	8500	0,387	G40
1307 G15	35	80	21			25,00	7,90	7400	0,510	G01
1307 G15J30	35	80	21			25,00	7,90	7400	0,510	G01
1307 KG15J30	35	80	21			25,00	7,90	7400	0,510	G40
1308	40	90	23			29,00	9,80	6600	0,715	G01
1308 KJ30	40	90	23			29,00	9,80	6600	0,715	G40
1309	45	100	25			37,50	12,90	6000	0,957	G01
1309 J30	45	100	25			37,50	12,90	6000	0,957	G01
1309 KJ30	45	100	25			37,50	12,90	6000	0,959	G40
1310 G15	50	110	27			41,50	14,30	5400	1,200	G01
1310 G15J30	50	110	27			41,50	14,30	5400	1,200	G01
1310 KG15J30	50	110	27			41,50	14,30	5400	1,200	G40
1311 G15	55	120	29			51,00	18,00	5000	1,640	G01
1311 KG15J30	55	120	29			51,00	18,00	5000	1,550	G40
1312	60	130	31			57,00	20,70	4600	1,952	G01
1312 KJ30	60	130	31			57,00	20,70	4600	1,952	G40
1315	75	160	37			79,00	30,00	3700	3,680	G01
1315 KJ30	75	160	37			79,00	30,00	3800	3,690	G40
1317	85	180	41			98,00	38,00	3300	5,150	G01
1317 KJ30	85	180	41			98,00	38,00	3300	5,150	G40
<i>1318</i>	90	190	43			95,00	39,00	3100	5,940	G01
1320	100	215	47			143,00	58,00	2800	8,700	G01
1320 KJ30	100	215	47			143,00	58,00	2800	8,300	G40
2200 G14	10	30	14			7,30	1,58	24000	0,048	G01
2201 EEG15	12	32	14			5,60	1,26	17000	0,060	G25
2201 G15	12	32	14			7,50	1,71	22000	0,055	G01
2202 EEG15	15	35	14			7,50	1,75	14000	0,070	G25
2202 G15	15	35	14			9,20	2,08	19000	0,063	G01
NJ 2203 EG15	17	40	16			24,50	22,40	15000	0,053	H11
NU 2203 EG15	17	40	16			24,50	22,40	15000	0,051	H05
2203 EEG15	17	40	16			7,90	2,00	12000	0,103	G25
2203 G15	17	40	16			11,50	2,75	16000	0,088	G01
2203 G15J30	17	40	16			11,50	2,75	16000	0,088	G01
NJ 2204 EG15	20	47	18			33,00	31,50	12000	0,150	H11
NU 2204 EG15	20	47	18			33,00	31,50	12000	0,146	H05

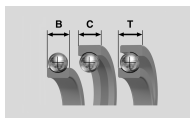
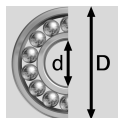
2204 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
2204 G15	20	47	18			14,30	3,50	14000	0,140	G01
2204 G15J30	20	47	18			14,30	3,50	14000	0,140	G01
2204 EEG15	20	47	18			9,90	2,70	11000	0,141	G25
2204 KEEG15	20	47	18			9,90	2,70	11000	0,157	G25
N 2205 VF153C	25	52	18			42,00	42,50	5500	0,170	H15
NJ 2205 EG15	25	52	18			36,50	35,50	11000	0,164	H11
NU 2205 EG15	25	52	18			36,50	35,50	11000	0,164	H05
NU 2205 EG15J30	25	52	18			36,50	35,50	11000	0,164	H05
NUP 2205 EG15	25	52	18			36,50	35,50	11000	0,174	H09
2205	25	52	18			12,20	3,45	12000	0,163	G01
2205 EEG15	25	52	18			12,10	3,30	9200	0,174	G25
2205 KEEG15	25	52	18			12,10	3,30	9200	0,174	G26
2205 KJ30	25	52	18			12,20	3,45	12000	0,164	G40
N 2206 VF153B	30	62	20			59,00	61,00	4600	0,335	H15
NJ 2206 EG15	30	62	20			50,00	50,00	9400	0,261	H11
NU 2206 EG15	30	62	20			49,00	50,00	9400	0,355	H05
NU 2206 EMJ40	30	62	20			49,00	50,00	9400	0,255	H05
NUP 2206 EG15	30	62	20			50,00	50,00	9500	0,310	H09
2206	30	62	20			15,00	4,60	10000	0,260	G01
2206 EEG15	30	62	20			15,70	4,70	7700	0,282	G25
2206 J30	30	62	20			15,00	4,60	10000	0,260	G01
2206 KEEG15	30	62	20			15,70	4,70	7700	0,282	G26
2206 KJ30	30	62	20			15,00	4,60	10000	0,260	G40
N 2207W	35	72	23			73,00	79,00	3900	0,420	H15
NJ 2207 EG15	35	72	23			62,00	65,00	8100	0,416	H11
NU 2207 EG15	35	72	23			62,00	65,00	8100	0,406	H05
NUP 2207 EG15	35	72	23			62,00	65,00	8100	0,427	H09
2207	35	72	23			21,20	6,70	8800	0,403	G01
2207 EEG15	35	72	23			15,80	5,20	6600	0,430	G25
2207 J30	35	72	23			21,20	6,70	8800	0,403	G01
2207 KEEG15	35	72	23			15,80	5,20	6600	0,450	G26
2207 KJ30	35	72	23			21,20	6,70	8800	0,401	G40
NJ 2208 EG15	40	80	23			74,00	78,00	7200	0,504	H11
NU 2208 EG15	40	80	23			72,00	78,00	7200	0,492	H05
NUP 2208 EG15	40	80	23			72,00	78,00	7200	0,518	H09
2208 EEG15	40	80	23			19,20	6,50	5900	0,545	G25
2208 G15	40	80	23			31,50	9,50	7700	0,550	G01
2208 G15J30	40	80	23			31,50	9,50	7700	0,550	G01
2208 KG15J30	40	80	23			31,50	9,50	7700	0,550	G40
2208 KEEG15	40	80	23			19,20	6,50	5900	0,545	G26
N 2209 F206A	45	85	23			82,00	97,00	3300	0,574	H15
NJ 2209 EG15	45	85	23			76,00	85,00	6700	0,530	H11
NU 2209 EG15	45	85	23			76,00	85,00	6700	0,532	H05
NUP 2209 EG15	45	85	23			76,00	85,00	6700	0,559	H09
2209	45	85	23			23,00	8,20	7200	0,550	G01
2209 EEG15	45	85	23			21,80	7,40	5400	0,579	G25
2209 J30	45	85	23			23,00	8,20	7200	0,550	G01
2209 K	45	85	23			23,00	8,20	7200	0,550	G40
2209 KEEG15	45	85	23			21,80	7,40	4800	0,579	G26
2209 KJ30	45	85	23			23,00	8,20	7200	0,550	G40
N 2210 W	50	90	23			88,00	108,00	3000	0,620	H15
NJ 2210 EG15	50	90	23			80,00	92,00	6200	0,586	H11
NU 2210 EG15	50	90	23			80,00	92,00	6200	0,575	H05
NUP 2210 EG15	50	90	23			80,00	92,00	6200	0,600	H09
2210	50	90	23			23,00	8,50	6700	0,590	G01
2210 EEG15	50	90	23			22,70	8,10	5000	0,630	G25
2210 K	50	90	23			23,00	8,50	6700	0,584	G40
2210 KEEG15	50	90	23			22,70	8,10	5000	0,590	G26
2210 KJ30	50	90	23			23,00	8,50	6700	0,584	G40

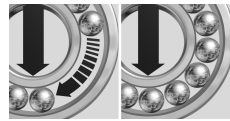
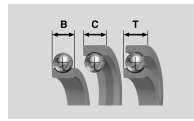
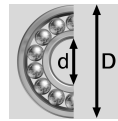


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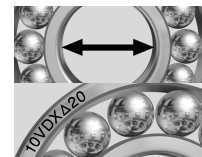


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
NJ 2211 EG15	55	100	25			104,00	122,00	5600	0,780	H11
NU 2211 EG15	55	100	25			104,00	122,00	5600	0,780	H05
NUP 2211 EG15	55	100	25			101,00	122,00	5600	0,828	H09
2211	55	100	25			26,50	9,90	6100	0,788	G01
2211 KEEG15	55	100	25			27,00	10,00	6000	0,790	G26
2211 KJ30	55	100	25			26,50	9,90	6100	0,773	G40
F10N 2212 M	60	110	42			101,00	119,00	5100	1,180	
NJ 2212 EG15	60	110	28			130,00	155,00	5100	1,100	H11
NU 2212 EG15	60	110	28			130,00	155,00	5100	1,080	H05
NU 2212 EG15J30	60	110	28			130,00	155,00	5100	1,080	H05
NUP 2212 EG15	60	110	28			130,00	155,00	5100	1,120	H09
2212	60	110	28			34,00	12,50	5600	1,079	G01
2212 EEG15	60	110	28			30,00	11,60	3600	1,160	G25
2212 K	60	110	28			34,00	12,50	5500	1,079	G40
2212 KJ30	60	110	28			34,00	12,50	5500	1,079	G40
NJ 2213 EG15	65	120	31			151,00	184,00	4700	1,460	H11
NU 2213 EG15	65	120	31			151,00	184,00	4700	1,430	H05
2213	65	120	31			43,50	16,40	5100	1,470	G01
2213 K	65	120	31			43,50	16,40	5100	1,419	G40
2213 KJ30	65	120	31			43,50	16,40	5100	1,450	G40
NJ 2214 EG15	70	125	31			162,00	198,00	4400	1,520	H11
NU 2214 EG15	70	125	31			162,00	198,00	4400	1,520	H05
2214	70	125	31			44,00	17,00	4800	1,550	G01
NJ 2215 EG15	75	130	31			164,00	211,00	4200	1,600	H11
NU 2215 EG15	75	130	31			164,00	211,00	4200	1,610	H05
2215	75	130	31			44,50	17,90	4600	1,630	G01
2215 K	75	130	31			44,50	17,90	4500	1,600	G40
2215 KJ30	75	130	31			44,50	17,90	4500	1,600	G40
NJ 2216 EG15	80	140	33			189,00	247,00	3900	2,050	H11
NU 2216 EG15	80	140	33			189,00	247,00	3900	2,020	H05
NU 2216 EG15J30	80	140	33			189,00	247,00	3900	2,010	H05
2216	80	140	33			49,00	20,00	4200	2,100	G01
2216 K	80	140	33			49,00	20,00	4200	2,100	G40
2216 KJ30	80	140	33			49,00	20,00	4200	2,100	G40
NJ 2217 EG15	85	150	36			219,00	280,00	3700	2,550	H11
NU 2217 EG15	85	150	36			219,00	280,00	3700	2,500	H05
NJ 2218 EG15	90	160	40			246,00	320,00	3400	3,230	H11
NU 2218 EG15	90	160	40			246,00	320,00	3400	3,170	H05
2218	90	160	40			69,00	28,50	3700	3,190	G01
2218 KJ30	90	160	40			69,00	28,50	3700	3,190	G40
NJ 2219 EG15	95	170	43			290,00	375,00	3200	3,900	H11
NU 2219 EG15	95	170	43			290,00	375,00	3200	3,900	H05
NJ 2220 EG15	100	180	46			335,00	450,00	3100	4,850	H11
NU 2220 EG15	100	180	46			335,00	450,00	3100	4,800	H05
2220	100	180	46			96,00	40,50	3300	4,680	G01
2220 KJ30	100	180	46			96,00	40,50	3300	4,680	G40
NU 2222 EG15	110	200	53			385,00	520,00	2800	6,760	H05
NU 2224 EG15	120	215	58			460,00	630,00	2500	8,380	H05
NU 2226 EG15	130	230	64			530,00	740,00	2400	10,400	H05
2302 G15	15	42	17			16,30	3,85	15000	0,115	G01
2302 G15J30	15	42	17			16,30	3,85	15000	0,115	G01
2303 EEG14	17	47	19			12,50	3,20	9800	0,179	G25
2303 G14	17	47	19			14,40	3,55	13000	0,157	G01

2304 →



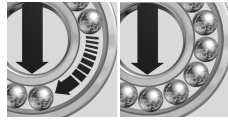
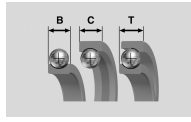
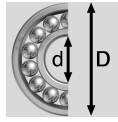
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	x1000 Newtons									
NJ 2304 EG15	20	52	21			42,00	39,00	10000	0,220	H11
NU 2304 EG15	20	52	21			42,00	39,00	10000	0,215	H05
2304 EEG15	20	52	21			12,40	3,40	8500	0,243	G25
NJ 2305 EG15	25	62	24			57,00	56,00	9000	0,347	H11
NU 2305 EG15	25	62	24			58,00	56,00	9000	0,349	H05
2305 EEG15	25	62	24			18,00	5,00	7100	0,385	G25
2305 G15	25	62	24			24,40	6,50	9600	0,340	G01
2305 G15J30	25	62	24			24,40	6,50	9600	0,340	G01
2305 KG15	25	62	24			24,40	6,50	9400	0,328	G40
NJ 2306 EG15	30	72	27			77,00	78,00	7700	0,540	H11
NJ 2306 EG15J30	30	72	27			77,00	78,00	7700	0,540	H11
NU 2306 EG15	30	72	27			77,00	78,00	7700	0,529	H05
<i>RN 2306 M</i>	30	62	27			53,00	51,00	7700	0,400	H18
2306	30	72	27			30,50	8,70	8100	0,500	G01
2306 EEG15	30	72	27			21,30	6,30	6000	0,540	G25
2306 KJ30	30	72	27			30,50	8,70	8100	0,500	G40
NJ 2307 EG15	35	80	31			92,00	100,00	6800	0,736	H11
NJ 2307 EG15J30	35	80	31			92,00	100,00	6800	0,720	H11
NU 2307 EG15	35	80	31			96,00	101,00	6800	0,723	H05
2307 EEG15	35	80	31			25,00	7,90	5300	0,730	G25
2307 G15	35	80	31			39,50	11,10	7200	0,680	G01
2307 G15J30	35	80	31			39,50	11,10	7200	0,680	G01
2307 KG15J30	35	80	31			39,50	11,10	7200	0,680	G40
NJ 2308 EG15	40	90	33			113,00	121,00	6000	0,978	H11
NJ 2308 EG15J30	40	90	33			113,00	121,00	6000	0,978	H11
NU 2308 EG15	40	90	33			113,00	121,00	6000	0,958	H05
2308 EEG15	40	90	33			29,50	9,80	4800	0,990	G25
2308 G15	40	90	33			45,00	13,40	6400	0,919	G01
2308 G15J30	40	90	33			45,00	13,40	6400	0,919	G01
2308 KG15	40	90	33			45,00	13,40	6400	0,930	G40
2308 KG15J30	40	90	33			45,00	13,40	6400	0,903	G40
2308 KJ30	40	90	33			45,00	13,40	6400	0,930	G40
NJ 2309 EG15	45	100	36			143,00	156,00	5400	1,290	H11
NU 2309 EG15	45	100	36			143,00	156,00	5400	1,290	H05
2309 EEG15	45	100	36			38,00	12,90	4300	1,400	G25
2309 G15	45	100	36			54,00	16,40	5700	1,229	G01
2309 G15J30	45	100	36			54,00	16,40	5700	1,229	G01
2309 KG15	45	100	36			54,00	16,40	5700	1,229	G40
2309 KG15J30	45	100	36			54,00	16,40	5700	1,229	G40
2309 KJ30	45	100	36			54,00	16,40	5700	1,229	G40
NJ 2310 EG15	50	110	40			169,00	189,00	4900	1,740	H11
NU 2310 EG15	50	110	40			169,00	189,00	4900	1,740	H05
NU 2310 EG15J30	50	110	40			169,00	189,00	4900	1,740	H05
2310 EEG15	50	110	40			41,50	14,30	3900	1,780	G25
2310 G15	50	110	40			65,00	20,10	5200	1,623	G01
2310 G15J30	50	110	40			65,00	20,10	5200	1,623	G01
2310 KG15	50	110	40			65,00	20,10	5200	1,206	G40
2310 KG15J30	50	110	40			65,00	20,10	5200	1,206	G40
2310 KJ30	50	110	40			65,00	20,10	5200	1,650	G40
NJ 2311 EG15	55	120	43			207,00	235,00	4500	2,230	H11
NJ 2311 EG15J30	55	120	43			207,00	235,00	4500	2,230	H11
NU 2311 EG15	55	120	43			200,00	230,00	4500	2,220	H05
2311 G15	55	120	43			75,00	23,80	4700	2,070	G01
2311 KG15J30	55	120	43			75,00	23,80	4700	2,070	G40
2311 KJ30	55	120	43			75,00	23,80	4700	2,260	G40
NJ 2312 EG15	60	130	46			226,00	265,00	4100	2,830	H11
NU 2312 EG15	60	130	46			228,00	260,00	4300	2,780	H05
2312 G15	60	130	46			87,00	28,00	4300	2,600	G01



(ES) Referencias en itálica: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in corsivo: consegna fino ad esaurimento delle scorte.
 (BR) Referências em itálico: entrega até se esgotarem os estoques.



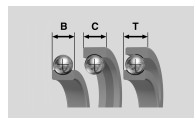
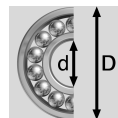
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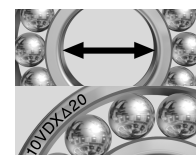
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	x1000 Newtons									
<i>2312 J30</i>	60	130	46			87,00	28,00	4300	2,600	G01
2312 KG15J30	60	130	46			87,00	28,00	4300	2,567	G40
2312 KJ30	60	130	46			87,00	28,00	4300	2,600	G40
NJ 2313 EG15	65	140	48			250,00	290,00	3800	3,380	H11
NU 2313 EG15	65	140	48			250,00	290,00	3800	3,320	H05
NU 2313 EMJ30	65	140	48			255,00	290,00	3800	4,500	H05
2313 G15	65	140	48			96,00	32,50	4000	3,171	G01
2313 KG15J30	65	140	48			96,00	32,50	4000	3,170	G40
NJ 2314 EG15	70	150	51			275,00	325,00	3600	4,090	H11
NU 2314 EG15	70	150	51			275,00	325,00	3600	4,020	H05
NU 2314 EMJ30	70	150	51			285,00	325,00	3600	5,500	H05
2314	70	150	51			109,00	37,50	3700	4,170	G01
NJ 2315 EG15	75	160	55			330,00	400,00	3300	5,040	H11
NU 2315 EG15	75	160	55			330,00	400,00	3300	4,950	H05
NU 2315 EMJ30	75	160	55			340,00	400,00	3300	6,000	H05
2315	75	160	55			123,00	42,50	3500	4,740	G01
2315 J30	75	160	55			123,00	42,50	3400	4,740	G01
2315 KJ30	75	160	55			123,00	42,50	3500	4,700	G40
NU 2316 EG15	80	170	58			360,00	440,00	3100	5,890	H05
NU 2316 EMJ30	80	170	58			370,00	440,00	3100	6,500	H05
NU 2317 EG15	85	180	60			380,00	460,00	2900	6,710	H05
NU 2318 EG15	90	190	64			440,00	540,00	2800	8,040	H05
2318	90	190	64			149,00	58,00	2900	7,840	G01
2318 KJ30	90	190	64			149,00	58,00	2900	7,840	G40
NU 2319 EG15	95	200	67			465,00	590,00	2600	9,400	H05
NU 2319 EMJ30	95	200	67			465,00	590,00	2600	10,190	H05
NU 2320 EG15	100	215	73			570,00	720,00	2500	12,100	H05
NU 2322 EMJ30	110	240	80			680,00	900,00	2200	18,300	H05
NU 2324 EMJ30	120	260	86			800,00	1040,00	2000	23,200	H05
NU 2326 EMJ30	130	280	93			930,00	1240,00	1900	28,800	H05
NU 2328 EMJ30	140	300	102			1040,00	1420,00	1800	36,000	H05
NU 2330 EMJ30	150	320	108			1170,00	1600,00	1600	43,200	H05
NU 2332 EMJ30	160	340	114			1330,00	1840,00	1500	51,500	H05
3200 A	10	30	14			7,80	4,55	16000	0,043	E01
3200 AJ30	10	30	14			7,80	4,55	16000	0,043	E01
3201 A	12	32	15,9			10,70	5,90	15000	0,051	E01
3201 AJ30	12	32	15,9			10,70	5,90	15000	0,051	E01
3202 A	15	35	15,9			11,80	7,10	13000	0,058	E01
3202 AJ30	15	35	15,9			11,80	7,10	13000	0,058	E01
3203 A	17	40	17,5			14,60	9,00	12000	0,085	E01
3203 AJ30	17	40	17,5			14,60	9,00	12000	0,085	E01
3204 A	20	47	20,6			19,60	12,50	9700	0,139	E01
3204 AJ30	20	47	20,6			19,60	12,50	9700	0,139	E01
3205 B	25	52	20,6			18,90	18,20	8400	0,190	E72
3205 BJ30	25	52	20,6			18,90	18,20	8400	0,190	E72
3206 B	30	62	23,8			27,00	27,00	7200	0,310	E72
3206 BJ30	30	62	23,8			27,00	27,00	7200	0,310	E72
3207 B	35	72	27			37,00	37,50	6100	0,480	E72
3207 BJ30	35	72	27			37,00	37,50	6100	0,480	E72



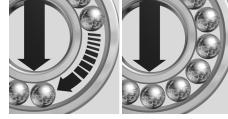
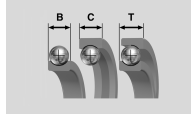
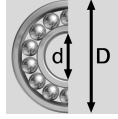
3208 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
3208 B	40	80	30,2			42,00	44,00	5500	0,650	E72
<i>3208 BG15</i>	40	80	30,2			45,00	46,50	5500	0,640	E72
3208 BJ30	40	80	30,2			42,00	44,00	5500	0,650	E72
3209 A	45	85	30,2			48,00	37,00	5100	0,583	E01
3209 AJ30	45	85	30,2			48,00	37,00	5100	0,583	E01
3210 A	50	90	30,2			51,00	42,00	4700	0,760	E01
3210 AJ30	50	90	30,2			51,00	42,00	4700	0,760	E01
3211 A	55	100	33,3			63,00	52,00	4300	0,876	E01
3211 AJ30	55	100	33,3			63,00	52,00	4300	0,876	E01
3212 A	60	110	36,5			72,00	61,00	3900	1,180	E01
3212 AJ30	60	110	36,5			72,00	61,00	3900	1,180	E01
3213 A	65	120	38,1			80,00	73,00	3500	1,520	E01
3213 AJ30	65	120	38,1			80,00	73,00	3500	1,520	E01
3214 A	70	125	39,7			84,00	76,00	3400	1,520	E01
3214 AJ30	70	125	39,7			84,00	76,00	3400	1,520	E01
3215 A	75	130	41,3			77,00	84,00	3200	1,910	E72
3215 AJ30	75	130	41,3			77,00	84,00	3200	1,910	E72
3216 A	80	140	44,4			99,00	93,00	3000	2,450	E72
3217	85	150	49,2			113,00	150,00	2800	3,600	E72
3218	90	160	52,4			124,00	169,00	2600	4,400	E72
3302 A	15	42	19			16,20	10,10	11000	0,112	E01
3303 A	17	47	22,2			20,90	12,40	10000	0,161	E01
3304 B	20	52	22,2			20,80	18,30	9000	0,230	E72
3304 BJ30	20	52	22,2			20,80	18,30	9000	0,230	E72
3305 B	25	62	25,4			29,00	26,50	7500	0,370	E72
3305 BJ30	25	62	25,4			29,00	26,50	7500	0,370	E72
3306 B	30	72	30,2			38,00	36,00	6400	0,580	E72
3306 BJ30	30	72	30,2			38,00	36,00	6400	0,580	E72
3306 BS01	30	72	30,2			40,50	38,00	6500	0,582	
3307 B	35	80	34,9			48,50	47,00	5600	0,780	E72
3307 BJ30	35	80	34,9			48,50	47,00	5600	0,780	E72
3308 B	40	90	36,5			60,00	59,00	5100	1,050	E72
<i>3308 BG15</i>	40	90	36,5			60,00	63,00	4900	1,058	E72
3308 BJ30	40	90	36,5			60,00	59,00	5100	1,050	E72
3309 A	45	100	39,7			68,00	51,00	4600	1,210	E01
3309 AJ30	45	100	39,7			68,00	51,00	4600	1,210	E01
3310 A	50	110	44,4			81,00	62,00	4200	1,600	E01
3310 AJ30	50	110	44,4			81,00	62,00	4200	1,600	E01
3311 A	55	120	49,2			102,00	79,00	3800	2,110	E01
3311 AJ30	55	120	49,2			102,00	79,00	3800	2,110	E01
3311 B	55	120	49,2			101,00	113,00	3800	2,530	E72
3312 A	60	130	54			125,00	98,00	3500	2,700	E01
3312 AJ30	60	130	54			125,00	98,00	3500	2,700	E01
3313 A	65	140	58,7			149,00	118,00	3200	3,390	E01
3313 AJ30	65	140	58,7			149,00	118,00	3200	3,390	E01

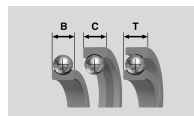
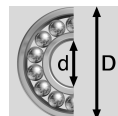


3314 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
3314 B	70	150	63,5			147,00	172,00	3000	5,050	E72
3314 BJ30	70	150	63,5			147,00	172,00	3000	5,050	E72
3316	80	170	68,3			177,00	212,00	2600	7,300	E72
3318	90	190	73			215,00	275,00	2300	9,750	E72
4200 A	10	30	14			9,20	5,20	18000	0,049	C01
4200 AJ30	10	30	14			9,20	5,20	18000	0,049	C01
4201 A	12	32	14			9,40	5,50	16000	0,055	C01
4202 A	15	35	14			10,40	6,60	14000	0,060	C01
4203 A	17	40	16			14,70	9,50	13000	0,090	C01
4204	20	47	18			16,40	16,00	10000	0,140	C01
4204 A	20	47	18			17,80	12,70	11000	0,140	C01
4205 A	25	52	18			19,20	14,70	9400	0,160	C01
4205 AJ30	25	52	18			19,20	14,70	9400	0,160	C01
4206 A	30	62	20			26,00	20,70	7800	0,260	C01
4207 A	35	72	23			32,00	26,00	6700	0,434	C01
4208 A	40	80	23			34,00	30,00	6000	0,531	C01
4208 ANR	40	80	23			34,00	30,00	6000	0,500	
4209 A	45	85	23			36,00	33,00	5500	0,581	C01
4210 A	50	90	23			39,80	36,50	5100	0,623	C01
4210 AJ30	50	90	23			39,80	36,50	5100	0,623	C01
4211 A	55	100	25			43,00	43,00	4600	0,839	C01
4212 A	60	110	28			57,00	58,00	4200	1,153	C01
4213 A	65	120	31			67,00	67,00	3900	1,615	C01
4214 A	70	125	31			70,00	73,00	3700	1,715	C01
4215 A	75	130	31			73,00	80,00	3500	1,810	C01
4216 A	80	140	33			81,00	90,00	3300	2,280	C01
4217 A	85	150	36			94,00	106,00	3100	2,500	C01
4302 A	15	42	17			14,80	9,10	12000	0,120	C01
4303 A	17	47	19			19,70	13,20	11000	0,160	C01
4303 AJ30	17	47	19			19,70	13,20	11000	0,160	C01
4304 A	20	52	21			23,40	16,00	9400	0,210	C01
4305 A	25	62	24			31,50	22,40	7800	0,340	C01
4305 AJ30	25	62	24			31,50	22,40	7800	0,340	C01
4306 A	30	72	27			39,50	30,50	6700	0,541	C01
4306 AJ30	30	72	27			39,50	30,50	6700	0,541	C01
4307 A	35	80	31			51,00	38,00	5900	0,732	C01
4308 A	40	90	33			63,00	48,00	5200	1,006	C01
4308 AJ30	40	90	33			63,00	48,00	5200	1,006	C01
4309 A	45	100	36			72,00	60,00	4700	1,348	C01
4310 A	50	110	40			89,00	76,00	4200	1,800	C01
4311 A	55	120	43			104,00	90,00	3900	2,275	C01
4312 A	60	130	46			120,00	106,00	3600	2,890	C01
4313 A	65	140	48			129,00	113,00	3300	3,460	C01
4314 A	70	150	51			147,00	131,00	3100	3,950	C01
4315 A	75	160	55			170,00	155,00	2800	5,380	C01

5201 →



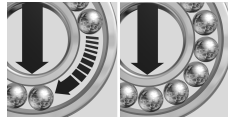
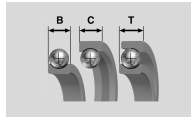
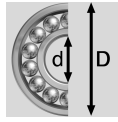
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
5201 EE	12	32	15,9			10,70	5,90	15000	0,051	E25
5201 ZZ	12	32	15,9			10,70	5,90	15000	0,051	E21
5202 EE	15	35	15,9			11,80	7,10	13000	0,058	E25
5202 ZZ	15	35	15,9			11,80	7,10	13000	0,058	E21
5202 NRZZ	15	35	15,9			11,80	7,10	13000	0,058	E36
5203 EE	17	40	17,5			14,60	9,00	12000	0,085	E25
5203 ZZ	17	40	17,5			14,60	9,00	12000	0,085	E21
5203 NRZZ	17	40	17,5			14,60	9,00	12000	0,100	E36
5204 EE	20	47	20,6			19,60	12,50	9700	0,140	E25
5204 ZZ	20	47	20,6			19,60	12,50	9700	0,140	E21
5204 NRZZ	20	47	20,6			19,60	12,50	9700	0,140	E36
5205 EE	25	52	20,6			21,30	14,70	8400	0,160	E25
5205 EEJ30	25	52	20,6			21,30	14,70	8400	0,159	G25
5205 NREE	25	52	20,6			21,30	14,70	8400	0,159	
5205 ZZ	25	52	20,6			21,30	14,70	8400	0,160	E21
5205 NRZZ	25	52	20,6			21,30	14,70	8400	0,160	E36
5206 EE	30	62	23,8			29,50	21,10	7100	0,265	E25
5206 EEJ30	30	62	23,8			29,50	21,10	7100	0,265	E25
5206 ZZ	30	62	23,8			29,50	21,10	7100	0,262	E21
5206 NRZZ	30	62	23,8			29,50	21,10	7100	0,265	E36
5207 EE	35	72	27			39,00	28,50	6200	0,430	E25
5207 ZZ	35	72	27			39,00	28,50	6200	0,430	E21
5207 NRZZ	35	72	27			39,00	28,50	6200	0,480	E36
5208 EE	40	80	30,2			48,00	36,50	5500	0,570	E25
5208 ZZ	40	80	30,2			48,00	36,50	5500	0,570	E21
5208 NRZZ	40	80	30,2			48,00	36,50	5500	0,650	E36
5209 EE	45	85	30,2			48,00	37,00	5100	0,620	E25
5209 ZZ	45	85	30,2			48,00	37,00	5100	0,620	E21
5209 NRZZ	45	85	30,2			48,00	37,00	5100	0,710	E36
5210 EE	50	90	30,2			51,00	42,00	4700	0,800	E25
5210 ZZ	50	90	30,2			51,00	42,00	4700	0,760	E21
5210 NRZZ	50	90	30,2			51,00	42,00	4700	0,760	E36
5211 EE	55	100	33,3			59,00	49,50	2800	0,876	E25
5211 ZZ	55	100	33,3			59,00	49,50	4300	0,876	E21
5211 NRZZ	55	100	33,3			59,00	49,50	4300	0,876	E36
5212 EE	60	110	36,5			72,00	61,00	2500	1,180	E25
5212 ZZ	60	110	36,5			72,00	61,00	3900	1,180	E21
5212 NRZZ	60	110	36,5			72,00	61,00	3900	1,180	E36
5213 EE	65	120	38,1			80,00	73,00	3500	1,520	E25
5213 ZZ	65	120	38,1			80,00	73,00	3500	1,520	E21
5213 NRZZ	65	120	38,1			80,00	73,00	3500	1,520	E36
5214 EE	70	125	39,7			84,00	76,00	2200	1,640	E25
5214 ZZ	70	125	39,7			84,00	76,00	3400	1,640	E21
5214 NRZZ	70	125	39,7			84,00	76,00	3400	1,640	E36
5302 EE	15	42	19			16,20	10,10	11000	0,112	E25
5303 EE	17	47	22,2			20,90	12,40	10000	0,161	E25
5303 ZZ	17	47	22,2			20,90	12,40	10000	0,160	E21
5303 NRZZ	17	47	22,2			20,90	12,40	10000	0,190	E36
5304 EE	20	52	22,2			23,30	15,10	8900	0,200	E25
5304 ZZ	20	52	22,2			23,30	15,10	8900	0,200	E21



(ES) Referencias en *italica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *italico*: entrega até se esgotarem os estoques.



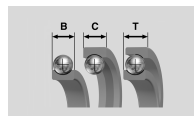
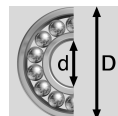
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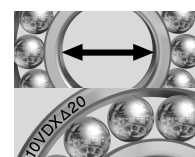
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
5304 NRZZ	20	52	22,2			23,30	15,10	8900	0,200	E36
5305 EE	25	62	25,4			30,00	19,90	7600	0,320	E25
5305 ZZ	25	62	25,4			30,00	19,90	7600	0,320	E21
5305 NRZZ	25	62	25,4			30,00	19,90	7600	0,320	E36
5306 EE	30	72	30,2			41,50	28,50	6500	0,510	E25
5306 ZZ	30	72	30,2			41,50	28,50	6500	0,510	E21
5306 NRZZ	30	72	30,2			41,50	28,50	6500	0,590	E36
5307 EE	35	80	34,9			51,00	34,50	5700	0,790	E25
5307 ZZ	35	80	34,9			51,00	34,50	5700	0,790	E21
5307 NRZZ	35	80	34,9			51,00	34,50	5700	0,820	E36
5308 EE	40	90	36,5			62,00	45,00	5100	1,050	E25
5308 ZZ	40	90	36,5			62,00	45,00	5100	1,050	E21
5308 NRZZ	40	90	36,5			62,00	45,00	5100	1,050	E36
5309 EE	45	100	39,7			68,00	51,00	4600	1,420	E25
5309 ZZ	45	100	39,7			68,00	51,00	4600	1,420	E21
5309 NRZZ	45	100	39,7			68,00	51,00	4600	1,340	E36
5310 EE	50	110	44,4			81,00	62,00	4200	1,930	E25
5310 ZZ	50	110	44,4			81,00	62,00	4200	1,930	E21
5310 NRZZ	50	110	44,4			81,00	62,00	4200	1,720	E36
5311 ZZ	55	120	49,2			102,00	79,00	3800	2,110	E21
5311 NRZZ	55	120	49,2			102,00	79,00	3800	2,110	E36
5312 ZZ	60	130	54			125,00	98,00	3500	2,700	E21
5312 NRZZ	60	130	54			125,00	98,00	3500	2,700	E36
5313 ZZ	65	140	58,7			149,00	118,00	3200	3,390	E21
5313 NRZZ	65	140	58,7			149,00	118,00	3200	3,390	E36
6000	10	26	8			4,60	1,97	27000	0,019	A01
6000 E	10	26	8			4,60	1,97	18000	0,019	A20
6000 EE	10	26	8			4,60	1,97	18000	0,019	A25
6000 EED43	10	26	8			4,60	1,97	18000	0,019	A25
6000 EEJ30	10	26	8			4,60	1,97	18000	0,017	A25
6000 EEJ30D129	10	26	8			4,60	1,97	18000	0,019	A25
6000 FT150	10	26	8			4,60	1,97	18000	0,019	A25
6000 FT150ZZ	10	26	8			4,60	1,97	27000	0,019	A21
6000 HVZZ	10	26	8			4,60	1,97	38800	0,019	A21
6000 J30	10	26	8			4,60	1,97	27000	0,019	A01
6000 LT	10	26	8			4,60	1,97	19000	0,019	A25
6000 LTZZ	10	26	8			4,60	1,97	28000	0,019	A21
6000 Z	10	26	8			4,60	1,97	27000	0,019	A20
6000 ZG15	10	26	8			4,60	1,97	27000	0,019	A20
6000 ZZ	10	26	8			4,60	1,97	27000	0,019	A21
6000 ZZG15J30	10	26	8			4,60	1,97	27000	0,019	A21
6000 ZZJ30	10	26	8			4,60	1,97	27000	0,019	A21
6001	12	28	8			5,10	2,39	24000	0,020	A01
6001 E	12	28	8			5,10	2,37	16000	0,022	A20
6001 EE	12	28	8			5,10	2,37	16000	0,022	A25
6001 EEJ30	12	28	8			5,10	2,37	16000	0,022	A25
6001 EEJ30D129	12	28	8			5,10	2,37	16000	0,022	A25
6001 EEJ40	12	28	8			5,10	2,37	16000	0,022	A25
6001 FT150	12	28	8			5,10	2,37	16000	0,022	A25
6001 FT150ZZ	12	28	8			5,10	2,37	25000	0,022	A21
6001 HVZZ	12	28	8			5,10	2,37	35000	0,022	A21
6001 G15J30	12	28	8			5,10	2,39	24000	0,020	A01
6001 J30	12	28	8			5,10	2,39	24000	0,020	A01
6001 LT	12	28	8			5,10	2,37	17000	0,022	A25
6001 LTZZ	12	28	8			5,10	2,37	25000	0,022	A21



6001 →



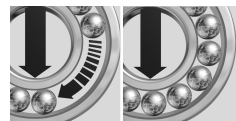
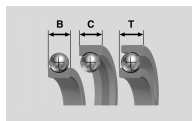
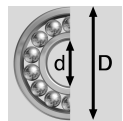
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6001 Z	12	28	8			5,10	2,37	25000	0,022	A20
6001 ZZ	12	28	8			5,10	2,37	25000	0,022	A21
6001 ZZJ30	12	28	8			5,10	2,37	25000	0,022	A21
6001 ZZJ40	12	28	8			5,10	2,37	25000	0,022	A21
6001 ZZJ50	12	28	8			5,10	2,37	25000	0,022	A21
6002	15	32	9			5,60	2,85	21000	0,028	A01
6002 E	15	32	9			5,60	2,85	14000	0,029	A20
6002 EE	15	32	9			5,60	2,85	14000	0,030	A25
6002 EEJ30	15	32	9			5,60	2,85	14000	0,028	A25
6002 EEJ30D129	15	32	9			5,60	2,85	14000	0,030	A25
6002 FT150	15	32	9			5,60	2,85	14000	0,030	A25
6002 FT150ZZ	15	32	9			5,60	2,85	21000	0,030	A21
6002 HT200ZZ	15	32	9			5,60	2,85	6300	0,029	A21
6002 HVZZ	15	32	9			5,60	2,85	29700	0,030	A21
6002 J30	15	32	9			5,60	2,85	21000	0,028	A01
6002 LT	15	32	9			5,60	2,85	14000	0,030	A25
6002 LTZZ	15	32	9			5,60	2,85	21000	0,030	A21
6002 NZZ	15	32	9			5,60	2,85	21000	0,030	A34
6002 Z	15	32	9			5,60	2,85	21000	0,030	A20
6002 ZJ30	15	32	9			5,60	2,85	21000	0,030	A20
6002 ZZ	15	32	9			5,60	2,85	21000	0,028	A21
6002 ZZG15J30	15	32	9			5,60	2,85	21000	0,030	A21
6002 ZZJ30	15	32	9			5,60	2,85	21000	0,030	A21
6003	17	35	10			6,00	3,25	19000	0,035	A01
6003 E	17	35	10			6,00	3,25	12000	0,039	A20
6003 EE	17	35	10			6,00	3,25	12000	0,039	A25
6003 EED43	17	35	10			6,00	3,25	12000	0,040	A25
6003 EEJ30	17	35	10			6,00	3,25	12000	0,035	A25
6003 EEJ30D129	17	35	10			6,00	3,25	12000	0,039	A25
6003 F226A	17	35	10			6,00	3,25	12000	0,039	A25
6003 FT150	17	35	10			6,00	3,25	12000	0,039	A25
6003 FT150ZZ	17	35	10			6,00	3,25	19000	0,039	A21
6003 HVZZ	17	35	10			6,00	3,25	26900	0,039	A21
6003 J30	17	35	10			6,00	3,25	19000	0,039	A01
6003 LT	17	35	10			6,00	3,25	13000	0,039	A25
6003 LTZZ	17	35	10			6,00	3,25	19000	0,039	A21
6003 NREE	17	35	10			6,00	3,25	12000	0,039	A39
6003 Z	17	35	10			6,00	3,25	19000	0,039	A20
6003 ZZ	17	35	10			6,00	3,25	19000	0,039	A21
6003 ZZJ30	17	35	10			6,00	3,25	19000	0,039	A21
6004	20	42	12			9,40	5,00	16000	0,067	A01
6004 E	20	42	12			9,40	5,00	10000	0,067	A20
6004 EE	20	42	12			9,40	5,00	10000	0,067	A25
6004 EEJ30	20	42	12			9,40	5,00	10000	0,067	A25
6004 EEJ30D43	20	42	12			9,40	5,00	10000	0,067	A25
6004 F600	20	42	12			0,01	0,00	50	0,070	A01
6004 F700	20	42	12			9,40	5,00	26000	0,070	A34
6004 FT150	20	42	12			9,40	5,00	10000	0,068	A25
6004 FT150ZZ	20	42	12			9,40	5,00	16000	0,068	A21
6004 F604	20	42	12			0,01	0,00	50	0,068	A21
6004 F605	20	42	12			0,01	0,00	50	0,068	A01
6004 HT200	20	42	12			9,40	5,00	4800	0,070	A21
6004 HVZZ	20	42	12			9,40	5,00	22500	0,068	A21
6004 J30	20	42	12			9,40	5,00	16000	0,068	A01
6004 LT	20	42	12			9,40	5,00	10000	0,066	A01
6004 LTZZ	20	42	12			9,40	5,00	16000	0,066	A21
6004 NEEJ40	20	42	12			9,40	5,00	10000	0,068	A38
6004 NR	20	42	12			9,40	5,00	16000	0,068	A62
6004 NREE	20	42	12			9,40	5,00	10000	0,068	A39
6004 NRZZ	20	42	12			9,40	5,00	16000	0,068	A36
6004 Z	20	42	12			9,40	5,00	16000	0,064	A20
6004 ZZ	20	42	12			9,40	5,00	16000	0,068	A21
6004 ZZJ30	20	42	12			9,40	5,00	16000	0,067	A21



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.



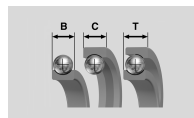
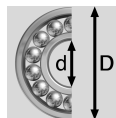
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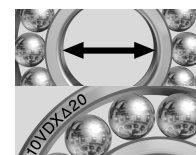
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6005	25	47	12			10,10	5,90	13000	0,083	A01
6005 E	25	47	12			10,10	5,80	9300	0,080	A20
6005 EE	25	47	12			10,10	5,80	9300	0,080	A25
6005 EED43	25	47	12			10,10	5,80	9300	0,08	A25
6005 EEJ30	25	47	12			10,10	5,80	9300	0,080	A25
<i>6005 EEJ30D43</i>	25	47	12			10,10	5,80	9300	0,08	A25
6005 FT150	25	47	12			10,10	5,80	9300	0,077	A25
6005 FT150ZZ	25	47	12			10,10	5,80	14000	0,077	A21
6005 G15J40	25	47	12			10,10	5,80	14000	0,080	A01
6005 HVZZ	25	47	12			10,10	5,80	19400	0,077	A21
6005 J30	25	47	12			10,10	5,80	14000	0,080	A01
6005 LT	25	47	12			10,10	5,80	9300	0,077	A25
6005 LTZZ	25	47	12			10,10	5,80	14000	0,077	A21
6005 N	25	47	12			10,10	5,80	14000	0,080	A61
6005 Z	25	47	12			10,10	5,80	14000	0,080	A20
6005 ZJ30	25	47	12			10,10	5,80	14000	0,080	A20
6005 ZZ	25	47	12			10,10	5,90	13000	0,083	A21
6005 ZZJ30	25	47	12			10,10	5,80	14000	0,080	A21
6005 ZZJ30D43	25	47	12			10,10	5,8	14000	0,08	A21
6006	30	55	13			13,20	8,30	11000	0,111	A01
6006 E	30	55	13			13,20	8,30	7800	0,116	A20
6006 EE	30	55	13			13,20	8,30	7800	0,116	A25
6006 EEJ30	30	55	13			13,20	8,30	7700	0,111	A25
6006 EEJ40	30	55	13			13,20	8,30	7700	0,111	A25
6006 EEJ30D43	30	55	13			13,20	8,30	7800	0,116	A25
6006 F700	30	55	13			12,60	8,20	19000	0,120	A34
6006 FT150	30	55	13			13,20	8,30	7800	0,116	A25
6006 FT150ZZ	30	55	13			13,20	8,30	11000	0,116	A21
6006 HVZZ	30	55	13			13,20	8,30	16400	0,116	A21
6006 J30	30	55	13			13,20	8,30	11000	0,116	A01
6006 J40	30	55	13			13,20	8,30	11000	0,116	A01
6006 LT	30	55	13			13,20	8,30	7800	0,116	A25
6006 LTZZ	30	55	13			13,20	8,30	12000	0,116	A21
6006 NR	30	55	13			13,20	8,30	12000	0,116	A62
6006 NREE	30	55	13			13,20	8,30	7800	0,116	A39
6006 NRZZ	30	55	13			13,20	8,30	11000	0,116	A36
6006 Z	30	55	13			13,20	8,30	11000	0,116	A20
6006 ZJ30	30	55	13			13,20	8,30	11000	0,116	A20
6006 ZJ40	30	55	13			13,20	8,30	11000	0,116	A20
6006 ZZ	30	55	13			13,20	8,30	11000	0,111	A21
6006 ZZJ30	30	55	13			13,20	8,30	11000	0,116	A21
<i>6006 ZZJ30D43</i>	30	55	13			13,20	8,30	11000	0,116	A21
6006 ZZJ40	30	55	13			13,20	8,30	11000	0,116	A21
6007	35	62	14			16,00	10,30	10000	0,153	A01
6007 E	35	62	14			16,00	10,30	6800	0,153	A20
6007 EE	35	62	14			16,00	10,30	6800	0,153	A25
6007 EEJ30	35	62	14			16,00	10,30	6800	0,133	A25
6007 EEJ30D43	35	62	14			16	10,3	6800	0,153	A25
6007 EJ30	35	62	14			16,00	10,30	6800	0,153	A20
6007 F355	35	62	14			16,00	10,30	6800	0,153	
6007 F572	35	62	18,2			16,00	10,30	6900	0,214	
6007 F600	35	62	14			0,01	0,00	50	0,151	A01
6007 F604	35	62	14			0,01	0,00	50	0,159	A21
6007 F605	35	62	14			0,01	0,00	50	0,159	A01
6007 F785	35	62	14			16,00	10,30	6800	0,153	
6007 FT150	35	62	14			16,00	10,30	6800	0,153	A25
6007 FT150ZZ	35	62	14			16,00	10,30	10000	0,153	A21
6007 G15	35	62	14			16,00	10,30	10000	0,153	A01
6007 HVZZ	35	62	14			16,00	10,30	16400	0,153	A21
6007 J30	35	62	14			16,00	10,30	10000	0,153	A01
6007 LTZZ	35	62	14			16,00	10,30	10000	0,153	A21
6007 N	35	62	14			16,00	10,30	10000	0,153	A61
6007 NR	35	62	14			16,00	10,30	10000	0,153	A62
6007 NRZZ	35	62	14			16,00	10,30	10000	0,153	A36



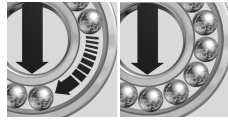
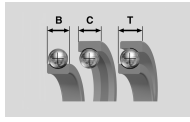
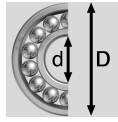
6007 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6007 Z	35	62	14			16,00	10,30	10000	0,153	A20
6007 ZJ30	35	62	14			16,00	10,30	10000	0,155	A20
6007 ZZ	35	62	14			16,00	10,30	10000	0,133	A21
6007 ZZJ30	35	62	14			16,00	10,30	10000	0,153	A21
6008	40	68	15			16,80	11,50	9200	0,192	A01
6008 E	40	68	15			16,80	11,50	6100	0,192	A20
6008 EE	40	68	15			17,00	11,70	6100	0,185	A25
6008 EEJ30	40	68	15			16,80	11,50	6100	0,192	A25
6008 EEJ30D43	40	68	15			16,80	11,50	6100	0,192	A25
6008 F552	40	68	15			16,80	11,50	6100	0,192	☎
6008 F600	40	68	15			0,01	0,00	50	0,185	A01
6008 F605	40	68	15			0,01	0,00	50	0,185	A01
6008 FT150	40	68	15			16,80	11,50	6100	0,192	A25
6008 FT150ZZ	40	68	15			16,80	11,50	9200	0,192	A21
6008 HT200	40	68	15			16,80	11,50	2700	0,192	A25
6008 HVZZ	40	68	15			16,80	11,50	12000	0,192	A21
6008 J30	40	68	15			16,80	11,50	9200	0,192	A01
6008 J40	40	68	15			16,80	11,50	9200	0,192	A01
6008 NRJ30	40	68	15			17,40	11,50	9300	0,189	A62
6008 NRZZ	40	68	15			16,80	11,50	9200	0,192	A36
6008 Z	40	68	15			16,80	11,50	9200	0,192	A20
6008 ZJ30	40	68	15			16,80	11,50	9200	0,192	A20
6008 ZZ	40	68	15			17,00	11,70	9200	0,185	A21
6008 ZZJ30	40	68	15			16,80	11,50	9200	0,192	A21
51Y 6009 J40	45	75	16			21,10	14,80	8300	0,248	A01
ENS 6009 S03	45	75	32						0,488	☎
6009	45	75	16			21,10	14,80	8300	0,231	A01
6009 E	45	75	16			21,00	15,20	5600	0,244	A20
6009 EE	45	75	16			21,10	14,80	5500	0,231	A25
6009 EEJ30	45	75	16			21,00	15,20	5500	0,248	A25
6009 EJ30	45	75	16			21,00	15,20	5500	0,243	A20
6009 FT150	45	75	16			21,00	15,20	5500	0,243	A25
6009 FT150ZZ	45	75	16			21,00	15,20	8300	0,250	A21
6009 J30	45	75	16			21,00	15,20	8300	0,248	A01
6009 NR	45	75	16			21,00	15,20	8300	0,244	A62
6009 Z	45	75	16			21,00	15,20	8300	0,248	A20
6009 ZJ30	45	75	16			21,00	15,20	8300	0,244	A20
6009 ZZ	45	75	16			21,10	14,80	8300	0,231	A21
6009 ZZJ30	45	75	16			21,00	15,20	8300	0,243	A21
6010	50	80	16			21,80	16,60	7600	0,265	A01
6010 E	50	80	16			21,80	16,60	5000	0,267	A20
6010 EE	50	80	16			21,80	16,60	5000	0,265	A25
6010 EEJ30	50	80	16			21,80	16,60	5000	0,265	A25
6010 FT150	50	80	16			21,80	16,60	5000	0,267	A25
6010 FT150ZZ	50	80	16			21,80	16,60	7600	0,270	A21
6010 J30	50	80	16			21,80	16,60	7600	0,265	A01
6010 J40	50	80	16			21,80	16,60	4200	0,267	A01
6010 NEE	50	80	16			21,80	16,60	5100	0,265	A38
6010 N	50	80	16			21,80	16,60	7600	0,267	A61
6010 NR	50	80	16			21,80	16,60	7600	0,267	A62
6010 NRE	50	80	16			21,80	16,60	5000	0,267	☎
6010 NREE	50	80	16			21,80	16,60	5000	0,267	A39
6010 NRZZ	50	80	16			21,80	16,60	7600	0,267	A36
6010 Z	50	80	16			21,80	16,60	7600	0,265	A20
6010 ZJ30	50	80	16			21,80	16,60	7700	0,265	A20
6010 ZZ	50	80	16			21,80	16,60	7600	0,265	A21
6010 ZZJ30	50	80	16			21,80	16,60	7600	0,267	A21
ENS 6011 S02	55	90	36						0,776	☎
6011	55	90	18			30,50	22,00	6800	0,362	A01
6011 E	55	90	18			28,50	21,30	4600	0,387	A20
6011 ED43	55	90	18			28,50	21,30	4600	0,387	A24
6011 EE	55	90	18			28,50	21,30	4500	0,388	A25

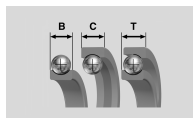
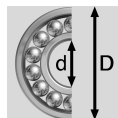


6011 →

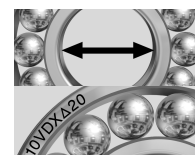


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6011 EEJ30	55	90	18			28,50	21,30	4500	0,388	A25
6011 F700	55	90	18			28,50	21,30	11200	0,368	A34
6011 J30	55	90	18			28,50	21,30	6900	0,388	A01
6011 Z	55	90	18			30,50	22,00	6800	0,362	A20
6011 ZZ	55	90	18			28,50	21,30	6800	0,388	A21
6011 ZZJ30	55	90	18			28,50	21,30	6800	0,387	A21
6012	60	95	18			31,50	24,20	6300	0,385	A01
6012 E	60	95	18			29,50	23,20	4300	0,411	A20
6012 EE	60	95	18			29,50	23,20	4300	0,411	A25
6012 EEJ30	60	95	18			29,50	23,20	4300	0,413	A25
6012 J30	60	95	18			29,50	23,20	6400	0,413	A01
6012 S01	60	95	18			29,50	25,30	6500	0,411	☎
6012 Z	60	95	18			29,50	23,20	6500	0,411	A20
6012 ZJ30	60	95	18			29,50	23,20	6400	0,415	A20
6012 ZZ	60	95	18			29,50	23,20	6400	0,411	A21
6012 ZZJ30	60	95	18			29,50	23,20	6400	0,413	A21
6013	65	100	18			30,50	25,00	6100	0,444	A01
6013 E	65	100	18			30,50	25,00	4000	0,450	A20
6013 EJ30	65	100	18			30,50	25,00	4000	0,450	A20
6013 EE	65	100	18			30,50	25,00	4000	0,454	A25
6013 EEJ30	65	100	18			30,50	25,00	4000	0,454	A25
6013 EEJ30D43	65	100	18			30,50	25,00	4000	0,453	A25
6013 F204A	65	101,6	25			30,50	25,00	6100	0,580	A82
6013 FT150	65	100	18			30,50	25,00	4000	0,454	A25
6013 J20	65	100	18			30,50	25,00	6100	0,444	A01
6013 J30	65	100	18			30,50	25,00	6100	0,444	A01
6013 N	65	100	18			30,50	25,00	6100	0,440	A61
6013 NR	65	100	18			30,50	25,00	6100	0,440	A62
6013 NRZ	65	100	18			30,50	25,00	6100	0,440	A20
6013 NZ	65	100	18			30,50	25,00	6100	0,440	☎
6013 S01	65	100	18			30,50	25,00	6100	0,440	☎
6013 Z	65	100	18			30,50	25,00	6100	0,440	A20
6013 ZJ30	65	100	18			30,50	25,00	6100	0,440	A20
6013 ZJ40	65	100	18			30,50	25,00	6100	0,440	A20
6013 ZZ	65	100	18			30,50	25,00	6100	0,453	A21
6013 ZZJ30	65	100	18			30,50	25,00	6100	0,453	A21
6013 ZZJ30D43	65	100	18			30,50	25,00	4000	0,453	A21
6014	70	110	20			38,00	31,00	5500	0,610	A01
6014 E	70	110	20			36,00	28,50	3700	0,605	A20
6014 EE	70	110	20			38,00	31,00	3700	0,610	A25
6014 EEJ30	70	110	20			38,00	31,00	3700	0,610	A25
6014 EEJ30D43	70	110	20			38,00	31,00	3700	0,610	A25
6014 F552	70	110	20			36,00	28,50	3700	0,611	☎
6014 J30	70	110	20			38,00	31,00	5500	0,610	A01
6014 NR	70	110	20			38,00	31,00	5500	0,610	A62
6014 NREEJ30	70	110	20			36,00	28,50	3700	0,633	A39
6014 ZZ	70	110	20			38,00	31,00	5500	0,610	A21
6014 ZZJ30	70	110	20			38,00	31,00	5500	0,610	A21
6015	75	115	20			39,50	33,50	5200	0,640	A01
6015 E	75	115	20			39,50	33,50	3500	0,640	A20
6015 EE	75	115	20			39,50	33,50	3500	0,640	A25
6015 EEJ30	75	115	20			39,50	33,50	3500	0,640	A25
6015 EEJ30D43	75	115	20			39,50	33,50	3500	0,640	A25
6015 EEJ40	75	115	20			39,50	33,50	3500	0,640	A25
6015 J30	75	115	20			39,50	33,50	6500	0,640	A01
6015 J40	75	115	20			39,50	33,50	5200	0,640	A01
6015 Z	75	115	20			39,50	33,50	5200	0,640	A20
6015 ZZ	75	115	20			39,50	33,50	5200	0,640	A21
6015 ZZJ30	75	115	20			39,50	33,50	5200	0,640	A21
6016	80	125	22			47,50	39,50	4800	0,870	A01
6016 EE	80	125	22			47,50	40,00	3200	0,821	A25

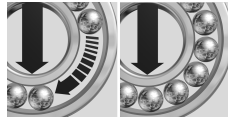
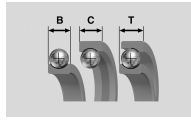
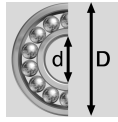
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	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6016 EEJ30	80	125	22			47,50	39,50	3200	0,870	A25
6016 J30	80	125	22			47,50	39,50	4800	0,870	A01
6016 ZZ	80	125	22			47,50	39,50	4800	0,870	A21
6016 ZZJ30	80	125	22			47,50	39,50	4800	0,870	A01
6017	85	130	22			49,50	43,00	4600	0,900	A01
6017 EE	85	130	22			49,50	43,00	3100	0,900	A25
6017 EEJ30	85	130	22			49,50	43,00	3100	0,900	A25
6017 EEJ30D43	85	130	22			49,50	43,00	3100	0,900	A25
6017 J30	85	130	22			49,50	43,00	4600	0,900	A01
6017 N	85	130	22			49,50	43,00	4700	0,879	A61
6017 NR	85	130	22			49,50	43,00	4700	0,910	A62
6017 NRJ30	85	130	22			49,50	43,00	4700	0,910	A62
6017 Z	85	130	22			49,50	43,00	4700	0,900	A20
6017 ZZ	85	130	22			49,50	43,00	4600	0,900	A21
<i>6017 ZZJ20</i>	85	130	22			49,50	43,00	4600	0,900	A21
6017 ZZJ30	85	130	22			49,50	43,00	4600	0,900	A21
6017 ZZJ30D43	85	130	22			49,50	43,00	4600	0,900	A21
6018	90	140	24			58,00	49,50	4300	1,175	A01
6018 EE	90	140	24			58,00	49,50	2800	1,175	A25
6018 EEJ30	90	140	24			58,00	49,50	2800	1,175	A25
6018 J20	90	140	24			58,00	49,50	4300	1,175	A01
6018 J30	90	140	24			58,00	49,50	4300	1,175	A01
6018 NR	90	140	24			58,00	49,50	4300	1,194	A62
6018 NREE	90	140	24			58,00	49,50	2800	1,175	A39
6018 ZZ	90	140	24			58,00	49,50	4300	1,175	A21
6018 ZZJ30	90	140	24			58,00	49,50	4300	1,175	A21
6019	95	145	24			60,00	54,00	4000	1,220	A01
6019 EE	95	145	24			60,00	54,00	2700	1,220	A25
6019 EEJ30	95	145	24			60,00	54,00	2700	1,220	A25
6019 J30	95	145	24			60,00	54,00	4000	1,220	A01
6019 ZZ	95	145	24			60,00	54,00	4000	1,220	A21
6019 ZZJ30	95	145	24			60,00	54,00	4000	1,220	A21
6020	100	150	24			60,00	54,00	4000	1,260	A01
6020 E	100	150	24			60,00	54,00	2700	1,270	A20
6020 EE	100	150	24			60,00	54,00	2600	1,260	A25
6020 EEJ30	100	150	24			60,00	54,00	2600	1,260	A25
6020 EEJ30D43	100	150	24			60,00	54,00	2600	1,260	A25
6020 J30	100	150	24			60,00	54,00	4000	1,260	A01
6020 J40	100	150	24			60,00	54,00	4000	1,267	A01
6020 NR	100	150	24			60,00	54,00	4000	1,260	A62
6020 ZZ	100	150	24			60,00	54,00	4000	1,260	A21
6020 ZZJ30	100	150	24			60,00	54,00	4000	1,260	A21
6020 ZZJ30D43	100	150	24			60,00	54,00	4000	1,260	A21
6021	105	160	26			72,00	66,00	3700	1,590	A01
6021 EE	105	160	26			72,00	66,00	2400	1,590	A25
6021 EEJ30	105	160	26			72,00	66,00	2400	1,590	A25
6021 J30	105	160	26			72,00	66,00	3700	1,590	A01
6022	110	170	28			82,00	73,00	3600	1,957	A01
6022 EE	110	170	28			82,00	73,00	2300	1,490	A25
6022 EEJ30	110	170	28			82,00	73,00	2300	1,490	A25
6022 J30	110	170	28			82,00	73,00	3500	1,490	A01
6024	120	180	28			85,00	79,00	3300	2,090	A01
6024 E	120	180	28			85,00	79,00	2200	2,140	A20
6024 EE	120	180	28			85,00	79,00	2200	2,140	A25
6024 EEJ30	120	180	28			85,00	79,00	2200	2,140	A25
6024 J30	120	180	28			85,00	79,00	3300	2,090	A01
6024 J50	120	180	28			85,00	79,00	3300	2,090	A01
6024 NR	120	180	28			85,00	79,00	3300	2,100	A62
6024 NRJ30	120	180	28			85,00	79,00	3300	2,100	A62



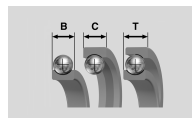
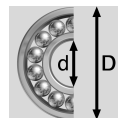
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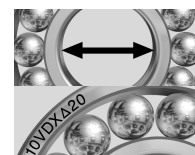
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6026	130	200	33			106,00	101,00	3000	3,270	A01
6026 J30	130	200	33			106,00	101,00	3000	3,300	A01
6028	140	210	33			109,00	107,00	2800	3,570	A01
6028 J30	140	210	33			109,00	107,00	2800	3,570	A01
6030	150	225	35			123,00	124,00	2600	4,380	A01
6030 J30	150	225	35			123,00	124,00	2600	4,380	A01
6032 MJ30	160	240	38			137,00	135,00	2500	6,120	A01
6034 M	170	260	42			168,00	172,00	2300	8,200	A01
6034 MJ30	170	260	42			168,00	172,00	2300	8,270	A01
6036 MJ30	180	280	46			188,00	196,00	2100	10,700	A01
6038 MJ30	190	290	46			195,00	213,00	2000	11,270	A01
6040 MJ30	200	310	51			214,00	238,00	1900	14,430	A01
6200	10	30	9			5,10	2,39	23000	0,033	A01
6200 E	10	30	9			6,10	2,75	15000	0,033	A20
6200 EE	10	30	9			5,10	2,39	15000	0,033	A25
6200 EEJ30	10	30	9			6,00	2,65	15000	0,033	A25
6200 FT150ZZ	10	30	9			6,00	2,65	24000	0,033	A21
6200 J30	10	30	9			6,00	2,65	23000	0,033	A01
6200 J40	10	30	9			6,00	2,65	23000	0,033	A01
6200 LT	10	30	9			6,00	2,65	16000	0,033	A25
6200 LTZZ	10	30	9			6,00	2,65	23000	0,030	A21
6200 NRZZ	10	30	9			6,00	2,65	23000	0,033	A36
6200 Z	10	30	9			6,00	2,65	23000	0,033	A20
6200 ZZ	10	30	9			5,10	2,39	23000	0,033	A21
6200 ZZJ30	10	30	9			6,00	2,65	23000	0,033	A21
10R 6201 UA	12	32	10			6,90	3,10	21000	0,035	A01
6201	12	32	10			6,80	3,05	21000	0,038	A01
6201 E	12	32	10			6,90	3,10	14000	0,035	A20
6201 EE	12	32	10			6,90	3,10	14000	0,037	A25
6201 EEJ30	12	32	10			6,90	3,10	14000	0,036	A25
6201 EEJ30D129	12	32	10			6,90	3,10	14000	0,037	A25
6201 F771A	12	32	10			6,90	3,10	14000	0,035	☎
6201 FT150	12	32	10			6,90	3,10	15000	0,037	A25
6201 FT150ZZ	12	32	10			6,90	3,10	22000	0,037	A21
6201 HT200ZZ	12	32	10			6,90	3,10	6800	0,035	A21
6201 HVZZ	12	32	10			6,90	3,10	31800	0,037	A21
6201 J30	12	32	10			6,80	3,05	21000	0,038	A01
6201 LT	12	32	10			6,90	3,10	15000	0,037	A25
6201 LTZZ	12	32	10			6,90	3,10	22000	0,037	A21
6201 NRZZ	12	32	10			6,90	3,10	21000	0,039	A36
6201 Z	12	32	10			6,80	3,05	21000	0,038	A20
6201 ZJ30	12	32	10			6,90	3,10	21000	0,035	A20
6201 ZZ	12	32	10			6,80	3,05	21000	0,038	A21
6201 ZZJ30	12	32	10			6,90	3,10	21000	0,037	A21
6202	15	35	11			7,70	3,75	19000	0,044	A01
6202 E	15	35	11			7,70	3,60	12000	0,045	A24
6202 EG15	15	35	11			7,70	3,60	12000	0,045	A24
6202 EE	15	35	11			7,70	3,60	12000	0,045	A25
6202 EEJ30	15	35	11			7,70	3,75	12000	0,046	A25
<i>6202 EEJ30D43</i>	15	35	11			7,70	3,75	12000	0,046	A25
6202 EEJ30D129	15	35	11			7,70	3,75	12000	0,045	A25
6202 EJ30	15	35	11			7,70	3,75	12000	0,045	A20
6202 F091	15	35	11			7,70	3,75	12000	0,047	A25
6202 F492A	15	35	11			7,70	3,75	12000	0,046	A24
6202 FT150	15	35	11			7,70	3,75	13000	0,046	A25
6202 FT150ZZ	15	35	11			7,70	3,75	19000	0,045	A21
6202 G15J30	15	35	11			7,70	3,75	19000	0,044	A01
6202 HT200ZZ	15	35	11			7,70	3,75	5900	0,044	A21



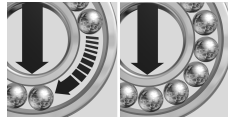
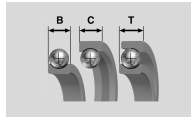
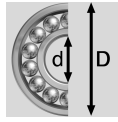
6202 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6202 HVZZ	15	35	11			7,70	3,75	28000	0,045	A21
6202 J30	15	35	11			7,70	3,75	19000	0,045	A01
6202 LT	15	35	11			7,70	3,75	13000	0,045	A25
6202 LTZZ	15	35	11			7,70	3,75	19000	0,046	A21
6202 NR	15	35	11			7,70	3,75	19000	0,045	A62
6202 NREE	15	35	11			7,70	3,75	12000	0,045	A39
6202 NRZZ	15	35	11			7,70	3,75	19000	0,047	A36
6202 Z	15	35	11			7,70	3,60	19000	0,045	A20
6202 ZJ30	15	35	11			7,70	3,75	19000	0,047	A20
6202 ZZ	15	35	11			7,70	3,60	19000	0,045	A21
6202 ZZG15J20	15	35	11			7,70	3,60	19000	0,045	A21
6202 ZZJ20	15	35	11			7,70	3,75	19000	0,045	A21
6202 ZZJ30	15	35	11			7,70	3,75	19000	0,045	A21
6203	17	40	12			9,60	4,80	16000	0,067	A01
6203 E	17	40	12			9,50	4,75	10000	0,066	A20
6203 EE	17	40	12			9,60	4,80	11000	0,067	A25
6203 EEJ30	17	40	12			9,50	4,75	10000	0,068	A25
6203 EEJ40	17	40	12			9,50	4,75	10000	0,060	A25
6203 EEJ30D129	17	40	12			9,50	4,75	11000	0,065	A25
6203 F477A	17	40	12			9,50	4,75	10000	0,068	A25
6203 FT150	17	40	12			9,50	4,75	11000	0,068	A25
6203 FT150ZZ	17	40	12			9,50	4,75	17000	0,065	A21
6203 G15J30	17	40	12			9,50	4,75	16000	0,065	A01
6203 HT200ZZ	17	40	12			9,50	4,75	5200	0,065	A21
6203 HVZZ	17	40	12			9,50	4,75	24500	0,065	A21
6203 J30	17	40	12			9,60	4,80	16000	0,067	A01
6203 J40	17	40	12			9,50	4,75	16000	0,065	A01
6203 LT	17	40	12			9,50	4,75	11000	0,065	A25
6203 LTZZ	17	40	12			9,50	4,75	17000	0,065	A21
6203 NR	17	40	12			9,50	4,75	16000	0,065	A62
6203 NREE	17	40	12			9,50	4,75	10000	0,069	A39
6203 NRZZ	17	40	12			9,50	4,75	16000	0,069	A36
6203 NZJ30	17	40	12			9,50	4,75	16000	0,069	A34
6203 Z	17	40	12			9,50	4,75	16000	0,065	A20
6203 ZJ30	17	40	12			9,60	4,80	16000	0,067	A20
6203 ZZ	17	40	12			9,50	4,75	16000	0,065	A21
6203 ZZG15J30	17	40	12			9,60	4,80	16000	0,067	A21
6203 ZZJ30	17	40	12			9,60	4,80	16000	0,067	A21
6203 ZZJ40	17	40	12			9,50	4,75	16000	0,068	A21
X 6204 F755X32	20	47	14			12,80	6,60		0,117	☎
6204	20	47	14			12,80	6,60	14000	0,107	A01
6204 AG15J30	20	47	14			15,60	7,60	14000	0,100	A01
6204 E	20	47	14			12,80	6,60	9300	0,107	A20
6204 EE	20	47	14			12,80	6,70	9000	0,108	A25
6204 EE3D43	20	47	14			12,80	6,60	9300	0,103	A25
6204 EEJ30	20	47	14			12,80	6,60	9300	0,100	A25
6204 F339A	20	47	14			12,80	6,60	9300	0,107	☎
6204 F600	20	47	14			0,01	0,00	50	0,104	A01
6204 F604	20	47	14			0,01	0,00	50	0,104	A21
6204 F605	20	47	14			0,01	0,00	50	0,104	A01
6204 F606	20	47	14			0,01	0,00	50	0,104	A01
6204 F700	20	47	14			12,80	6,60	23000	0,104	A34
6204 FT150	20	47	14			12,80	6,60	9900	0,107	A25
6204 FT150ZZ	20	47	14			12,80	6,60	14000	0,107	A21
6204 G15J40	20	47	14			12,80	6,60	14000	0,107	A01
6204 HT200	20	47	14			12,80	6,60	4400	0,107	A25
6204 HT200ZZ	20	47	14			12,80	6,60	4400	0,107	A21
6204 HVZZ	20	47	14			12,80	6,60	20800	0,107	A21
6204 J30	20	47	14			12,80	6,60	14000	0,107	A01
6204 LT	20	47	14			12,80	6,60	9300	0,107	A25
6204 LTZZ	20	47	14			12,80	6,60	14000	0,107	A21
6204 NR	20	47	14			12,80	6,60	14000	0,103	A62
6204 N	20	47	14			12,80	6,60	14000	0,103	A61
6204 NREE	20	47	14			12,80	6,60	9500	0,107	A39

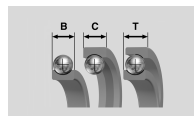
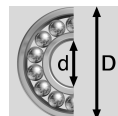


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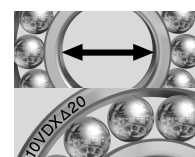


	d	D	B	C	T	C	Co	tr/mn	kg		
						x1000 Newtons					
6204 NRZZ	20	47	14			12,80	6,60	14000	0,107	A36	
6204 Z	20	47	14			12,80	6,60	14000	0,107	A20	
6204 ZJ30	20	47	14			12,80	6,60	14000	0,107	A20	
6204 ZZ	20	47	14			12,80	6,70	13000	0,108	A21	
6204 ZZJ30	20	47	14			12,80	6,60	14000	0,107	A21	
6204 ZZJ40	20	47	14			12,80	6,60	14000	0,107	A21	
<i>X 6205 F755X32</i>	25	52	15			14,00	7,90		0,138		
6205	25	52	15			14,00	7,90	12000	0,128	A01	
6205 E	25	52	15			14,00	7,90	8100	0,127	A20	
6205 EE	25	52	15			14,00	7,90	8100	0,127	A25	
6205 EE3D43	25	52	15			14,00	7,90	8100	0,128	A25	
6205 EEG15J40	25	52	15			14,00	7,90	8100	0,127	A25	
6205 EEJ30	25	52	15			14,00	7,90	8100	0,127	A25	
6205 EEJ30D43	25	52	15			14,00	7,90	8100	0,128	A25	
6205 EJ30	25	52	15			14,00	7,90	8100	0,120	A20	
6205 F600	25	52	15			0,01	0,00	50	0,126	A01	
6205 F601	25	52	15			0,01	0,00	50	0,126	A20	
6205 F604	25	52	15			0,01	0,00	50	0,134	A21	
6205 F605	25	52	15			0,01	0,00	50	0,126	A01	
6205 F700	25	52	15			14,00	7,90	20000	0,135	A34	
6205 FT150	25	52	15			14,00	7,90	8500	0,128	A25	
6205 FT150ZZ	25	52	15			14,00	7,90	12000	0,128	A21	
6205 G15J30	25	52	15			14,00	7,90	12000	0,128	A01	
6205 G15J40	25	52	15			14,00	7,90	12000	0,128	A01	
6205 HT200	25	52	15			14,00	7,90	3800	0,128	A25	
6205 HT200ZZ	25	52	15			14,00	7,90	3800	0,128	A21	
6205 HVZZ	25	52	15			14,00	7,90	18100	0,128	A21	
6205 J30	25	52	15			14,00	7,90	12000	0,130	A01	
6205 KEE	25	52	15			14,00	7,90	8100	0,124	A42	
6205 KEEJ30	25	52	15			14,00	7,90	8100	0,124	A42	
6205 LT	25	52	15			14,00	7,90	8200	0,128	A25	
6205 LTZZ	25	52	15			14,00	7,90	12000	0,128	A21	
6205 N	25	52	15			14,00	7,90	12000	0,126	A61	
6205 NEE	25	52	15			14,00	7,90	8300	0,124	A38	
6205 NR	25	52	15			14,00	7,90	12000	0,130	A62	
6205 NREE	25	52	15			14,00	7,90	8100	0,130	A39	
6205 NRJ30	25	52	15			14,00	7,90	12000	0,130	A62	
6205 NRZ	25	52	15			14,00	7,90	12000	0,124	A20	
6205 NRZZ	25	52	15			14,00	7,90	12000	0,124	A36	
6205 Z	25	52	15			14,00	7,90	12000	0,130	A20	
6205 ZJ30	25	52	15			14,00	7,90	12000	0,128	A20	
6205 ZZ	25	52	15			14,00	7,90	12000	0,128	A21	
6205 ZZJ30	25	52	15			14,00	7,90	12000	0,128	A21	
6205 ZZJ30D43	25	52	15			14,00	7,90	12000	0,128	A21	
6205 ZZJ40	25	52	15			14,00	7,90	12000	0,130	A21	
10N 6206 F111B	30	62	16			19,50	11,30	7000	0,191	A26	
<i>X 6206 F755X32</i>	30	62	16			19,50	11,30		0,209		
<i>X 6206 F754X32</i>	30	62	16			19,50	11,30		0,209		
6206	30	62	16			19,50	11,30	10000	0,199	A01	
6206 E	30	62	16			19,50	11,30	6800	0,198	A20	
6206 EE	30	62	16			19,50	11,30	6800	0,199	A25	
6206 EE3D43	30	62	16			19,50	11,30	6800	0,199	A25	
6206 EEJ30	30	62	16			19,50	11,30	6800	0,198	A25	
6206 EEJ30D43	30	62	16			19,50	11,30	6800	0,199	A25	
6206 EEJ40	30	62	16			19,50	11,30	6800	0,199	A25	
6206 EJ30	30	62	16			19,50	11,30	6900	0,199	A20	
6206 EJ40	30	62	16			19,50	11,30	6800	0,199	A20	
6206 F294B	30	62	16			19,50	11,30	7000	0,194	A24	
6206 F320C	30	62	16			19,50	11,30	7000	0,200		
6206 F355	30	62	16			19,50	11,30	6800	0,199		
6206 F600	30	62	16			0,01	0,00	50	0,194	A01	
6206 F604	30	62	16			0,01	0,00	50	0,200	A21	
6206 F605	30	62	16			0,01	0,00	50	0,194	A01	
6206 F700	30	62	16			19,50	11,30	16000	0,200	A34	

6206 →



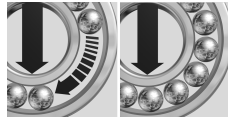
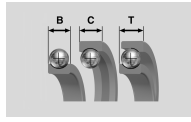
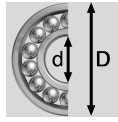
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6206 FT150	30	62	16			19,50	11,30	7200	0,199	A25
6206 FT150ZZ	30	62	16			19,50	11,30	10000	0,199	A21
6206 G15J40	30	62	16			19,50	11,30	10000	0,199	A01
6206 HT200	30	62	16			19,50	11,30	3200	0,199	A25
6206 HT200ZZ	30	62	16			19,50	11,30	3200	0,199	A21
6206 HVZZ	30	62	16			19,50	11,30	15200	0,199	A21
6206 J30	30	62	16			19,50	11,30	10000	0,199	A01
6206 J40	30	62	16			19,50	11,30	10000	0,199	A01
6206 KEE	30	62	16			19,50	11,30	6800	0,199	A42
6206 KEEJ30	30	62	16			19,50	11,30	6800	0,199	A42
6206 KZZ	30	62	16			19,50	11,30	10000	0,199	A44
6206 KZZJ30	30	62	16			19,50	11,30	10000	0,199	A44
6206 LT	30	62	16			19,50	11,30	7000	0,199	A25
6206 LTZZ	30	62	16			19,50	11,30	10000	0,199	A21
6206 N	30	62	16			19,50	11,30	10000	0,199	A61
6206 NEE	30	62	16			19,50	11,30	6800	0,199	A38
6206 NEEJ30	30	62	16			19,50	11,30	6800	0,199	A38
6206 NR	30	62	16			19,50	11,30	10000	0,199	A62
6206 NREE	30	62	16			19,50	11,30	6800	0,199	A39
6206 NRZ	30	62	16			19,50	11,30	10000	0,199	A20
6206 NRZZ	30	62	16			19,50	11,30	10000	0,199	A36
6206 Z	30	62	16			19,50	11,30	10000	0,199	A20
6206 ZJ30	30	62	16			19,50	11,30	10000	0,198	A20
6206 ZZ	30	62	16			19,50	11,30	10000	0,199	A21
<i>6206 ZZJ20</i>	30	62	16			19,50	11,30	10000	0,199	A21
6206 ZZJ30	30	62	16			19,50	11,30	10000	0,199	A21
6206 ZZJ30D43	30	62	16			19,50	11,30	10000	0,199	A21
10N 6207 F075E	35	72	17			25,50	15,30	6000	0,280	
6207	35	72	17			25,50	15,30	8900	0,285	A01
6207 E	35	72	17			25,50	15,30	5900	0,285	A20
6207 EJ40	35	72	17			25,50	15,30	5900	0,285	A20
6207 E22GY4	35	72	21			25,50	15,30	6000	0,306	
6207 EE	35	72	17			25,50	15,30	5800	0,287	A25
6207 EEJ30	35	72	17			25,50	15,30	5800	0,287	A25
6207 EEJ30D43	35	72	17			25,50	15,30	5900	0,285	A25
6207 EEJ40	35	72	17			25,50	15,30	5900	0,285	A25
6207 EJ30	35	72	17			25,50	15,30	5900	0,285	A20
6207 F600	35	72	17			0,01	0,00	50	0,270	A01
6207 F603	35	72	17			0,01	0,00	50	0,270	A01
6207 F604	35	72	17			0,01	0,00	50	0,287	A21
6207 F605	35	72	17			0,01	0,00	50	0,270	A01
6207 F700	35	72	17			25,50	15,30	14000	0,286	A34
6207 FT150	35	72	17			25,50	15,30	6200	0,285	A25
6207 FT150ZZ	35	72	17			25,50	15,30	9300	0,285	A21
6207 HT200	35	72	17			25,50	15,30	2800	0,280	A25
6207 HT200ZZ	35	72	17			25,50	15,30	2800	0,280	A21
6207 HVZZ	35	72	17			25,50	15,30	13000	0,285	A21
6207 J30	35	72	17			25,50	15,30	8900	0,285	A01
6207 J40	35	72	17			25,50	15,30	8900	0,285	A21
6207 N	35	72	17			25,50	15,30	8700	0,285	A61
6207 NEE	35	72	17			25,50	15,30	5900	0,285	A38
6207 NR	35	72	17			25,50	15,30	8900	0,285	A62
6207 NREE	35	72	17			25,50	15,30	5900	0,285	A39
6207 NREEJ30	35	72	17			25,50	15,30	6000	0,280	A39
6207 NRZ	35	72	17			25,50	15,30	8900	0,285	A20
6207 NRZZ	35	72	17			25,50	15,30	8900	0,285	A36
6207 Z	35	72	17			25,50	15,30	8900	0,285	A20
6207 ZJ30	35	72	17			25,50	15,30	8900	0,285	A20
6207 ZJ40	35	72	17			25,50	15,30	8900	0,285	A20
6207 ZZ	35	72	17			25,50	15,30	8900	0,285	A21
6207 ZZJ30	35	72	17			25,50	15,30	8700	0,287	A21
6207 ZZJ30D43	35	72	17			25,50	15,30	8900	0,285	A21
6207 ZZJ40	35	72	17			25,50	15,30	8900	0,285	A21



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.



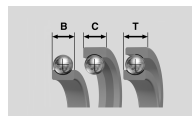
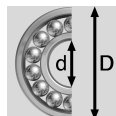
6208 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6208	40	80	18			29,00	17,90	7800	0,364	A01
6208 E	40	80	18			29,00	17,90	5300	0,373	A20
6208 EJ40	40	80	18			29,00	17,90	5300	0,373	A20
6208 EE	40	80	18			29,00	17,90	5300	0,373	A25
6208 EEJ30	40	80	18			29,00	17,90	5300	0,373	A25
6208 EEJ30D43	40	80	18			29,00	17,90	5300	0,373	A25
6208 EEJ40	40	80	18			29,00	17,90	5300	0,373	A25
6208 EJ30	40	80	18			29,00	17,90	5300	0,373	A20
6208 F355	40	80	18			29,00	17,90	5300	0,373	☰
6208 F600	40	80	18			0,01	0,00	50	0,352	A01
6208 F604	40	80	18			0,01	0,00	50	0,373	A21
6208 F605	40	80	18			0,01	0,00	50	0,352	A01
6208 F700	40	80	18			29,00	17,90	12000	0,370	A34
6208 F710	40	80	36						0,748	☰
6208 FT150	40	80	18			29,00	17,90	5500	0,373	A25
6208 FT150ZZ	40	80	18			29,00	17,90	8300	0,364	A21
6208 HT200	40	80	18			29,00	17,90	2500	0,370	A25
6208 HT200ZZ	40	80	18			29,00	17,90	2500	0,370	A21
6208 HVZZ	40	80	18			29,00	17,90	11600	0,364	A21
6208 J30	40	80	18			29,00	17,90	7800	0,365	A01
6208 J40	40	80	18			29,00	17,90	7800	0,365	A01
6208 KEE	40	80	18			29,00	17,90	5200	0,373	A42
6208 KEEJ30	40	80	18			29,00	17,90	5200	0,373	A42
6208 N	40	80	18			29,00	17,90	7800	0,373	A61
6208 NR	40	80	18			29,00	17,90	7800	0,373	A62
6208 NREE	40	80	18			29,00	17,90	5200	0,373	A39
6208 NRJ30	40	80	18			29,00	17,90	7800	0,373	A62
6208 NRZ	40	80	18			29,00	17,90	7800	0,373	A20
6208 NRZZ	40	80	18			29,00	17,90	7800	0,373	A36
6208 Z	40	80	18			29,00	17,90	7800	0,373	A20
6208 ZJ30	40	80	18			29,00	17,90	7800	0,373	A20
6208 ZJ40	40	80	18			29,00	17,90	7800	0,373	A20
6208 ZZ	40	80	18			29,00	17,90	7800	0,373	A21
6208 ZZJ30	40	80	18			29,00	17,90	7800	0,373	A21
6208 ZZJ30D43	40	80	18			29,00	17,90	7800	0,373	A21
6208 ZZJ40	40	80	18			29,00	17,90	7800	0,373	A21
6209	45	85	19			32,50	20,50	7300	0,404	A01
6209 E	45	85	19			32,50	20,50	4900	0,404	A20
6209 EE	45	85	19			32,50	20,50	4900	0,404	A25
6209 EE3D43	45	85	19			32,50	20,50	4900	0,414	A25
6209 EEJ30	45	85	19			32,50	20,50	4900	0,404	A25
6209 EEJ40	45	85	19			32,50	20,50	4900	0,404	A25
6209 EJ30	45	85	19			32,50	20,50	4900	0,404	A20
6209 F600	45	85	19			0,01	0,00	50	0,393	A01
6209 F604	45	85	19			0,01	0,00	50	0,412	A21
6209 F605	45	85	19			0,01	0,00	50	0,393	A01
6209 F702	45	85	19			32,50	20,50	7400	0,396	☰
6209 FT150	45	85	19			32,50	20,50	5100	0,404	A25
6209 FT150ZZ	45	85	19			32,50	20,50	7600	0,415	A21
6209 HT200	45	85	19			32,50	20,50	2300	0,404	A25
6209 HT200ZZ	45	85	19			32,50	20,50	2300	0,404	A21
6209 HVZZ	45	85	19			32,50	20,50	10700	0,410	A21
6209 J30	45	85	19			32,50	20,50	7300	0,404	A01
6209 J40	45	85	19			32,50	20,50	7400	0,396	A01
6209 K	45	85	19			32,50	20,50	7300	0,404	A40
6209 KEE	45	85	19			32,50	20,50	4900	0,050	A25
6209 N	45	85	19			32,50	20,50	7300	0,404	A61
6209 NJ30	45	85	19			32,50	20,50	7300	0,404	A61
6209 NR	45	85	19			32,50	20,50	7400	0,400	A62
6209 NREE	45	85	19			32,50	20,50	4900	0,400	A39
6209 NREEJ30	45	85	19			32,50	20,50	4900	0,400	A39
6209 NRZ	45	85	19			32,50	20,50	7300	0,412	A20
6209 NRZZ	45	85	19			32,50	20,50	7400	0,420	A36
6209 Z	45	85	19			32,50	20,50	7300	0,404	A20
6209 ZJ30	45	85	19			32,50	20,50	7300	0,404	A20



6209 →



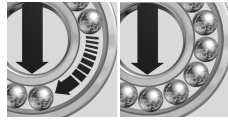
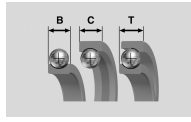
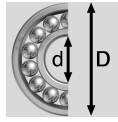
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6209 ZZ	45	85	19			32,50	20,50	7300	0,404	A21
6209 ZZJ30	45	85	19			32,50	20,50	7300	0,404	A21
ENS 6210 S02	50	90	40			35,00	23,20	6900	0,920	☎
6210	50	90	20			35,00	23,20	6700	0,462	A01
6210 AG15J30	50	90	20			40,50	25,50		0,450	A01
6210 E	50	90	20			35,00	23,20	4500	0,453	A20
6210 EE	50	90	20			35,00	23,20	4400	0,462	A25
6210 EEJ30	50	90	20			35,00	23,20	4500	0,453	A25
6210 EJ30	50	90	20			35,00	23,20	4400	0,462	A20
6210 F600	50	90	20			0,01	0,00	50	0,441	A01
6210 F604	50	90	20			0,01	0,00	50	0,466	A21
6210 F605	50	90	20			0,01	0,00	50	0,441	A01
6210 FT150	50	90	20			35,00	23,20	4500	0,453	A25
6210 FT150ZZ	50	90	20			35,00	23,20	7100	0,465	A21
6210 HT200	50	90	20			35,00	23,20	2100	0,465	A25
6210 HT200ZZ	50	90	20			35,00	23,20	2000	0,465	A21
6210 HVZZ	50	90	20			35,00	23,20	10000	0,465	A21
<i>6210 J20</i>	50	90	20			35,00	23,20	6800	0,453	A01
6210 J30	50	90	20			35,00	23,20	6800	0,453	A01
6210 J40	50	90	20			35,00	23,20	6800	0,453	A01
6210 N	50	90	20			35,00	23,20	6900	0,439	A61
6210 NR	50	90	20			35,00	23,20	6900	0,463	A62
6210 NREE	50	90	20			35,00	23,20	4500	0,453	A25
6210 NRJ30	50	90	20			35,00	23,20	6900	0,463	A62
6210 NRZ	50	90	20			35,00	23,20	6800	0,453	A20
6210 NRZZ	50	90	20			35,00	23,20	6800	0,453	A21
6210 S01	50	90	20			35,00	23,20	6900	0,460	☎
6210 Z	50	90	20			35,00	23,20	6800	0,453	A20
6210 ZJ30	50	90	20			35,00	23,20	6800	0,453	A20
6210 ZZ	50	90	20			35,00	23,20	6800	0,453	A21
6210 ZZJ30	50	90	20			35,00	23,20	6800	0,453	A21
6211	55	100	21			43,50	29,00	6100	0,603	A01
6211 E	55	100	21			43,50	29,00	4100	0,604	A20
6211 EE	55	100	21			43,50	29,00	4000	0,602	A25
6211 EEJ30	55	100	21			43,50	29,00	4000	0,602	A25
6211 F600	55	100	21			0,01	0,00	50	0,583	A01
6211 F604	55	100	21			0,01	0,00	50	0,612	A21
6211 F605	55	100	21			0,01	0,00	50	0,583	A01
6211 J30	55	100	21			43,50	29,00	6100	0,603	A01
6211 J40	55	100	21			43,50	29,00	6100	0,604	A01
6211 K	55	100	21			43,50	29,00	6100	0,604	A40
6211 KEEJ30	55	100	21			43,50	29,00	4100	0,604	A25
6211 K J40	55	100	21			43,50	29,00	6100	0,604	A40
<i>6211 N</i>	55	100	21			43,50	29,00	6200	0,598	A61
6211 NR	55	100	21			43,50	29,00	6200	0,607	A62
6211 NRJ40	55	100	21			43,50	29,00	6200	0,607	A62
6211 NRZ	55	100	21			43,50	29,00	6100	0,604	A20
6211 NRZZ	55	100	21			43,50	29,00	6200	0,607	A36
6211 Z	55	100	21			43,50	29,00	6100	0,604	A20
6211 ZJ30	55	100	21			43,50	29,00	6200	0,606	A20
6211 ZZ	55	100	21			43,50	29,00	6000	0,602	A21
6211 ZZJ30	55	100	21			43,50	29,00	6100	0,603	A21
6212	60	110	22			52,00	36,00	5500	0,785	A01
6212 E	60	110	22			52,00	36,00	3600	0,785	A20
6212 EE	60	110	22			52,00	36,00	3600	0,785	A25
6212 EEJ30	60	110	22			52,00	36,00	3600	0,785	A25
6212 EJ30	60	110	22			52,00	36,00	3600	0,785	A20
6212 F600	60	110	22			0,01	0,00	50	0,731	A01
6212 F605	60	110	22			0,01	0,00	50	0,731	A01
6212 J30	60	110	22			52,00	36,00	5500	0,785	A01
6212 J40	60	110	22			52,00	36,00	5500	0,785	A01
6212 N	60	110	22			52,00	36,00	5600	0,763	A61
6212 NJ30	60	110	22			52,00	36,00	5600	0,763	A61



(ES) Referencias en itálica: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in corsivo: consegna fino ad esaurimento delle scorte.
 (BR) Referências em itálico: entrega até se esgotarem os estoques.



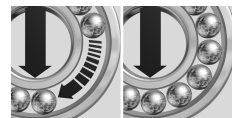
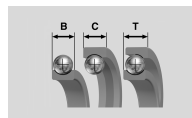
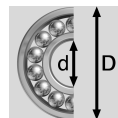
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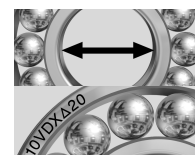
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6212 NR	60	110	22			52,00	36,00	5500	0,785	A62
6212 NRZ	60	110	22			52,00	36,00	5500	0,785	A20
6212 Z	60	110	22			52,00	36,00	5600	0,790	A20
6212 ZJ30	60	110	22			52,00	36,00	5500	0,785	A20
6212 ZZ	60	110	22			52,00	36,00	5500	0,785	A21
6212 ZZJ30	60	110	22			52,00	36,00	5500	0,785	A21
6213	65	120	23			57,00	40,00	5100	0,991	A01
6213 E	65	120	23			57,00	40,00	3500	0,986	A20
6213 EE	65	120	23			57,00	40,00	3400	0,991	A25
6213 EEJ30	65	120	23			57,00	40,00	3400	0,991	A25
6213 F600	65	120	23			0,01	0,00	50	0,944	A01
6213 F604	65	120	23			0,01	0,00	50	0,980	A21
6213 F605	65	120	23			0,01	0,00	50	0,944	A01
6213 FT150	65	120	23			57,00	40,00	3600	1,003	A25
6213 J20	65	120	23			57,00	40,00	5100	0,991	A01
6213 J30	65	120	23			57,00	40,00	5100	0,991	A01
6213 N	65	120	23			57,00	40,00	5100	0,990	A61
6213 NJ30	65	120	23			57,00	40,00	5100	0,990	A61
6213 NR	65	120	23			57,00	40,00	5100	0,990	A62
6213 NRJ30	65	120	23			57,00	40,00	5100	0,990	A62
6213 Z	65	120	23			57,00	40,00	5100	0,991	A20
6213 ZZ	65	120	23			57,00	40,00	5100	0,991	A21
6213 ZZJ30	65	120	23			57,00	40,00	5100	0,991	A21
6214	70	125	24			62,00	44,00	4900	1,055	A01
6214 E	70	125	24			62,00	44,00	3200	1,055	A20
6214 EE	70	125	24			62,00	44,00	3200	1,055	A25
6214 EEJ30	70	125	24			62,00	44,00	3200	1,055	A25
6214 F600	70	125	24			0,01	0,00	50	1,028	A01
6214 F605	70	125	24			0,01	0,00	50	1,028	A01
6214 J20	70	125	24			62,00	44,00	4900	1,055	A01
6214 J30	70	125	24			62,00	44,00	4900	1,055	A01
<i>6214 Z</i>	70	125	24			62,00	44,00	4900	1,055	A20
6214 ZZ	70	125	24			62,00	44,00	4900	1,055	A21
6214 ZZJ30	70	125	24			62,00	44,00	4900	1,055	A21
6215	75	130	25			67,00	48,00	4600	1,190	A01
6215 EE	75	130	25			67,00	48,00	3100	1,190	A25
6215 EEJ30	75	130	25			67,00	48,00	3100	1,190	A25
6215 J30	75	130	25			67,00	48,00	4600	1,190	A01
6215 ZZ	75	130	25			67,00	48,00	4600	1,190	A21
6215 ZZJ30	75	130	25			67,00	48,00	4600	1,190	A21
6216	80	140	26			73,00	53,00	4300	1,420	A01
6216 EE	80	140	26			73,00	53,00	2900	1,420	A25
6216 EEJ30	80	140	26			73,00	53,00	2900	1,420	A25
6216 J30	80	140	26			73,00	53,00	4300	1,420	A01
6216 ZZ	80	140	26			73,00	53,00	4300	1,420	A21
6216 ZZJ30	80	140	26			73,00	53,00	4300	1,420	A21
6217	85	150	28			84,00	62,00	4000	1,820	A01
6217 EE	85	150	28			84,00	62,00	2700	1,850	A25
6217 EEJ30	85	150	28			84,00	62,00	2700	1,850	A25
<i>6217 F600</i>	85	150	28			0,01	0,00	50	1,774	A01
<i>6217 J20</i>	85	150	28			83,00	64,00	4100	1,770	A01
6217 J30	85	150	28			84,00	62,00	4000	1,820	A01
6217 N	85	150	28			83,00	64,00	4100	1,776	A61
6217 ZZ	85	150	28			84,00	62,00	4000	1,840	A21
6217 ZZJ30	85	150	28			84,00	62,00	4000	1,840	A21
6218	90	160	30			96,00	71,00	3800	2,180	A01
6218 EE	90	160	30			96,00	71,00	2500	2,250	A25
6218 EEJ30	90	160	30			96,00	71,00	2500	2,250	A25
6218 J30	90	160	30			96,00	71,00	3800	2,250	A01
6218 ZZ	90	160	30			96,00	71,00	3800	2,250	A21



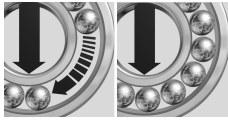
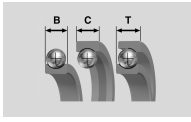
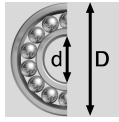
6218 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6218 ZZJ30	90	160	30			96,00	71,00	3800	2,250	A21
6219	95	170	32			109,00	82,00	3600	2,800	A01
6219 EE	95	170	32			109,00	82,00	2400	2,800	A25
6219 EEJ30	95	170	32			109,00	82,00	2400	2,800	A25
6219 J30	95	170	32			109,00	82,00	3600	2,800	A01
6219 J40	95	170	32			109,00	82,00	3600	2,570	A01
6219 Z	95	170	32			109,00	82,00	3500	2,780	A20
6219 ZZ	95	170	32			109,00	82,00	3600	2,670	A21
6219 ZZJ30	95	170	32			109,00	82,00	3600	2,794	A21
6220	100	180	34			122,00	93,00	3400	3,129	A01
6220 EE	100	180	34			122,00	93,00	2300	3,120	A25
6220 EEJ30	100	180	34			122,00	93,00	2200	3,170	A25
6220 F600	100	180	34			0,01	0,00	50	3,127	A01
6220 J30	100	180	34			122,00	93,00	3400	3,129	A01
6220 ZZ	100	180	34			122,00	93,00	3400	3,187	A21
6220 ZZJ30	100	180	34			122,00	93,00	3400	3,187	A21
6221	105	190	36			133,00	104,00	3200	3,860	A01
6221 J30	105	190	36			133,00	104,00	3200	3,860	A01
6222	110	200	38			144,00	117,00	3100	3,860	A01
6222 J30	110	200	38			144,00	117,00	3100	4,570	A01
6224	120	215	40			145,00	123,00	2800	5,600	A01
6224 J30	120	215	40			145,00	123,00	2800	5,600	A01
6226	130	230	40			167,00	146,00	2600	6,220	A01
6226 J30	130	230	40			167,00	146,00	2600	6,220	A01
6228	140	250	42			177,00	165,00	2400	7,470	A01
6230	150	270	45			176,00	168,00	2200	10,300	A01
6232 M	160	290	48			199,00	203,00	2100	14,300	A01
6232 MJ30	160	290	48			199,00	203,00	2100	14,684	A01
6234 MJ30	170	310	52			212,00	224,00	2000	17,700	A01
6236 MJ30	180	320	52			226,00	244,00	1900	18,300	A01
6238 MJ30	190	340	55			255,00	280,00	1800	22,200	A01
6240 MJ30	200	360	58			270,00	310,00	1700	26,500	A01
6300	10	35	11			7,60	3,45	19000	0,055	A01
6300 EE	10	35	11			7,60	3,45	13000	0,055	A25
6300 EEJ30	10	35	11			8,10	3,45	13000	0,053	A25
6300 FT150ZZ	10	35	11			8,10	3,45	22000	0,053	A21
6300 J30	10	35	11			8,10	3,45	20000	0,053	A01
6300 ZZ	10	35	11			7,60	3,45	19000	0,055	A21
6300 ZZJ30	10	35	11			8,10	3,45	20000	0,053	A21
6301	12	37	12			9,70	4,20	18000	0,060	A01
6301 EE	12	37	12			9,70	4,20	12000	0,060	A25
6301 EEJ30	12	37	12			9,70	4,20	12000	0,062	A25
6301 FT150ZZ	12	37	12			9,70	4,20	20000	0,060	A21
6301 J30	12	37	12			9,70	4,20	18000	0,060	A01
6301 Z	12	37	12			9,70	4,20	18000	0,062	A20
6301 ZZ	12	37	12			9,70	4,20	18000	0,062	A21
6301 ZZJ30	12	37	12			9,70	4,20	18000	0,062	A21
6301 ZZJ30D43	12	37	12			9,70	4,20	18000	0,062	A21
6302	15	42	13			11,30	5,40	16000	0,083	A01
6302 E	15	42	13			11,30	5,40	11000	0,085	A20
6302 EE	15	42	13			11,30	5,40	11000	0,083	A25
6302 EEJ30	15	42	13			11,30	5,40	11000	0,083	A25
6302 EEJ30D43	15	42	13			11,30	5,40	11000	0,083	A25

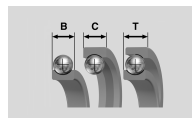
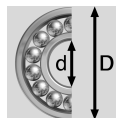


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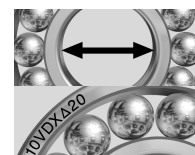


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6302 F086	15	42	13			11,30	5,40	11000	0,083	A24
6302 FT150ZZ	15	42	13			11,30	5,40	17000	0,083	A21
6302 J30	15	42	13			11,40	5,40	15000	0,083	A01
6302 Z	15	42	13			11,30	5,40	16000	0,083	A20
6302 ZZ	15	42	13			11,30	5,40	16000	0,083	A21
6302 ZZJ30	15	42	13			11,30	5,40	16000	0,083	A21
11R 6303	17	47	14			13,50	6,60	14000	0,115	A01
6303	17	47	14			13,60	6,60	14000	0,113	A01
6303 EE	17	47	14			13,60	6,60	9300	0,113	A25
6303 EEJ30	17	47	14			13,60	6,60	9300	0,113	A25
6303 EJ30	17	47	14			13,60	6,60	9300	0,113	A20
6303 FT150	17	47	14			13,60	6,60	10000	0,113	A25
6303 FT150ZZ	17	47	14			13,60	6,60	14000	0,111	A21
6303 G15J30	17	47	14			13,60	6,60	14000	0,110	A01
6303 J30	17	47	14			13,60	6,60	14000	0,113	A01
6303 Z	17	47	14			13,60	6,60	14000	0,113	A20
6303 ZZ	17	47	14			13,60	6,60	14000	0,113	A21
6303 ZZJ30	17	47	14			13,60	6,60	14000	0,113	A21
6304	20	52	15			15,90	7,90	12000	0,140	A01
6304 E	20	52	15			15,90	7,90	8600	0,147	A20
6304 EE	20	52	15			15,90	7,90	8600	0,140	A25
6304 EEJ30	20	52	15			15,90	7,90	8600	0,147	A25
<i>6304 EEJ30D43</i>	20	52	15			15,90	7,90	8600	0,141	A25
6304 EJ30	20	52	15			15,90	7,90	8600	0,147	A20
6304 F502A	20	52	15			15,90	7,90	8600	0,141	A25
6304 FT150	20	52	15			15,90	7,90	9200	0,147	A25
6304 FT150ZZ	20	52	15			15,90	7,90	13000	0,147	A21
6304 G15J30	20	52	15			15,90	7,90	12000	0,138	A01
6304 HT200	20	52	15			15,90	7,90	4100	0,147	A25
6304 HT200ZZ	20	52	15			15,90	7,90	4100	0,147	A21
6304 J30	20	52	15			15,90	7,90	12000	0,145	A01
6304 LTZZ	20	52	15			15,90	7,90	12000	0,135	A21
6304 NEE	20	52	15			15,90	7,90	8600	0,147	A38
6304 NEEJ30	20	52	15			15,90	7,90	8600	0,141	A38
6304 NR	20	52	15			15,90	7,90	12000	0,145	A62
6304 NREE	20	52	15			15,90	7,90	8600	0,147	A39
6304 NRZ	20	52	15			15,90	7,90	12000	0,145	A20
6304 Z	20	52	15			15,90	7,90	12000	0,147	A20
6304 ZZ	20	52	15			15,90	7,90	12000	0,140	A21
6304 ZZJ30	20	52	15			15,90	7,90	12000	0,147	A21
<i>6304 ZZJ30D43</i>	20	52	15			15,90	7,90	12000	0,141	A21
10X 6305 F339B	17	62	17			23,60	12,10	7100	0,225	A25
6305	25	62	17			23,60	12,10	10000	0,225	A01
6305 AG15J30	25	62	17			26,50	13,50	11000	0,220	A01
6305 E	25	62	17			23,60	12,10	7100	0,225	A20
6305 EE	25	62	17			23,60	12,10	7100	0,225	A25
6305 EEJ30	25	62	17			23,60	12,10	7100	0,225	A25
<i>6305 EEJ30D43</i>	25	62	17			23,60	12,10	7100	0,225	A25
6305 EEJ40	25	62	17			23,60	12,10	7100	0,225	A25
6305 F600	25	62	17			0,01	0,00	50	0,235	A01
6305 F605	25	62	17			0,01	0,00	50	0,235	A01
6305 FT150	25	62	17			23,60	12,10	7600	0,225	A25
6305 FT150ZZ	25	62	17			23,60	12,10	11000	0,225	A21
6305 HT200	25	62	17			23,60	12,10	3400	0,225	A25
6305 HT200ZZ	25	62	17			23,60	12,10	3400	0,225	A21
6305 J30	25	62	17			23,60	12,10	10000	0,225	A01
6305 J40	25	62	17			23,60	12,10	10000	0,225	A01
6305 N	25	62	17			23,60	12,10	10000	0,225	A61
6305 NR	25	62	17			23,60	12,10	10000	0,225	A62
6305 NREE	25	62	17			23,60	12,10	7100	0,225	A39
6305 NRJ30	25	62	17			23,60	12,10	10000	0,225	A62
6305 NRZ	25	62	17			23,60	12,10	10000	0,225	A20
6305 NRZZ	25	62	17			23,60	12,10	10000	0,225	A36

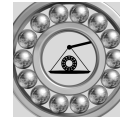
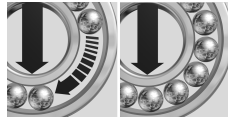
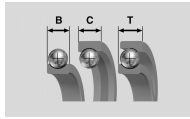
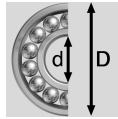
6305 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6305 Z	25	62	17			23,60	12,10	10000	0,225	A20
6305 ZZ	25	62	17			23,60	12,10	10000	0,225	A21
6305 ZZJ30	25	62	17			23,60	12,10	10000	0,225	A21
6305 ZZJ30D43	25	62	17			23,60	12,10	10000	0,225	A21
6306	30	72	19			28,00	15,80	8900	0,346	A01
6306 E	30	72	19			28,00	15,80	5800	0,346	A20
6306 EE	30	72	19			28,00	15,80	5800	0,346	A25
6306 EE3D43	30	72	19			28,00	15,80	5800	0,346	A25
6306 EEJ30	30	72	19			28,00	15,80	5900	0,346	A25
6306 EEJ30D43	30	72	19			28,00	15,80	5800	0,346	A25
6306 EEJ40	30	72	19			28,00	15,80	5800	0,346	A25
6306 EG15	30	72	19			28,00	15,80	5800	0,346	A20
6306 EJ40	30	72	19			28,00	15,80	5800	0,346	A20
6306 F600	30	72	19			0,01	0,00	50	0,347	A01
6306 F605	30	72	19			0,01	0,00	50	0,347	A01
6306 FT150	30	72	19			28,00	15,80	6400	0,346	A25
6306 FT150ZZ	30	72	19			28,00	15,80	9600	0,346	A21
6306 HT200	30	72	19			28,00	15,80	2900	0,346	A25
6306 HT200ZZ	30	72	19			28,00	15,80	2900	0,346	A21
6306 J30	30	72	19			28,00	15,80	8900	0,346	A01
6306 J40	30	72	19			28,00	15,80	8900	0,346	A01
6306 N	30	72	19			28,00	15,80	8900	0,346	A61
6306 NR	30	72	19			28,00	15,80	8900	0,346	A62
6306 NREE	30	72	19			28,00	15,80	5800	0,346	A39
6306 NREEJ30	30	72	19			28,00	15,80	5800	0,346	A39
6306 NRJ30	30	72	19			28,00	15,80	8900	0,346	A62
6306 NRZ	30	72	19			28,00	15,80	8900	0,346	A20
6306 NRZZ	30	72	19			28,00	15,80	8900	0,346	A36
6306 Z	30	72	19			28,00	15,80	8900	0,346	A20
6306 ZJ30	30	72	19			28,00	15,80	8800	0,346	A20
6306 ZZ	30	72	19			28,00	15,80	8900	0,346	A21
6306 ZZJ30	30	72	19			28,00	15,80	8900	0,346	A21
6306 ZZJ30D43	30	72	19			28,00	15,80	8900	0,346	A21
6307	35	80	21			33,50	19,20	7800	0,454	A01
6307 ANRG15	35	80	21			39,50	21,50	8100	0,427	A62
6307 E	35	80	21			33,50	19,20	5200	0,454	A20
6307 EE	35	80	21			33,50	19,20	5200	0,454	A25
6307 EEJ30	35	80	21			33,50	19,20	5300	0,446	A25
6307 EEJ30D43	35	80	21			33,50	19,20	5300	0,446	A25
6307 EEJ40	35	80	21			33,50	19,20	5300	0,446	A25
6307 EJ40	35	80	21			33,50	19,10	5400	0,462	A20
6307 EY	35	80	21			33,50	19,10	5400	0,448	A20
6307 F699	35	80	21			33,50	19,20	5300	0,446	
6307 FT150	35	80	21			33,50	19,20	5700	0,446	A25
6307 FT150ZZ	35	80	21			33,50	19,20	8600	0,446	A21
6307 HT200	35	80	21			33,50	19,10	5300	0,445	A25
6307 HT200ZZ	35	80	21			33,50	19,10	2600	0,470	A21
6307 J30	35	80	21			33,50	19,20	7800	0,454	A01
6307 J40	35	80	21			33,50	19,20	8000	0,446	A01
6307 N	35	80	21			33,50	19,20	8000	0,446	A61
6307 NJ30	35	80	21			33,50	19,20	8000	0,456	A61
6307 NR	35	80	21			33,50	19,20	8000	0,446	A62
6307 NREE	35	80	21			33,50	19,20	5300	0,446	A39
6307 NRJ30	35	80	21			33,50	19,20	5300	0,446	A62
6307 NRZ	35	80	21			33,50	19,20	8000	0,446	A20
6307 NRZZ	35	80	21			33,50	19,20	8000	0,446	A36
6307 Z	35	80	21			33,50	19,20	8000	0,446	A20
6307 ZJ30	35	80	21			33,50	19,20	8000	0,446	A20
6307 ZJ40	35	80	21			33,50	19,20	8000	0,446	A20
6307 ZZ	35	80	21			33,50	19,20	7800	0,454	A21
6307 ZZJ30	35	80	21			33,50	19,20	8000	0,446	A21
6307 ZZJ30D43	35	80	21			33,50	19,20	8000	0,446	A21
6307 ZZJ40	35	80	21			33,50	19,20	8000	0,446	A21



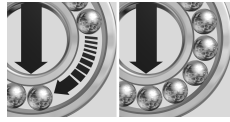
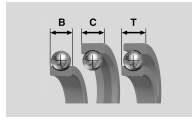
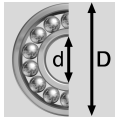
6308 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6308	40	90	23			40,50	23,90	7000	0,612	A01
6308 E	40	90	23			40,50	23,90	4700	0,612	A20
6308 EE	40	90	23			40,50	23,90	4700	0,612	A25
6308 EE3D43	40	90	23			40,50	23,90	4800	0,612	A25
6308 EEJ30	40	90	23			40,50	23,90	4700	0,612	A25
6308 EEJ30D43	40	90	23			40,50	23,90	4700	0,612	A25
6308 EEJ40	40	90	23			40,50	23,90	4700	0,612	A25
6308 EJ30	40	90	23			40,50	23,90	4700	0,612	A20
6308 EJ40	40	90	23			40,50	23,90	4700	0,612	A20
6308 F700	40	90	23			40,50	23,90	7800	0,644	A34
6308 FT150	40	90	23			40,50	23,90	5100	0,612	A25
6308 FT150ZZ	40	90	23			40,50	23,90	7600	0,612	A21
6308 G15J30	40	90	23			40,50	23,90	7000	0,612	A01
6308 HT200	40	90	23			40,50	23,90	2300	0,640	A25
6308 HT200ZZ	40	90	23			40,50	23,90	2300	0,612	A21
6308 J30	40	90	23			40,50	23,90	7000	0,612	A01
6308 J40	40	90	23			40,50	23,90	7000	0,612	A01
6308 N	40	90	23			40,50	23,90	7200	0,625	A61
6308 NJ30	40	90	23			40,50	23,90	7200	0,625	A61
6308 NR	40	90	23			40,50	23,90	7000	0,612	A62
6308 NREE	40	90	23			40,50	23,90	4700	0,612	A39
6308 NREEJ30	40	90	23			40,50	23,90	4700	0,612	A39
6308 NRJ30	40	90	23			40,50	23,90	7000	0,612	A62
6308 NRZ	40	90	23			40,50	23,90	7000	0,612	A20
6308 NRZZ	40	90	23			40,50	23,90	7100	0,612	A36
6308 Z	40	90	23			40,50	23,90	7000	0,612	A20
6308 ZJ30	40	90	23			40,50	23,90	7000	0,612	A20
6308 ZJ40	40	90	23			40,50	23,90	7000	0,612	A20
6308 ZZ	40	90	23			40,50	23,90	7000	0,612	A21
6308 ZZJ30	40	90	23			40,50	23,90	7000	0,612	A21
6308 ZZJ30D43	40	90	23			40,50	23,90	7000	0,612	A21
6308 ZZJ40	40	90	23			40,50	23,90	7000	0,612	A21
10T 6309 J30	45	100 / 108	25			53,00	31,50	6400	0,864	A64
6309	45	100	25			53,00	31,50	6200	0,837	A01
6309 E	45	100	25			53,00	31,50	4300	0,839	A20
6309 EE	45	100	25			53,00	31,50	4200	0,825	A25
6309 EEJ30	45	100	25			53,00	31,50	4200	0,825	A25
6309 EJ30	45	100	25			53,00	31,50	4300	0,839	A20
6309 F600	45	100	25			0,01	0,00	50	0,831	A01
6309 F603	45	100	25			0,01	0,00	50	0,831	A01
6309 F605	45	100	25			0,01	0,00	50	0,831	A01
6309 FT150	45	100	25			53,00	31,50	4500	0,851	A25
6309 FT150ZZ	45	100	25			53,00	31,50	6800	0,850	A21
6309 HT200	45	100	25			53,00	31,50	2000	0,850	A25
6309 HT200ZZ	45	100	25			53,00	31,50	2000	0,850	A21
6309 J30	45	100	25			53,00	31,50	6200	0,837	A01
6309 J40	45	100	25			53,00	31,50	6400	0,825	A01
6309 KEE	45	100	25			53,00	31,50	4300	0,840	A42
6309 N	45	100	25			53,00	31,50	6400	0,825	A61
6309 NJ30	45	100	25			53,00	31,50	6400	0,833	A61
6309 NR	45	100	25			53,00	31,50	6400	0,825	A62
6309 NREBD1	45	100	25			53,00	31,50	4300	0,868	
6309 NREE	45	100	25			53,00	31,50	4300	0,870	A39
6309 NREEJ30	45	100	25			53,00	31,50	4200	0,825	A39
6309 NRJ30	45	100	25			53,00	31,50	6400	0,852	A62
6309 NRZ	45	100	25			53,00	31,50	6400	0,825	A20
6309 NRZZ	45	100	25			53,00	31,50	6400	0,825	A36
6309 Z	45	100	25			53,00	31,50	6400	0,825	A20
6309 ZJ30	45	100	25			53,00	31,50	6400	0,825	A20
6309 ZZ	45	100	25			53,00	31,50	6200	0,837	A21
6309 ZZJ30	45	100	25			53,00	31,50	6200	0,837	A21
6310	50	110	27			62,00	38,00	5700	1,083	A01
6310 E	50	110	27			62,00	38,00	3700	1,070	A20
6310 EE	50	110	27			62,00	38,00	3700	1,070	A25



6310 →

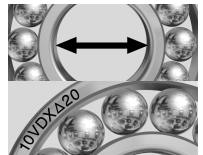


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6310 EEJ30	50	110	27			62,00	38,00	3700	1,070	A25
6310 EEJ40	50	110	27			62,00	38,00	3900	1,100	A25
6310 FT150	50	110	27			62,00	38,00	4100	1,110	A25
6310 FT150ZZ	50	110	27			62,00	38,00	6000	1,070	A21
6310 HT200	50	110	27			62,00	38,00	2100	1,110	A25
6310 HT200ZZ	50	110	27			62,00	38,00	2100	1,110	A21
6310 J30	50	110	27			62,00	38,00	5600	1,070	A01
6310 J40	50	110	27			62,00	38,00	5800	1,066	A01
6310 N	50	110	27			62,00	38,00	5800	1,070	A61
6310 NEEJ30	50	110	27			62,00	38,00	3900	1,080	A38
6310 NR	50	110	27			62,00	38,00	5600	1,070	A62
6310 NREE	50	110	27			62,00	38,00	3700	1,070	A39
6310 NREEJ30	50	110	27			62,00	38,00	3700	1,070	A39
6310 NRJ30	50	110	27			62,00	38,00	5600	1,070	A62
6310 NRZ	50	110	27			62,00	38,00	5800	1,070	A20
6310 NRZZ	50	110	27			62,00	38,00	5800	1,070	A36
6310 Z	50	110	27			62,00	38,00	5600	1,070	A20
6310 ZJ30	50	110	27			62,00	38,00	5800	1,070	A20
6310 ZZ	50	110	27			62,00	38,00	5700	1,083	A21
6310 ZZJ30	50	110	27			62,00	38,00	5600	1,070	A21

6311	55	120	29			71,00	44,50	5300	1,347	A01
6311 E	55	120	29			71,00	44,50	3500	1,347	A24
6311 EE	55	120	29			71,00	44,50	3500	1,380	A25
6311 EEJ30	55	120	29			71,00	44,50	3500	1,380	A25
6311 F600	55	120	29			0,01	0,00	50	1,352	A01
6311 F605	55	120	29			0,01	0,00	50	1,352	A01
6311 J30	55	120	29			71,00	44,50	5300	1,347	A01
6311 J40	55	120	29			71,00	44,50	5300	1,347	A01
6311 N	55	120	29			71,00	44,50	5200	1,347	A61
6311 NJ30	55	120	29			71,00	44,50	5300	1,347	A61
6311 NR	55	120	29			71,00	44,50	5300	1,347	A62
6311 NRJ30	55	120	29			71,00	44,50	5300	1,347	A62
6311 NRJ40	55	120	29			71,00	44,50	5300	1,347	A62
6311 Z	55	120	29			71,00	44,50	5300	1,380	A20
6311 ZZ	55	120	29			71,00	44,50	5300	1,380	A21
6311 ZZJ30	55	120	29			71,00	44,50	5300	1,380	A21

6312	60	130	31			82,00	52,00	4800	1,680	A01
6312 EE	60	130	31			82,00	52,00	3200	1,720	A25
6312 EEJ30	60	130	31			82,00	52,00	3200	1,709	A25
6312 EEJ30D43	60	130	31			82,00	52,00	3200	1,680	A25
6312 J30	60	130	31			82,00	52,00	4800	1,720	A01
6312 J40	60	130	31			82,00	52,00	4800	1,720	A01
6312 NJ30	60	130	31			82,00	52,00	4800	1,685	A61
6312 Z	60	130	31			82,00	52,00	4800	1,709	A20
6312 ZZ	60	130	31			82,00	52,00	4800	1,709	A21
6312 ZZJ30	60	130	31			82,00	52,00	4800	1,715	A21
6312 ZZJ30D43	60	130	31			82,00	52,00	4800	1,700	A21

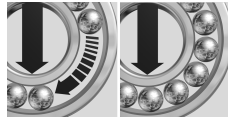
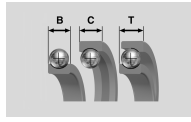
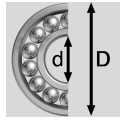
6313	65	140	33			93,00	60,00	4500	2,077	A01
6313 EE	65	140	33			93,00	60,00	3000	2,077	A25
6313 EEJ30	65	140	33			93,00	60,00	3000	2,077	A25
6313 EEJ30D43	65	140	33			93,00	60,00	3000	2,116	A25
6313 J30	65	140	33			93,00	60,00	4500	2,110	A01
6313 J40	65	140	33			93,00	60,00	4500	2,110	A01
6313 NJ30	65	140	33			93,00	60,00	4500	2,060	A61
6313 NR	65	140	33			93,00	60,00	4500	2,077	A62
6313 NRJ30	65	140	33			93,00	60,00	4500	2,080	A62
6313 Z	65	140	33			93,00	60,00	4500	2,050	A20
6313 ZJ30	65	140	33			93,00	60,00	4500	2,050	A20
6313 ZZ	65	140	33			93,00	60,00	4500	2,080	A21
6313 ZZJ30	65	140	33			93,00	60,00	4500	2,080	A21
6313 ZZJ30D43	65	140	33			93,00	60,00	4500	2,080	A21
6313 ZZJ40	65	140	33			93,00	60,00	4500	2,110	A21



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.

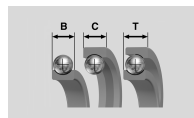
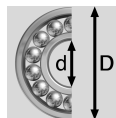


6314 →

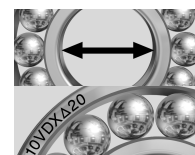


	d	D	B	C	T	C	Co	tr/mn	kg			
						x1000 Newtons						
6314	70	150	35			104,00	68,00	4200	2,580	A01		
6314 EE	70	150	35			104,00	68,00	2800	2,580	A25		
6314 EEJ30	70	150	35			104,00	68,00	2800	2,580	A25		
6314 J30	70	150	35			104,00	68,00	4200	2,580	A01		
6314 Z	70	150	35			104,00	68,00	4200	2,580	A20		
6314 ZZ	70	150	35			104,00	68,00	4200	2,580	A21		
6314 ZZJ30	70	150	35			104,00	68,00	4200	2,580	A21		
6315	75	160	37			113,00	77,00	3900	3,031	A01		
6315 EE	75	160	37			113,00	77,00	2600	3,120	A25		
6315 EEJ30	75	160	37			113,00	77,00	2600	3,031	A25		
6315 J30	75	160	37			113,00	77,00	3900	3,031	A01		
6315 ZZ	75	160	37			113,00	77,00	3900	3,086	A21		
6315 ZZJ30	75	160	37			113,00	77,00	3900	3,086	A21		
6315 ZZJ30D43	75	160	37			113,00	77,00	3900	3,030	A21		
6316	80	170	39			123,00	86,00	3700	3,605	A01		
6316 EE	80	170	39			123,00	86,00	2400	3,700	A25		
6316 EEJ30	80	170	39			123,00	86,00	2400	3,605	A25		
6316 EEJ30D43	80	170	39			123,00	86,00	2400	3,605	A25		
6316 J30	80	170	39			123,00	86,00	3700	3,700	A01		
6316 J40	80	170	39			123,00	86,00	3700	3,605	A01		
6316 ZZ	80	170	39			123,00	86,00	3700	3,605	A21		
6316 ZZJ30	80	170	39			123,00	86,00	3700	3,670	A21		
6316 ZZJ30D43	80	170	39			123,00	86,00	3700	3,670	A21		
6317	85	180	41			133,00	97,00	3500	4,210	A01		
6317 EE	85	180	41			133,00	97,00	2300	4,210	A25		
6317 EEJ30	85	180	41			133,00	97,00	2300	4,320	A25		
6317 J30	85	180	41			133,00	97,00	3500	4,210	A01		
<i>6317 J40</i>	85	180	41			133,00	97,00	3500	4,210	A01		
6317 ZZ	85	180	41			133,00	97,00	3500	4,210	A21		
6317 ZZJ30	85	180	41			133,00	97,00	3500	4,210	A21		
6318	90	190	43			143,00	107,00	3300	5,020	A01		
6318 EE	90	190	43			143,00	107,00	2200	4,973	A25		
6318 EEJ30	90	190	43			143,00	107,00	2200	4,973	A25		
6318 J30	90	190	43			143,00	107,00	3300	5,020	A01		
6318 ZZ	90	190	43			143,00	107,00	3300	5,020	A21		
6318 ZZJ30	90	190	43			143,00	107,00	3300	4,973	A21		
6319	95	200	45			144,00	113,00	3100	6,140	A01		
6319 J30	95	200	45			144,00	113,00	3100	6,140	A01		
6319 ZZ	95	200	45			144,00	113,00	3100	6,140	A21		
6319 ZZJ30	95	200	45			144,00	113,00	3100	6,140	A21		
6320	100	215	47			164,00	135,00	2900	7,560	A01		
6320 J30	100	215	47			164,00	135,00	2900	7,560	A01		
6320 ZZ	100	215	47			164,00	135,00	2900	7,346	A21		
6320 ZZJ30	100	215	47			164,00	135,00	2900	7,560	A21		
6322	110	240	50			189,00	165,00	2600	10,300	A01		
6322 J30	110	240	50			189,00	165,00	2600	10,300	A01		
6324 M	120	260	55			212,00	190,00	2400	12,800	A01		
6324 MJ30	120	260	55			212,00	190,00	2400	12,800	A01		
6326 MJ30	130	280	58			229,00	214,00	2200	18,200	A01		
6328 MJ30	140	300	62			255,00	246,00	2100	22,100	A01		
6330 MJ30	150	320	65			280,00	290,00	1900	26,600	A01		
6332 MJ30	160	340	68			300,00	325,00	1800	31,500	A01		
6403	17	62	17			22,70	10,80	12000	0,272	A01		
6403 J30	17	62	17			22,70	10,80	12000	0,272	A01		

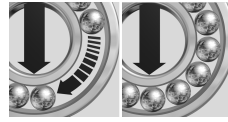
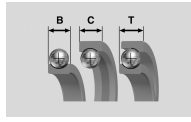
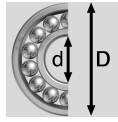
6404 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
6404	20	72	19			29,50	15,50	9600	0,408	A01
6404 J30	20	72	19			29,50	15,50	9600	0,408	A01
6405	25	80	21			36,00	19,30	8600	0,534	A01
6405 J30	25	80	21			36,00	19,30	8600	0,534	A01
6405 J40	25	80	21			36,00	19,30	8600	0,534	A01
6406	30	90	23			43,50	23,80	7600	0,734	A01
6406 J30	30	90	23			43,50	23,80	7600	0,734	A01
6407	35	100	25			55,00	31,00	6800	0,962	A01
6407 J30	35	100	25			55,00	31,00	6800	0,962	A01
6408	40	110	27			63,00	36,50	6200	1,216	A01
6408 J30	40	110	27			63,00	36,50	6200	1,216	A01
6408 N	40	110	27			63,00	36,50	6200	1,214	A61
6409	45	120	29			77,00	45,00	5600	1,526	A01
6409 J30	45	120	29			77,00	45,00	5600	1,526	A01
6409 N	45	120	29			77,00	45,00	5600	1,566	A61
6409 NJ30	45	120	29			77,00	45,00	5600	1,566	A61
6409 NR	45	120	29			77,00	45,00	5600	1,566	A62
6410	50	130	31			87,00	52,00	5200	1,880	A01
6410 J30	50	130	31			87,00	52,00	5200	1,880	A01
6411	55	140	33			100,00	62,00	4800	2,302	A01
6411 J30	55	140	33			100,00	62,00	4800	2,302	A01
6411 N	55	140	33			100,00	62,00	4800	2,283	A61
6411 NJ30	55	140	33			100,00	62,00	4800	2,283	A61
6411 NR	55	140	33			100,00	62,00	4800	2,295	A62
6411 NRJ30	55	140	33			100,00	62,00	4800	2,295	A62
6412	60	150	35			104,00	68,00	4200	2,870	A01
6413	65	160	37			113,00	77,00	4100	3,420	A01
6414	70	180	42			143,00	103,00	3700	5,090	A01
6416 M	80	200	48			163,00	125,00	3300	8,070	A01
7202 BA	15	35	11			8,00	4,35	16000	0,045	D01
7203 B	17	40	12			9,90	5,50	14000	0,064	D01
7203 BGA	17	40	12			16,10	11,00	14000	0,065	D01
7204 BA	20	47	14			13,30	7,60	12000	0,107	D01
7204 BGA	20	47	14			21,60	15,30	11000	0,104	D01
7205	25	52	15			16,20	10,20	10000	0,134	D01
7205 BGA	25	52	15			15,80	9,40	10000	0,131	D01
7206	30	62	16			22,50	14,70	8700	0,207	D01
7206 BGA	30	62	16			20,50	13,50	8700	0,210	D01
7207	35	72	17			29,50	20,00	7500	0,292	D01
7207 BGA	35	72	17			27,00	18,40	7400	0,287	D01
7208 BA	40	80	18			32,00	23,00	6600	0,373	D01
7208 BGA	40	80	18			32,00	23,00	6600	0,373	D01
7208 BGM	40	80	18			32,00	23,00	6600	0,373	D01
7209 BA	45	85	19			36,00	26,50	6100	0,414	D01
7209 BGA	45	85	19			36,00	26,50	6100	0,414	D01
7209 BGM	45	85	19			34,50	24,40	6100	0,414	D01
7210	50	90	20			41,50	31,50	5700	0,479	D01
7210 BGA	50	90	20			37,50	28,50	5700	0,466	D01
7210 BGM	50	90	20			35,50	26,50	5700	0,466	D01

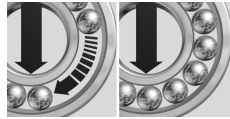
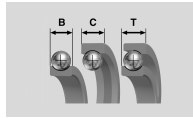
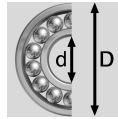


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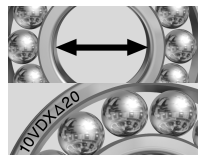


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
7211 BA	55	100	21			46,50	36,00	5100	0,633	D01
7211 BGA	55	100	21			46,50	36,00	5100	0,633	D01
7211 BGM	55	100	21			44,00	33,50	5100	0,633	D01
7212 BA	60	110	22			56,00	44,50	4700	0,798	D01
7212 BGA	60	110	22			56,00	44,50	4700	0,798	D01
7212 BGM	60	110	22			54,00	41,50	4700	0,798	D01
7213 BA	65	120	23			64,00	53,00	4300	1,030	D01
7213 BGA	65	120	23			64,00	53,00	4300	1,030	D01
7213 BGM	65	120	23			61,00	49,50	4300	1,100	D01
7213 BM	65	120	23			61,00	49,50	4300	1,092	D01
7214 BA	70	125	24			69,00	58,00	4100	1,140	D01
7214 BGA	70	125	24			69,00	58,00	4100	1,140	D01
7214 BGM	70	125	24			66,00	54,00	4100	1,185	D01
7215 BA	75	130	25			69,00	58,00	3900	1,190	D01
7215 BGA	75	130	25			69,00	58,00	3900	1,190	D01
7215 BGM	75	130	25			69,00	58,00	3900	1,291	D01
7216 BGM	80	140	26			80,00	69,00	3600	1,460	D01
7217 BGM	85	150	28			90,00	80,00	3400	1,920	D01
7218 BGM	90	160	30			107,00	94,00	3200	2,350	D01
7219 BGM	95	170	32			116,00	101,00	3000	2,780	D01
7220 BGM	100	180	34			130,00	114,00	2800	3,410	D01
7222 BGM	110	200	38			154,00	144,00	2500	4,720	D01
7224 BGM	120	215	40			161,00	165,00	2400	6,210	D01
7226 BGM	130	230	40			177,00	180,00	2200	6,920	D01
7228 BGM	140	250	42			197,00	212,00	2100	8,910	D01
7230 BGM	150	270	45			225,00	255,00	1900	11,600	D01
7232 BGM	160	290	48			238,00	280,00	1700	28,000	D01
7234 BGM	170	310	52			265,00	325,00	1600	35,000	D01
7304 A1	20	52	15			18,70	10,40	11000	0,146	D01
7304 B	20	52	15			17,30	9,70	11000	0,150	D01
7304 BGA	20	52	15			30,50	20,90	11000	0,143	D01
7305	25	62	17			26,50	15,80	9200	0,240	D01
7305 BGA	25	62	17			42,50	30,00	9100	0,223	D01
7306	30	72	19			34,00	21,60	7800	0,363	D01
7306 BGA	30	72	19			32,50	20,10	7800	0,349	D01
7307 BA	35	80	21			39,50	25,00	6900	0,457	D01
7307 BGA	35	80	21			39,50	25,00	6900	0,475	D01
7308 BA	40	90	23			49,50	32,50	6100	0,626	D01
7308 BGA	40	90	23			49,50	32,50	6100	0,626	D01
7308 BGM	40	90	23			46,50	29,50	6100	0,626	D01
7309 BA	45	100	25			69,00	47,00	5500	0,835	D01
7309 BGA	45	100	25			69,00	47,00	5500	0,835	D01
7309 BGM	45	100	25			56,00	36,00	5500	0,835	D01
7310 BA	50	110	27			69,00	47,00	5000	1,080	D01
7310 BGA	50	110	27			69,00	47,00	5000	1,080	D01
7310 BGM	50	110	27			69,00	47,00	5000	1,080	D01
7311 BA	55	120	29			79,00	56,00	4500	1,410	D01
7311 BGA	55	120	29			79,00	56,00	4500	1,410	D01
7311 BGM	55	120	29			79,00	56,00	4500	1,410	D01

7312 →



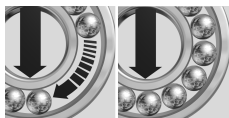
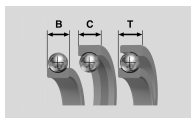
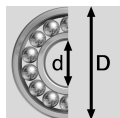
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
7312 BA	60	130	31			90,00	65,00	4200	1,810	D01
7312 BGA	60	130	31			90,00	65,00	4200	1,810	D01
7312 BGM	60	130	31			85,00	60,00	4200	1,810	D01
7313 BGM	65	140	33			102,00	75,00	3900	2,324	D01
7313 BGA	65	140	33			102,00	75,00	3900	2,160	D01
7314 BGM	70	150	35			114,00	86,00	3600	2,800	D01
7314 BGA	70	150	35			114,00	86,00	3600	2,650	D01
7315 BGM	75	160	37			128,00	100,00	3400	3,170	D01
7316 BGM	80	170	39			140,00	114,00	3200	4,280	D01
7317 BGM	85	180	41			151,00	127,00	3000	4,580	D01
7318 BGM	90	190	43			162,00	140,00	2800	5,320	D01
7319 BGM	95	200	45			172,00	154,00	2700	6,180	D01
7320 BGM	100	215	47			194,00	181,00	2500	7,650	D01
7321 BGM	105	225	49			241,00	230,00	2400	9,460	D01
7322 BGM	110	240	50			226,00	225,00	2200	10,400	D01
7324 BGM	120	260	55			250,00	260,00	2100	14,400	D01
7326 BGM	130	280	58			275,00	300,00	1900	17,500	D01
7328 BGM	140	300	62			300,00	340,00	1800	21,600	D01
7330 BGM	150	320	65			330,00	390,00	1700	26,000	D01
7332 BGM	160	340	68			360,00	450,00	1600	30,500	D01
7334 BGM	170	360	72			390,00	510,00	1500	34,342	D01
9812 RS01	30	80	21			60,00	59,00	3600	0,550	H15
FR 10038	32	72	21			54,00	50,00	8700	0,374	H15
EC 10059	22	47	20,75	11,5	20,75	27,00	30,00	7700	0,152	K01
FC 10075 S03	60	115	53,5	44	53,5	169,00	223,00	2600	2,161	L60
<i>Y51FC 10231 S02</i>	80	140 / 170	62	49,5	62	255,00	350,00	2000	3,982	L64
AB 10272 S02	55	91,5	30,4			28,50	21,30	4600	0,610	F25
AB 10337/3	35	72	17			25,50	15,30	6000	0,270	A26
<i>AB 10338</i>	60	115	22			52,00	36,00	5600	0,933	A62
AB 10366 A0	30	56,6	16,1			12,60	8,20	7800	0,139	F25
<i>Y51FC 10392 S01</i>	50	90 / 98	48	38,5	48	131,00	177,00	3100	1,139	L64
FB 10394 S08	40	80	30,2			61,00	52,00	5500	0,616	F01
<i>GR 10412</i>	95,8	140	26			143,00	176,00	4000	1,115	H14
RNU 10552 S01		72	19			70,00	74,00	4200	0,297	H13
AB 10598 S01	25	68	19			31,00	15,10	11000	0,290	A61
AB 10599 S04	22	57	16			20,70	10,40	12000	0,175	A61
EC 10699	110	180	41	30,16	41	270,00	430,00	1900	3,670	K01
AB 10761	38	72	17			29,00	17,30	9000	0,270	A61
N 10787	32	72	19			70,00	74,00	3700	0,370	H02
FC 10789	40	100/108	70	56					2,850	F25
GB 10790 S05	30	60,03	37			37,50	30,50	4800	0,425	F25
TGB 10790 P	30	117	61,7			37,50	30,50	4800	1,530	F25
GB 10800	40	80	38,2			58,00	49,50	3700	0,805	F30
GB 10827 S02	25	62	17	28	0	52,00	36,50	7400	0,350	F32
GB 10840 S02	35	68	37			44,50	35,50	4200	0,507	F25
<i>GB 10857 S02</i>	42	84,02	36			68,00	56,00	5200	0,785	F01
GB 10865 S01	24,5	62	27,4			45,00	32,00	7500	0,395	F64
NUP 10871 S09	55	140	33			162,00	166,00	1800	2,667	H10
GB 10884	34	64	37			37,00	31,50	4500	0,450	F30
GB 10890 S01	22,5	52,02	14	25	0	36,00	24,70	8800	0,203	F32
TGB 10894 S03	50	116	16	36,4	0	82,00	73,00	3100	1,252	F67
11204 G15	20	47	40	14		9,90	2,65	9400	0,180	G45



(ES) Referencias en itálica: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in corsivo: consegna fino ad esaurimento delle scorte.
 (BR) Referências em itálico: entrega até se esgotarem os estoques.

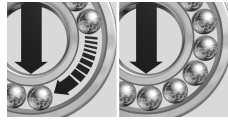
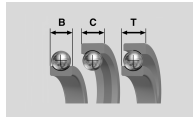
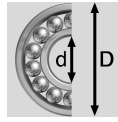


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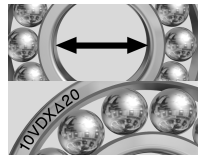


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
11205 G15	25	52	44	15		12,10	3,30	8100	0,220	G45
11206 G15	30	62	48	16		15,70	4,70	6900	0,350	G45
11207 G15	35	72	52	17		15,80	5,20	5900	0,540	G45
11208 G15	40	80	56	18		19,20	6,50	5200	0,720	G45
11209 G15	45	85	58	19		21,80	7,40	4800	0,770	G45
11210 G15	50	90	58	20		22,70	8,10	4500	0,850	G45
11211 G15	55	100	60	21		27,00	10,00	4000	1,130	G45
11212 G15	60	110	62	22		30,00	11,60	3600	1,500	G45
11305 G15	25	62	48	17		18,00	5,00	6700	0,410	G45
11306 G15	30	72	52	19		21,30	6,30	5700	0,610	G45
11308 G15	40	90	58	23		29,50	9,80	4400	1,080	G45
11309	45	100	60	25		38,00	12,90	4000	1,380	G45
11310	50	110	62	27		43,50	14,20	3600	1,720	G45
LM 11749/710	17,462	39,88	14,61	10,67	13,84	25,00	24,60	13000	0,086	K01
LM 11949/910	19,05	45,24	16,64	12,07	15,49	29,50	29,50	11900	0,125	K01
GB 12010	42	75	37			52,00	46,50	3800	0,580	F30
AB 12013	35	85	20			46,50	25,50	7900	0,455	A61
GB 12021	25	62	27,4			45,00	32,00	7500	0,383	F64
AB 12022	20	52 / 57	15			18,10	8,90	13000	0,140	A64
FC 12025 S09	25	52	37	37	37	62,00	79,00	5700	0,362	L25
EC 12028 S02	35	75 / 83	27	24	27	82,00	99,00	5100	0,638	K64
AB 12031	32	62	16			23,50	12,90	10000	0,163	A61
FC 12033 S01	35	65	35	35	35	71,00	101,00	4600	0,518	L28
RNU 12044 S01		51,05	17,5			37,50	43,00	11000	0,104	H13
EC 12050	25	62	24	20	25,25	62,00	65,00	6400	0,369	K01
EC 12073	20	47	14	12	15,25	28,50	28,00	8300	0,120	K01
<i>AB 12076</i>	40	90	25			40,50	23,90	4800	0,680	A24
AB 12077 S04	28	67	18			29,50	15,30	10000	0,268	A62
NJ 12078 S02	20	52	15			32,50	27,00	12000	0,148	H11
N 12099	42	80	18			70,00	73,00	3600	0,383	H15
N 12124	25	52	18			42,00	42,50	4900	0,170	H15
GB 12132 S02	34,976	68,02	37			46,00	38,00	4200	0,528	F31
GB 12136	35	66	37			43,00	36,50	4400	0,483	F31
FC 12142	30	72	52,2	41,5	52,2	114,00	162,00	4200	1,075	
FC 12142 S02	30	72	52	41,5	52	114,00	162,00	4200	1,075	L32
GB 12152 S01	28	67	18	28,2	0	54,00	40,00	6900	0,405	
EC 12162	35,6	66	17,9	14,4	17,9	41,00	55,00	5500	0,259	K01
AB 12179	28,5	62	16			23,50	12,90	10000	0,184	A01
FC 12180 S04	25	52	43	43	43	62,00	79,00	5700	0,426	L25
FC 12182	25	52	37	37	37	61,00	78,00	5700	0,383	L28
AB 12183	35	72	17			25,50	15,30	6000	0,286	A25
N 12190 S03	34,99	72	20,63			73,00	79,00	3900	0,385	
AB 12202	25	62,02	17,5			26,50	13,50	7000	0,221	A38
AB 12203 S04	28	75	19			36,00	19,40	5600	0,358	A37
NJ 12214	20	47	19			36,00	32,50	13000	0,142	H11
EC 12238	42	68	14	10,5	14	36,00	43,00	5100	0,166	K01
EC 12245 S04	35	84,99	18,25	17	18,25	58,00	62,00	5100	0,547	K61
EC 12250	21,5	47	16,5	13	16,5	35,50	39,00	7800	0,135	K01
GB 12269	42	82	37			50,00	45,00	3800	0,824	F30
FC 12271 S03	25	55	43	43	43	72,00	91,00	5500	0,496	L25
FC 12278	45	100/108	70	56					2,670	
AB 12296	55	97	30,5			28,50	21,30	4600	0,639	A82
GB 12306 S02	34,992	66	33			40,50	34,50	4400	0,435	F31
AB 12323 S03	25	62,02	17,5			26,60	13,50	7000	0,220	A38
GB 12337	28	70,5	28,2			57,00	45,50	6300	0,502	F64

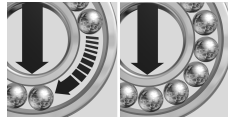
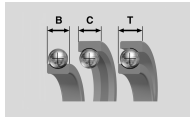
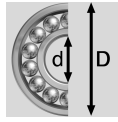
12383 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
AB 12383	23	50	14			15,90	7,90	13000	0,106	A01
AB 12386	50	89	19,5			21,80	16,60	7700	0,412	
AB 12390 S01	25	62	17			25,00	12,90	7500	0,219	
GB 12399 S01	39	75	37			43,50	39,50	3900	0,640	
AB 12405 S01	22	56	16			20,70	10,40	8000	0,173	A38
TGB 12415 S01	40	110	17	38		67,00	57,00	3600	1,006	F75
EC 12428	80	180	60	46	63,5	395,00	510,00	2000	7,356	K01
AB 12437	25	62	17,5			26,50	13,50	11000	0,230	A25
GB 12438 S01	35	65	35			38,00	33,50	4400	0,435	F31
<i>EC 12502</i>	38	68	19	14,5	19	53,00	65,00	5100	0,283	K01
NJ 12521	40	80	23			60,00	74,00	8300	0,582	
<i>EC 12530</i>	45	76 / 83	20	18,5	20	59,00	73,00	4600	0,370	K64
FC 12540 H100	28	73 / 81	48	34,25	48	121,00	137,00	4300	0,984	L64
EC 12586 H100	95	145	39	32,5	39	217,00	345,00	2300	2,220	
EC 12587 S02	25	52 / 59	18	14	18,25	41,50	49,00	7200	0,215	K64
EC 12589 S01	25	47	15	11,5	15	28,50	31,50	7700	0,105	K61
N 12649 S01	36	72	17			64,00	67,00	4500	0,325	H02
AB 12654	30	91 / 123	12						0,200	
AB 12668	35	101,02	30,14			33,50	19,10	5400	1,228	A77
<i>AB 12723 S01</i>	69	115	43,2			39,50	33,50	3500	0,945	A89
LM 12749/710	21,987	45,24	16,64	12,07	15,49	29,50	32,50	11000	0,116	K01
LM 12749/711	21,987	45,98	16,60	12,10	15,50	29,20	33,50	8500	0,120	K01
<i>GB 12776</i>	39	72	37			48,00	36,00	4000	0,533	
FC 12784 S03	25	52	37	37	37	62,00	79,00	5700	0,366	L29
GB 12807 S06	37	72,04	37			49,50	41,00	4000	0,600	F37
AB 12830	25	62	17			26,60	13,50	11000	0,209	A61
AB 12831	40	68	15			22,30	14,50	9300	0,175	A01
GB 12875	42	82	36			65,00	56,00	5300	0,776	F31
AB 12888 S05	25	62,02	17,5			26,50	13,50	6900	0,215	A38
<i>EC 12917</i>	40	80	18	16	19,75	60,00	63,00	4600	0,403	K01
AB 12929	45	85	19			32,50	20,50	7400	0,396	A01
AB 12947	65	110	20			36,00	28,50	3700	0,685	A42
GB 12955 S04	41,976	80,02	37			63,00	53,00	3500	0,693	F31
FC 12956 S03	25	52	37	37	37	62,00	79,00	5700	0,377	L29
16002	15	32	8			5,60	2,85	22000	0,026	A01
16003	17	35	8			6,00	3,25	20000	0,032	A01
16004	20	42	8			6,80	4,10	17000	0,050	A01
16004 J30	20	42	8			6,90	4,10	17000	0,050	A01
16005	25	47	8			10,10	5,90	14000	0,056	A01
16005 J30	25	47	8			10,10	5,90	15000	0,056	A01
16006	30	55	9			11,20	7,40	11000	0,082	A01
16006 J30	30	55	9			11,20	7,40	11000	0,087	A01
16007	35	62	9			12,10	8,80	10000	0,105	A01
16007 F204A	35	62	9			13,90	9,30	11000	0,150	A82
16007 J30	35	62	9			12,10	8,80	10000	0,105	A01
16008	40	68	9			13,20	10,30	9800	0,120	A01
16008 J30	40	68	9			13,20	10,30	9800	0,120	A01
16009	45	75	10			15,90	11,90	9600	0,167	A01
16009 J30	45	75	10			15,90	11,90	9600	0,167	A01
16010	50	80	10			16,10	13,10	8100	0,181	A01
16010 J30	50	80	10			16,10	13,10	8100	0,181	A01

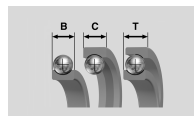
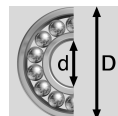


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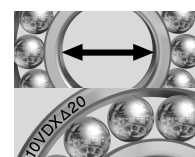


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
16011	55	90	11			19,40	16,30	7400	0,262	A01
16011 J30	55	90	11			19,40	16,20	7300	0,266	A01
16012	60	95	11			20,00	17,50	6800	0,283	A01
16012 J30	60	95	11			20,00	17,50	6800	0,283	A01
16013	65	100	11			21,70	18,90	6400	0,300	A01
16013 J30	65	100	11			21,70	18,90	6400	0,300	A01
16014	70	110	13			28,00	25,00	5800	0,438	A01
16014 J30	70	110	13			28,00	25,00	5800	0,438	A01
16015	75	115	13			28,50	27,00	5500	0,463	A01
16015 J30	75	115	13			28,50	27,00	5500	0,463	A01
16016	80	125	14			32,00	31,00	5100	0,609	A01
16016 J30	80	125	14			32,00	31,00	5100	0,609	A01
16017	85	130	14			34,00	33,50	4900	0,666	A01
16018	90	140	16			41,50	39,50	4600	0,866	A01
16018J30	90	140	16			41,50	39,50	4600	0,866	A01
16020	100	150	16			44,00	44,50	4200	0,929	A01
16020J30	100	150	16			44,00	44,50	4200	0,929	A01
16022	110	170	19			57,00	57,00	3700	1,490	A01
16024	120	180	19			61,00	64,00	3500	1,600	A01
16024 J30	120	180	19			61,00	64,00	3500	1,620	A01
16024 AG15	120	180	19						1,600	
16026	130	200	22			79,00	82,00	3200	2,420	A01
16026J30	130	200	22			79,00	82,00	3200	2,420	A01
16028	140	210	22			81,00	87,00	3000	2,530	A01
16032	160	240	25			102,00	113,00	2600	3,770	A01
16034	170	260	28			123,00	136,00	2400	5,130	A01
16036	180	280	31			131,00	146,00	2300	6,920	A01
16038	190	290	31			149,00	167,00	2200	7,090	A01
16040	200	310	34			175,00	202,00	2000	9,110	A01
20208 E	40	80	18			63,00	55,00	3600	0,440	M65
21305 V	25	62	17			48,50	37,50	6800	0,257	M01
21305 VC3	25	62	17			48,50	37,50	6800	0,257	M01
21305 VKC3	25	62	17			48,50	37,50	6800	0,254	M40
21306 V	30	72	19			63,00	50,00	5800	0,394	M01
21306 VC3	30	72	19			63,00	50,00	5800	0,394	M01
21306 VKC3	30	72	19			63,00	50,00	5800	0,384	M40
21307 V	35	80	21			79,00	66,00	5200	0,513	M01
21307 VC3	35	80	21			79,00	66,00	5200	0,513	M01
21307 VKC3	35	80	21			79,00	66,00	5200	0,505	M40
21308 V	40	90	23			96,00	84,00	4500	0,715	M01
21308 VC3	40	90	23			96,00	84,00	4500	0,715	M01
21308 VKC3	40	90	23			96,00	84,00	4500	0,705	M40
21309 V	45	100	25			119,00	106,00	4100	0,949	M01
21309 VC3	45	100	25			119,00	106,00	4100	0,949	M01
<i>21309 VK</i>	45	100	25			119,00	106,00	4100	0,935	M40
21309 VKC3	45	100	25			119,00	106,00	4100	0,935	M40

21310 →



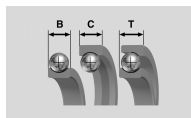
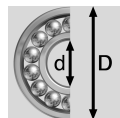
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
21310 V	50	110	27			137,00	128,00	3700	1,251	M01
21310 VC3	50	110	27			137,00	128,00	3700	1,251	M01
21310 VK	50	110	27			137,00	128,00	3700	1,226	M40
21310 VKC3	50	110	27			137,00	128,00	3700	1,226	M40
21311 V	55	120	29			167,00	158,00	3300	1,537	M01
21311 VC3	55	120	29			167,00	158,00	3300	1,537	M01
21311VK	55	120	29			167,00	158,00	3300	1,520	M40
21311 VKC3	55	120	29			167,00	158,00	3300	1,520	M40
21312 V	60	130	31			186,00	179,00	3100	1,986	M01
21312 VC3	60	130	31			186,00	179,00	3100	1,986	M01
21312 VKC3	60	130	31			186,00	179,00	3100	1,961	M40
21313 V	65	140	33			224,00	215,00	2900	2,410	M01
21313 VC3	65	140	33			224,00	215,00	2900	2,410	M01
<i>21313 VK</i>	65	140	33			224,00	215,00	2900	2,380	M40
21313 VKC3	65	140	33			224,00	215,00	2900	2,380	M40
21314 V	70	150	35			246,00	240,00	2700	2,990	M01
21314 VC3	70	150	35			246,00	240,00	2700	2,990	M01
21314 VKC3	70	150	35			246,00	240,00	2700	2,950	M40
21315 V	75	160	37			280,00	275,00	2500	3,590	M01
21315 VC3	75	160	37			280,00	275,00	2500	3,590	M01
21315 VK	75	160	37			280,00	275,00	2500	3,550	M40
21315 VKC3	75	160	37			280,00	275,00	2500	3,550	M40
21316 V	80	170	39			305,00	305,00	2400	4,260	M01
21316 VC3	80	170	39			305,00	305,00	2400	4,260	M01
21316 VKC3	80	170	39			305,00	305,00	2400	4,210	M40
21317 VM	85	180	41			355,00	365,00	2200	5,230	M01
21317 VMC3	85	180	41			355,00	365,00	2200	5,230	M01
21317 VMKC3	85	180	41			355,00	365,00	2200	5,160	M40
21318 VM	90	190	43			385,00	400,00	2100	6,110	M01
21318 VMC3	90	190	43			385,00	400,00	2100	6,110	M01
21318 VMKC3	90	190	43			385,00	400,00	2100	6,030	M40
• 22205 EAW33	25	52	18			54,40	46,10	8600	0,170	M60
• 22205 EAW33C2	25	52	18			54,40	46,10	8600	0,170	M60
• 22205 EAW33C3	25	52	18			54,40	46,10	8600	0,170	M60
• 22205 EAW33C4	25	52	18			54,40	46,10	8600	0,170	M60
• 22205 EAKW33	25	52	18			54,40	46,10	8600	0,160	M41
• 22205 EAKW33C3	25	52	18			54,40	46,10	8600	0,160	M41
• 22205 EG15W33	25	52	18			54,40	46,10	8600	0,160	M41
• 22205 EG15W33C3	25	52	18			54,40	46,10	8600	0,160	M41
• 22205 EG15W33C4	25	52	18			54,40	46,10	8600	0,160	M41
• 22205 EMW33	25	52	18			54,40	46,10	8600	0,160	M02
• 22205 EMW33C3	25	52	18			54,40	46,10	8600	0,160	M02
• 22205 EMKW33	25	52	18			54,40	46,10	8600	0,160	M03
• 22205 EMKW33C3	25	52	18			54,40	46,10	8600	0,160	M03
• 22206 EAW33	30	62	20			72,00	64,50	7200	0,272	M60
• 22206 EAW33C3	30	62	20			72,00	64,50	7200	0,272	M60
• 22206 EAW33C4	30	62	20			72,00	64,50	7200	0,272	M60
• 22206 EAKW33	30	62	20			72,00	64,50	7200	0,260	M41
• 22206 EAKW33C3	30	62	20			72,00	64,50	7200	0,260	M41
• 22206 EG15W33	30	62	20			72,00	64,50	7200	0,265	M60
• 22206 EG15KW33C3	30	62	20			72,00	64,50	7200	0,253	M41
• 22206 EMW33	30	62	20			68,40	60,20	7100	0,276	M02
• 22206 EMW33C3	30	62	20			68,40	60,20	7100	0,276	M02
• 22206 EMKW33	30	62	20			68,40	60,20	7100	0,269	M03
• 22206 EMKW33C3	30	62	20			68,40	60,20	7100	0,269	M03



(ES) Referencias en itálica: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in corsivo: consegna fino ad esaurimento delle scorte.
 (BR) Referências em itálico: entrega até se esgotarem os estoques.



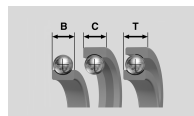
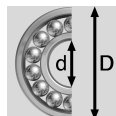
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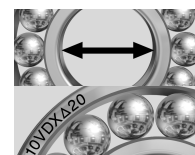
	d	D	B	C	T	C	Co	tr/mn	kg	
x1000 Newtons										
• 22207 EAW33	35	72	23			95,40	92,00	6100	0,440	M60
• 22207 EAW33C2	35	72	23			95,40	92,00	6100	0,440	M60
• 22207 EAW33C3	35	72	23			95,40	92,00	6100	0,440	M60
• 22207 EAW33C4	35	72	23			95,40	92,00	6100	0,440	M60
• 22207 EAKW33	35	72	23			95,40	92,00	6100	0,420	M41
• 22207 EAKW33C3	35	72	23			95,40	92,00	6100	0,420	M41
• 22207 EG15W33	35	72	23			95,40	92,00	6100	0,420	M60
• 22207 EG15W33C3	35	72	23			95,40	92,00	6100	0,420	M60
• 22207 EG15KW33C3	35	72	23			95,40	92,00	6100	0,400	M41
• 22207 EMW33	35	72	23			95,40	92,00	6100	0,440	M02
• 22207 EMW33C3	35	72	23			95,40	92,00	6100	0,440	M02
• 22207 EMKW33	35	72	23			95,40	92,00	6100	0,430	M03
• 22207 EMKW33C3	35	72	23			95,40	92,00	6100	0,430	M03
• 22208 EAW33	40	80	23			110,00	105,00	5500	0,515	M60
• 22208 EAW33C3	40	80	23			110,00	105,00	5500	0,515	M60
• 22208 EAW33C4	40	80	23			110,00	105,00	5500	0,515	M60
• 22208 EAKW33	40	80	23			110,00	105,00	5500	0,500	M41
• 22208 EAKW33C3	40	80	23			110,00	105,00	5500	0,500	M41
• 22208 EG15W33	40	80	23			110,00	105,00	5500	0,506	M60
• 22208 EG15W33C3	40	80	23			110,00	105,00	5500	0,506	M60
• 22208 EMC3	40	80	23			105,00	98,00	5500	0,530	M63
• 22208 EMW33	40	80	23			105,00	98,00	5500	0,500	M02
• 22208 EMW33C3	40	80	23			105,00	98,00	5500	0,500	M02
• 22208 EMKW33	40	80	23			105,00	98,00	5500	0,450	M03
• 22208 EMKW33C3	40	80	23			105,00	98,00	5500	0,450	M03
• 22209 EAW33	45	85	23			115,00	113,00	5100	0,565	M60
• 22209 EAW33C3	45	85	23			115,00	113,00	5100	0,565	M60
• 22209 EAW33C4	45	85	23			115,00	113,00	5100	0,565	M60
• 22209 EAKW33	45	85	23			115,00	113,00	5100	0,545	M41
• 22209 EAKW33C3	45	85	23			115,00	113,00	5100	0,545	M41
• 22209 EAKW33C4	45	85	23			115,00	113,00	5100	0,545	M41
• 22209 EG15W33	45	85	23			115,00	113,00	5100	0,545	M60
• 22209 EG15W33C3	45	85	23			115,00	113,00	5100	0,545	M60
• 22209 EMC3	45	85	23			110,00	106,00	5100	0,595	M63
• 22209 EMW33	45	85	23			110,00	106,00	5100	0,500	M02
• 22209 EMW33C3	45	85	23			110,00	106,00	5100	0,500	M02
• 22209 EMKW33	45	85	23			110,00	106,00	5100	0,450	M03
• 22209 EMKW33C3	45	85	23			110,00	106,00	5100	0,450	M03
• 22210 EAW33	50	90	23			124,00	124,00	4800	0,603	M60
• 22210 EAW33C3	50	90	23			124,00	124,00	4800	0,603	M60
• 22210 EAW33C4	50	90	23			124,00	124,00	4800	0,603	M60
• 22210 EAKW33	50	90	23			124,00	124,00	4800	0,577	M41
• 22210 EAKW33C3	50	90	23			124,00	124,00	4800	0,577	M41
• 22210 EAKW33C4	50	90	23			124,00	124,00	4800	0,577	M41
• 22210 EG15W33	50	90	23			124,00	124,00	4800	0,580	M60
• 22210 EG15W33C3	50	90	23			124,00	124,00	4800	0,580	M60
• 22210 EG15KW33C3	50	90	23			124,00	124,00	4800	0,559	M41
• 22210 EMW33	50	90	23			118,00	117,00	4800	0,607	M02
• 22210 EMW33C3	50	90	23			118,00	117,00	4800	0,585	M02
• 22210 EMKW33	50	90	23			118,00	117,00	4800	0,590	M03
• 22210 EMKW33C3	50	90	23			118,00	117,00	4800	0,590	M03
• 22211 EAW33	55	100	25			147,00	148,00	4300	0,823	M60
• 22211 EAW33C3	55	100	25			147,00	148,00	4300	0,823	M60
• 22211 EAW33C4	55	100	25			147,00	148,00	4300	0,823	M60
• 22211 EAKW33	55	100	25			147,00	148,00	4300	0,766	M41
• 22211 EAKW33C3	55	100	25			147,00	148,00	4300	0,766	M41
• 22211 EAKW33C4	55	100	25			147,00	148,00	4300	0,766	M41
• 22211 EG15W33C3	55	100	25			147,00	148,00	4300	0,792	M60
• 22211 EG15KW33C3	55	100	25			147,00	148,00	4300	0,778	M41
• 22211 EM	55	100	25			141,00	140,00	4300	0,782	M63
• 22211 EMW33	55	100	25			141,00	140,00	4300	0,840	M02
• 22211 EMW33C3	55	100	25			141,00	140,00	4300	0,840	M02



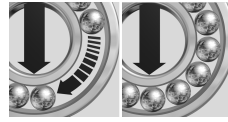
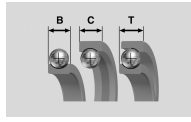
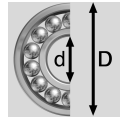
22211 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
• 22211 EMKW33	55	100	25			141,00	140,00	4300	0,810	M03
• 22211 EMKW33C3	55	100	25			141,00	140,00	4300	0,810	M03
• 22212 EAW33	60	110	28			178,00	181,00	3900	1,134	M60
• 22212 EAW33C3	60	110	28			178,00	181,00	3900	1,134	M60
• 22212 EAW33C4	60	110	28			178,00	181,00	3900	1,134	M60
• 22212 EAKW33	60	110	28			178,00	181,00	3900	1,070	M41
• 22212 EAKW33C3	60	110	28			178,00	181,00	3900	1,070	M41
• 22212 EAKW33C4	60	110	28			178,00	181,00	3900	1,070	M41
• 22212 EG15C3	60	110	28			178,00	181,00	3900	1,090	
• <i>22212 EG15KW33C3</i>	60	110	28			178,00	181,00	3900	1,048	M41
• 22212 EMW33	60	110	28			170,00	171,00	3900	1,147	M02
• 22212 EMW33C3	60	110	28			170,00	171,00	3900	1,147	M02
• 22212 EMKW33	60	110	28			170,00	171,00	3900	1,120	M02
• 22212 EMKW33C3	60	110	28			170,00	171,00	3900	1,120	M03
• 22213 EAW33	65	120	31			215,00	224,00	3600	1,512	M60
• 22213 EAW33C3	65	120	31			215,00	224,00	3600	1,512	M60
• 22213 EAW33C4	65	120	31			215,00	224,00	3600	1,512	M60
• 22213 EAKW33	65	120	31			215,00	224,00	3600	1,450	M41
• 22213 EAKW33C3	65	120	31			215,00	224,00	3600	1,450	M41
• 22213 EAKW33C4	65	120	31			215,00	224,00	3600	1,450	M41
• 22213 EG15W33C3	65	120	31			215,00	224,00	3600	1,441	M60
• 22213 EMW33	65	120	31			206,00	212,00	3600	1,589	M02
• 22213 EMW33C3	65	120	31			206,00	212,00	3600	1,589	M02
• 22213 EMKW33C3	65	120	31			206,00	212,00	3600	1,527	M03
• 22214 EAW33	70	125	31			224,00	240,00	3400	1,586	M60
• 22214 EAW33C3	70	125	31			224,00	240,00	3400	1,586	M60
• 22214 EAW33C4	70	125	31			224,00	240,00	3400	1,586	M60
• 22214 EAKW33	70	125	31			224,00	240,00	3400	1,520	M41
• 22214 EAKW33C3	70	125	31			224,00	240,00	3400	1,520	M41
• 22214 EG15W33	70	125	31			224,00	240,00	3400	1,524	M60
• 22214 EG15W33C3	70	125	31			224,00	240,00	3400	1,520	M60
• 22214 EMW33	70	125	31			224,00	240,00	3300	1,520	M02
• 22214 EMW33C3	70	125	31			224,00	240,00	3400	1,520	M02
• 22214 EMKW33	70	125	31			224,00	240,00	3400	1,520	M03
• 22214 EMKW33C3	70	125	31			224,00	240,00	3400	1,520	M03
• 22215 EAW33	75	130	31			232,00	249,00	3200	1,644	M60
• 22215 EAW33C3	75	130	31			232,00	249,00	3200	1,644	M60
• 22215 EAW33C4	75	130	31			232,00	249,00	3200	1,644	M60
• 22215 EAKW33	75	130	31			232,00	249,00	3200	1,560	M41
• 22215 EAKW33C3	75	130	31			232,00	249,00	3200	1,560	M41
• <i>22215 EG15W33</i>	75	130	31			232,00	249,00	3200	1,582	M60
• 22215 EG15W33C3	75	130	31			232,00	249,00	3200	1,582	M60
• 22215 EMW33	75	130	31			232,00	249,00	3200	1,720	M02
• 22215 EMW33C3	75	130	31			232,00	249,00	3200	1,720	M02
• 22215 EMKW33	75	130	31			232,00	249,00	3200	1,680	M03
• 22215 EMKW33C3	75	130	31			232,00	249,00	3200	1,680	M03
• 22216 EAW33	80	140	33			265,00	287,00	3000	2,071	M60
• <i>22216 EAW33C2</i>	80	140	33			265,00	287,00	3000	2,071	M60
• 22216 EAW33C3	80	140	33			265,00	287,00	3000	2,071	M60
• 22216 EAW33C4	80	140	33			265,00	287,00	3000	2,071	M60
• 22216 EAKW33	80	140	33			265,00	287,00	3000	2,041	M41
• 22216 EAKW33C3	80	140	33			265,00	287,00	3000	2,041	M41
• 22216 EAKW33C4	80	140	33			265,00	287,00	3000	2,041	M41
• <i>22216 EG15W33</i>	80	140	33			265,00	287,00	3000	1,988	M60
• 22216 EG15KW33C3	80	140	33			265,00	287,00	3000	1,941	M41
• 22216 EMW33	80	140	33			254,00	272,00	3000	2,157	M02
• 22216 EMW33C3	80	140	33			254,00	272,00	3000	2,157	M02
• 22216 EMKW33	80	140	33			254,00	272,00	3000	2,127	M03
• 22217 EAW33	85	150	36			308,00	330,00	2800	2,560	M60
• 22217 EAW33C3	85	150	36			308,00	330,00	2800	2,560	M60



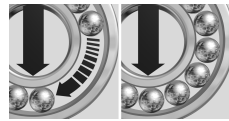
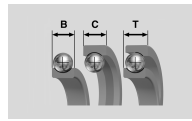
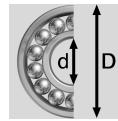
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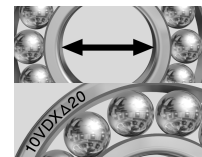
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	x1000 Newtons									
• 22217 EAW33C4	85	150	36			308,00	330,00	2800	2,560	M60
• 22217 EAKW33	85	150	36			308,00	330,00	2800	2,520	M41
• 22217 EAKW33C3	85	150	36			308,00	330,00	2800	2,520	M41
• 22217 EAKW33C4	85	150	36			308,00	330,00	2800	2,520	M41
• 22217 EG15W33	85	150	36			308,00	330,00	2800	2,452	M60
• 22217 EG15W33C3	85	150	36			308,00	330,00	2800	2,452	M60
• 22217 EG15KW33C3	85	150	36			308,00	330,00	2800	2,396	M41
• 22217 EMW33	85	150	36			308,00	330,00	2800	2,600	M02
• 22217 EMW33C3	85	150	36			308,00	330,00	2800	2,600	M02
• 22217 EMKW33C3	85	150	36			308,00	330,00	2800	2,550	M03
• 22218 EAW33	90	160	40			366,00	398,00	2700	3,283	M60
• 22218 EAW33C3	90	160	40			366,00	398,00	2700	3,283	M60
• 22218 EAW33C4	90	160	40			366,00	398,00	2700	3,283	M60
• 22218 EAKW33	90	160	40			366,00	398,00	2700	3,240	M41
• 22218 EAKW33C3	90	160	40			366,00	398,00	2700	3,240	M41
• 22218 EAKW33C4	90	160	40			366,00	398,00	2700	3,240	M41
• 22218 EG15W33C3	90	160	40			366,00	398,00	2700	3,160	M60
• 22218 EG15KW33	90	160	40			366,00	398,00	2700	3,090	M60
• 22218 EG15KW33C3	90	160	40			366,00	398,00	2700	3,090	M41
• 22218 EMW33	90	160	40			366,00	398,00	2200	3,300	M02
• 22218 EMW33C3	90	160	40			366,00	398,00	2200	3,300	M02
• 22219 EAW33	95	170	43			395,00	417,00	2500	3,950	M60
• 22219 EAW33C3	95	170	43			395,00	417,00	2500	3,950	M60
• 22219 EAKW33	95	170	43			395,00	417,00	2500	3,850	M41
• 22219 EAKW33C3	95	170	43			395,00	417,00	2500	3,850	M41
• 22219 EAKW33C4	95	170	43			395,00	417,00	2500	3,860	M41
• 22219 EMW33	95	170	43			395,00	417,00	2500	4,090	M02
• 22219 EMW33C3	95	170	43			395,00	417,00	2500	4,090	M02
• 22220 EA	100	180	46			449,00	495,00	2400	4,877	☎
• 22220 EAW33	100	180	46			449,00	495,00	2400	4,815	M60
• 22220 EAW33C3	100	180	46			449,00	495,00	2400	4,815	M60
• 22220 EAW33C4	100	180	46			449,00	495,00	2400	4,815	M60
• 22220 EAKW33	100	180	46			449,00	495,00	2400	4,720	M41
• 22220 EAKW33C3	100	180	46			449,00	495,00	2400	4,720	M41
• 22220 EAKW33C4	100	180	46			449,00	495,00	2400	4,720	M41
• 22220 EMW33	100	180	46			449,00	495,00	2400	5,082	M02
• 22220 EMW33C3	100	180	46			449,00	495,00	2300	5,082	M02
• 22220 EMW33C4	100	180	46			449,00	495,00	2400	4,760	M02
• 22220 EMKW33C3	100	180	46			449,00	495,00	2300	5,000	M03
• 22222 EAW33	110	200	53			573,00	643,00	2200	6,929	M60
• 22222 EAW33C2	110	200	53			573,00	643,00	2200	6,929	M60
• 22222 EAW33C3	110	200	53			573,00	643,00	2200	6,929	M60
• 22222 EAW33C4	110	200	53			573,00	643,00	2100	7,040	M60
• 22222 EAKW33	110	200	53			573,00	643,00	2200	6,879	M41
• 22222 EAKW33C3	110	200	53			573,00	643,00	2200	6,879	M41
• 22222 EAKW33C4	110	200	53			573,00	643,00	2200	6,879	M41
• 22222 EMW33	110	200	53			573,00	643,00	2200	7,224	M02
• 22222 EMW33C3	110	200	53			573,00	643,00	2200	7,224	M02
• 22222 EMKW33C3	110	200	53			573,00	643,00	2200	7,114	M03
• 22224 EAW33	120	215	58			654,00	753,00	1900	8,693	M60
• 22224 EAW33C3	120	215	58			654,00	753,00	1900	8,693	M60
• 22224 EAW33C4	120	215	58			654,00	753,00	1900	8,693	M60
• 22224 EAKW33	120	215	58			654,00	753,00	1900	8,580	M41
• 22224 EAKW33C3	120	215	58			654,00	753,00	1900	8,580	M41
• 22224 EAKW33C4	120	215	58			654,00	753,00	1900	8,580	M41
• 22224 EMW33	120	215	58			654,00	753,00	1900	8,780	M02
• 22224 EMW33C3	120	215	58			654,00	753,00	1900	8,780	M02
• 22224 EKW33MC3	120	215	58			654,00	753,00	1900	8,650	M03
• 22226 EAW33	130	230	64			768,00	898,00	1800	10,771	M60
• 22226 EAW33C3	130	230	64			768,00	898,00	1800	10,771	M60



22226 →



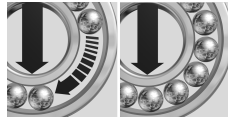
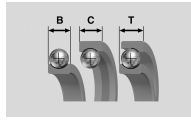
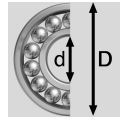
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
• 22226 EAW33C4	130	230	64			768,00	898,00	1800	10,771	M60
• 22226 EAKW33	130	230	64			768,00	898,00	1800	10,600	M41
• 22226 EAKW33C3	130	230	64			768,00	898,00	1800	10,600	M41
• <i>22226 EAKW33C4</i>	130	230	64			768,00	898,00	1800	10,600	M41
• 22226 EMW33	130	230	64			768,00	898,00	1800	10,900	M02
• 22226 EMW33C3	130	230	64			768,00	898,00	1800	10,900	M02
• 22228 EAW33	140	250	68			867,00	1010,00	1700	14,200	M60
• 22228 EAW33C3	140	250	68			867,00	1010,00	1700	14,200	M60
• 22228 EAKW33	140	250	68			867,00	1010,00	1700	14,000	M41
• 22228 EAKW33C3	140	250	68			867,00	1010,00	1700	14,000	M41
• 22228 EAKW33C4	140	250	68			867,00	1010,00	1700	14,000	M41
• 22228 EMW33	140	250	68			867,00	1010,00	1700	14,400	M02
• 22228 EMW33C3	140	250	68			867,00	1010,00	1700	14,400	M02
• 22228 EMKW33C3	140	250	68			867,00	1010,00	1700	14,000	M03
• 22230 EAW33	150	270	73			1020,00	1220,00	1500	17,800	M60
• 22230 EAW33C3	150	270	73			1020,00	1220,00	1500	17,800	M60
• 22230 EAKW33	150	270	73			1020,00	1220,00	1500	17,600	M41
• 22230 EAKW33C3	150	270	73			1020,00	1220,00	1500	17,600	M41
• 22230 EMW33	150	270	73			1020,00	1220,00	1500	17,992	M02
• 22230 EMW33C3	150	270	73			1020,00	1220,00	1500	17,992	M02
• 22230 EMKW33	150	270	73			1020,00	1220,00	1500	17,792	M03
• 22230 EMKW33C3	150	270	73			1020,00	1220,00	1500	17,792	M03
• 22232 EAW33	160	290	80			1160,00	1390,00	1400	23,000	M60
• 22232 EAW33C3	160	290	80			1160,00	1390,00	1400	23,000	M60
• 22232 EAW33C4	160	290	80			1160,00	1390,00	1400	23,000	M60
• 22232 EAKW33	160	290	80			1160,00	1390,00	1400	22,800	M41
• 22232 EAKW33C3	160	290	80			1160,00	1390,00	1400	22,800	M41
• 22232 EAKW33C4	160	290	80			1160,00	1390,00	1400	22,800	M41
• 22232 EMW33	160	290	80			1160,00	1390,00	1400	23,200	M02
• 22232 EMW33C3	160	290	80			1160,00	1390,00	1400	23,200	M02
• 22232 EMW33C4	160	290	80			1160,00	1390,00	1400	23,200	M02
• 22232 EMKW33	160	290	80			1160,00	1390,00	1400	23,000	M03
• 22232 EMKW33C3	160	290	80			1160,00	1390,00	1400	23,000	M03
• 22232 EMKW33C4	160	290	80			1160,00	1390,00	1400	23,000	M03
• 22234 EMW33	170	310	86			1330,00	1610,00	1300	28,177	M02
• 22234 EMW33C3	170	310	86			1330,00	1610,00	1300	28,177	M02
• 22234 EMKW33C3	170	310	86			1330,00	1610,00	1300	28,000	M03
• 22234 EMKW33C4	170	310	86			1330,00	1610,00	1300	28,000	M03
• 22236 EMW33	180	320	86			1380,00	1660,00	1300	28,941	M02
• 22236 EMW33C3	180	320	86			1380,00	1660,00	1300	28,941	M02
• 22236 EMKW33	180	320	86			1380,00	1660,00	1300	28,700	M03
• 22236 EMKW33C3	180	320	86			1380,00	1660,00	1300	28,700	M03
• 22236 EMKW33C4	180	320	86			1380,00	1660,00	1300	28,700	M03
• 22238 EMW33	190	340	92			1540,00	1870,00	1200	35,314	M02
• 22238 EMW33C3	190	340	92			1540,00	1870,00	1200	35,314	M02
• 22238 EMKW33	190	340	92			1540,00	1870,00	1200	35,000	M03
• 22238 EMKW33C3	190	340	92			1540,00	1870,00	1200	35,000	M03
• 22240 EMW33	200	360	98			1720,00	2100,00	1100	42,528	M02
• 22240 EMW33C3	200	360	98			1720,00	2100,00	1100	42,528	M02
• 22240 EMW33C4	200	360	98			1720,00	2100,00	1100	42,528	M02
• 22240 EMKW33	200	360	98			1720,00	2100,00	1100	42,000	M03
• 22240 EMKW33C3	200	360	98			1720,00	2100,00	1100	42,000	M03
• 22240 EMKW33C4	200	360	98			1720,00	2100,00	1100	42,000	M03
• 22244 EMW33	220	400	108			2100,00	2690,00	1000	59,474	M02
• 22244 EMW33C3	220	400	108			2100,00	2690,00	1000	59,474	M02
• 22244 EMKW33C3	220	400	108			2100,00	2690,00	1000	59,000	M03
22248 VMW33C3	240	440	120			1170,00	1950,00	900	85,000	N60



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.



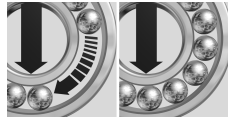
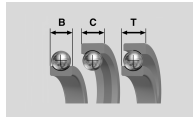
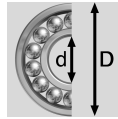
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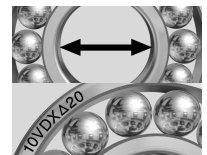
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
• 22308 EAW33	40	90	33			161,00	152,00	4100	1,006	M60
• 22308 EAW33C3	40	90	33			161,00	152,00	4100	1,006	M60
• 22308 EAW33C4	40	90	33			161,00	152,00	4100	1,006	M60
• 22308 EAKW33	40	90	33			161,00	152,00	4100	1,000	M41
• 22308 EAKW33C3	40	90	33			161,00	152,00	4100	1,000	M41
• 22308 EF800	40	90	33			161,00	152,00	4100	1,021	M02
• 22308 EG15W33	40	90	33			161,00	152,00	4100	0,962	M60
• 22308 EG15W33C3	40	90	33			161,00	152,00	4100	0,962	M60
• 22308 EG15KW33	40	90	33			161,00	152,00	4100	0,940	M41
• 22308 EG15KW33C3	40	90	33			161,00	152,00	4100	0,940	M41
• 22308 EMW33	40	90	33			161,00	152,00	4100	1,021	M02
• 22308 EMW33C3	40	90	33			161,00	152,00	4100	1,021	M02
• 22309 EAW33	45	100	36			196,00	187,00	3700	1,352	M60
• 22309 EAW33C3	45	100	36			196,00	187,00	3700	1,352	M60
• 22309 EAW33C4	45	100	36			196,00	187,00	3700	1,352	M60
• 22309 EAKW33	45	100	36			196,00	187,00	3700	1,340	M41
• 22309 EAKW33C3	45	100	36			196,00	187,00	3700	1,340	M41
• 22309 EAKW33C4	45	100	36			196,00	187,00	3700	1,340	M41
• 22309 EF800	45	100	36			196,00	187,00	3700	1,369	M02
• 22309 EF801	45	100	36			196,00	187,00	3700	2,369	M02
• 22309 EG15W33	45	100	36			196,00	187,00	3700	1,289	M60
• 22309 EG15W33C3	45	100	36			196,00	187,00	3700	1,289	M60
• 22309 EG15KW33C3	45	100	36			196,00	187,00	3700	1,257	M41
• 22309 EKF800	45	100	36			196,00	187,00	3700	1,357	M03
• 22309 EM	45	100	36			196,00	187,00	3700	1,386	M02
• 22309 EMW33	45	100	36			196,00	187,00	3700	1,369	M02
• 22309 EMW33C3	45	100	36			196,00	187,00	3700	1,369	M02
• 22310 EAW33	50	110	40			237,00	232,00	3400	1,810	M60
• 22310 EAW33C3	50	110	40			237,00	232,00	3400	1,810	M60
• 22310 EAW33C4	50	110	40			237,00	232,00	3400	1,810	M60
• 22310 EAKW33	50	110	40			237,00	232,00	3400	1,800	M41
• 22310 EAKW33C3	50	110	40			237,00	232,00	3400	1,800	M41
• 22310 EF800	50	110	40			237,00	232,00	3400	1,834	M02
• 22310 EF801	50	110	40			237,00	232,00	3400	1,834	M02
• 22310 EG15W33	50	110	40			237,00	232,00	3400	1,728	M60
• 22310 EG15W33C3	50	110	40			237,00	232,00	3400	1,728	M60
• 22310 EG15KW33C3	50	110	40			237,00	232,00	3400	1,687	M41
• 22310 EKF800	50	110	40			237,00	232,00	3400	1,824	M03
• 22310 EMW33	50	110	40			237,00	232,00	3600	1,834	M02
• 22310 EMW33C3	50	110	40			237,00	232,00	3600	1,834	M02
• 22311 EAW33	55	120	43			282,00	274,00	3100	2,290	M60
• 22311 EAW33C3	55	120	43			282,00	274,00	3100	2,290	M60
• 22311 EAW33C4	55	120	43			282,00	274,00	3100	2,290	M60
• 22311 EAKW33	55	120	43			282,00	274,00	3100	2,270	M41
• 22311 EAKW33C3	55	120	43			282,00	274,00	3100	2,270	M41
• 22311 EF800	55	120	43			282,00	274,00	3100	2,340	M02
• 22311 EF801	55	120	43			282,00	274,00	3100	2,340	M02
• 22311 EG15W33	55	120	43			282,00	274,00	3100	2,270	M60
• 22311 EG15W33C3	55	120	43			282,00	274,00	3100	2,199	M60
• 22311 EG15KW33	55	120	43			282,00	274,00	3100	2,146	M41
• 22311 EG15KW33C3	55	120	43			282,00	274,00	3100	2,250	M41
• 22311 EKF800	55	120	43			282,00	274,00	3100	2,320	M03
• 22311 EKF801	55	120	43			282,00	274,00	3100	2,249	M03
• 22311 EMW33	55	120	43			282,00	274,00	3300	2,340	M02
• 22311 EMW33C3	55	120	43			282,00	274,00	3300	2,340	M02
• 22311 EMKW33C3	55	120	43			282,00	274,00	3300	2,310	M03
• 22312 EAW33	60	130	46			323,00	319,00	2900	2,804	M60
• 22312 EAW33C3	60	130	46			323,00	319,00	2900	2,804	M60
• 22312 EAW33C4	60	130	46			323,00	319,00	2900	2,804	M60
• 22312 EAKW33	60	130	46			323,00	319,00	2900	2,780	M41
• 22312 EAKW33C3	60	130	46			323,00	319,00	2900	2,780	M41
• 22312 EF800	60	130	46			323,00	319,00	2900	2,892	M02



22312 →



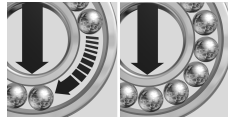
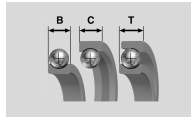
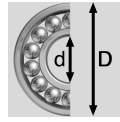
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	x1000 Newtons									
• 22312 EF801	60	130	46			323,00	319,00	2900	2,892	M02
• 22312 EG15W33	60	130	46			323,00	319,00	2900	2,790	M60
• 22312 EG15W33C3	60	130	46			323,00	319,00	2900	2,790	M60
• <i>22312 EG15KW33</i>	60	130	46			323,00	319,00	2900	2,710	M41
• <i>22312 EG15KW33C3</i>	60	130	46			323,00	319,00	2900	2,647	M41
• 22312 EKF800	60	130	46			323,00	319,00	2900	2,868	M03
• 22312 EM	60	130	46			323,00	319,00	2900	2,970	M63
• 22312 EMC3	60	130	46			323,00	319,00	2900	2,970	M63
• 22312 EMW33C3	60	130	46			323,00	319,00	2900	2,892	M02
• 22312 EMKW33C3	60	130	46			323,00	319,00	2800	2,868	M03
• 22313 EAW33	65	140	48			351,00	343,00	2700	3,413	M60
• 22313 EAW33C3	65	140	48			351,00	343,00	2700	3,413	M60
• 22313 EAW33C4	65	140	48			351,00	343,00	2600	3,413	M60
• 22313 EAKW33	65	140	48			351,00	343,00	2700	3,370	M41
• 22313 EAKW33C3	65	140	48			351,00	343,00	2700	3,370	M41
• 22313 EAKW33C4	65	140	48			351,00	343,00	2700	3,370	M41
• 22313 EF800	65	140	48			351,00	343,00	2700	3,493	M02
• 22313 EF801	65	140	48			351,00	343,00	2700	3,493	M02
• 22313 EG15W33	65	140	48			351,00	343,00	2700	3,272	M60
• 22313 EG15W33C3	65	140	48			351,00	343,00	2700	3,272	M60
• 22313 EG15KW33C3	65	140	48			351,00	343,00	2700	3,198	M41
• 22313 EKF800	65	140	48			351,00	343,00	2700	3,450	M03
• 22313 EMW33	65	140	48			351,00	343,00	2700	3,493	M02
• 22313 EMW33C3	65	140	48			351,00	343,00	2700	3,493	M02
• 22314 EAW33	70	150	51			400,00	396,00	2500	4,176	M60
• 22314 EAW33C3	70	150	51			400,00	396,00	2500	4,176	M60
• 22314 EAW33C4	70	150	51			400,00	396,00	2500	4,176	M60
• 22314 EAKW33	70	150	51			400,00	396,00	2500	4,100	M41
• 22314 EAKW33C3	70	150	51			400,00	396,00	2500	4,100	M41
• 22314 EAKW33C4	70	150	51			400,00	396,00	2500	4,100	M41
• 22314 EF800	70	150	51			400,00	396,00	2500	4,274	M02
• 22314 EF801	70	150	51			400,00	396,00	2500	4,274	M02
• 22314 EG15W33	70	150	51			400,00	396,00	2500	3,993	M60
• 22314 EG15W33C3	70	150	51			400,00	396,00	2500	3,993	M60
• <i>22314 EG15KW33</i>	70	150	51			400,00	396,00	2500	3,899	M41
• 22314 EG15KW33C3	70	150	51			400,00	396,00	2500	3,899	M41
• 22314 EKF800	70	150	51			400,00	396,00	2500	4,198	M03
• 22314 EMW33	70	150	51			400,00	396,00	2600	4,274	M02
• 22314 EMW33C3	70	150	51			400,00	396,00	2600	4,274	M02
• 22314 EMKW33C3	70	150	51			400,00	396,00	2600	4,200	M03
• 22315 EAW33	75	160	55			467,00	467,00	2300	5,083	M60
• 22315 EAW33C3	75	160	55			467,00	467,00	2300	5,083	M60
• 22315 EAW33C4	75	160	55			467,00	467,00	2300	5,083	M60
• 22315 EAKW33C4	75	160	55			467,00	467,00	2300	5,000	M41
• 22315 EAKW33	75	160	55			467,00	467,00	2300	5,000	M41
• 22315 EAKW33C3	75	160	55			467,00	467,00	2300	5,000	M41
• 22315 EF800	75	160	55			467,00	467,00	2300	5,210	M02
• 22315 EF801	75	160	55			467,00	467,00	2300	5,210	M02
• 22315 EG15W33	75	160	55			467,00	467,00	2300	4,908	M60
• 22315 EG15W33C3	75	160	55			467,00	467,00	2300	4,908	M60
• 22315 EG15KW33C3	75	160	55			467,00	467,00	2300	4,790	M41
• 22315 EG15NW33C3	75	160	55			467,00	467,00	2300	4,908	M60
• 22315 EKF800	75	160	55			467,00	467,00	2300	5,127	M03
• 22315 EMW33	75	160	55			467,00	467,00	2300	5,210	M02
• 22315 EMW33C3	75	160	55			467,00	467,00	2300	5,210	M02
• 22315 EMKW33C3	75	160	55			467,00	467,00	2300	5,100	M03
• 22316 EAW33	80	170	58			515,00	522,00	2200	6,030	M60
• 22316 EAW33C3	80	170	58			515,00	522,00	2200	6,030	M60
• 22316 EAW33C4	80	170	58			515,00	522,00	2200	6,030	M60
• 22316 EAKW33	80	170	58			515,00	522,00	2200	5,930	M41
• 22316 EAKW33C3	80	170	58			515,00	522,00	2200	5,930	M41
• 22316 EF800	80	170	58			515,00	522,00	2200	6,200	M02



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.



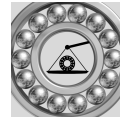
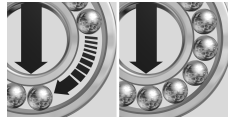
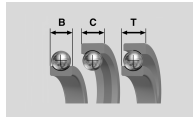
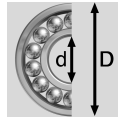
22316 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
• 22316 EF801	80	170	58			515,00	522,00	2200	6,200	M02
• 22316 EG15W33	80	170	58			515,00	522,00	2200	5,809	M60
• 22316 EG15W33C3	80	170	58			515,00	522,00	2200	5,809	M60
• 22316 EG15KW33	80	170	58			515,00	522,00	2200	5,660	M41
• 22316 EG15KW33C3	80	170	58			515,00	522,00	2200	5,660	M41
• 22316 EKF800	80	170	58			515,00	522,00	2200	6,100	M03
• 22316 EMW33	80	170	58			515,00	522,00	2200	6,200	M02
• 22316 EMKC3	80	170	58			515,00	522,00	2200	6,150	M64
• 22316 EMKW33C3	80	170	58			515,00	522,00	2200	6,100	M03
• 22317 EAW33	85	180	60			570,00	604,00	2000	7,061	M60
• 22317 EAW33C3	85	180	60			570,00	604,00	2000	7,061	M60
• 22317 EAW33C4	85	180	60			570,00	604,00	2000	7,061	M60
• 22317 EAKW33	85	180	60			570,00	604,00	2000	6,961	M41
• 22317 EAKW33C3	85	180	60			570,00	604,00	2000	6,961	M41
• 22317 EAKW33C4	85	180	60			570,00	604,00	2000	6,961	M41
• 22317 EF800	85	180	60			570,00	604,00	2000	7,160	M02
• 22317 EF801	85	180	60			570,00	604,00	2000	7,160	M02
• 22317 EKF800	85	180	60			570,00	604,00	2000	7,060	M03
• 22317 EMW33	85	180	60			570,00	604,00	2000	7,160	M02
• 22317 EMW33C3	85	180	60			570,00	604,00	2000	7,160	M02
• 22317 EMKW33	85	180	60			570,00	604,00	2000	7,060	M03
• 22317 EMKW33C3	85	180	60			570,00	604,00	2000	7,060	M03
• 22318 EANW33	90	190	64			636,00	652,00	1900	8,285	☎
• 22318 EAW33	90	190	64			636,00	652,00	1900	8,285	M60
• 22318 EAW33C3	90	190	64			636,00	652,00	1900	8,285	M60
• 22318 EAW33C4	90	190	64			636,00	652,00	1900	8,285	M60
• 22318 EAKW33	90	190	64			636,00	652,00	1900	8,160	M41
• 22318 EAKW33C3	90	190	64			636,00	652,00	1900	8,160	M41
• 22318 EAKW33C4	90	190	64			636,00	652,00	1900	8,160	M41
• 22318 EF800	90	190	64			636,00	652,00	1900	8,501	M02
• 22318 EF801	90	190	64			636,00	652,00	1900	8,501	M02
• 22318 EKF800	90	190	64			636,00	652,00	1900	8,380	M03
• 22318 EKF801	90	190	64			636,00	652,00	1900	8,302	M03
• 22318 EMW33	90	190	64			636,00	652,00	1900	8,501	M02
• 22318 EMW33C3	90	190	64			636,00	652,00	1900	8,501	M02
• 22318 EMKW33C3	90	190	64			636,00	652,00	1900	8,380	M03
• 22319 EA	95	200	67			696,00	751,00	1800	9,888	☎
• 22319 EAW33	95	200	67			696,00	751,00	1800	9,820	M60
• 22319 EAW33C3	95	200	67			696,00	751,00	1800	9,820	M60
• 22319 EAW33C4	95	200	67			696,00	751,00	1800	10,000	M60
• 22319 EAKW33	95	200	67			696,00	751,00	1800	9,610	M41
• 22319 EAKW33C3	95	200	67			696,00	751,00	1800	9,610	M41
• 22319 EF800	95	200	67			696,00	751,00	1800	10,000	M02
• 22319 EMW33	95	200	67			696,00	751,00	1800	10,060	M02
• 22319 EMW33C3	95	200	67			696,00	751,00	1800	10,060	M02
• 22319 EMKW33	95	200	67			696,00	751,00	1800	9,950	M03
• 22319 EMKW33C3	95	200	67			696,00	751,00	1800	9,950	M03
• 22320 EAW33	100	215	73			787,00	844,00	1700	12,470	M60
• 22320 EAW33C3	100	215	73			787,00	844,00	1700	12,470	M60
• 22320 EAW33C4	100	215	73			787,00	844,00	1700	12,470	M60
• 22320 EAKW33	100	215	73			787,00	844,00	1700	12,188	M41
• 22320 EAKW33C3	100	215	73			787,00	844,00	1700	12,188	M41
• 22320 EF800	100	215	73			787,00	844,00	1700	12,776	M02
• 22320 EKF800	100	215	73			787,00	844,00	1700	12,550	M03
• 22320 EMW33	100	215	73			787,00	844,00	1700	12,776	M02
• 22320 EMW33C3	100	215	73			787,00	844,00	1700	12,776	M02
• 22320 EMW33C4	100	215	73			787,00	844,00	1700	12,776	M02
• 22320 EMKW33	100	215	73			787,00	844,00	1700	12,550	M03
• 22320 EMKW33C3	100	215	73			787,00	844,00	1700	12,550	M03
• 22322 EAW33	110	240	80			928,00	972,00	1600	16,870	M60
• 22322 EAW33C3	110	240	80			928,00	972,00	1600	16,870	M60

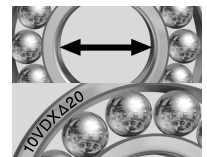


22322 →



d D B C T C Co tr/mn kg
x1000 Newtons

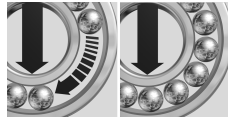
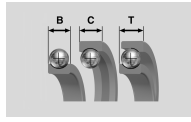
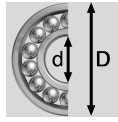
• 22322 EAW33C4	110	240	80		928,00	972,00	1600	16,870	M60
• 22322 EAKW33	110	240	80		928,00	972,00	1600	16,514	M41
• 22322 EAKW33C3	110	240	80		928,00	972,00	1600	16,514	M41
• 22322 EAKW33C4	110	240	80		928,00	972,00	1600	16,514	M41
• 22322 EF800	110	240	80		928,00	972,00	1600	17,406	M02
• <i>22322 EF803</i>	110	240	80		928,00	972,00	1600	17,406	M02
• 22322 EKF800	110	240	80		928,00	972,00	1600	17,150	M03
• 22322 EMW33	110	240	80		928,00	972,00	1600	17,406	M02
• 22322 EMW33C3	110	240	80		928,00	972,00	1600	17,406	M02
• 22322 EMW33C4	110	240	80		928,00	972,00	1600	17,406	M02
• 22322 EMKW33	110	240	80		928,00	972,00	1600	17,150	M03
• 22322 EMKW33C3	110	240	80		928,00	972,00	1600	17,150	M03
• 22322 EMKW33C4	110	240	80		928,00	972,00	1500	17,150	M03
• 22324 EAW33	120	260	86		1110,00	1280,00	1400	22,170	M60
• 22324 EAW33C3	120	260	86		1110,00	1280,00	1400	22,170	M60
• 22324 EAW33C4	120	260	86		1110,00	1280,00	1400	22,170	M60
• 22324 EAKW33	120	260	86		1110,00	1280,00	1400	21,720	M41
• 22324 EAKW33C3	120	260	86		1110,00	1280,00	1400	21,720	M41
• 22324 EF800	120	260	86		1110,00	1280,00	1400	22,600	M02
• 22324 EKF800	120	260	86		1110,00	1280,00	1400	22,150	M03
• 22324 EMC3	120	260	86		1110,00	1280,00	1400	22,800	M02
• 22324 EMW33	120	260	86		1110,00	1280,00	1400	22,600	M02
• 22324 EMW33C3	120	260	86		1110,00	1280,00	1400	22,600	M02
• 22324 EMKW33C3	120	260	86		1110,00	1280,00	1400	22,150	M03
• 22326 EAW33	130	280	93		1260,00	1400,00	1300	26,917	M60
• 22326 EAW33C3	130	280	93		1260,00	1400,00	1300	26,917	M60
• 22326 EAKW33	130	280	93		1260,00	1400,00	1300	26,354	M41
• 22326 EAKW33C3	130	280	93		1260,00	1400,00	1300	26,354	M41
• 22326 EF800	130	280	93		1260,00	1400,00	1300	27,900	M02
• 22326 EKF800	130	280	93		1260,00	1400,00	1300	27,400	M03
• 22326 EMW33	130	280	93		1260,00	1400,00	1300	27,900	M02
• 22326 EMW33C3	130	280	93		1260,00	1400,00	1300	27,900	M02
• 22326 EMW33C4	130	280	93		1260,00	1400,00	1300	27,900	M02
• 22326 EMKW33	130	280	93		1260,00	1400,00	1300	27,400	M03
• 22326 EMKW33C3	130	280	93		1260,00	1400,00	1300	27,400	M03
• 22328 EAW33	140	300	102		1470,00	1720,00	1200	34,130	M60
• 22328 EAW33C3	140	300	102		1470,00	1720,00	1200	34,130	M60
• 22328 EAW33C4	140	300	102		1470,00	1720,00	1200	34,130	M60
• 22328 EAKW33	140	300	102		1470,00	1720,00	1200	33,390	M41
• 22328 EAKW33C3	140	300	102		1470,00	1720,00	1200	33,390	M41
• 22328 EF800	140	300	102		1470,00	1720,00	1200	34,903	M02
• 22328 EKF800	140	300	102		1470,00	1720,00	1200	34,300	M03
• 22328 EMW33	140	300	102		1470,00	1720,00	1200	34,903	M02
• 22328 EMW33C3	140	300	102		1470,00	1720,00	1200	34,903	M02
• 22328 EMW33C4	140	300	102		1470,00	1720,00	1200	34,903	M02
• 22328 EMKW33C3	140	300	102		1470,00	1720,00	1200	34,300	M03
• 22330 EF800	150	320	108		1660,00	1890,00	1200	41,960	M02
• 22330 EF802	150	320	108		1660,00	1890,00	1200	41,960	M02
• 22330 EKF800	150	320	108		1660,00	1890,00	1200	41,200	M03
• 22330 EMW33	150	320	108		1660,00	1890,00	1200	41,960	M02
• 22330 EMW33C3	150	320	108		1660,00	1890,00	1200	41,960	M02
• 22330 EMW33C4	150	320	108		1660,00	1890,00	1200	41,960	M02
• 22330 EMKW33C3	150	320	108		1660,00	1890,00	1200	41,200	M03
• 22332 EF800	160	340	114		1850,00	2210,00	1100	50,700	M02
• 22332 EF802	160	340	114		1850,00	2210,00	1100	50,700	M02
• 22332 EKF800	160	340	114		1850,00	2210,00	1100	50,000	M03
• 22332 EMW33	160	340	114		1850,00	2210,00	1100	50,700	M02
• 22332 EMW33C3	160	340	114		1850,00	2210,00	1100	50,700	M02
• 22332 EMW33C4	160	340	114		1850,00	2210,00	1100	50,700	M02
• 22332 EMKW33C3	160	340	114		1850,00	2210,00	1100	50,000	M03



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.



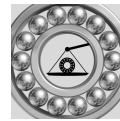
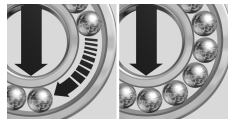
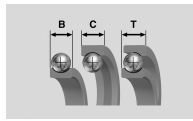
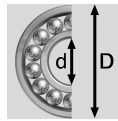
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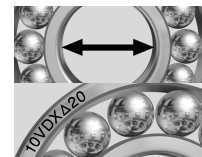
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
• 22334 EF800	170	360	120			2100,00	2630,00	1000	59,000	M02
• 22334 EF802	170	360	120			2100,00	2630,00	1000	59,000	M02
• 22334 EKF800	170	360	120			2100,00	2630,00	1000	58,200	M03
• 22334 EMW33	170	360	120			2100,00	2630,00	1000	59,000	M02
• 22334 EMW33C3	170	360	120			2100,00	2630,00	1000	59,000	M02
• 22334 EMKW33	170	360	120			2100,00	2630,00	1000	59,000	M03
• 22334 EMKW33C3	170	360	120			2100,00	2630,00	1000	58,200	M03
22336 VMW33	180	380	126			1580,00	2190,00	850	67,300	N60
22336 VMW33C3	180	380	126			1580,00	2190,00	850	67,600	N60
22336 VMKW33C3	180	380	126			1580,00	2190,00	850	66,300	N41
22338 VMW33C3	190	400	132			1830,00	2650,00	800	76,400	N60
22338 VMKW33C3	190	400	132			1830,00	2650,00	800	75,000	N41
22340 VMW33	200	420	138			1830,00	2650,00	750	99,000	N60
22340 VMW33C3	200	420	138			1830,00	2650,00	750	99,000	N60
22340 VMKW33	200	420	138			1830,00	2650,00	750	97,000	N41
22340 VMKW33C3	200	420	138			1830,00	2650,00	750	97,000	N41
22344 VMW33	220	460	145			2110,00	3150,00	700	125,000	N60
22344 VMW33C3	220	460	145			2110,00	3150,00	700	125,000	N60
22344 VMKW33	220	460	145			2110,00	3150,00	700	122,000	N41
22344 VMKW33C3	220	460	145			2110,00	3150,00	700	122,000	N41
22348 VMW33	240	500	155			2450,00	3700,00	660	159,000	N60
22348 VMW33C3	240	500	155			2450,00	3700,00	660	159,000	N60
22348 VMKW33	240	500	155			2450,00	3700,00	660	156,000	N41
22356 VMW33	280	580	175			3429,00	5182,00	600	232,000	N60
22356 VMW33C3	280	580	175			3429,00	5182,00	600	232,000	N41
• 23022 EAW33	110	170	45			397,00	517,00	2300	3,550	M60
• 23022 EAW33C3	110	170	45			397,00	517,00	2300	3,550	M60
• 23022 EAW33C4	110	170	45			397,00	517,00	2300	3,550	M02
• 23022 EAKW33	110	170	45			397,00	517,00	2300	3,450	M41
• 23022 EAKW33C3	110	170	45			397,00	517,00	2300	3,450	M41
• 23022 EMW33	110	170	45			397,00	517,00	2300	3,620	M02
• 23022 EMW33C3	110	170	45			397,00	517,00	2300	3,620	M02
• 23022 EMKW33	110	170	45			397,00	517,00	2300	3,520	M03
• 23022 EMKW33C3	110	170	45			397,00	517,00	2300	3,520	M03
• 23024 EAW33	120	180	46			424,00	577,00	2200	3,990	M60
• 23024 EAW33C2	120	180	46			424,00	577,00	2200	3,990	M60
• 23024 EAW33C3	120	180	46			424,00	577,00	2200	3,990	M60
• 23024 EAW33C4	120	180	46			424,00	577,00	2200	3,990	M60
• 23024 EAKW33	120	180	46			424,00	577,00	2200	3,870	M41
• 23024 EAKW33C3	120	180	46			424,00	577,00	2200	3,870	M41
• 23024 EMW33	120	180	46			424,00	577,00	2100	3,990	M02
• 23024 EMW33C3	120	180	46			424,00	577,00	2200	4,020	M02
• 23024 EMKW33	120	180	46			424,00	577,00	2200	3,870	M03
• 23024 EMKW33C3	120	180	46			424,00	577,00	2200	3,900	M03
• 23026 EAW33	130	200	52			538,00	721,00	2000	5,810	M60
• 23026 EAW33C3	130	200	52			538,00	721,00	2000	5,810	M60
• 23026 EAW33C4	130	200	52			538,00	721,00	2000	5,930	M60
• 23026 EAKW33	130	200	52			538,00	721,00	2000	5,640	M41
• 23026 EAKW33C3	130	200	52			538,00	721,00	2000	5,640	M41
• 23026 EMW33	130	200	52			538,00	721,00	2000	5,870	M02
• 23026 EMW33C3	130	200	52			538,00	721,00	2000	5,870	M02
• 23026 EMKW33C3	130	200	52			538,00	721,00	2000	5,700	M03
• 23028 EAW33	140	210	53			568,00	783,00	1900	6,330	M60
• 23028 EAW33C3	140	210	53			568,00	783,00	1900	6,330	M60
• 23028 EAW33C4	140	210	53			568,00	783,00	1900	6,330	M60
• 23028 EAKW33C3	140	210	53			568,00	783,00	1900	6,130	M41



23028 →



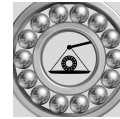
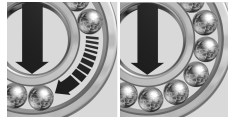
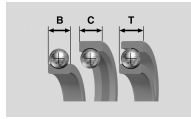
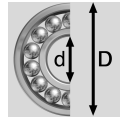
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
• 23028 EAKW33C4	140	210	53			568,00	783,00	1900	6,130	M41
• 23028 EMW33	140	210	53			568,00	783,00	1900	6,440	M02
• 23028 EMW33C3	140	210	53			568,00	783,00	1900	6,440	M02
• 23028 EMKW33C3	140	210	53			568,00	783,00	1900	6,240	M03
• 23030 EAW33	150	225	56			628,00	893,00	1800	7,620	M60
• 23030 EAW33C3	150	225	56			628,00	893,00	1800	7,620	M60
• 23030 EAW33C4	150	225	56			628,00	893,00	1800	7,750	M60
• 23030 EAKW33	150	225	56			628,00	893,00	1800	7,750	M41
• 23030 EAKW33C3	150	225	56			628,00	893,00	1800	7,750	M41
• 23030 EMW33	150	225	56			628,00	893,00	1800	7,750	M02
• 23030 EMW33C3	150	225	56			628,00	893,00	1800	7,750	M02
• 23030 EMW33C4	150	225	56			628,00	893,00	1800	7,500	M02
• 23030 EMKW33C3	150	225	56			628,00	893,00	1800	7,500	M03
• 23032 EAW33	160	240	60			711,00	1000,00	1700	9,580	M60
• 23032 EAW33C3	160	240	60			711,00	1000,00	1700	9,580	M60
• 23032 EMW33	160	240	60			711,00	1000,00	1700	9,580	M02
• 23032 EMW33C3	160	240	60			711,00	1000,00	1700	9,580	M02
• 23032 EMW33C4	160	240	60			711,00	1000,00	1700	9,580	M02
• 23032 EMKW33	160	240	60			711,00	1000,00	1700	9,380	M03
• 23032 EMKW33C3	160	240	60			711,00	1000,00	1700	9,380	M03
• 23034 EAW33	170	260	67			869,00	1240,00	1600	13,000	M60
• 23034 EAW33C3	170	260	67			869,00	1240,00	1600	13,000	M60
• 23034 EAW33C4	170	260	67			869,00	1240,00	1600	13,000	M60
• 23034 EAKW33C3	170	260	67			869,00	1240,00	1600	13,000	M41
• 23034 EAKW33C4	170	260	67			869,00	1240,00	1600	13,000	M41
• 23034 EMW33	170	260	67			869,00	1240,00	1600	13,000	M02
• 23034 EMW33C3	170	260	67			869,00	1240,00	1600	13,000	M02
• 23034 EMW33C4	170	260	67			869,00	1240,00	1600	13,000	M02
• 23034 EMKW33	170	260	67			869,00	1240,00	1600	12,800	M03
• 23034 EMKW33C3	170	260	67			869,00	1240,00	1600	12,800	M03
• 23034 EMKW33C4	170	260	67			869,00	1240,00	1600	12,800	M03
• 23036 EAW33	180	280	74			1020,00	1450,00	1400	16,900	M60
• 23036 EAW33C3	180	280	74			1020,00	1450,00	1400	16,900	M60
• 23036 EAW33C4	180	280	74			1020,00	1450,00	1400	16,900	M60
• 23036 EAKW33C3	180	280	74			1020,00	1450,00	1400	16,900	M41
• 23036 EAKW33C4	180	280	74			1020,00	1450,00	1400	16,900	M41
• 23036 EMW33	180	280	74			1020,00	1450,00	1400	16,900	M02
• 23036 EMW33C3	180	280	74			1020,00	1450,00	1400	16,900	M02
• 23036 EMW33C4	180	280	74			1020,00	1450,00	1400	16,562	M03
• 23036 EMKW33C3	180	280	74			1020,00	1450,00	1400	16,533	M03
• 23038 EAW33	190	290	75			1080,00	1570,00	1400	17,470	M60
• 23038 EAW33C3	190	290	75			1080,00	1570,00	1400	17,470	M60
• 23038 EAKW33C3	190	290	75			1080,00	1570,00	1400	17,200	M41
• 23038 EMW33	190	290	75			1080,00	1570,00	1400	17,970	M02
• 23038 EMW33C3	190	290	75			1080,00	1570,00	1400	17,970	M02
• 23038 EMKW33	190	290	75			1080,00	1570,00	1400	17,470	M03
• 23038 EMKW33C3	190	290	75			1080,00	1570,00	1400	17,470	M03
• 23040 EAW33	200	310	82			1250,00	1790,00	1300	22,557	M60
• 23040 EAW33C3	200	310	82			1250,00	1790,00	1300	22,557	M60
• 23040 EAKW33	200	310	82			1250,00	1790,00	1300	21,870	M41
• 23040 EAKW33C3	200	310	82			1250,00	1790,00	1300	21,870	M41
• 23040 EMW33	200	310	82			1250,00	1790,00	1300	24,100	M02
• 23040 EMW33C3	200	310	82			1250,00	1790,00	1300	24,100	M02
• 23040 EMKW33C3	200	310	82			1250,00	1790,00	1300	23,800	M03
• 23040 EMKW33C4	200	310	82			1250,00	1790,00	1300	23,800	M03
• 23044 EMW33	220	340	90			1450,00	2110,00	1200	31,800	M02
• 23044 EMW33C3	220	340	90			1450,00	2110,00	1200	31,800	M02
• 23044 EMKW33	220	340	90			1450,00	2110,00	1200	31,450	M03
• 23044 EMKW33C3	220	340	90			1450,00	2110,00	1200	31,450	M03



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.



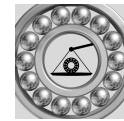
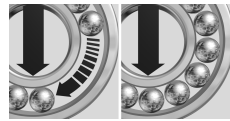
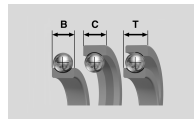
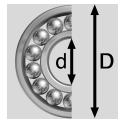
23044 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
• 23044 EMKW33C4	220	340	90			1450,00	2110,00	1200	31,450	M03
23048 VMW33	240	360	92			1090,00	2050,00	1000	33,900	N60
23048 VMW33C3	240	360	92			1090,00	2050,00	1000	33,980	N60
23048 VMKW33C3	240	360	92			1090,00	2050,00	1000	32,700	N41
23048 VMKW33C4	240	360	92			1090,00	2050,00	1000	33,900	N41
23052 VMW33	260	400	104			1490,00	2430,00	950	47,700	N60
23052 VMW33C3	260	400	104			1490,00	2430,00	950	47,700	N60
23052 VMKW33C3	260	400	104			1490,00	2430,00	950	45,800	N41
23056 VMW33	280	420	106			1500,00	2850,00	900	54,950	N60
23056 VMW33C3	280	420	106			1500,00	2850,00	900	54,950	N60
23056 VMKW33C3	280	420	106			1500,00	2850,00	900	53,310	N41
23060 VMW33	300	460	118			1820,00	3350,00	800	75,270	N60
23060 VMW33C3	300	460	118			1820,00	3350,00	800	75,270	N60
23060 VMKW33C3	300	460	118			1820,00	3350,00	800	73,100	N41
23064 VMW33	320	480	121			1920,00	3600,00	750	79,500	N60
23064 VMW33C3	320	480	121			1920,00	3600,00	750	79,500	N60
23064 VMKW33C3	320	480	121			1920,00	3600,00	750	79,100	N41
23068 VMW33	340	520	133			2270,00	4200,00	700	109,000	N60
23068 VMW33C3	340	520	133			2270,00	4200,00	700	109,000	N60
23068 VMKW33C3	340	520	133			2270,00	4200,00	700	105,000	N41
23072 VMW33	360	540	134			2390,00	4550,00	700	114,500	N60
23072 VMW33C3	360	540	134			2390,00	4550,00	700	114,000	N60
23072 VMKW33C3	360	540	134			2390,00	4550,00	700	110,700	N41
23076 VMW33	380	560	135			2420,00	4700,00	670	119,800	N60
23076 VMW33C3	380	560	135			2420,00	4700,00	670	119,800	N60
23076 VMKW33C3	380	560	135			2420,00	4700,00	670	116,200	N41
23080 VMW33	400	600	148			2926,00	5648,00	600	156,000	N60
23080 VMW33C3	400	600	148			2926,00	5648,00	600	156,000	N60
23080 VMW33C4	400	600	148			2926,00	5648,00	600	156,000	N60
23080 VMKW33C3	400	600	148			2926,00	5648,00	600	155,000	N41
• 23120 EAW33	100	165	52			448,00	575,00	2200	4,400	M60
• 23120 EAW33C3	100	165	52			448,00	575,00	2200	4,400	M60
• 23120 EAKW33	100	165	52			448,00	575,00	2200	4,400	M41
• 23120 EAKW33C3	100	165	52			448,00	575,00	2200	4,400	M41
• 23120 EG15W33	100	165	52			448,00	575,00	2200	4,258	M60
• 23120 EG15W33C3	100	165	52			448,00	575,00	2200	4,258	M60
• 23120 EG15KW33C3	100	165	52			448,00	575,00	2200	4,098	M41
• 23120 EMW33	100	165	52			448,00	575,00	2200	5,000	M02
• 23120 EMW33C4	100	165	52			448,00	575,00	2200	5,000	M02
• 23120 EMKW33	100	165	52			448,00	575,00	2100	4,400	M03
• 23120 EMKW33C3	100	165	52			448,00	575,00	2100	4,400	M03
• 23122 EAW33	110	180	56			521,00	669,00	2000	5,480	M60
• 23122 EAW33C3	110	180	56			521,00	669,00	2000	5,480	M60
• 23122 EAW33C4	110	180	56			521,00	669,00	2000	5,480	M60
• 23122 EAKW33	110	180	56			521,00	669,00	2000	5,310	M41
• 23122 EAKW33C3	110	180	56			521,00	669,00	2000	5,310	M41
• 23122 EMW33	110	180	56			521,00	669,00	2000	5,510	M02
• 23122 EMW33C3	110	180	56			521,00	669,00	2000	5,510	M02
• 23122 EMW33C4	110	180	56			521,00	669,00	2000	5,510	M02
• 23122 EMKW33	110	180	56			521,00	669,00	2000	5,340	M03
• 23122 EMKW33C3	110	180	56			521,00	669,00	2000	5,340	M03
23122 VKW33C3	110	180	56			345,00	540,00	1800	5,220	N41
• 23124 EAW33	120	200	62			630,00	820,00	1800	7,670	M60
• 23124 EAW33C3	120	200	62			630,00	820,00	1800	7,670	M60

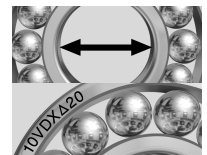


23124 →



d D B C T C Co tr/mn kg
x1000 Newtons

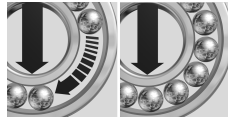
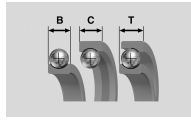
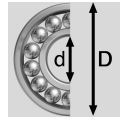
• 23124 EAW33C4	120	200	62			630,00	820,00	1800	7,760	M60
• 23124 EAKW33	120	200	62			630,00	820,00	1800	7,440	M41
• 23124 EAKW33C3	120	200	62			630,00	820,00	1800	7,440	M41
• 23124 EMW33	120	200	62			630,00	820,00	1800	7,760	M02
• 23124 EMW33C3	120	200	62			630,00	820,00	1800	7,760	M02
• 23124 EMKW33	120	200	62			630,00	820,00	1800	7,530	M03
• 23124 EMKW33C3	120	200	62			630,00	820,00	1800	7,530	M03
• 23126 EAW33	130	210	64			675,00	906,00	1700	8,400	M60
• 23126 EAW33C3	130	210	64			675,00	906,00	1700	8,400	M60
• 23126 EAW33C4	130	210	64			675,00	906,00	1700	8,400	M60
• 23126 EAKW33	130	210	64			675,00	906,00	1700	8,300	M41
• 23126 EAKW33C3	130	210	64			675,00	906,00	1700	8,300	M41
• 23126 EMW33	130	210	64			675,00	906,00	1700	8,500	M02
• 23126 EMW33C3	130	210	64			675,00	906,00	1700	8,500	M02
• 23126 EMW33C4	130	210	64			675,00	906,00	1700	8,500	M02
• 23126 EMKW33C3	130	210	64			675,00	906,00	1700	8,230	M03
• 23128 EAW33	140	225	68			763,00	1030,00	1600	10,900	M02
• 23128 EAW33C4	140	225	68			763,00	1030,00	1600	10,900	M60
• 23128 EAKW33	140	225	68			763,00	1030,00	1600	10,770	M41
• 23128 EAKW33C3	140	225	68			763,00	1030,00	1600	10,770	M41
• 23128 EMW33	140	225	68			763,00	1030,00	1600	11,300	M02
• 23128 EMW33C3	140	225	68			763,00	1030,00	1600	11,300	M02
• 23128 EMW33C4	140	225	68			763,00	1030,00	1600	11,300	M02
• 23128 EMKW33	140	225	68			763,00	1030,00	1600	10,900	M03
• 23128 EMKW33C3	140	225	68			763,00	1030,00	1600	11,100	M03
• 23130 EAW33	150	250	80			1010,00	1350,00	1400	15,720	M60
• 23130 EAW33C3	150	250	80			1010,00	1350,00	1400	15,720	M60
• 23130 EAKW33	150	250	80			1010,00	1350,00	1400	15,720	M41
• 23130 EAKW33C3	150	250	80			1010,00	1350,00	1400	15,720	M41
• 23130 EMW33	150	250	80			1010,00	1350,00	1400	15,720	M02
• 23130 EMW33C3	150	250	80			1010,00	1350,00	1400	15,720	M02
• 23130 EMW33C4	150	250	80			1010,00	1350,00	1400	15,720	M02
• 23130 EMKW33C3	150	250	80			1010,00	1350,00	1400	15,230	M03
• 23130 EMKW33C4	150	250	80			1010,00	1350,00	1400	15,720	M03
• 23132 EAW33	160	270	86			1160,00	1580,00	1300	20,120	M60
• 23132 EAW33C3	160	270	86			1160,00	1580,00	1300	20,120	M60
• 23132 EAKW33	160	270	86			1160,00	1580,00	1300	20,120	M41
• 23132 EAKW33C3	160	270	86			1160,00	1580,00	1300	20,120	M41
• 23132 EMW33	160	270	86			1160,00	1580,00	1300	20,120	M02
• 23132 EMW33C3	160	270	86			1160,00	1580,00	1300	20,120	M02
• 23132 EMW33C4	160	270	86			1160,00	1580,00	1300	20,120	M02
• 23132 EMW33C5	160	270	86			1160,00	1580,00	1300	20,120	M02
• 23132 EMKW33	160	270	86			1160,00	1580,00	1300	19,530	M03
• 23132 EMKW33C3	160	270	86			1160,00	1580,00	1300	19,530	M03
• 23134 EAW33	170	280	88			1200,00	1700,00	1300	21,550	M60
• 23134 EAW33C3	170	280	88			1200,00	1700,00	1300	21,550	M60
• 23134 EAKW33	170	280	88			1200,00	1700,00	1300	21,550	M41
• 23134 EAKW33C3	170	280	88			1200,00	1700,00	1300	21,550	M41
• 23134 EMW33	170	280	88			1200,00	1700,00	1300	21,550	M02
• 23134 EMW33C3	170	280	88			1200,00	1700,00	1300	21,550	M02
• 23134 EMKW33	170	280	88			1200,00	1700,00	1300	20,890	M03
• 23134 EMKW33C3	170	280	88			1200,00	1700,00	1300	20,890	M03
• 23136 EAW33	180	300	96			1420,00	1960,00	1200	27,210	M60
• 23136 EAW33C3	180	300	96			1420,00	1960,00	1200	27,210	M60
• 23136 EAKW33	180	300	96			1420,00	1960,00	1200	27,210	M41
• 23136 EAKW33C3	180	300	96			1420,00	1960,00	1200	27,210	M41
• 23136 EMW33	180	300	96			1420,00	1960,00	1200	27,210	M02
• 23136 EMW33C3	180	300	96			1420,00	1960,00	1200	27,210	M02
• 23136 EMW33C4	180	300	96			1420,00	1960,00	1200	27,302	M03
• 23136 EMW33C5	180	300	96			1420,00	1960,00	1200	27,302	M03



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.



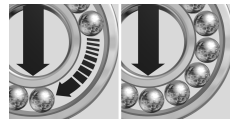
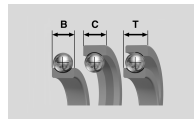
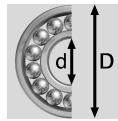
23136 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
• 23136 EMKW33	180	300	96			1420,00	1960,00	1200	26,380	M03
• 23136 EMKW33C3	180	300	96			1420,00	1960,00	1200	26,380	M03
23138 VMW33	190	320	104			1160,00	1890,00	1000	35,300	N60
23138 VMW33C3	190	320	104			1180,00	1950,00	1000	34,500	N60
23138 VMKW33C3	190	320	104			1180,00	1950,00	1000	33,500	N41
23138 VMKW33C4	190	320	104			1180,00	1950,00	1000	33,500	N41
23140 VMW33	200	340	112			1290,00	2120,00	950	42,500	N60
23140 VMW33C3	200	340	112			1290,00	2120,00	950	42,500	N60
23140 VMKW33C3	200	340	112			1290,00	2120,00	950	41,400	N41
23140 VMKW33C4	200	340	112			1290,00	2120,00	950	41,400	N41
23144 VMW33	220	370	120			1540,00	2600,00	900	53,000	N60
23144 VMW33C3	220	370	120			1540,00	2600,00	900	53,000	N60
23144 VMKW33	220	370	120			1540,00	2600,00	900	51,800	N41
23144 VMKW33C3	220	370	120			1540,00	2600,00	900	51,800	N41
23144 VMKW33C4	220	370	120			1540,00	2600,00	900	51,800	N41
23148 VMW33C3	240	400	128			1720,00	2950,00	800	67,200	N60
23148 VMKW33C3	240	400	128			1720,00	2950,00	800	65,500	N41
23148 VMKW33C4	240	400	128			1720,00	2950,00	800	65,500	N41
23152 VMW33C3	260	440	144			2140,00	3750,00	750	93,400	N60
23152 VMKW33C3	260	440	144			2140,00	3750,00	750	91,600	N41
23156 VMW33	280	460	146			2240,00	4050,00	700	100,000	N60
23156 VMW33C3	280	460	146			2240,00	4050,00	700	100,000	N60
23156 VMKW33C3	280	460	146			2240,00	4050,00	700	98,000	N41
23160 VMW33C3	300	500	160			2632,00	4645,00	660	134,000	N60
23160 VMKW33C3	300	500	160			2632,00	4645,00	670	129,700	N41
23164 VMW33C3	320	540	176			3050,00	5500,00	620	171,000	N60
23164 VMKW33C3	320	540	176			3050,00	5500,00	620	168,500	N41
23168 VMW33	340	580	190			3500,00	6100,00	580	208,600	N60
23168 VMW33C3	340	580	190			3500,00	6100,00	580	208,600	N60
23168 VMKW33	340	580	190			3500,00	6100,00	580	202,200	N41
23168 VMKW33C3	340	580	190			3500,00	6100,00	580	202,200	N41
23172 VMW33C4	360	600	192			3681,00	6683,00	560	231,600	N60
23172 VMKW33	360	600	192			3681,00	6683,00	560	223,800	N41
• 23218 EAW33	90	160	52,4			445,00	513,00	2200	4,430	M60
• 23218 EAW33C3	90	160	52,4			445,00	513,00	2200	4,430	M60
• 23218 EAW33C4	90	160	52,4			445,00	513,00	2200	4,430	M60
• 23218 EAKW33	90	160	52,4			445,00	513,00	2200	4,210	M41
• 23218 EAKW33C3	90	160	52,4			445,00	513,00	2200	4,210	M41
• 23218 EMW33	90	160	52,4			445,00	513,00	2200	4,420	M02
• 23218 EMW33C3	90	160	52,4			445,00	513,00	2200	4,420	M02
• 23218 EMKW33	90	160	52,4			445,00	513,00	2200	4,270	M03
• 23218 EMKW33C3	90	160	52,4			445,00	513,00	2200	4,210	M03
• 23220 EAW33	100	180	60,3			558,00	661,00	1900	6,400	M60
• 23220 EAW33C3	100	180	60,3			558,00	661,00	1900	6,400	M60
• 23220 EAW33C4	100	180	60,3			558,00	661,00	1900	6,400	M60
• 23220 EAKW33	100	180	60,3			558,00	661,00	1900	6,220	M41
• 23220 EAKW33C3	100	180	60,3			558,00	661,00	1900	6,220	M41
• 23220 EMW33C3	100	180	60,3			558,00	661,00	1900	6,530	M02
• 23220 EMKW33	100	180	60,3			558,00	661,00	1900	6,450	M03
• 23220 EMKW33C3	100	180	60,3			558,00	661,00	1900	6,450	M03
• 23222 EAW33	110	200	69,8			716,00	869,00	1700	9,250	M60
• 23222 EAW33C3	110	200	69,8			716,00	869,00	1700	9,250	M60
• 23222 EAKW33	110	200	69,8			716,00	869,00	1700	8,990	M41

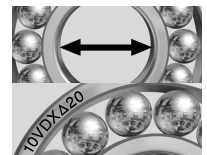


23222 →



d D B C T C Co tr/mn kg
x1000 Newtons

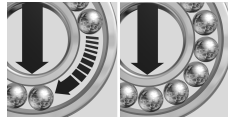
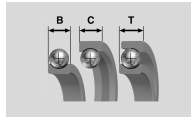
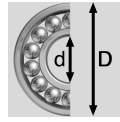
• 23222 EAKW33C3	110	200	69,8			716,00	869,00	1700	8,990	M41
• 23222 EAKW33C4	110	200	69,8			716,00	869,00	1700	9,250	M41
• 23222 EMW33	110	200	69,8			716,00	869,00	1700	9,390	M02
• 23222 EMW33C3	110	200	69,8			716,00	869,00	1700	9,390	M02
• 23222 EMW33C4	110	200	69,8			716,00	869,00	1700	9,390	M02
• 23222 EMKW33	110	200	69,8			716,00	869,00	1700	9,130	M03
• 23222 EMKW33C3	110	200	69,8			716,00	869,00	1700	9,130	M03
• 23224 EMW33	120	215	76			815,00	998,00	1600	11,624	M02
• 23224 EMW33C3	120	215	76			815,00	998,00	1600	11,624	M02
• 23224 EMKW33	120	215	76			815,00	998,00	1600	11,275	M03
• 23224 EMKW33C3	120	215	76			815,00	998,00	1600	11,275	M03
• 23226 EMW33	130	230	80			912,00	1130,00	1500	13,770	M02
• 23226 EMW33C3	130	230	80			912,00	1130,00	1500	13,770	M02
• 23226 EMKW33	130	230	80			912,00	1130,00	1500	13,380	M03
• 23226 EMKW33C3	130	230	80			912,00	1130,00	1500	13,380	M03
• 23228 EMW33	140	250	88			1090,00	1370,00	1400	18,215	M02
• 23228 EMW33C3	140	250	88			1090,00	1370,00	1400	18,215	M02
• 23228 EMKW33	140	250	88			1090,00	1370,00	1400	18,400	M03
• 23228 EMKW33C3	140	250	88			1090,00	1370,00	1400	17,660	M03
• 23228 EMKW33C4	140	250	88			1090,00	1370,00	1400	18,400	M03
• 23230 EMW33	150	270	96			1280,00	1620,00	1300	23,520	M02
• 23230 EMW33C3	150	270	96			1280,00	1620,00	1300	23,520	M02
• 23230 EMKW33C3	150	270	96			1280,00	1620,00	1300	22,800	M03
• 23232 EMW33	160	290	104			1470,00	1890,00	1200	29,580	M02
• 23232 EMW33C3	160	290	104			1470,00	1890,00	1200	29,580	M02
• 23232 EMW33C4	160	290	104			1470,00	1890,00	1200	29,580	M02
• 23232 EMKW33	160	290	104			1470,00	1890,00	1200	28,710	M03
• 23232 EMKW33C3	160	290	104			1470,00	1890,00	1200	28,710	M03
23234 VMW33	170	310	110			1210,00	1830,00	1100	37,000	N60
23234 VMW33C3	170	310	110			1210,00	1830,00	1000	37,000	N60
23234 VMKW33C3	170	310	110			1210,00	1830,00	1000	36,100	N41
23234 VMKW33C4	170	310	110			1210,00	1830,00	1000	36,100	N41
23236 VMW33	180	320	112			1290,00	2050,00	1000	39,800	N60
23236 VMW33C3	180	320	112			1290,00	2050,00	1000	39,800	N60
23236 VMKW33C3	180	320	112			1290,00	2050,00	1000	39,600	N41
23238 VMW33	190	340	120			1480,00	2370,00	950	48,500	N60
23238 VMW33C3	190	340	120			1480,00	2370,00	950	48,500	N60
23238 VMKW33C3	190	340	120			1480,00	2370,00	950	47,400	N41
23240 VMW33	200	360	128			1630,00	2700,00	900	58,400	N60
23240 VMW33C3	200	360	128			1630,00	2700,00	900	58,400	N60
23240 VMKW33C3	200	360	128			1630,00	2700,00	900	58,100	N41
• 23244 EMW33	220	400	144			2750,00	3830,00	850	79,428	M02
• 23244 EMW33C3	220	400	144			2750,00	3830,00	850	77,200	M02
• 23244 EMKW33	220	400	144			2750,00	3830,00	850	74,800	M03
• 23244 EMKW33C3	220	400	144			2750,00	3830,00	850	74,800	M03
23248 VMW33	240	440	160			2420,00	3950,00	750	113,180	N60
23248 VMW33C3	240	440	160			2420,00	3950,00	750	113,180	N60
23248 VMKW33C3	240	440	160			2420,00	3950,00	750	112,000	N41
23252 VMW33	260	480	174			2700,00	4450,00	690	147,000	N60
23252 VMW33C3	260	480	174			2700,00	4450,00	690	147,000	N60
23252 VMKW33C3	260	480	174			2700,00	4450,00	690	142,000	N41
23256 VMW33	280	500	176			2900,00	4900,00	650	157,200	N60
23256 VMW33C3	280	500	176			2900,00	4900,00	650	157,200	N60



(ES) Referencias en itálica: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in corsivo: consegna fino ad esaurimento delle scorte.
 (BR) Referências em itálico: entrega até se esgotarem os estoques.



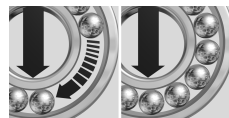
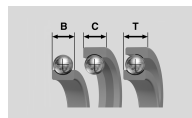
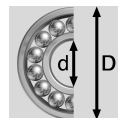
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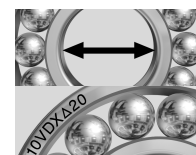
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
23256 VMKW33	280	500	176			2900,00	4900,00	650	152,000	N41
23256 VMKW33C3	280	500	176			2900,00	4900,00	650	152,300	N41
23260 VMW33	300	540	192			3350,00	5600,00	610	200,000	N60
23260 VMW33C3	300	540	192			3350,00	5600,00	610	200,000	N60
23260 VMKW33C3	300	540	192			3350,00	5600,00	610	195,000	N41
23940 VMW33	200	280	60			620,00	1000,00	1300	12,200	N60
23944 VMW33C3	220	300	60			678,00	1150,00	950	12,300	N60
• 24020 EAW33	100	150	50			325,00	425,00	1900	2,690	M04
• 24024 EAW33	120	180	60			465,00	640,00	1700	5,200	M04
• 24024 EAW33C3	120	180	60			465,00	640,00	1700	5,200	M04
• 24024 EAW33C4	120	180	60			465,00	640,00	1700	5,200	M04
• 24024 EAK30W33C3	120	180	60			465,00	640,00	1700	5,000	M05
• <i>24024 VMW33</i>	120	180	60			465,00	640,00	1700	4,867	M02
• 24024 VMW33C3	120	180	60			465,00	640,00	1700	4,667	M02
• 24024 VMK30W33C3	120	180	60			465,00	640,00	1700	4,467	M03
• 24026 EAW33	130	200	69			590,00	795,00	1500	7,740	M04
• 24026 EAW33C3	130	200	69			590,00	795,00	1500	7,740	M04
• 24026 EAK30W33C3	130	200	69			590,00	795,00	1500	7,500	M05
• 24026 EAK30W33C4	130	200	69			590,00	795,00	1500	7,740	M05
• 24028 EAW33	140	210	69			625,00	900,00	1400	9,090	M04
• 24028 EAW33C3	140	210	69			625,00	900,00	1400	9,090	M04
• 24028 EAW33C4	140	210	69			625,00	900,00	1400	9,090	M04
• 24028 EAK30W33	140	210	69			625,00	900,00	1400	8,800	M05
• 24028 EAK30W33C3	140	210	69			625,00	900,00	1400	8,800	M05
• 24028 EAK30W33C4	140	210	69			625,00	900,00	1400	8,800	M05
• 24030 EAW33	150	225	75			715,00	1000,00	1300	10,200	M04
• 24030 EAW33C3	150	225	75			715,00	1000,00	1300	10,200	M04
• 24030 EAW33C4	150	225	75			715,00	1000,00	1300	10,200	M04
• 24030 EAK30W33C3	150	225	75			715,00	1000,00	1300	9,350	M05
• 24030 EAK30W33C4	150	225	75			715,00	1000,00	1300	10,200	M05
• 24032 EAW33	160	240	80			785,00	1090,00	1200	12,300	M04
• 24032 EAW33C3	160	240	80			785,00	1090,00	1200	12,300	M04
• 24032 EAW33C4	160	240	80			785,00	1090,00	1200	12,300	M04
• 24032 EAW33C5	160	240	80			785,00	1090,00	1200	12,300	M04
• 24032 EAK30W33	160	240	80			785,00	1090,00	1200	12,000	M05
• 24032 EAK30W33C3	160	240	80			785,00	1090,00	1200	12,000	M05
• 24032 EAK30W33C4	160	240	80			785,00	1090,00	1200	12,000	M05
• 24034 EAW33	170	260	90			1010,00	1430,00	1100	17,800	M04
• 24034 EAW33C3	170	260	90			1010,00	1430,00	1100	17,800	M04
• 24036 EAW33	180	280	100			1170,00	1700,00	1000	22,900	M04
• 24036 EAW33C3	180	280	100			1170,00	1700,00	1000	22,900	M04
• 24036 EAW33C4	180	280	100			1170,00	1700,00	1000	22,900	M04
• 24036 EAW33C5	180	280	100			1170,00	1700,00	1000	22,900	M04
• <i>24036 EAW34C4</i>	180	280	100			1170,00	1700,00	1000	22,900	M04
• 24036 EAK30W33	180	280	100			1170,00	1700,00	1000	22,000	M05
• 24036 EAK30W33C3	180	280	100			1170,00	1700,00	1000	22,000	M05
• 24038 EMW33	190	290	100			1240,00	1800,00	1000	22,530	M02
• 24038 EMW33C3	190	290	100			1240,00	1800,00	1000	22,530	M02
• 24038 EMK30W33	190	290	100			1240,00	1800,00	1000	22,240	M03
• 24038 EMK30W33C3	190	290	100			1240,00	1800,00	1000	22,240	M03
• 24040 EMW33	200	310	109			1440,00	2120,00	950	29,200	M02
• 24040 EMW33C3	200	310	109			1440,00	2120,00	950	29,200	M02
• 24040 EMK30W33	200	310	109			1440,00	2120,00	950	29,710	M03
• 24040 EMK30W33C3	200	310	109			1440,00	2120,00	950	31,400	M03



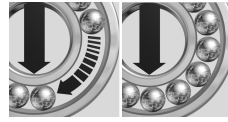
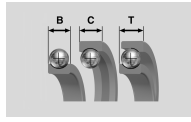
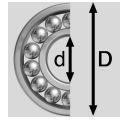
24044 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
24044 VMW33	220	340	118			1400,00	2700,00	850	39,500	M02
24044 VMW33C3	220	340	118			1400,00	2700,00	850	39,500	M02
24044 VMK30W33C3	220	340	118			1400,00	2700,00	850	38,200	M03
24048 VMW33	240	360	118			1500,00	2900,00	800	43,600	M02
24048 VMW33C3	240	360	118			1500,00	2900,00	800	43,600	M02
24048 VMK30W33C3	240	360	118			1500,00	2900,00	800	41,500	M03
24052 VMW33	260	400	140			1900,00	3800,00	750	67,200	M02
24052 VMW33C3	260	400	140			1900,00	3800,00	750	67,200	M02
24056 VMW33	280	420	140			2000,00	4000,00	700	70,500	M02
24056 VMW33C3	280	420	140			2000,00	4000,00	700	70,500	M02
24060 VMW33	300	460	160			2500,00	5200,00	650	102,000	M02
24060 VMW33C3	300	460	160			2500,00	5200,00	650	102,000	M02
24060 VMK30W33C3	300	460	160			2500,00	5200,00	650	99,400	M03
• 24122 EAW33	110	180	69			530,00	675,00	1000	6,850	M04
• 24122 EAW33C3	110	180	69			530,00	675,00	1000	6,850	M04
• 24122 EAW33C4	110	180	69			530,00	675,00	1000	6,850	M04
• 24124 EAW33	120	200	80			695,00	925,00	950	10,000	M04
• 24124 EAW33C3	120	200	80			695,00	925,00	950	10,000	M04
• 24124 EAW33C4	120	200	80			695,00	925,00	950	10,000	M04
• 24124 EAK30W33C3	120	200	80			695,00	925,00	950	9,700	M05
• 24126 EAW33	130	210	80			720,00	965,00	850	11,800	M04
• 24126 EAW33C3	130	210	80			720,00	965,00	850	11,800	M04
• 24126 EAW33C4	130	210	80			720,00	965,00	850	11,800	M04
• 24126 EAK30W33	130	210	80			720,00	965,00	850	11,400	M05
• 24126 EAK30W33C3	130	210	80			720,00	965,00	850	11,400	M05
• 24128 EAW33	140	225	85			830,00	1120,00	800	13,000	M04
• 24128 EAW33C3	140	225	85			830,00	1120,00	800	13,000	M04
• 24128 EAW33C4	140	225	85			830,00	1120,00	800	13,000	M04
• 24128 EAK30W33C3	140	225	85			830,00	1120,00	800	12,500	M05
• 24130 EAW33	150	250	100			1070,00	1400,00	850	19,900	M04
• 24130 EAW33C3	150	250	100			1070,00	1400,00	850	19,900	M04
• 24130 EAW33C4	150	250	100			1070,00	1400,00	850	19,900	M04
• 24130 EAK30W33C4	150	250	100			1070,00	1400,00	850	19,600	M05
• 24132 EAW33	160	270	109			1260,00	1740,00	800	25,600	M04
• 24132 EAW33C3	160	270	109			1260,00	1740,00	800	25,600	M04
• 24132 EAW33C4	160	270	109			1260,00	1740,00	800	25,600	M04
• 24132 EAK30W33C3	160	270	109			1260,00	1740,00	800	25,000	M05
• 24134 EAW33	170	280	109			1310,00	1840,00	650	26,600	M04
• 24134 EAW33C3	170	280	109			1310,00	1840,00	650	26,600	M04
• 24134 EAK30W33C3	170	280	109			1310,00	1840,00	650	25,900	M05
• 24136 EAW33C3	180	300	118			1470,00	2050,00	600	33,900	M04
• 24136 EAW33C4	180	300	118			1470,00	2050,00	600	33,900	M04
• 24138 EAW33C3	190	320	128			1760,00	2480,00	550	42,100	M04
• 24138 EAW33C4	190	320	128			1760,00	2480,00	580	42,100	M04
• 24138 EAK30W33C3	190	320	128			1760,00	2480,00	550	41,000	M05
• 24140 EMW33	200	340	140			2030,00	2930,00	550	51,300	M02
• 24140 EMW33C3	200	340	140			2030,00	2930,00	550	51,300	M02
• 24140 EMW33C4	200	340	140			2030,00	2930,00	550	51,300	M02
• 24140 EMK30W33	200	340	140			2030,00	2930,00	550	52,600	M05
• 24140 EMK30W33C3	200	340	140			2030,00	2930,00	550	52,600	M05

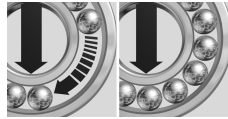
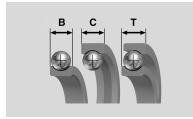
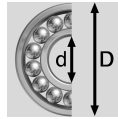


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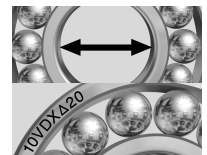


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
24144 VW33	220	370	150			1900,00	3450,00	500	65,600	M04
24144 VW33C3	220	370	150			1900,00	3450,00	500	65,600	M04
24144 VK30W33C3	220	370	150			1900,00	3450,00	500	65,600	M05
24148 VW33	240	400	160			2120,00	3900,00	460	80,700	M04
<i>24148 VW33C2</i>	240	400	160			2120,00	3900,00	460	80,700	M04
24148 VW33C3	240	400	160			2120,00	3900,00	460	80,700	M04
24148 VK30W33C2	240	400	160			2120,00	3900,00	460	80,700	M05
24148 VK30W33C3	240	400	160			2120,00	3900,00	460	80,700	M05
24152 VW33C3	260	440	180			2700,00	5100,00	420	114,000	M04
24152 VK30W33	260	440	180			2700,00	5100,00	420	112,000	M05
<i>24156 VW33C2</i>	280	460	180			2700,00	5200,00	400	119,000	M04
24156 VW33C3	280	460	180			2700,00	5200,00	400	119,000	M04
24160 VW33C3	300	500	200			3250,00	6300,00	370	159,000	M04
24160 VK30W33	300	500	200			3250,00	6300,00	370	158,000	M05
24160 VK30W33C3	300	500	200			3250,00	6300,00	370	158,000	M05
24168 VW33C3	340	580	243			4400,00	8500,00	320	266,000	M04
29320 E	100	170		42		445,00	1390,00	2100	3,650	Q01
29322	110	190		48		475,00	1520,00	1900	5,480	Q01
29324	120	210		54		600,00	1960,00	1700	7,580	Q01
29326	130	225		58		680,00	2230,00	1600	9,300	Q01
29328	140	240		60		750,00	2500,00	1500	11,000	Q01
29330	150	250		60		770,00	2650,00	1400	11,500	Q01
29332	160	270		67		890,00	3050,00	1300	15,200	Q01
29334	170	280		67		910,00	3200,00	1300	16,000	Q01
29336	180	300		73		990,00	3500,00	1200	20,300	Q01
29338 E	190	320		78		1437,00	4835,00	1100	23,300	Q01
29340 E	200	340		85		1621,00	5475,00	1000	29,000	Q01
29344 E	220	360		85		1744,00	6298,00	980	31,600	Q01
29348 E	240	380		85		1786,00	6487,00	910	33,400	Q01
29352 E	260	420		95		2238,00	8305,00	830	46,900	Q01
29356 E	280	440		95		2211,00	8486,00	780	49,500	Q01
29360 E	300	480		109		2650,00	11000,00	730	68,700	Q01
29364 E	320	500		109		2850,00	10923,00	690	72,100	Q01
29412	60	130		42		315,00	860,00	2600	2,650	Q01
29413	65	140		45		370,00	1030,00	2400	3,300	Q01
29414	70	150		48		405,00	1140,00	2300	4,000	Q01
29415	75	160		51		465,00	1320,00	2100	4,870	Q01
29416	80	170		54		510,00	1450,00	2000	5,840	Q01
29417	85	180		58		570,00	1660,00	1800	6,950	Q01
29418	90	190		60		650,00	1900,00	1800	8,080	Q01
29420	100	210		67		770,00	2300,00	1600	11,000	Q01
29422	110	230		73		900,00	2750,00	1400	14,500	Q01
29424	120	250		78		1030,00	3150,00	1300	18,100	Q01
29426	130	270		85		1190,00	3700,00	1200	22,500	Q01
29428	140	280		85		1240,00	3950,00	1200	24,200	Q01
29430	150	300		90		1410,00	4550,00	1100	29,400	Q01
29432	160	320		95		1510,00	5000,00	1000	37,300	Q01
29434	170	340		103		1670,00	5500,00	950	43,700	Q01

29436 →



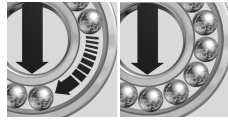
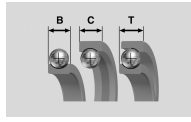
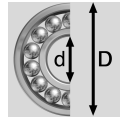
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
29436	180	360			109	1870,00	6300,00	900	52,000	Q01
29438	190	380			115	2030,00	6900,00	850	63,100	Q01
29440	200	400			122	2280,00	7800,00	800	69,000	Q01
29444	220	420			122	2350,00	8300,00	750	74,000	Q01
29448	240	440			122	2420,00	8700,00	700	83,000	Q01
29452	260	480			132	2850,00	10300,00	660	105,000	Q01
29456 E	280	520			145	4472,00	15751,00	620	127,000	Q01
29460 E	300	540			145	4512,00	16458,00	580	133,000	Q01
29464 E	320	580			155	5005,00	21200,00	540	164,000	Q01
LM29749/710	38,1	65,09	18,29	13,97	18,03	43,50	55,00	7400	0,238	K01
30202 A	15	35	11	10	11,75	15,40	13,50	15000	0,053	K01
30203 A	17	40	12	11	13,25	20,80	19,00	9700	0,076	K01
30204 A	20	47	14	12	15,25	30,50	31,00	8000	0,125	K01
10R 30205 A	25	52	16,25	13	16,25	35,50	39,00	7200	0,152	K01
30205 A	25	52	15	13	16,25	35,50	39,00	7100	0,154	K01
30206 A	30	62	16	14	17,25	46,00	48,50	6000	0,238	K01
10Q 30207 A	37	72	17	15	18,25	58,00	62,00	5100	0,314	K01
10X 30207 AN	35	85	17	18,25	18,25	58,00	62,00	5100	0,558	K61
30207 A	35	72	17	15	18,25	58,00	62,00	5100	0,328	K01
30207 ADF	35	72	34	36,5		90,00	74,00		0,665	T91
30207 ANR	35	72	17	15	18,25	58,00	62,00	5100	0,336	K62
30207 AUA	35	72	17	15	18,25	58,00	62,00	5100	0,328	K01
30208 A	40	80	18	16	19,75	62,00	66,00	6300	0,422	K01
30209 C	45	85	19	16	20,75	67,00	74,00	4200	0,463	K01
30209 CNR	45	85	19	16	20,75	67,00	74,00	4200	0,473	K62
14X 30210 C	52	90	20	17	21,75	76,00	89,00	3900	0,503	K01
30210 C	50	90	20	17	21,75	76,00	89,00	3100	0,527	K01
30211 A	55	100	21	18	22,75	95,00	110,00	3600	0,732	K01
30211 C	55	100	21	18	22,75	94,00	108,00	3600	0,698	K01
10R 30212 C	60	110	22	19	23,75	99,00	112,00	3300	0,858	K01
30212 A	60	110	22	19	23,75	108,00	126,00	4100	0,967	K01
30213 A	65	120	23	20	24,75	127,00	149,00	4100	1,160	K01
<i>51Y 30214 C</i>	70	125	24	21	26,25	120,00	140,00	2800	1,220	K01
30214 A	70	125	24	21	26,25	139,00	169,00	3900	1,300	K01
30215 A	75	130	25	22	27,25	144,00	177,00	3700	1,390	K01
<i>30215 C</i>	75	130	25	22	27,25	136,00	166,00	2700	1,350	K01
30216 A	80	140	26	22	28,25	160,00	194,00	3500	1,690	K01
30217 A	85	150	28	24	30,5	183,00	224,00	2400	2,160	K01
30218 A	90	160	30	26	32,5	208,00	260,00	2200	2,700	K01
<i>30218 C</i>	90	160	30	26	32,5	194,00	236,00	2200	2,495	K01
<i>30219</i>	95	170	32	27	34,5	193,00	228,00	2100,0	2,8180	K01
30219 A	95	170	32	27	34,5	225,00	280,00	2100	3,160	K01
30220 A	100	180	34	29	37	255,00	325,00	2000	3,700	K01
<i>30220 C</i>	100	180	34	29	37	240,00	295,00	2000	3,523	K01
30221 A	105	190	36	30	39	290,00	370,00	1900	4,500	K01



(ES) Referencias en itálica: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in corsivo: consegna fino ad esaurimento delle scorte.
 (BR) Referências em itálico: entrega até se esgotarem os estoques.



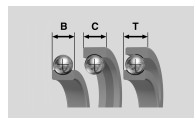
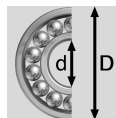
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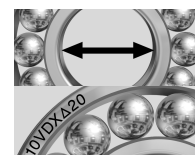
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
30222 A	110	200	38	32	41	325,00	420,00	2400	5,230	K01
30224 A	120	215	40	34	43,5	350,00	465,00	2300	6,270	K01
30226 A	130	230	40	34	43,75	380,00	500,00	2100	7,070	K01
30228 A	140	250	42	36	45,75	440,00	580,00	1400	9,000	K01
30230 A	150	270	45	38	49	500,00	670,00	1200	11,100	K01
<i>30303</i>	17	47	14	12	15,25	24,400	20,400	8500	0,121	K01
30303 A	17	47	14	12	15,25	29,20	26,70	8500	0,121	K01
30304 A	20	52	15	13	16,25	35,00	32,50	7600	0,179	K01
<i>30304 VB22</i>	20	52	15	13	16,25	35,50	33,00	7600	0,165	K01
30305 A	25	62	17	15	18,25	47,50	44,50	8600	0,265	K01
30306 A	30	72	19	16	20,75	59,50	60,00	5400	0,400	K01
<i>30306 C</i>	30	72	19	16	20,75	58,00	56,00	5300	0,367	K01
30307 A	35	80	21	18	22,75	76,00	77,00	4800	0,550	K01
30308 A	40	90	23	20	25,25	90,00	96,00	5800	0,759	K01
30309 A	45	100	25	22	27,25	112,00	127,00	3800	1,030	K01
<i>30309 C</i>	45	100	25	22	27,25	112,00	122,00	3700	0,969	K01
30310 A	50	110	27	23	29,25	136,00	146,00	4700	1,290	K01
<i>30310 C</i>	50	110	27	23	29,25	124,00	134,00	3400	1,220	K01
30311 A	55	120	29	25	31,5	149,00	164,00	4300	1,610	K01
<i>30311 C</i>	55	120	29	25	31,5	148,00	163,00	3100	1,55	K01
30312 A	60	130	31	26	33,5	176,00	198,00	3900	2,030	K01
30313 A	65	140	33	28	36	202,00	229,00	3600	2,520	K01
<i>30313 C</i>	65	140	33	28	36	197,00	222,00	2600	2,422	K01
30314 A	70	150	35	30	38	229,00	260,00	3400	3,050	K01
30315 A	75	160	37	31	40	253,00	300,00	2400	3,700	K01
30316 A	80	170	39	33	42,5	295,00	345,00	3000	4,360	K01
31305 V	25	62	17	13	18,25	39,00	39,50	6000	0,262	K01
31306 A	30	72	19	14	20,75	51,00	53,00	7200	0,395	K01
<i>31306 VC12</i>	30	72	19	14	20,75	52,00	54,00	5000	0,383	K01
31307 A	35	80	21	15	22,75	63,00	67,00	6300	0,526	K01
31308 A	40	90	23	17	25,25	79,00	86,00	5600	0,747	K01
31309 A	45	100	25	18	27,25	94,00	103,00	5100	0,951	K01
<i>31309 VB22</i>	45	100	25	18	27,25	93,00	99,00	3600	0,922	K01
31310 A	50	110	27	19	29,25	116,00	130,00	4600	1,240	K01
31311 A	55	120	29	21	31,5	128,00	142,00	4300	1,580	K01
<i>31311 C</i>	55	120	29	21	31,5	130,00	146,00	3000	1,545	K01
31312 A	60	130	31	22	33,5	155,00	176,00	3900	2,000	K01
<i>31312 VB22</i>	60	130	31	22	33,5	152,00	172,00	2700	1,890	K01
31313 A	65	140	33	23	36	174,00	199,00	3600	2,430	K01
31314 A	70	150	35	25	38	195,00	225,00	3400	2,950	K01
<i>31314 VC12</i>	70	150	35	25	38	193,00	221,00	2400	2,750	K01
10R 32004 VC12UA	20	42	15	12	15	26,50	27,50	8900	0,100	K01



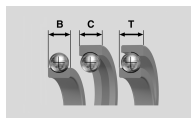
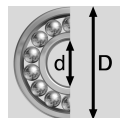
32005 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
10R 32005 VC12UA	25	47	15	11,5	15	28,50	31,50	7600	0,110	K01
32005 VC12	25	47	15	11,5	15	28,50	31,50	7600	0,110	K01
32005 VS01H100	25	47	15	11,5	15	28,50	31,50	7600	0,109	K01
32005 VS02H100	25	47	15	11,5	15	28,50	31,50	7600	0,109	K01
32005 VDBUA	25	47	34,23	27	34,23	49,00	63,00	6100	0,223	T93
32006 C	30	55	17	13	17	38,00	45,00	6400	0,165	K01
32006 CH106	30	55	17	13	17	38,00	44,50	6400	0,165	K01
10R 32007 C	35	62	18	14	18	46,50	56,00	5600	0,219	K01
32007 C	35	62	18	14	18	46,50	56,00	5600	0,219	K01
32007 CH100	35	62	18	14	18	46,50	56,00	5600	0,219	K01
12R 32008 C	40	68	19	14,5	19	53,00	65,00	5000	0,261	K01
32008 C	40	68	19	14,5	19	53,00	65,00	5000	0,265	K01
32008 CS02	40	68	19	14,5	19	53,00	65,00	5000	0,265	K01
32009 VC12	45	75	20	15,5	20	59,00	73,00	4500	0,320	K01
32009 VC12UA	45	75	20	15,5	20	59,00	73,00	4500	0,320	K01
32009 V H106	45	75	20	15,5	20	59,00	73,00	4500	0,318	K01
10R 32010 A	50	80	20	15,5	20	69,00	95,00	4200	0,440	K01
32010 A	50	80	20	15,5	20	69,00	95,00	4200	0,360	K01
32011 A	55	90	23	17,5	23	82,00	117,00	3800	0,592	K01
32012 A	60	95	23	17,5	23	86,00	127,00	3600	0,632	K01
32013 A	65	100	23	17,5	23	90,00	137,00	3300	0,675	K01
32014 A	70	110	25	19	25	109,00	158,00	4200	0,867	K01
32015 A	75	115	25	19	25	116,00	180,00	2900	0,858	K01
32016 A	80	125	29	22	29	149,00	228,00	2700	1,300	K01
32017 A	85	130	29	22	29	151,00	236,00	2600	1,410	K01
32018 A	90	140	32	24	32	171,00	260,00	2400	1,691	K01
32019 A	95	145	32	24	32	179,00	280,00	2300	1,784	K01
32020 A	100	150	32	24	32	182,00	290,00	2200	1,880	K01
32021 A	105	160	35	26	35	210,00	335,00	2100	2,500	K01
32022 A	110	170	38	29	38	250,00	400,00	1900	3,100	K01
32024 A	120	180	38	29	38	260,00	430,00	1800	3,183	K01
32026 A	130	200	45	34	45	340,00	565,00	1600	5,060	K01
32028 A	140	210	45	34	45	350,00	595,00	1600	5,200	K01
32030 A	150	225	48	36	48	395,00	650,00	2000	6,310	K01
32032 A	160	240	51	38	51	445,00	740,00	1900	7,700	K01
32034 A	170	260	57	43	57	540,00	890,00	1800	10,300	K01
32036 A	180	280	64	48	64	650,00	1115,00	1100	14,200	K01
32038 A	190	290	64	48	64	660,00	1150,00	1100	14,800	K01
32040 A	200	310	70	53	70	750,00	1350,00	1000	19,100	K01
32048 A	240	360	76	57	76	940,00	1700,00	1300	26,000	K01
32056 A	280	420	87	65	87	1250,00	2350,00	800	39,500	K01
32064 A	320	480	100	74	100	1560,00	2800,00	1000	59,100	K01
32203 A	17	40	16	14	17,25	31,00	31,00	9300	0,103	K01
32205 BA	25	52	18	15	19,25	41,50	49,00	7200	0,192	K01
32206 BA	30	62	20	17	21,25	55,00	64,00	6000	0,291	K01
32206 BAC15	30	62	20	17	21,25	55,00	64,00	6000	0,291	K01
32206 BAP6X	30	62	20	17	21,25	55,00	64,00	6000	0,292	K01
32206 C	30	62	20	17	21,25	50,00	55,00	5800	0,282	K01
32206 CC15	30	62	20	17	21,25	50,00	55,00	5800	0,282	K01

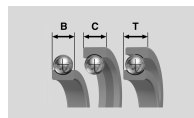
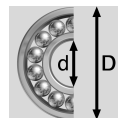


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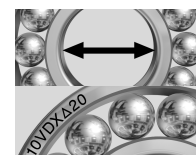


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
12T 32207 B	35	72 / 80	24,25	21	24,25	66,00	81,00	5200	0,493	K64
32207 B	35	72	23	19	24,25	66,00	81,00	5200	0,436	K01
32207 C	35	72	23	19	24,25	70,00	80,00	4900	0,430	K01
<i>10X 32208 C</i>	40	80	34	19	24,75	78,00	88,00	4400	0,545	
32208 C	40	80	23	19	24,75	78,00	88,00	4400	0,508	K01
32208 CT	40	80 / 85	23	19	24,75	78,00	88,00	4400	0,550	K64
10X 32209 BA	40	90	24,75	19	25,25	87,00	104,00	4300	0,758	K61
10X 32209 BAT	40	80 / 92	23	19	25,25	87,00	104,00	4300	0,684	K64
X11D 32209 BA	40	85 / 92	54	42,5	54	150,00	208,00	3400	1,450	L64
32209 A	45	85	23	19	24,75	84,00	100,00	4200	0,641	K01
32209 BA	45	85	23	19	24,75	87,00	104,00	4300	0,576	K01
32209 BAT	45	85 / 92	23	19	24,75	87,00	104,00	4300	0,620	K64
32210 A	50	90	23	19	24,75	91,00	111,00	4000	0,667	K01
X10D 32211 C	55	100	55,5	42,5	55,5	180,00	249,00	2700	1,743	T90
32211 A	55	100	25	21	26,75	113,00	138,00	3600	0,915	K01
<i>32211 C</i>	55	100	25	21	26,75	105,00	125,00	3400	0,819	K01
32212 A	60	110	28	24	29,75	130,00	160,00	4500	1,170	K01
32213 A	65	120	31	27	32,75	156,00	195,00	4100	1,550	K01
32214 A	70	125	31	27	33,25	166,00	213,00	2800	1,730	K01
32215 A	75	130	31	27	33,25	176,00	230,00	3700	1,760	K01
<i>32215 C</i>	75	130	31	27	33,25	166,00	213,00	2600	1,660	K01
32216 A	80	140	33	28	35,25	203,00	260,00	3500	2,150	K01
<i>32216 C</i>	80	140	33	28	35,25	177,00	219,00	2400	2,020	K01
32217 A	85	150	36	30	38,5	210,00	277,00	2400	2,539	K01
<i>32217 C</i>	85	150	36	30	38,5	204,00	255,00	2300	2,539	K01
32218 A	90	160	40	34	42,5	275,00	370,00	2200	3,500	K01
<i>32218 C</i>	90	160	40	34	42,5	250,00	325,00	2100	3,290	K01
32219 A	95	170	43	37	45,5	305,00	415,00	2100	4,200	K01
32220 A	100	180	46	39	49	345,00	475,00	2000	5,200	K01
<i>32220 C</i>	100	180	46	39	49	320,00	425,00	1900	4,740	K01
32221 A	105	190	50	43	53	390,00	550,00	1900	6,250	K01
32222 A	110	200	53	46	56	435,00	620,00	1800	7,352	K01
32224 A	120	215	58	50	61,5	475,00	680,00	2300	9,270	K01
32226 A	130	230	64	54	67,75	590,00	885,00	1500	11,500	K01
32228 A	140	250	68	58	71,75	650,00	950,00	2000	14,200	K01
32230 A	150	270	73	60	77	775,00	1200,00	1300	18,500	K01
32232 A	160	290	80	67	84	810,00	1200,00	1700	22,500	K01
32234 A	170	310	86	71	91	1030,00	1700,00	1100	29,300	K01
32236 A	180	320	86	71	91	1060,00	1700,00	1000	30,700	K01
32304 A	20	52	21	18	22,25	45,00	45,00	10000	0,238	K01
32305 A	25	62	24	20	25,25	61,00	62,00	8700	0,378	K01
32306 A	30	72	27	23	28,75	83,00	89,00	7500	0,579	K01
32307 A	35	80	31	25	32,75	105,00	116,00	4900	0,827	K01
32307 BC12	35	80	31	25	32,75	95,00	112,00	4600	0,741	K01
<i>32307 VB22</i>	35	80	31	25	32,75	99,00	108,00	4800	0,741	K01
32308 A	40	90	33	27	35,25	120,00	145,00	4300	1,040	K01
32308 BC12	40	90	33	27	35,25	113,00	134,00	4000	1,040	K01
32308 BQC12	36	90	33	27	35,25	113,00	134,00	4000	1,200	K01

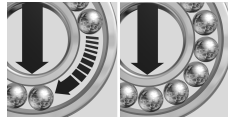
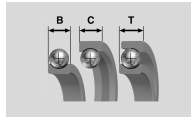
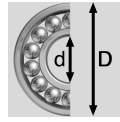
32309 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
10T 32309 BA	45	100 / 108	36	30	38,25	151,00	187,00	3700	1,480	K64
10X 32309 BA	40	100 / 108	36	30	38,25	151,00	187,00	3700	1,500	K64
32309 A	45	100	36	30	38,25	147,00	175,00	5200	1,400	K01
32309 BA	45	100	36	30	38,25	151,00	187,00	3700	1,400	K01
32309 BAT	45	100 / 106	36	30	38,25	151,00	187,00	3700	1,490	K64
32310 A	50	110	40	33	42,25	179,00	217,00	4700	1,860	K01
32310 VB22	50	110	40	33	42,25	169,00	201,00	3500	1,820	K01
32311 A	55	120	43	35	45,5	201,00	244,00	4300	2,350	K01
32311 BA	55	120	43	35	45,5	206,00	275,00	3000	2,320	K01
32312 A	60	130	46	37	48,5	225,00	270,00	4000	2,924	K01
<i>32312 C</i>	60	130	46	37	48,5	227,00	275,00	2900	2,783	K01
32313 A	65	140	48	39	51	280,00	350,00	2700	3,400	K01
32313 BA	65	140	48	39	51	275,00	375,00	2600	3,460	K01
32314 A	70	150	51	42	54	300,00	375,00	2500	4,400	K01
32314 BA	70	150	51	42	54	305,00	410,00	2400	4,250	K01
32315 A	75	160	55	45	58	365,00	470,00	3200	5,370	K01
32315 BC	75	160	55	45	58	325,00	415,00	2300	5,200	K01
32316 BC12	80	170	58	48	61,5	365,00	470,00	2100	6,303	K01
32317 A	85	180	60	49	63,5	445,00	580,00	2900	7,450	K01
32317 BC12	85	180	60	46	63,5	395,00	510,00	2000	7,070	K01
32318 A	90	190	64	53	67,5	470,00	610,00	2700	8,780	K01
32320 B	100	215	73	55	77,5	495,00	630,00	1700	12,200	K01
32940	200	280	51	39	51	525,00	960,00	1100	9,380	K01
33011 A	55	90	27	21	27	97,00	145,00	5200	0,667	K01
<i>33011 VC12</i>	55	90	27	21	27	100,00	143,00	3700	0,642	K01
33012 A	60	95	27	21	27	102,00	157,00	4900	0,715	K01
33013 A	65	100	27	21	27	104,00	164,00	4600	0,757	K01
<i>33013 VC12</i>	65	100	27	21	27	101,00	151,00	3300	0,740	K01
33014 A	70	110	31	25,5	31	136,00	203,00	4200	1,080	K01
33015 A	75	115	31	25,5	31	143,00	220,00	4000	1,150	K01
33016 A	80	125	36	29,5	36	177,00	285,00	3700	1,630	K01
<i>33016 VC12</i>	80	125	36	29,5	36	174,00	275,00	2600	1,560	K01
33017 A	85	130	36	29,5	36	196,00	310,00	2600	1,700	K01
<i>33017 VC12</i>	85	130	36	29,5	36	183,00	300,00	2500	1,660	K01
33018 A	90	140	39	32,5	39	225,00	360,00	3300	2,200	K01
33018 VC12	90	140	39	32,5	39	211,00	330,00	2300	2,100	K01
33019 A	95	145	39	32,5	39	230,00	375,00	3200	2,300	K01
<i>33019 VC12</i>	95	145	39	32,5	39	217,00	345,00	2300	2,217	K01
33020 A	100	150	39	32,5	39	235,00	390,00	2200	2,310	K01
<i>33020 VC12</i>	100	150	39	32,5	39	222,00	360,00	2200	2,310	K01
33021 A	105	160	43	34	43	270,00	460,00	2900	3,060	K01
<i>33021 VC12</i>	105	160	43	34	43	265,00	435,00	2000	2,990	K01
33022 A	110	170	47	37	47	305,00	530,00	2000	3,800	K01
<i>33022 VC12</i>	110	170	47	37	47	300,00	510,00	1900	3,820	K01

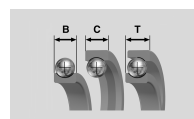
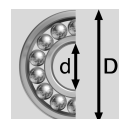


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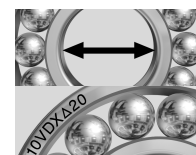


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
33024 A	120	180	48	38	48	305,00	530,00	2600	4,140	K01
10R 33108 A	40	75	26	20,5	26	87,00	109,00	4600	0,590	K01
33108 A	40	75	26	20,5	26	83,00	105,00	6600	0,505	K01
33109 A	45	80	26	20,5	26	88,00	117,00	6100	0,551	K01
33110 A	50	85	26	20	26	89,00	126,00	4300	0,574	K01
33111 A	55	95	30	23	30	117,00	158,00	5100	0,863	K01
33112 A	60	100	30	23	30	120,00	166,00	4800	0,917	K01
33113 A	65	110	34	26,5	34	153,00	216,00	4400	1,300	K01
33115 A	75	125	37	29	37	188,00	275,00	3800	1,810	K01
33116 A	80	130	37	29	37	190,00	295,00	2600	1,930	K01
33117 A	85	140	41	32	41	227,00	340,00	3400	2,440	K01
33118 A	90	150	45	35	45	262,00	405,00	2300	3,220	K01
33205 A	25	52	22	18	22	49,00	57,00	10000	0,222	K01
33206 A	30	62	25	19,5	25	67,00	77,00	820	0,353	K01
33207 A	35	72	28	22	28	88,00	104,00	7200	0,542	K01
33207 ATH100	35	72 / 77	28	22	28	89,00	108,00	5500	0,550	K64
33208 A	40	80	32	25	32	107,00	137,00	4800	0,733	K01
33208 ATH100	40	80 / 85	32	25	32	109,00	145,00	4400	0,733	K01
33209 A	45	85	32	25	32	112,00	145,00	5900	0,803	K01
33210 A	50	90	32	24,5	32	121,00	163,00	5500	0,875	K01
33211 A	55	100	35	27	35	142,00	183,00	4900	1,160	K01
33212 A	60	110	38	29	38	175,00	233,00	4500	1,540	K01
33213 A	65	120	41	32	41	203,00	275,00	4100	2,020	K01
33214 A	70	125	41	32	41	209,00	290,00	3900	2,120	K01
33215 A	75	130	41	31	41	216,00	305,00	3700	2,230	K01
<i>10R 33216 A</i>	80	140	46	35	46	255,00	375,00	2400	2,815	K01
33216 A	80	140	46	35	46	256,00	385,00	2600	2,860	K01
33217 A	85	150	49	37	49	295,00	430,00	3200	3,620	K01
GB 40037	39	74	39			52,00	44,00	3800	0,580	F34
FC 40096 S05	45,3	80	48	48	48	102,00	148,00	4500	0,970	L31
FC 40118	30	61	38	38	38	79,00	98,00	4800	0,505	L25
GB 40121	30	60,03	37			37,50	30,50	0	0,412	F01
AB 40204 S02	28	67	18			26,50	13,90	6500	0,270	A38
AB 40205 S02	23	50	14			15,20	7,90	8700	0,110	A25
FC 40206	25	52				62,00	79,00	5700	0,366	L31
FC 40240 S01	49	84	48	48	48	107,00	163,00	4500	1,045	
GB 40250 S01	40	84,03	38			62,00	53,00	5400	0,928	F36
GB 40250 S02	40	84,03	38			62,00	53,00	5400	0,927	
GB 40264 S01	45	84	39			66,00	57,00	5100	0,800	F34
AB 40270	28	76	28,2			36,00	19,40	5600	0,420	A47
AB 40278	28	67	19			29,50	15,30	6500	0,270	A38
GB 40279 S01	49	88	46			64,00	60,00	4800	0,900	F34
AB 40282 S02	12,7	38,1	11			7,70	3,55	13000	0,621	
AB 40285 S01	90	115	13			19,50	20,50	3400	0,400	A25
GB 40300 S03	45	88,02	39	39		64,00	58,00	0	1,040	F31
AB 40321 S01	77,86	125	56,88			46,00	38,00	4800	1,200	
<i>AB 40321 S02</i>	77,86	125	56,88			46,00	38,00	4800	1,215	
AB 40360	65	100	18			30,50	25,00	4000	0,500	

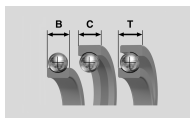
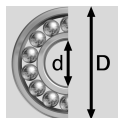
40361 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
AB 40361 S01	25	52	15			17,60	9,30	8300	0,100	A91
AB 40405 S05	61	109,61				36,00	52,00		#N/A	
BB 40467	35	55	11,5	10	14				0,092	
TGB 40490	30	117	60,85	37		46,50	35,50	4500	1,300	F72
GB 40547	37	72	33			48,50	39,00	4000	0,530	F37
GB 40549	41,97	84,03	39			62,00	53,00	5400	0,920	F31
AB 40559	25	75	17			32,50	17,30	8900	0,352	A91
FC 40570	25	52	37	37	37	62,00	79,00	5700	0,360	L25
AB 40577	35	72	18,5			30,00	16,80	5900	0,272	A91
AB 40578	35	52	10			7,80	5,80	0	0,058	
TGB 40616 S01	55	88	29,5			45,50	49,50	0	0,690	F82
<i>AB 40619</i>	60	96,5	27,8			29,50	23,20	4300	0,500	
XTFC 40652 S05P	30	117	38	43	60,85	79,00	98,00	4800	1,500	
FC 40654 H100	60	130/146	70	46					4,240	
GB 40666	44,985	84,07	39			62,00	53,00	3400	0,850	
GB 40666 S01	44,985	84,07	39			62,00	53,00	3400	0,850	
FC 40696	30	62	48	48	48	90,00	118,00	6100	0,675	L31
GB 40706	36,976	72,04	37			50,00	41,50	4000	0,600	F37
AB 40710 S01	28	75	21			35,50	19,00	6000	0,421	A94
GB 40714	34,976	72,04	33			49,50	40,00	4100	0,560	F31
FC 40725	25	62	48	48	48	90,00	118,00	6100	0,755	L31
FC 40772 S01	35	68	48	48	48	96,50	133,50	5400	0,775	L31
<i>FC 40772 S02</i>	35	68	48	48	48	96,50	133,50	5400	0,775	L31
FC 40784 S01	42	75	60	60	60	120,00	174,00	4800	1,050	L31
AB 40854	65	100	18			30,50	25,00	6700	0,490	
FC 40855	46	96,84	78,2	17,5	78,2	144,00	244,00	0	2,050	
FC 40858 S01	25	55	45	45	45	72,00	91,00	5500	0,525	L31
AB 40863	50	89	16	22					0,463	
FC 40887	25	55	53,5	53,5	53,5	72,00	91,00	7100	0,600	
MGB 40899	27,5	126,65	82,65			41,00	39,50	0	1,970	
XMGB 40899 P	27,5	126,65	82,65			41,00	39,50		1,970	
TGB 40917 S05	24,973	129,1	64,3			54,00	39,00	4600	1,900	F81
FC 40918 S02	49	84	48	48	48	107,00	163,00	4500	1,045	L31
GB 40919	40	84,06	39,7	19	0	62,00	53,00	0	0,938	F31
GB 40997 P	40	74	40			48,50	42,00	3800	0,640	X01
AB 41010	25	52	15			14,00	7,90	12000	0,130	
AB 41010 S01	25	52	15			14,00	7,90	12000	0,122	
GB 41135	37,98	73	40	20	0	47,00	41,00	3900	0,660	F37
<i>QJ 41207</i>	50	110	20			37,00	47,50	0	0,953	
<i>QJ 41208</i>	65	135	22			44,00	64,00	0	1,579	
<i>QJ 41209</i>	55	150	25			63,00	86,00	0	2,000	
AB 41238	100	150	24						1,267	
L 44649/610	26,988	50,29	14,73	10,67	14,22	27,60	32,00	7200	0,110	K01
L 45449/410	29	50,29	14,73	10,67	14,22	28,50	35,50	9600	0,115	K01
LM 48548/510	34,925	65,09	18,29	13,97	18,03	47,50	57,50	5600	0,250	K01
51100	10	24			9	10,00	9,00	12000	0,021	P01
51101	12	26			9	10,30	10,40	11000	0,023	P01
51102	15	28			9	10,50	12,00	9500	0,025	P01
51103	17	30			9	11,30	14,40	8500	0,025	P01
51104	20	35			10	15,00	19,70	7300	0,038	P01
51105	25	42			11	18,10	27,50	6000	0,058	P01
51106	30	47			11	18,80	32,00	5200	0,065	P01
51107	35	52			12	20,10	38,00	4600	0,081	P01
51108	40	60			13	27,00	51,00	4000	0,110	P01



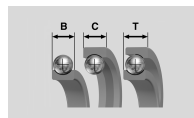
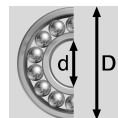
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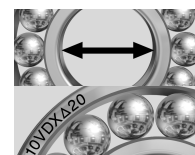
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
51109	45	65			14	28,00	57,00	3600	0,128	P01
51110	50	70			14	29,00	64,00	3300	0,139	P01
51111	55	78			16	35,00	79,00	3000	0,220	P01
51112	60	85			17	41,50	95,00	2800	0,257	P01
51114	70	95			18	43,00	109,00	2400	0,354	P01
51115	75	100			19	44,50	118,00	2300	0,398	P01
51116	80	105			19	44,50	123,00	2200	0,430	P01
51117	85	110			19	46,00	133,00	2100	0,442	P01
51118	90	120			22	60,00	166,00	1900	0,598	P01
51120	100	135			25	85,00	230,00	1700	0,974	P01
51122	110	145			25	87,00	250,00	1600	1,060	P01
51124	120	155			25	89,00	270,00	1500	1,140	P01
51126	130	170			30	119,00	355,00	1300	1,740	P01
51130	150	190			31	152,00	395,00	1100	2,000	P01
51132	160	200			31	156,00	425,00	1100	2,100	P01
51202	15	32			12	15,70	16,40	7200	0,042	P01
51203	17	35			12	16,10	18,80	6500	0,050	P01
51204	20	40			14	22,30	26,00	5700	0,078	P01
51205	25	47			15	28,00	36,00	4700	0,110	P01
51206	30	52			16	29,50	43,50	4100	0,133	P01
51207	35	62			18	39,00	58,00	3500	0,203	P01
51208	40	68			19	44,00	70,00	3100	0,260	P01
51209	45	73			20	46,50	82,00	2900	0,283	P01
51210	50	78			22	47,00	88,00	2700	0,380	P01
51211	55	90			25	69,00	123,00	2300	0,590	P01
51213	65	100			27	75,00	151,00	2100	0,729	P01
51214	70	105			27	76,00	161,00	1900	0,783	P01
51215	75	110			27	77,00	171,00	1800	0,827	P01
51216	80	115			28	79,00	182,00	1700	0,908	P01
51217	85	125			31	119,00	217,00	1600	1,300	P01
51305	25	52			18	35,50	42,00	3600	0,167	P01
51306	30	60			21	43,00	56,00	3100	0,270	P01
51307	35	68			24	55,00	74,00	2700	0,377	P01
51308	40	78			26	69,00	95,00	2400	0,540	P01
51309	45	85			28	80,00	117,00	2200	0,662	P01
51311	55	105			35	148,00	174,00	1700	1,350	P01
51312	60	110			35	154,00	193,00	1600	1,450	P01
51313	65	115			36	159,00	212,00	1500	1,550	P01
51405	25	60			24	69,00	56,00	2800	0,340	P01
51406	30	70			28	90,00	80,00	2400	0,530	P01
51407	35	80			32	108,00	101,00	2000	0,790	P01
51409	45	100			39	161,00	158,00	1600	1,450	P01
<i>51416</i>	80	170			68	315,00	485,00	960	7,300	P01
61800 EEG15	10	19	5			1,83	0,92	22000	0,005	A25
61800 G15	10	19	5			1,83	0,92	34000	0,005	A01
61800 ZZG15	10	19	5			1,83	0,92	34000	0,005	A21
61801 EEG15	12	21	5			1,92	1,04	20000	0,006	A25
61801 G15	12	21	5			1,92	1,04	30000	0,006	A01
61801 ZZG15	12	21	5			1,92	1,04	30000	0,006	A21



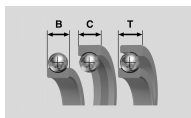
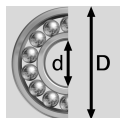
61802 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
61802 EEG15	15	24	5			2,08	1,26	17000	0,007	A25
61802 G15	15	24	5			2,08	1,26	25000	0,007	A01
61802 ZZG15	15	24	5			2,08	1,26	25000	0,007	A21
61803 EEG15	17	26	5			2,23	1,46	15000	0,008	A25
61803 G15	17	26	5			2,23	1,46	23000	0,008	A01
61803 ZZG15	17	26	5			2,23	1,46	23000	0,008	A21
61804	20	32	7			2,95	1,87	19500	0,018	A01
<i>61804 Y</i>	20	32	7			2,95	1,87	19500	0,018	A01
61804 2RS	20	32	7			2,95	1,87	11500	0,018	A25
61804 2Z	20	32	7			2,95	1,87	19500	0,018	A21
61805	25	37	7			4,30	2,95	17000	0,022	A01
61805 2RS	25	37	7			4,30	2,95	9800	0,022	A25
61805 2Z	25	37	7			4,30	2,95	17000	0,022	A21
61806	30	42	7			4,55	3,40	14500	0,026	A01
61806 2RS	30	42	7			4,55	3,40	8400	0,026	A25
61806 2Z	30	42	7			4,55	3,40	14500	0,026	A21
61807	35	47	7			4,75	3,80	13000	0,029	A01
61807 2RS	35	47	7			4,75	3,80	7300	0,029	A25
61807 2Z	35	47	7			4,75	3,80	13000	0,029	A21
61808	40	52	7			4,90	4,15	11500	0,035	A01
61808 2RS	40	52	7			4,90	4,15	6500	0,035	A25
61808 2Z	40	52	7			4,90	4,15	11500	0,035	A21
61809	45	58	7			6,60	5,90	9600	0,039	A01
61809 EE	45	58	7			6,60	5,90	6400	0,039	A25
<i>61809 2RSY</i>	45	58	7			6,60	5,90	5800	0,039	A25
61809 2ZY	45	58	7			6,60	5,90	10500	0,039	A21
61810	50	65	7			6,80	6,30	8600	0,052	A01
61810 EE	50	65	7			6,80	6,30	5700	0,052	A25
<i>61810 Y</i>	50	65	7			6,80	6,30	9300	0,052	A01
<i>61810 2RSY</i>	50	65	7			6,80	6,30	5100	0,052	A25
61810 2ZY	50	65	7			6,80	6,30	9300	0,052	A21
61811	55	72	9			9,10	8,50	7700	0,084	A01
61811 EE	55	72	9			9,10	8,50	5100	0,084	A25
<i>61811 2RSY</i>	55	72	9			9,10	8,40	5100	0,084	A25
61811 2ZY	55	72	9			9,10	8,40	8400	0,084	A21
61812	60	78	10			11,80	11,10	7100	0,105	A01
61812 2ZY	60	78	10			11,80	11,10	7700	0,105	A21
61812 EE	60	78	10			11,80	11,10	4700	0,105	A25
61813	65	85	10			12,30	12,00	6600	0,130	A01
61813 EE	65	85	10			12,30	12,00	4400	0,130	A25
<i>61813 Y</i>	65	85	10			12,30	12,00	6600	0,130	A01
61814	70	90	10			12,40	12,40	6100	0,140	A01
61814 EE	70	90	10			12,40	12,40	4100	0,140	A25
<i>61814 Y</i>	70	90	10			12,40	12,40	6700	0,140	A01
<i>61814 2RSY</i>	70	90	10			12,40	12,40	3700	0,140	A25
61815	75	95	10			12,90	13,30	5800	0,150	A01
61815 EE	75	95	10			12,90	13,30	3800	0,150	A25
<i>61815 Y</i>	75	95	10			12,90	13,30	6300	0,150	A01
<i>61815 2RSY</i>	75	95	10			12,90	13,30	3500	0,150	A25
61815 2ZY	75	95	10			12,90	13,30	6300	0,150	A21
61816	80	100	10			13,00	13,80	5500	0,155	A01
61816 EE	80	100	10			13,00	13,80	3600	0,155	A25

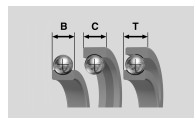
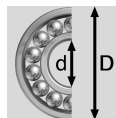


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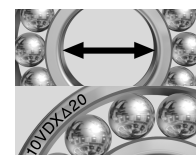


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
<i>61816 G15</i>	80	100	10			13,00	13,80	6000	0,155	A01
<i>61816 Y</i>	80	100	10			13,00	13,80	6000	0,155	A01
61816 ZZY	80	100	10			13,00	13,80	6000	0,155	A21
61817	85	110	13			19,30	19,80	5000	0,270	A01
61817 EE	85	110	13			19,30	19,80	3300	0,270	A25
61817 ZZY	85	110	13			19,30	19,80	5500	0,270	A21
61818	90	115	13			19,50	20,50	4800	0,280	A01
61818 EE	90	115	13			19,50	20,50	3200	0,280	A25
<i>61818 Y</i>	90	115	13			19,50	20,50	5200	0,280	A01
<i>61818 2RSY</i>	90	115	13			19,50	20,50	2900	0,280	A25
61818 ZZY	90	115	13			19,50	20,50	5200	0,280	A21
61819	95	120	13			19,80	21,30	4600	0,295	A01
61819 EE	95	120	13			19,80	21,30	3000	0,295	A25
<i>61819 Y</i>	95	120	13			19,80	21,30	5000	0,295	A01
61819 ZZY	95	120	13			19,80	21,30	5000	0,295	A21
61820	100	125	13			20,10	22,00	4400	0,310	A01
61820 EE	100	125	13			20,10	22,00	2900	0,310	A25
<i>61820 Y</i>	100	125	13			20,10	22,00	4800	0,310	A01
61820 ZZY	100	125	13			2,10	22,00	4800	0,310	A21
61821	105	130	13			20,80	23,60	4200	0,330	A01
61821 EE	105	130	13			20,80	23,60	2800	0,330	A25
<i>61821 Y</i>	105	130	13			20,80	23,60	4600	0,330	A01
61821 ZZY	105	130	13			20,80	23,60	4600	0,330	A21
61822	110	140	16			28,00	30,50	3900	0,500	A01
61822 EE	110	140	16			28,00	30,50	2600	0,500	A25
61822 EEJ30	110	140	16			28,00	30,50	2600	0,500	A25
<i>61824 Y</i>	110	140	16			28,00	30,50	4000	0,500	A01
<i>61824 2RSY</i>	110	140	16			28,00	30,50	2200	0,500	A25
61822 ZZY	110	140	16			28,00	30,50	4300	0,500	A21
61824	120	150	16			29,00	33,00	3600	0,550	A01
61824 ZZY	120	150	16			29,00	33,00	4000	0,550	A21
61824 EE	120	150	16			29,00	33,00	2400	0,550	A25
61826	130	165	18			38,00	43,00	3600	0,780	A01
61826 2RS	130	165	18			38,00	43,00	2000	0,780	A25
61826 2RSC3	130	165	18			38,00	43,00	2000	0,780	A25
61826 ZZ	130	165	18			38,00	43,00	3600	0,780	A21
61828	140	175	18			39,00	46,00	3400	0,830	A01
61828 2RS	140	175	18			39,00	46,00	1850	0,830	A25
61828 ZZ	140	175	18			39,00	46,00	3400	0,830	A21
61830	150	190	20			51,00	60,00	3100	1,350	A01
61832	160	200	20			52,00	62,00	3000	1,400	A01
61834	170	215	22			61,00	73,00	2800	1,600	A01
61836	180	225	22			62,00	76,00	2700	2,000	A01
61838	190	240	24			69,00	85,00	2500	2,700	A01
61840	200	250	24			70,00	88,00	2400	2,700	A01
61844	220	270	24			73,00	97,00	2200	2,900	A01
61848	240	300	28			92,00	120,00	2000	4,500	A01
61852	260	320	28			94,00	128,00	1900	4,800	A01
61856	280	350	33			126,00	170,00	1700	7,300	A01
61860 M	300	380	38			148,00	198,00	1600	10,500	A01
61864 M	320	400	38			154,00	213,00	1500	11,000	A01
61868 M	340	420	38			155,00	219,00	1400	11,500	A01

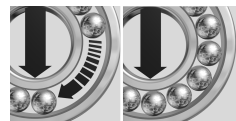
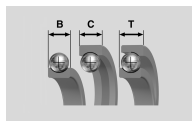
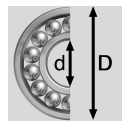
61872 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
61872 M	360	440	38			160,00	234,00	1350	12,000	A01
61900 EEG15	10	22	6			2,70	1,27	20000	0,013	A25
<i>61900 EEG15J30</i>	10	22	6			2,70	1,27	20000	0,013	A25
61900 G15	10	22	6			2,70	1,27	31000	0,013	A01
61900 ZZG15	10	22	6			2,70	1,27	31000	0,013	A21
61901 EEG15	12	24	6			2,90	1,46	18000	0,014	A25
61901 G15	12	24	6			2,90	1,46	27000	0,014	A01
61901 ZZG15	12	24	6			2,90	1,46	27000	0,014	A21
61902 EEG15	15	28	7			4,35	2,25	15000	0,015	A25
61902 G15	15	28	7			4,35	2,25	23000	0,015	A01
61902 ZZG15	15	28	7			4,35	2,25	23000	0,015	A21
61903 EEG15	17	30	7			4,60	2,55	14000	0,016	A25
61903 G15	17	30	7			4,60	2,55	21000	0,016	A01
61903 ZZG15	17	30	7			4,60	2,55	21000	0,016	A21
61904	20	37	9			6,40	3,70	17500	0,036	A01
61904 2RS	20	37	9			6,40	3,70	11000	0,036	A25
61904 2Z	20	37	9			6,40	3,70	17500	0,036	A21
61905	25	42	9			7,00	4,55	15000	0,042	A01
61905 2RS	25	42	9			7,00	4,55	9800	0,042	A25
61905 2Z	25	42	9			7,00	4,55	15000	0,042	A21
61906	30	47	9			7,20	4,35	13500	0,048	A01
61906 2RS	30	47	9			7,20	5,00	8100	0,048	A25
61906 2Z	30	47	9			7,20	5,00	13500	0,048	A21
61907	35	55	10			9,60	5,90	11500	0,074	A01
61907 2RS	35	55	10			9,60	5,90	7500	0,074	A25
61908	40	62	12			12,20	7,70	10000	0,110	A01
61909	45	68	12			14,10	10,90	9100	0,130	A01
61909 J40	45	68	12			14,10	10,90	9100	0,130	A01
61910	50	72	12			13,40	9,60	7900	0,130	A01
61911	55	80	13			16,60	14,10	7700	0,180	A01
61912	60	85	13			16,40	14,20	7200	0,190	A01
61913	65	90	13			17,40	16,00	6800	0,200	A01
61914	70	100	16			23,70	18,30	6100	0,360	A01
61915	75	105	16			24,40	22,50	5800	0,360	A01
61916	80	110	16			25,00	23,90	5500	0,380	A01
61924 AG15J30	120	165	22			60,00	60,00	3500	1,112	A01
62200 EE	10	30	14			6,00	2,65	15000	0,048	A25
62201 EE	12	32	14			6,90	3,10	14000	0,049	A25
62201 EEJ30	12	32	14			6,90	3,10	14000	0,051	A25
62202 EE	15	35	14			7,70	3,75	12000	0,053	A25
62202 EEJ30	15	35	14			7,70	3,75	12000	0,056	A25
62203 EE	17	40	16			9,50	4,75	11000	0,082	A25
62203 EEJ30	17	40	16			9,50	4,75	11000	0,086	A25
62204 EE	20	47	18			12,80	6,60	9500	0,131	A25
62204 EEJ30	20	47	18			12,80	6,60	9500	0,120	A25
62205 EE	25	52	18			14,00	7,90	8100	0,148	A25
62205 EEJ30	25	52	18			14,00	7,90	8100	0,152	A25



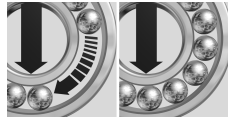
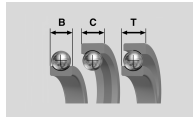
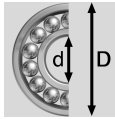
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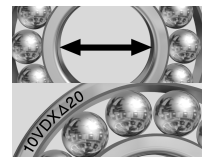
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
62206 EE	30	62	20			19,50	11,30	6900	0,236	A25
62206 EEJ30	30	62	20			19,50	11,30	6900	0,246	A25
62207 EE	35	72	23			25,50	15,30	5900	0,375	A25
62207 EEJ30	35	72	23			25,50	15,30	5900	0,380	A25
62208 EE	40	80	23			29,00	17,90	5300	0,460	A25
62208 EEJ30	40	80	23			29,00	17,90	5300	0,460	A25
62209 EE	45	85	23			32,50	20,50	4900	0,481	A25
62209 EEJ30	45	85	23			32,50	20,50	4900	0,484	A25
62210 EE	50	90	23			35,00	23,20	4500	0,514	A25
62210 EEJ30	50	90	23			35,00	23,20	4500	0,517	A25
62300 EE	10	35	17			8,10	3,45	13000	0,079	A25
62301 EE	12	37	17			9,70	4,20	12000	0,070	A25
62302 EE	15	42	17			11,30	5,40	11000	0,108	A25
62303 EE	17	47	19			13,60	6,60	9400	0,146	A25
62304 EE	20	52	21			15,90	7,90	8600	0,197	A25
62305 EE	25	62	24			23,60	12,10	7100	0,317	A25
62306 EE	30	72	27			28,00	15,80	6000	0,473	A25
62306 EEJ30	30	72	27			28,00	15,80	5800	0,474	A25
62307 EE	35	80	31			33,50	19,20	5300	0,658	A25
62308 EE	40	90	33			40,50	23,90	4800	0,874	A25
63000 EE	10	26	12			4,60	1,97	18000	0,028	A25
63000 EEJ30	10	26	12			4,60	1,97	18000	0,028	A25
63001 EE	12	28	12			5,10	2,37	16000	0,029	A25
63001 EEJ30	12	28	12			5,10	2,37	16000	0,029	A25
63002 EE	15	32	13			5,60	2,85	14000	0,044	A25
63002 EEJ30	15	32	13			5,60	2,85	14000	0,044	A25
63003 EE	17	35	14			6,00	3,25	12000	0,055	A25
63003 EEJ30	17	35	14			6,00	3,25	12000	0,055	A25
63004 EE	20	42	16			9,40	5,00	10000	0,082	A25
63004 EEJ30	20	42	16			9,40	5,00	10000	0,082	A25
63005 EE	25	47	16			10,10	5,80	9300	0,105	A25
63005 EEJ30	25	47	16			10,10	5,80	9300	0,105	A25
63006 EE	30	55	19			13,20	8,30	7800	0,166	A25
63006 EEJ30	30	55	19			13,20	8,30	7800	0,166	A25
63007 EE	35	62	20			16,00	10,30	6800	0,214	A25
63007 EEJ30	35	62	20			16,00	10,30	6800	0,214	A25
63008 EE	40	68	21			16,80	11,50	6100	0,262	A25
63008 EEJ30	40	68	21			16,80	11,50	6100	0,262	A25
LM 67048/010	31,75	59,13	16,76	11,81	15,88	34,50	41,50	6100	0,170	K01
L 68149/110	34,987	59,13	16,76	11,94	15,88	35,00	47,00	5900	0,170	K01
JL 69349/310 A	38	63	17	13,5	17	41,50	56,00	5500	0,198	K01
JLM 104945N910 Z	50	82	27,7	17	21,5	72,00	95,00	4200	0,444	K01
HM 215249/210	75,987	131,98	39	32	39	205,00	285,00	2700	2,090	K01
HM 218248/210	89,974	146,98	40	32,50	40	208,00	300,00	3200	2,440	K01
LM 501349/310	41,275	73,43	19,81	14,73	19,56	58,00	70,00	6700	0,335	K01
LM 503349/310	45,987	74,98	18	14	18	51,00	71,50	4500	0,320	K01



503349 →



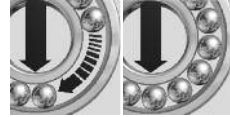
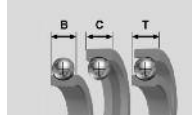
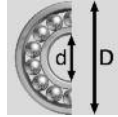
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
LM 503349A/310	45,987	74,98	18	14	18	51,00	71,50	2100	0,320	K01
JM 515649/610	80	130	34	28,5	35	170,00	250,00	3600	1,770	K01
HM 518445/410	88,9	152,4	39,69	30,16	39,69	249,00	345,00	3100	2,870	K01
LM 603049/011	45,242	77,79	19,84	15,08	19,84	57,00	71,00	6200	0,365	K01
JM 718149A/110	90	145	34	27	35	190,00	285,00	2400	2,200	K01
JHM 720249/210	100	160	40	32	41	242,00	375,00	2900	3,080	K01
7700016 VB22	80	150	45	35	45	285,00	390,00	2400	3,410	K01
7700017 VB22	85	150	45	35	45	285,00	390,00	2400	3,100	K01
7700116	80	140	36,5	28,6	36,5	161,00	224,00	2500	2,205	K01
7700317	85	160	48,5	38	48,5	260,00	350,00	2200	4,250	K01
7700510 V	50	120	41,25	30,5	40	179,00	218,00	3200	2,189	K01
7700514	70	150	54	45	54	280,00	380,00	2500	4,490	K01
7710005	25	62	19	16	18	45,50	44,00	6200	0,271	K01
7730126	32,15	55,6			15,92					
<i>7730914/2 D7</i>	70	108,6				54,00	114,00	2400	0,825	P84
<i>7732911 V</i>	55	81				34,00	75,00	3300	0,309	P84
<i>8528502 J30</i>	40	90	23			40,50	23,90	7700	0,630	A62
8529184 J30	35	90	23			40,50	23,90	7700	0,630	A62



(ES) Referencias en *itálica*: entrega hasta agotamiento de las existencias.
 (IT) Riferimenti in *corsivo*: consegna fino ad esaurimento delle scorte.
 (BR) Referências em *itálico*: entrega até se esgotarem os estoques.

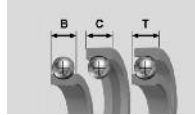
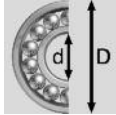


201 →



	d	D	B	C	T	C	Co	tr/mn	kg	
						x1000 Newtons				
ES 201 G2	12	40	19,1	12	28,6	9,55	4,78		0,140	R04
ES 201 G2T04	12	40	19,1	12	28,6	9,55	4,78		0,140	R04
ES 201 G2T20	12	40	19,1	12	28,6	9,55	4,78		0,140	R04
ES 201-08 G2	1/2'	40	19,1	12	28,6	9,55	4,78		0,140	R04
EX 201 G2	12	47	34	16	43,5	12,80	6,65		0,290	R05
EX 201 G2L3	12	47	34	16	43,5	12,80	6,65		0,290	☎
EX 201 G2T04	12	47	34	16	43,5	12,80	6,65		0,290	R05
EX 201 G2T20	12	47	34	16	43,5	12,80	6,65		0,290	R05
EX 201-08 G2	1/2'	47	34	16	43,5	12,80	6,65		0,290	R05
SES 201	12	40	19,1	12	28,6	7,80	4,50	8800	0,120	R16
SUC 201	12	47	31	17		10,10	6,80	7450	0,160	R15
UC 201 G2	12	47	31	16		12,80	6,65		0,210	R02
UC 201 G2L3	12	47	31	16		12,80	6,65		0,210	☎
UC 201 G2T04	12	47	31	16		12,80	6,65		0,210	R02
UC 201 G2T20	12	47	31	16		12,80	6,65		0,210	R02
UC 201-08 G2	1/2'	47	31	16		12,80	6,65		0,210	R02
UC 201-08 G2L3	1/2'	47	31	16		12,80	6,65		0,210	☎
UC 201-08 G2T20	1/2'	47	31	16		12,80	6,65		0,210	R02
US 201 G2	12	40	22	12		9,55	4,78		0,090	R03
US 201 G2T04	12	40	22	12		9,55	4,78		0,090	R03
US 201 G2T20	12	40	22	12		9,55	4,78		0,090	R03
US 201-08 G2	1/2'	40	22	12		9,55	4,78		0,090	R03
ES 202 G2	15	40	19,1	12	28,6	9,55	4,78		0,130	R04
ES 202 G2T04	15	40	19,1	12	28,6	9,55	4,78		0,130	R04
ES 202 G2T20	15	40	19,1	12	28,6	9,55	4,78		0,130	R04
ES 202-10 G2	5/8'	40	19,1	12	28,6	9,55	4,78		0,130	R04
EX 202 G2	15	47	34	16	43,5	12,80	6,65		0,270	R05
EX 202 G2L3	15	47	34	16	43,5	12,80	6,65		0,270	☎
EX 202 G2T04	15	47	34	16	43,5	12,80	6,65		0,270	R05
EX 202 G2T20	15	47	34	16	43,5	12,80	6,65		0,270	R05
EX 202-10 G2	5/8'	47	34	16	43,5	12,80	6,65		0,270	R05
MUC 202-10 FD	5/8'	47	31	17		10,90	5,30	7400	0,181	R15
SES 202	15	40	19,1	12	28,6	7,80	4,50	8800	0,110	R16
SUC 202	15	47	31	17		10,10	6,80	7450	0,160	R15
UC 202 G2	15	47	31	16		12,80	6,65		0,200	R02
UC 202 G2L3	15	47	31	16		12,80	6,65		0,200	☎
UC 202 G2T04	15	47	31	16		12,80	6,65		0,200	R02
UC 202 G2T20	15	47	31	16		12,80	6,65		0,200	R02
UC 202-10 G2	5/8'	47	31	16		12,80	6,65		0,200	R02
UC 202-10 G2L3	5/8'	47	31	16		12,80	6,65		0,200	☎
UC 202-10 G2T20	5/8'	47	31	16		12,80	6,65		0,200	R02
US 202 G2	15	40	22	12		9,55	4,78		0,080	R03
US 202 G2T04	15	40	22	12		9,55	4,78		0,080	R03
US 202 G2T20	15	40	22	12		9,55	4,78		0,080	R03
US 202-10 G2	5/8'	40	22	12		9,55	4,78		0,080	R03
ES 203 G2	17	40	19,1	12	28,6	9,55	4,78		0,130	R04
ES 203 G2T04	17	40	19,1	12	28,6	9,55	4,78		0,130	R04
ES 203 G2T20	17	40	19,1	12	28,6	9,55	4,78		0,130	R04
ES 203-11 G2	11/16'	40	19,1	12	28,6	9,55	4,78		0,130	R04
EX 203 G2	17	47	34	16	43,5	12,80	6,65		0,250	R05
EX 203 G2L3	17	47	34	16	43,5	12,80	6,65		0,250	☎
EX 203 G2T04	17	47	34	16	43,5	12,80	6,65		0,250	R05
EX 203 G2T20	17	47	34	16	43,5	12,80	6,65		0,250	R05
EX 203-11 G2	11/16'	47	34	16	43,5	12,80	6,65		0,240	R05

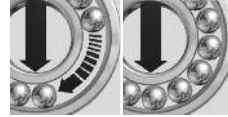
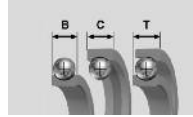
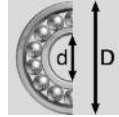
203 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
SES 203	17	40	19,1	12	28,6	7,80	4,50	8800	0,110	R16
SUC 203	17	47	31	17		10,10	6,80	7450	0,160	R15
UC 203 G2	17	47	31	16		12,80	6,65		0,180	R02
UC 203 G2L3	17	47	31	16		12,80	6,65		0,180	
UC 203 G2T04	17	47	31	16		12,80	6,65		0,180	R02
UC 203 G2T20	17	47	31	16		12,80	6,65		0,180	R02
UC 203-11 G2	11/16'	47	31	16		12,80	6,65		0,170	R02
UC 203-11 G2L3	11/16'	47	31	16		12,80	6,65		0,180	
UC 203-11 G2T20	11/16'	47	31	16		12,80	6,65		0,170	R02
US 203 G2	17	40	22	12		9,55	4,78		0,100	R03
US 203 G2T04	17	40	22	12		9,55	4,78		0,100	R03
US 203 G2T20	17	40	22	12		9,55	4,78		0,100	R03
US 203-11 G2	11/16'	40	22	12		9,55	4,78		0,100	R03
CES 204	20	47	21,5	14	31	12,80	6,65		0,150	R10
CEX 204	20	47	34,2	17	43,7	12,80	6,65		0,220	R11
CEX 204-12	3/4'	47	34,2	17	43,7	12,80	6,65		0,220	R11
CUC 204	20	47	31	17		12,80	6,65		0,200	R08
CUC 204-12	3/4'	47	31	17		12,80	6,65		0,200	R08
CUS 204	20	47	25	14		12,80	6,65		0,130	R09
CUS 204-12	3/4'	47	25	14		12,80	6,65		0,130	R09
ES 204-12 G2	3/4'	47	21,4	14	30,9	12,80	6,65		0,150	R04
ES 204 G2	20	47	21,4	14	30,9	12,80	6,65		0,150	R04
ES 204 G2T04	20	47	21,4	14	30,9	12,80	6,65		0,150	R04
ES 204 G2T20	20	47	21,4	14	30,9	12,80	6,65		0,150	R04
EX 204 G2	20	47	34	16	43,5	12,80	6,65		0,220	R05
EX 204 G2L3	20	47	34	16	43,5	12,80	6,65		0,220	
EX 204 G2T04	20	47	34	16	43,5	12,80	6,65		0,220	R05
EX 204 G2T20	20	47	34	16	43,5	12,80	6,65		0,220	R05
EX 204-12 G2	3/4'	47	34	16	43,5	12,80	6,65		0,220	R05
MUC 204 FD	20	47	31	17		10,90	5,30	7400	0,160	R15
MUC 204-12 FD	3/4'	47	31	17		10,90	5,30	7400	0,159	R15
SES 204	20	47	21,5	14	31	10,10	6,80	7450	0,150	R16
SUC 204	20	47	31	17		10,10	6,80	7450	0,160	R15
UC 204 G2	20	47	31	16		12,80	6,65		0,170	R02
UC 204 G2L3	20	47	31	16		12,80	6,65		0,170	
UC 204 G2T04	20	47	31	16		12,80	6,65		0,170	R02
UC 204 G2T20	20	47	31	16		12,80	6,65		0,170	R02
UC 204-12 G2	3/4'	47	31	16		12,80	6,65		0,170	R02
UC 204-12 G2L3	3/4'	47	31	16		12,80	6,65		0,170	
UC 204-12 G2T20	3/4'	47	31	16		12,80	6,65		0,170	R02
US 204 G2	20	47	25	14		12,80	6,65		0,130	R03
US 204 G2T04	20	47	25	14		12,80	6,65		0,130	R03
US 204 G2T20	20	47	25	14		12,80	6,65		0,130	R03
US 204-12 G2	3/4'	47	25	14		12,80	6,65		0,130	R03
CES 205	25	52	21,5	15	31	14,00	7,88		0,190	R10
CES 205-15	15/16'	52	21,5	15	31	14,00	7,88		0,190	R10
CEX 205	25	52	34,9	17	44,4	14,00	7,88		0,250	R11
CEX 205-14	7/8'	52	34,9	17	44,4	14,00	7,88		0,250	R11
CEX 205-15	15/16'	52	34,9	17	44,4	14,00	7,88		0,250	R11
CEX 205-16	1'	52	34,9	17	44,4	14,00	7,88		0,240	R11
CUC 205	25	52	34	17		14,00	7,88		0,210	R08
CUC 205-14	7/8'	52	34	17		14,00	7,88		0,210	R08
CUC 205-15	15/16'	52	34	17		14,00	7,88		0,210	R08

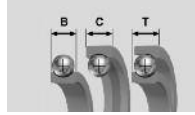
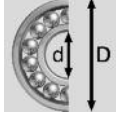


205 →



	d	D	B	C	T	C	Co	tr/mn	kg	
						x1000 Newtons				
CUC 205-16	1'	52	34	17		14,00	7,88		0,210	R08
CUS 205	25	52	27	15		14,00	7,88		0,170	R09
CUS 205-14	7/8'	52	27	15		14,00	7,88		0,180	R09
CUS 205-15	15/16'	52	27	15		14,00	7,88		0,180	R09
CUS 205-16	1'	52	27	15		14,00	7,88		0,180	R09
ES 205-14 G2	7/8'	52	21,4	15	30,9	14,00	7,88		0,190	R04
ES 205 G2	25	52	21,4	15	30,9	14,00	7,88		0,190	R04
ES 205 G2T04	25	52	21,4	15	30,9	14,00	7,88		0,190	R04
ES 205 G2T20	25	52	21,4	15	30,9	14,00	7,88		0,190	R04
ES 205-15 G2	15/16'	52	21,4	15	30,9	14,00	7,88		0,190	R04
EX 205 G2	25	52	34,8	17	44,3	14,00	7,88		0,250	R05
EX 205 G2L3	25	52	34,8	17	44,3	14,00	7,88		0,250	R05
EX 205 G2T04	25	52	34,8	17	44,3	14,00	7,88		0,250	R05
EX 205 G2T20	25	52	34,8	17	44,3	14,00	7,88		0,250	R05
EX 205-14 G2	7/8'	52	34,8	17	44,3	14,00	7,88		0,250	R05
EX 205-15 G2	15/16'	52	34,8	17	44,3	14,00	7,88		0,250	R05
EX 205-16 G2	1'	52	34,8	17	44,3	14,00	7,88		0,240	R05
MUC 205 FD	25	52	34,1	17		11,90	6,30	6200	0,190	R15
MUC 205-16 FD	1'	52	34,1	17		11,90	6,30	6200	0,181	R15
SES 205	25	52	21,5	15	31	11,00	8,00	6250	0,190	R16
SUC 205	25	52	34,1	17		11,00	8,00	6250	0,190	R15
SUC 205-16	1'	52	34,1	17		11,00	8,00	6250	0,210	R15
UC 205 G2	25	52	34	17		14,00	7,88		0,210	R02
UC 205 G2T04	25	52	34	17		14,00	7,88		0,210	R02
UC 205 G2T20	25	52	34	17		14,00	7,88		0,210	R02
UC 205-14 G2	7/8'	52	34	17		14,00	7,88		0,210	R02
UC 205-14 G2L3	7/8'	52	34	17		14,00	7,88		0,210	R02
UC 205-14 G2T20	7/8'	52	34	17		14,00	7,88		0,210	R02
UC 205-15 G2	15/16'	52	34	17		14,00	7,88		0,210	R02
UC 205-15 G2L3	15/16'	52	34	17		14,00	7,88		0,210	R02
UC 205-15 G2T20	15/16'	52	34	17		14,00	7,88		0,210	R02
UC 205-16 G2	1'	52	34	17		14,00	7,88		0,200	R02
UC 205-16 G2L3	1'	52	34	17		14,00	7,88		0,200	R02
UC 205-16 G2T20	1'	52	34	17		14,00	7,88		0,210	R02
UK 205 G2	20	52	21	17		14,00	7,88		0,150	R06
UK 205 G2+H	20	52	21	17	35	14,00	7,88		0,240	R07
UK 205 G2+H-12	3/4'	52	21	17	35	14,00	7,88		0,240	R07
UK 205 G2L3H	20	52	21	17	35	14,00	7,88		0,237	R07
UK 205 G2T04+H	20	52	21	17	35	14,00	7,88		0,237	R07
UK 205 G2T20+H	20	52	21	17	35	14,00	7,88		0,237	R07
US 205 G2	25	52	27	15		14,00	7,88		0,170	R03
US 205 G2T04	25	52	27	15		14,00	7,88		0,210	R03
US 205 G2T20	25	52	27	15		14,00	7,88		0,170	R03
US 205-14 G2	7/8'	52	27	15		14,00	7,88		0,180	R03
US 205-15 G2	15/16'	52	27	15		14,00	7,88		0,180	R03
US 205-16 G2	1'	52	27	15		14,00	7,88		0,180	R03
CES 206	30	62	23,8	16	35,7	19,50	11,20		0,330	R10
CES 206-18	1-1/8'	62	23,8	16	35,7	19,50	11,20		0,350	R10
CES 206-19	1-3/16'	62	23,8	16	35,7	19,50	11,20		0,310	R10
CES 206-20	1-1/4'	62	23,8	16	35,7	19,50	11,20		0,280	R10
CEX 206	30	62	36,5	19	48,4	19,50	11,20		0,410	R11
CEX 206-18	1-1/8'	62	36,5	19	48,4	19,50	11,20		0,430	R11
CEX 206-19	1-3/16'	62	36,5	19	48,4	19,50	11,20		0,400	R11
CEX 206-20	1-1/4'	62	36,5	19	48,4	19,50	11,20		0,380	R11

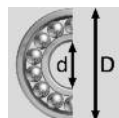
206 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
CUC 206	30	62	38,1	19		19,50	11,20		0,350	R08
CUC 206-18	1-1/8"	62	38,1	19		19,50	11,20		0,340	R08
CUC 206-19	1-3/16"	62	38,1	19		19,50	11,20		0,310	R08
CUC 206-20	1-1/4"	62	38,1	19		19,50	11,20		0,300	R08
CUS 206	30	62	30	16		19,50	11,20		0,270	R09
CUS 206-18	1-1/8"	62	30	16		19,50	11,20		0,280	R09
CUS 206-19	1-3/16"	62	30	16		19,50	11,20		0,250	R09
CUS 206-20	1-1/4"	62	30	16		19,50	11,20		0,240	R09
ES 206 G2	30	62	23,8	16	35,7	19,50	11,20		0,330	R04
ES 206 G2T04	30	62	23,8	16	35,7	19,50	11,20		0,330	R04
ES 206 G2T20	30	62	23,8	16	35,7	19,50	11,20		0,330	R04
ES 206-18 G2	1-1/8"	62	23,8	16	35,7	19,50	11,20		0,350	R04
ES 206-19 G2	1-3/16"	62	23,8	16	35,7	19,50	11,20		0,310	R04
ES 206-20 G2	1-1/4"	62	23,8	16	35,7	19,50	11,20		0,280	R04
EX 206 G2	30	62	36,4	19	48,3	19,50	11,20		0,410	R05
EX 206 G2L3	30	62	36,4	19	48,3	19,50	11,20		0,410	R05
EX 206 G2T04	30	62	36,4	19	48,3	19,50	11,20		0,410	R05
EX 206 G2T20	30	62	36,4	19	48,3	19,50	11,20		0,410	R05
EX 206-18 G2	1-1/8"	62	36,4	19	48,3	19,50	11,20		0,430	R05
EX 206-19 G2	1-3/16"	62	36,4	19	48,3	19,50	11,20		0,400	R05
EX 206-20 G2	1-1/4"	62	36,4	19	48,3	19,50	11,20		0,380	R05
MUC 206 FD	30	62	38,1	19		16,70	9,00	5300	0,310	R15
MUC 206-18 FD	1-1/8"	62	38,1	19		16,70	9,00	5300	0,308	R15
MUC 206-19 FD	1-3/16"	62	38,1	19		16,70	9,00	5300	0,308	R15
MUC 206-20 FD	1-1/4"	62	38,1	19		16,70	9,00	5300	0,296	R15
SES 206	30	62	23,8	16	35,7	15,30	11,50	5300	0,300	R16
SUC 206	30	62	38,1	19		15,30	11,50	5300	0,310	R15
SUC 206-19	1-3/16"	62	38,1	19		15,30	11,50	5300	0,320	R15
SUC 206-20	1-1/4"	62	38,1	19		15,30	11,50	5300	0,320	R15
UC 206 G2	30	62	38,1	19		19,50	11,20		0,320	R02
UC 206 G2T04	30	62	38,1	19		19,50	11,20		0,320	R02
UC 206 G2T20	30	62	38,1	19		19,50	11,20		0,320	R02
UC 206-18 G2	1-1/8"	62	38,1	19		19,50	11,20		0,340	R02
UC 206-18 G2L3	1-1/8"	62	38,1	19		19,50	11,20		0,340	R02
UC 206-18 G2T20	1-1/8"	62	38,1	19		19,50	11,20		0,300	R02
UC 206-19 G2L3	1-1/8"	62	38,1	19		19,50	11,20		0,310	R02
UC 206-19 G2T20	1-3/16"	62	38,1	19		19,50	11,20		0,310	R02
UC 206-20 G2	1-1/4"	62	38,1	19		19,50	11,20		0,300	R02
UC 206-20 G2L3	1-1/4"	62	38,1	19		19,50	11,20		0,300	R02
UC 206-20 G2T20	1-1/4"	62	38,1	19		19,50	11,20		0,300	R02
UK 206 G2	25	62	25	19		19,50	11,20		0,250	R06
UK 206 G2+H	25	62	25	19	38	19,50	11,20		0,380	R07
UK 206 G2+H-14	7/8"	62	25	19	38	19,50	11,20		0,400	R07
UK 206 G2+H-15	15/16"	62	25	19	38	19,50	11,20		0,390	R07
UK 206 G2+H-16	1"	62	25	19	38	19,50	11,20		0,360	R07
UK 206 G2L3H	25	62	25	19	38	19,50	11,20		0,376	R07
UK 206 G2T04+H	25	62	25	19	38	19,50	11,20		0,376	R07
UK 206 G2T20+H	25	62	25	19	38	19,50	11,20		0,376	R07
US 206 G2	30	62	30	16		19,50	11,20		0,270	R03
US 206 G2T04	30	62	30	16		19,50	11,20		0,270	R03
US 206 G2T20	30	62	30	16		19,50	11,20		0,270	R03
US 206-18 G2	1-1/8"	62	30	16		19,50	11,20		0,280	R03
US 206-19 G2	1-3/16"	62	30	16		19,50	11,20		0,250	R03
US 206-20 G2	1-1/4"	62	30	16		19,50	11,20		0,240	R03
CES 207	35	72	25,4	17	38,9	25,70	15,20		0,500	R10
CES 207-22	1-3/8"	72	25,4	17	38,9	25,70	15,20		0,510	R10
CES 207-23	1-7/16"	72	25,4	17	38,9	25,70	15,20		0,480	R10

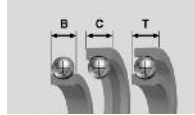
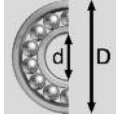


207 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
CEX 207	35	72	37,6	20	51,1	25,70	15,20		0,600	R11
CEX 207-22	1-3/8'	72	37,6	20	51,1	25,70	15,20		0,610	R11
CEX 207-23	1-7/16'	72	37,6	20	51,1	25,70	15,20		0,580	R11
CUC 207	35	72	42,9	20		25,70	15,20		0,470	R08
CUC 207-22	1-3/8'	72	42,9	20		25,70	15,20		0,480	R08
CUC 207-23	1-7/16'	72	42,9	20		25,70	15,20		0,450	R08
CUS 207	35	72	32	17		25,70	15,20		0,420	R09
CUS 207-22	1-3/8'	72	32	17		25,70	15,20		0,380	R09
CUS 207-23	1-7/16'	72	32	17		25,70	15,20		0,370	R09
ES 207 G2	35	72	25,4	17	38,9	25,70	15,20		0,500	R04
ES 207 G2T20	35	72	25,4	17	38,9	25,70	15,20		0,500	R04
ES 207-22 G2	1-3/8'	72	25,4	17	38,9	25,70	15,20		0,510	R04
ES 207-23 G2	1-7/16'	72	25,4	17	38,9	25,70	15,20		0,480	R04
ES 207 G2T04	35	72	25,4	17	38,9	25,70	15,20		0,500	R04
EX 207 G2	35	72	37,6	20	51,1	25,70	15,20		0,600	R05
EX 207 G2L3	35	72	37,6	20	51,1	25,70	15,20		0,600	R05
EX 207 G2T04	35	72	37,6	20	51,1	25,70	15,20		0,600	R05
EX 207 G2T20	35	72	37,6	20	51,1	25,70	15,20		0,600	R05
EX 207-20 G2	1-1/4'	72	37,6	20	51,1	25,70	15,20		0,600	R05
EX 207-22 G2	1-3/8'	72	37,6	20	51,1	25,70	15,20		0,610	R05
EX 207-23 G2	1-7/16'	72	37,6	20	51,1	25,70	15,20		0,580	R05
MUC 207 FD	35	72	42,9	20		22,00	12,30	4500	0,480	R15
MUC 207-20 FD	1-1/4'	72	42,9	20		22,00	12,30	4500	0,480	R15
MUC 207-22 FD	1-3/8'	72	42,9	20		22,00	12,30	4500	0,480	R15
MUC 207-23 FD	1-7/16'	72	42,9	20		22,00	12,30	4500	0,462	R15
SES 207	35	72	25,4	17	38,9	20,10	15,60	4500	50,000	R16
SUC 207	35	72	42,9	20		20,10	15,60	4500	0,460	R15
SUC 207-20	1-1/4'	72	42,9	20		20,10	15,60	4500	0,470	R15
SUC 207-22	1-3/8'	72	42,9	20		20,10	15,60	4500	0,470	R15
SUC 207-23	1-7/16'	72	42,9	20		20,10	15,60	4500	0,470	R15
UC 207 G2	35	72	42,9	20		25,70	15,20		0,470	R02
UC 207 G2 T20	35	72	42,9	20		25,70	15,20		0,470	R02
UC 207 G2T04	35	72	42,9	20		25,70	15,20		0,470	R02
UC 207-20 G2	1-1/4'	72	42,9	20		25,70	15,20		0,480	R02
UC 207-20 G2L3	1-1/4'	72	42,9	20		25,70	15,20		0,480	R02
UC 207-20 G2T20	1-1/4'	72	42,9	20		25,70	15,20		0,480	R02
UC 207-21 G2	1-5/16'	72	42,9	20		25,70	15,20		0,480	R02
UC 207-21 G2L3	1-5/16'	72	42,9	20		25,70	15,20		0,480	R02
UC 207-21 G2T20	1-5/16'	72	42,9	20		25,70	15,20		0,480	R02
UC 207-22 G2	1-3/8'	72	42,9	20		25,70	15,20		0,480	R02
UC 207-22 G2L3	1-3/8'	72	42,9	20		25,70	15,20		0,480	R02
UC 207-22 G2T20	1-3/8'	72	42,9	20		25,70	15,20		0,480	R02
UC 207-23 G2L3	1-7/16'	72	42,9	20		25,70	15,20		0,450	R02
UC 207-23 G2T20	1-7/16'	72	42,9	20		25,70	15,20		0,450	R02
UK 207 G2	30	72	27	20		25,70	15,20		0,370	R06
UK 207 G2+H	30	72	27	20	43	25,70	15,20		0,540	R07
UK 207 G2+H-18	1-1/8'	72	27	20	43	25,70	15,20		0,550	R07
UK 207 G2+H-19	1-3/16'	72	27	20	43	25,70	15,20		0,530	R07
UK 207 G2L3H	30	72	27	20	43	25,70	15,20		0,535	R07
UK 207 G2T04+H	30	72	27	20	43	25,70	15,20		0,535	R07
UK 207 G2T20+H	30	72	27	20	43	25,70	15,20		0,535	R07
US 207 G2	35	72	32	17		25,70	15,20		0,420	R03
US 207 G2T20	35	72	32	17		25,70	15,20		0,420	R03
US 207-22 G2	1-3/8'	72	32	17		25,70	15,20		0,380	R03
US 207-23 G2	1-7/16'	72	32	17		25,70	15,20		0,370	R03
US 207G1N	35	72	32	17		25,70	15,20		0,370	R03

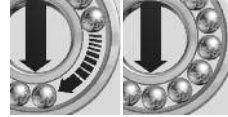
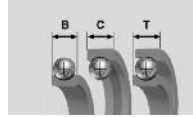
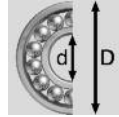
208 →



	d	D	B	C	T	C	Co	tr/mn	kg	
						x1000 Newtons				
CES 208	40	80	30,2	18	43,7	29,60	18,20		0,650	R10
CES 208-24	1-1/2'	80	30,2	18	43,7	29,60	18,20		0,680	R10
CEX 208	40	80	42,8	21	56,3	29,60	18,20		0,780	R11
CEX 208-24	1-1/2'	80	42,8	21	56,3	29,60	18,20		0,830	R11
CUC 208-24	1-1/2'	80	49,2	21		29,60	18,20		0,680	R08
CUS 208	40	80	34	18		29,60	18,20		0,480	R09
CUS 208-24	1-1/2'	80	34	18		29,60	18,20		0,600	R09
ES 208 G2	40	80	30,2	18	43,7	29,60	18,20		0,650	R04
ES 208 G2T04	40	80	30,2	18	43,7	29,60	18,20		0,650	R04
ES 208 G2T20	40	80	30,2	18	43,7	29,60	18,20		0,650	R04
ES 208-24 G2	1-1/2'	80	30,2	18	43,7	29,60	18,20		0,680	R04
EX 208 G2	40	80	42,8	21	56,3	29,60	18,20		0,780	R05
EX 208 G2L3	40	80	42,8	21	56,3	29,60	18,20		0,780	R05
EX 208 G2T04	40	80	42,8	21	56,3	29,60	18,20		0,780	R05
EX 208 G2T20	40	80	42,8	21	56,3	29,60	18,20		0,780	R05
EX 208-24 G2	1-1/2'	80	42,8	21	56,3	29,60	18,20		0,830	R05
MUC 208 FD	40	80	49,2	21		24,90	14,30	4000	0,620	R15
MUC 20824 FD	1-1/2'	80	49,2	21		24,90	14,30	4000	0,621	R15
SES 208	40	80	30,2	18	43,7	22,80	18,20	4000	0,650	R16
SUC 208	40	80	49,2	21		22,80	18,20	4000	0,630	R15
SUC 208-24	1-1/2'	80	49,2	21		22,80	18,20	4000	0,640	R15
UC 208 G2	40	80	49,2	21		29,60	18,20		0,640	R02
UC 208 G2L3	40	80	49,2	21		29,60	18,20		0,640	R02
UC 208 G2T04	40	80	49,2	21		29,60	18,20		0,640	R02
UC 208 G2T20	40	80	49,2	21		29,60	18,20		0,640	R02
UC 208-24 G2	1-1/2'	80	49,2	21		29,60	18,20		0,680	R02
UC 208-24 G2L3	1-1/2'	80	49,2	21		29,60	18,20		0,680	R02
UC 208-24 G2T20	1-1/2'	80	49,2	21		29,60	18,20		0,680	R02
UC 208-25 G2	1-9/16'	80	49,2	21		29,60	18,20		0,680	R02
UC 208-25 G2L3	1-9/16'	80	49,2	21		29,60	18,20		0,690	R02
UC 208-25 G2T20	1-9/16'	80	49,2	21		29,60	18,20		0,680	R02
UK 208 G2	35	80	29	21		29,60	18,20		0,480	R06
UK 208 G2+H	35	80	29	21	46	29,60	18,20		0,700	R07
UK 208 G2+H-20	1-1/4'	80	29	21	46	29,60	18,20		0,760	R07
UK 208 G2+H-22	1-3/8'	80	29	21	46	29,60	18,20		0,740	R07
UK 208 G2L3H	35	80	29	21	46	29,60	18,20		0,704	R07
UK 208 G2T04+H	35	80	29	21	46	29,60	18,20		0,704	R07
UK 208 G2T20+H	35	80	29	21	46	29,60	18,20		0,704	R07
US 208 G2	40	80	34	18		29,60	18,20		0,600	R03
US 208 G2T04	40	80	34	18		29,60	18,20		0,600	R03
US 208 G2T20	40	80	34	18		29,60	18,20		0,600	R03
US 208-24 G2	1-1/2'	80	34	18		29,60	18,20		0,600	R03
CES 209	45	85	30,2	19	43,7	31,85	20,80		0,690	R10
CES 209-26	1-5/8'	85	30,2	19	43,7	31,85	20,80		0,820	R10
CES 209-28	1-3/4'	85	30,2	19	43,7	31,85	20,80		0,730	R10
CEX 209	45	85	42,8	21	56,3	31,85	20,80		0,870	R11
CEX 209-26	1-5/8'	85	42,8	22	56,3	31,85	20,80		0,960	R11
CEX 209-27	1-11/16'	85	42,8	22	56,3	31,85	20,80		0,910	R11
CEX 209-28	1-3/4'	85	42,8	22	56,3	31,85	20,80		0,870	R11
CUC 209	45	85	49,2	22		31,85	20,80		0,680	R08
CUC 209-26	1-5/8'	85	49,2	22		31,85	20,80		0,780	R08
CUC 209-27	1-11/16'	85	49,2	22		31,85	20,80		0,740	R08
CUC 209-28	1-3/4'	85	49,2	22		31,85	20,80		0,700	R08

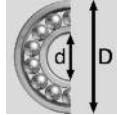


209 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
CUS 209	45	85	41,2	19		31,85	20,80		0,570	R09
CUS 209-26	1-5/8'	85	41,2	19		31,85	20,80		0,750	R09
CUS 209-27	1-11/16'	85	41,2	19		31,85	20,80		0,720	R09
CUS 209-28	1-3/4'	85	41,2	19		31,85	20,80		0,670	R09
ES 209 G2	45	85	30,2	18	43,7	31,85	20,80		0,690	R04
ES 209 G2T04	45	85	30,2	18	43,7	31,85	20,80		0,690	R04
ES 209 G2T20	45	85	30,2	18	43,7	31,85	20,80		0,690	R04
ES 209-26 G2	1-5/8'	85	30,2	18	43,7	31,85	20,80		0,820	R04
ES 209-27 G2	1-11/16'	85	30,2	18	43,7	31,85	20,80		0,760	R04
ES 209-28 G2	1-3/4'	85	30,2	18	43,7	31,85	20,80		0,730	R04
EX 209 G2	45	85	42,8	21	56,3	29,60	18,20		0,870	R05
EX 209 G2L3	45	85	42,8	21	56,3	31,85	20,80		0,870	R05
EX 209 G2T04	45	85	42,8	21	56,3	31,85	20,80		0,870	R05
EX 209 G2T20	45	85	42,8	21	56,3	31,85	20,80		0,870	R05
EX 209-26 G2	1-5/8'	85	42,8	21	56,3	29,60	18,20		0,960	R05
EX 209-27 G2	1-11/16'	85	42,8	21	56,3	29,60	18,20		0,910	R05
EX 209-28 G2	1-3/4'	85	42,8	21	56,3	29,60	18,20		0,870	R05
SES 209	45	85	30,2	19	43,7	25,70	20,80	3700	0,690	R16
SUC 209	45	85	49,2	22		25,70	20,80	3700	0,680	R15
SUC 209-28	1-3/4'	85	49,2	22		25,70	20,80	3700	0,680	R15
UC 209 G2	45	85	49,2	22		31,85	20,80		0,680	R02
UC 209 G2L3	45	85	49,2	22		31,85	20,80		0,680	R02
UC 209 G2T04	45	85	49,2	22		31,85	20,80		0,680	R02
UC 209 G2T20	45	85	49,2	22		31,85	20,80		0,680	R02
UC 209-26 G2	1-5/8'	85	49,2	22		31,85	20,80		0,780	R02
UC 209-26 G2L3	1-5/8'	85	49,2	22		31,85	20,80		0,780	R02
UC 209-26 G2T20	1-5/8'	85	49,2	22		31,85	20,80		0,740	R02
UC 209-27 G2	1-11/16'	85	49,2	22		31,85	20,80		0,740	R02
UC 209-27 G2L3	1-11/16'	85	49,2	22		31,85	20,80		0,740	R02
UC 209-27 G2T20	1-11/16'	85	49,2	22		31,85	20,80		0,740	R02
UC 209-28 G2	1-3/4'	85	49,2	22		31,85	20,80		0,700	R02
UC 209-28 G2L3	1-3/4'	85	49,2	22		31,85	20,80		0,700	R02
UC 209-28 G2T20	1-3/4'	85	49,2	22		31,85	20,80		0,700	R02
UK 209 G2	40	85	30	22		31,85	20,80		0,530	R06
UK 209 G2+H	40	85	30	22	50	31,85	20,80		0,810	R07
UK 209 G2+H-23	1-7/16'	85	30	22	50	31,85	20,80		0,800	R07
UK 209 G2+H-24	1-1/2'	85	30	22	50	31,85	20,80		0,840	R07
UK 209 G2L3H	40	85	30	22	50	31,85	20,80		0,810	R07
UK 209 G2T04+H	40	85	30	22	50	31,85	20,80		0,810	R07
UK 209 G2T20+H	40	85	30	22	50	31,85	20,80		0,810	R07
US 209 G2	45	85	41,2	19		31,85	20,80		0,800	R03
US 209 G2T04	45	85	41,2	19		31,85	20,80		0,680	R03
US 209 G2T20	45	85	41,2	19		31,85	20,80		0,650	R03
US 209-26 G2	1-5/8'	85	41,2	19		31,85	20,80		0,750	R03
US 209-27 G2	1-11/16'	85	41,2	19		31,85	20,80		0,720	R03
US 209-28 G2	1-3/4'	85	41,2	19		31,85	20,80		0,670	R03
CES 210	50	90	30,2	20	43,7	35,10	23,20		0,800	R10
CES 210-30	1-7/8'	90	30,2	20	43,7	35,10	23,20		0,850	R10
CES 210-31	1-15/16'	90	30,2	20	43,7	35,10	23,20		0,830	R10
CEX 210	50	90	49,2	24	62,7	35,10	23,20		1,010	R11
CEX 210-30	1-7/8'	90	49,2	24	62,7	35,10	23,20		1,100	R11
CEX 210-31	1-15/16'	90	49,2	24	62,7	35,10	23,20		1,040	R11
CUC 210	50	90	51,6	23		35,10	23,20		0,800	R08
CUC 210-30	1-7/8'	90	51,6	23		35,10	23,20		0,800	R08
CUC 210-31	1-15/16'	90	51,6	23		35,10	23,20		0,820	R08

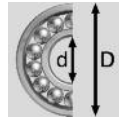
210 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
CUS 210	50	90	43,5	20		35,10	23,20		0,660	R09
CUS 210-30	1-7/8"	90	43,5	20		35,10	23,20		0,800	R09
CUS 210-31	1-15/16"	90	43,5	20		35,10	23,20		0,780	R09
ES 210 G2	50	90	30,2	20	43,7	35,10	23,20		0,800	R04
ES 210 G2T04	50	90	30,2	20	43,7	35,10	23,20		0,800	R04
ES 210 G2T20	50	90	30,2	20	43,7	35,10	23,20		0,800	R04
ES 210-30 G2	1-7/8"	90	30,2	20	43,7	35,10	23,20		0,850	R04
ES 210-31 G2	1-15/16"	90	30,2	20	43,7	35,10	23,20		0,830	R04
EX 210 G2	50	90	49,2	23	62,7	35,10	23,20		1,010	R05
EX 210 G2L3	50	90	49,2	23	62,7	35,10	23,20		1,010	R05
EX 210 G2T04	50	90	49,2	23	62,7	35,10	23,20		1,010	R05
EX 210 G2T20	50	90	49,2	23	62,7	35,10	23,20		1,010	R05
EX 210-30 G2	1-7/8"	90	49,2	23	62,7	35,10	23,20		1,100	R05
EX 210-31 G2	1-15/16"	90	49,2	23	62,7	35,10	23,20		1,010	R05
SES 210	50	90	30,2	20	43,7	27,50	23,70	3400	0,800	R16
SUC 210	50	90	51,6	24		25,70	23,70	3400	0,780	R15
SUC 210-31	1-15/16"	90	55,6	24		34,00	25,50	3100	0,800	R15
SUC 210-32	2"	90	51,6	24		25,70	23,70	3400	0,800	R15
UC 210 G2	50	90	51,6	23		35,10	23,20		0,800	R02
UC 210 G2L3	50	90	51,6	23		35,10	23,20		0,800	R02
UC 210 G2T20	50	90	51,6	23		35,10	23,20		0,800	R02
UC 210-30 G2	1-7/8"	90	51,6	23		35,10	23,20		0,870	R02
UC 210-30 G2L3	1-7/8"	90	51,6	23		35,10	23,20		0,870	R02
UC 210-30 G2T20	1-7/8"	90	51,6	23		35,10	23,20		0,870	R02
UC 210-31 G2	1-15/16"	90	51,6	23		35,10	23,20		0,820	R02
UC 210-31 G2L3	1-15/16"	90	51,6	23		35,10	23,20		0,820	R02
UK 210 G2	45	90	31	23		35,10	23,20		0,590	R06
UK 210 G2+H	45	90	31	23	55	35,10	23,20		0,950	R07
UK 210 G2+H-26	1-5/8"	90	31	23	55	35,10	23,20		1,000	R07
UK 210 G2+H-27	1-11/16"	90	31	23	55	35,10	23,20		0,990	R07
UK 210 G2+H-28	1-3/4"	90	31	23	55	35,10	23,20		0,950	R07
UK 210 G2L3H	45	90	31	23	55	35,10	23,20		0,952	R07
UK 210 G2T04+H	45	90	31	23	55	35,10	23,20		0,952	R07
UK 210 G2T20+H	45	90	31	23	55	35,10	23,20		0,952	R07
US 210 G2	50	90	43,5	20		35,10	23,20		0,800	R03
US 210 G2T04	50	90	43,5	20		35,10	23,20		0,800	R03
US 210 G2T20	50	90	43,5	20		35,10	23,20		0,760	R03
US 210-30 G2	1-7/8"	90	43,5	20		35,10	23,20		0,800	R03
US 210-31 G2	1-15/16"	90	43,5	20		35,10	23,20		0,780	R03
ES 211 G2	55	100	32,5	24	48,4	43,55	29,20		0,870	R04
ES 211 G2T04	55	100	32,5	24	48,4	43,55	29,20		0,870	R04
ES 211 G2T20	55	100	32,5	24	48,4	43,55	29,20		0,870	R04
ES 211-32 G2	2"	100	32,5	24	48,4	43,55	29,20		1,180	R04
ES 211-35 G2	2-3/16"	100	32,5	24	48,4	43,55	29,20		0,810	R04
EX 211 G2	55	100	55,4	25	71,3	43,55	29,20		1,390	R05
EX 211 G2L3	55	100	55,4	25	71,3	43,55	29,20		1,390	R05
EX 211 G2T04	55	100	55,4	25	71,3	43,55	29,20		1,390	R05
EX 211 G2T20	55	100	55,4	25	71,3	43,55	29,20		1,390	R05
EX 211-32 G2	2"	100	55,4	25	71,3	43,55	29,20		1,580	R05
EX 211-35 G2	2-3/16"	100	55,4	25	71,3	43,55	29,20		1,360	R05
SES 211	55	100	32,5	21	48,4	34,00	25,50	3100	0,870	R16
SUC 211	55	100	55,6	25		34,00	25,50	3100	1,070	R15
SUC 211-35	2-3/16"	100	55,6	25		34,00	25,50	3100	1,120	R15
UC 211 G2	55	100	55,6	25		43,55	29,20		1,120	R02
UC 211 G2L3	55	100	55,6	25		43,55	29,20		1,120	R02
UC 211 G2T04	55	100	55,6	25		43,55	29,20		1,120	R02

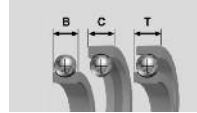
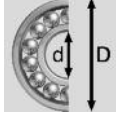


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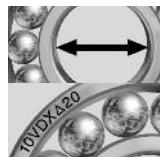
	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
UC 211 G2T20	55	100	55,6	25		43,55	29,20		1,120	R02
UC 211-32 G2L3	2'	100	55,6	25		43,55	29,20		1,270	
UC 211-32 G2T20	2'	100	55,6	25		43,55	29,20		1,270	R02
UC 211-34 G2	2-1/8'	100	55,6	25		43,55	29,20		1,100	R02
UC 211-34 G2L3	2-1/8'	100	55,6	25		43,55	29,20		1,100	
UC 211-34 G2T20	2-1/8'	100	55,6	25		43,55	29,20		1,100	R02
UC 211-35 G2	2-3/16'	100	55,6	25		43,55	29,20		1,100	R02
UC 211-35 G2L3	2-3/16'	100	55,6	25		43,55	29,20		1,100	
UC 211-35 G2T20	2-3/16'	100	55,6	25		43,55	29,20		1,100	R02
UK 211 G2	50	100	33	25		43,55	29,20		0,770	R06
UK 211 G2+H	50	100	33	25	59	43,55	29,20		1,190	R07
UK 211 G2+H-30	1-7/8'	100	33	25	59	43,55	29,20		1,200	R07
UK 211 G2+H-31	1-15/16'	100	33	25	59	43,55	29,20		1,190	R07
UK 211 G2+H-32	2'	100	33	25	59	43,55	29,20		1,130	R07
UK 211 G2L3H	50	100	33	25	59	43,55	29,20		1,190	
UK 211 G2T04+H	50	100	33	25	59	43,55	29,20		1,190	R07
UK 211 G2T20+H	50	100	33	25	59	43,55	29,20		1,190	R07
US 211 G2	55	100	45,3	23		43,55	29,20		1,100	R03
US 211 G2T04	55	100	45,3	23		43,55	29,20		1,070	R03
US 211 G2T20	55	100	45,3	23		43,55	29,20		1,070	R03
US 211-32 G2	2'	100	45,3	23		43,55	29,20		1,100	R03
US 211-35 G2	2-3/16'	100	45,3	23		43,55	29,20		1,050	R03
ES 212 G2	60	110	33,4	24	49,3	52,50	32,80		1,200	R04
ES 212 G2T04	60	110	33,4	24	49,3	52,50	32,80		1,200	R04
ES 212 G2T20	60	110	33,4	24	49,3	52,50	32,80		1,200	R04
ES 212-36 G2	2-1/4'	110	33,4	24	49,3	52,50	32,80		1,300	R04
ES 212-39 G2	2-7/16'	110	33,4	24	49,3	52,50	32,80		1,090	R04
EX 212 G2	60	110	61,8	27	77,7	52,50	32,80		1,870	R05
EX 212 G2L3	60	110	61,8	27	77,7	52,50	32,80		1,870	
EX 212 G2T04	60	110	61,8	27	77,7	52,50	32,80		1,870	R05
EX 212 G2T20	60	110	61,8	27	77,7	52,50	32,80		1,870	R05
EX 212-36 G2	2-1/4'	110	61,8	27	77,7	52,50	32,80		2,030	R05
EX 212-39 G2	2-7/16'	110	61,8	27	77,7	52,50	32,80		1,870	R05
SES 212	60	110	37,1	22	53,1	41,00	31,50	2800	1,200	R16
SUC 212	60	110	65,1	27		41,00	31,50	2800	1,520	R15
SUC 212-39	2-7/16'	110	65,1	27		41,00	31,50	2800	1,530	R15
UC 212 G2	60	110	65,1	27		52,50	32,80		1,530	R02
UC 212 G2L3	60	110	65,1	27		52,50	32,80		1,530	
UC 212 G2T04	60	110	65,1	27		52,50	32,80		1,530	R02
UC 212 G2T20	60	110	65,1	27		52,50	32,80		1,530	R02
UC 212 T20	60	110	65,1	27		52,50	32,80		1,530	R02
UC 212-36 G2	2-1/4'	110	65,1	27		52,50	32,80		1,670	R02
UC 212-36 G2L3	2-1/4'	110	65,1	27		52,50	32,80		1,670	
UC 212-36 G2T20	2-1/4'	110	65,1	27		52,50	32,80		1,670	R02
UC 212-38 G2	2-3/8'	110	65,1	27		52,50	32,80		1,450	R02
UC 212-38 G2L3	2-3/8'	110	65,1	27		52,50	32,80		1,450	
UC 212-38 G2T20	2-3/8'	110	65,1	27		52,50	32,80		1,450	R02
UC 212-39 G2	2-7/16'	110	65,1	27		52,50	32,80		1,450	R02
UC 212-39 G2L3	2-7/16'	110	65,1	27		52,50	32,80		1,450	
UK 212 G2	55	110	36	27		52,50	32,80		1,030	R06
UK 212 G2+H	55	110	36	27	62	52,50	32,80		1,510	R07
UK 212 G2L3H	55	110	36	27	62	52,50	32,80		1,511	
UK 212 G2T04+H	55	110	36	27	62	52,50	32,80		1,511	R07
UK 212 G2T20+H	55	110	36	27	62	52,50	32,80		1,511	R07
US 212 G2	60	110	53,7	24		52,50	32,80		1,300	R03
US 212 G2T04	60	110	53,7	24		52,50	32,80		1,300	R03
US 212 G2T20	60	110	53,7	24		52,50	32,80		1,300	R03

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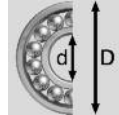


d D B C T C Co tr/mn kg
x1000 Newtons

US 212-36 G2	2-1/4'	110	53,7	24		52,50	32,80		1,300	R03
US 212-39 G2	2-7/16'	110	53,7	24		52,50	32,80		1,220	R03
EX 213 G2	65	120	68,2	28	85,7	57,20	40,00		2,410	R05
EX 213 G2L3	65	120	68,2	28	85,7	57,20	40,00		2,410	
EX 213 G2T04	65	120	68,2	28	85,7	57,20	40,00		2,410	R05
EX 213 G2T20	65	120	68,2	28	85,7	57,20	40,00		2,410	R05
EX 213-40 G2	2-1/2'	120	68,2	28	85,7	57,20	40,00		2,510	R05
UC 213 G2	65	120	65,1	28		57,20	40,00		1,860	R02
UC 213 G2L3	65	120	65,1	28		57,20	40,00		1,860	
UC 213 G2T04	65	120	65,1	28		57,20	40,00		1,860	R02
UC 213 G2T20	65	120	65,1	28		57,20	40,00		1,860	R02
UC 213-40 G2	2-1/2'	120	65,1	28		57,20	40,00		1,940	R02
UC 213-40 G2L3	2-1/2'	120	65,1	28		57,20	40,00		1,940	
UC 213-40 G2T20	2-1/2'	120	65,1	28		57,20	40,00		1,940	R02
UK 213 G2	60	120	36	28		57,20	40,00		1,360	R06
UK 213 G2+H	60	120	36	28	65	57,20	40,00		1,920	R07
UK 213 G2+H-35	2-3/16'	120	36	28	65	57,20	40,00		2,110	R07
UK 213 G2+H-36	2-1/4'	120	36	28	65	57,20	40,00		2,010	R07
UK 213 G2L3H	60	120	36	28	65	57,20	40,00		1,917	
UK 213 G2T04+H	60	120	36	28	65	57,20	40,00		1,917	R07
UK 213 G2T20+H	60	120	36	28	65	57,20	40,00		1,917	R07
EX 214 G2	70	125	68,2	28	85,7	62,00	45,00		2,570	R05
EX 214 G2L3	70	125	68,2	28	85,7	62,00	45,00		2,570	
EX 214 G2T04	70	125	68,2	28	85,7	62,00	45,00		2,570	R05
EX 214 G2T20	70	125	68,2	28	85,7	62,00	45,00		2,570	R05
EX 214-43 G2	2-11/16'	125	68,2	28	85,7	62,00	45,00		2,620	R05
EX 214-44 G2	2-3/4'	125	68,2	28	85,7	62,00	45,00		2,580	R05
UC 214 G2	70	125	74,6	30		62,00	45,00		2,050	R02
UC 214 G2L3	70	125	74,6	30		62,00	45,00		2,050	
UC 214 G2T04	70	125	74,6	30		62,00	45,00		2,050	R02
UC 214 G2T20	70	125	74,6	30		62,00	45,00		2,050	R02
UC 214-43 G2	2-11/16'	125	74,6	30		62,00	45,00		2,020	R02
UC 214-43 G2L3	2-11/16'	125	74,6	30		62,00	45,00		2,020	
UC 214-43 G2T20	2-11/16'	125	74,6	30		62,00	45,00		2,020	R02
UC 214-44 G2	2-3/4'	125	74,6	30		62,00	45,00		2,060	R02
UC 214-44 G2L3	2-3/4'	125	74,6	30		62,00	45,00		2,060	
UC 214-44 G2T20	2-3/4'	125	74,6	30		62,00	45,00		2,060	R02
EX 215 G2	75	130	74,6	30	92,1	66,00	49,50		2,840	R05
EX 215 G2L3	75	130	74,6	30	92,1	66,00	49,50		2,840	
EX 215 G2T04	75	130	74,6	30	92,1	66,00	49,50		2,840	R05
EX 215 G2T20	75	130	74,6	30	92,1	66,00	49,50		2,840	R05
EX 215-47 G2	2-15/16'	130	74,6	30	92,1	66,00	49,50		2,800	R05
EX 215-48 G2	3'	130	74,6	30	92,1	66,00	49,50		2,740	R05
UC 215 G2	75	130	77,8	30		66,00	49,50		2,210	R02
UC 215 G2L3	75	130	77,8	30		66,00	49,50		2,210	
UC 215 G2T04	75	130	77,8	30		66,00	49,50		2,210	R02
UC 215 G2T20	75	130	77,8	30		66,00	49,50		2,210	R02
UC 215-47 G2	2-15/16'	130	77,8	30		66,00	49,50		2,300	R02
UC 215-47 G2T20	2-15/16'	130	77,8	30		66,00	49,50		2,300	R02
UC 215-48 G2L3	3'	130	77,8	30		66,00	49,50		2,130	
UC 215-48 G2T20	3'	130	77,8	30		66,00	49,50		2,130	R02
UK 215 G2	65	130	41	30		66,00	49,50		1,670	R06
UK 215 G2+H	65	130	41	30	73	66,00	49,50		2,720	R07
UK 215 G2+H-39	2-7/16'	130	41	30	73	66,00	49,50		2,820	R07
UK 215 G2+H-40	2-1/2'	130	41	30	73	66,00	49,50		2,810	R07
UK 215 G2L3H	65	130	41	30	73	66,00	49,50		2,720	
UK 215 G2T04+H	65	130	41	30	73	66,00	49,50		2,720	R07
UK 215 G2T20+H	65	130	41	30	73	66,00	49,50		2,720	R07

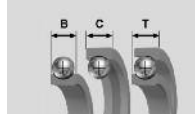
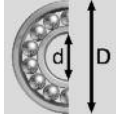


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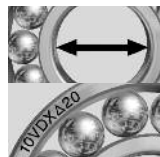


	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
EX 216 G2	80	140	74,6	33	95,2	72,50	54,20		3,120	R05
EX 216 G2L3	80	140	74,6	33	95,2	72,50	54,20		3,120	
EX 216 G2T04	80	140	74,6	33	95,2	72,50	54,20		3,120	R05
EX 216 G2T20	80	140	74,6	33	95,2	72,50	54,20		3,120	R05
UC 216 G2	80	140	82,6	33		72,50	54,20		2,790	R02
UC 216 G2L3	80	140	82,6	33		72,50	54,20		2,790	
UC 216 G2T04	80	140	82,6	33		72,50	54,20		2,790	R02
UC 216 G2T20	80	140	82,6	33		72,50	54,20		2,790	R02
UK 216 G2	70	140	44	33		72,50	54,20		1,960	R06
UK 216 G2+H	70	140	44	33	78	72,50	54,20		3,240	R07
UK 216 G2+H-43	2-11/16'	140	44	33	78	72,50	54,20		3,260	R07
UK 216 G2+H-44	2-3/4'	140	44	33	78	72,50	54,20		3,160	R07
UK 216 G2L3H	70	140	44	33	78	72,50	54,20		3,240	
UK 216 G2T04+H	70	140	44	33	78	72,50	54,20		3,240	R07
UK 216 G2T20+H	70	140	44	33	78	72,50	54,20		3,240	R07
EX 217 G2	85	150	53,2	35	71	83,20	63,80		3,720	R05
EX 217 G2L3	85	150	53,2	35	71	83,20	63,80		3,720	
EX 217 G2T04	85	150	53,2	35	71	83,20	63,80		3,720	R05
EX 217 G2T20	85	150	53,2	35	71	83,20	63,80		3,720	R05
EX 217-52 G2	3-1/4'	150	53,2	35	71	83,20	63,80		3,650	R05
UC 217 G2	85	150	85,7	35		83,20	63,80		3,380	R02
UC 217 G2L3	85	150	85,7	35		83,20	63,80		3,380	
UC 217 G2T04	85	150	85,7	35		83,20	63,80		3,380	R02
UC 217 G2T20	85	150	85,7	35		83,20	63,80		3,380	R02
UC 217-52 G2	3-1/4'	150	85,7	35		83,20	63,80		3,320	R02
UC 217-52 G2L3	3-1/4'	150	85,7	35		83,20	63,80		3,320	
UC 217-52 G2T20	3-1/4'	150	85,7	35		83,20	63,80		3,320	R02
UK 217 G2	75	150	44	35		83,20	63,80		2,420	R06
UK 217 G2+H	75	150	44	35	82	83,20	63,80		3,870	R07
UK 217 G2+H-47	2-15/16'	150	44	35	82	83,20	63,80		3,820	R07
UK 217 G2+H-48	3'	150	44	35	82	83,20	63,80		3,720	R07
UK 217 G2L3H	75	150	44	35	82	83,20	63,80		3,870	
UK 217 G2T04+H	75	150	44	35	82	83,20	63,80		3,870	R07
UK 217 G2T20+H	75	150	44	35	82	83,20	63,80		3,870	R07
EX 218 G2	90	160	55	37	72,5	96,00	71,50		4,900	R05
EX 218 G2L3	90	160	55	37	72,5	96,00	71,50		5,000	
EX 218 G2T04	90	160	55	37	72,5	96,00	71,50		5,000	R05
EX 218 G2T20	90	160	55	37	72,5	96,00	71,50		5,000	R05
EX 218-56 G2	3-1/2'	160	55	37	72,5	96,00	71,50		5,000	R05
UC 218 G2	90	160	96	37		96,00	71,50		4,450	R02
UC 218 G2L3	90	160	96	37		96,00	71,50		4,450	
UC 218 G2T04	90	160	96	37		96,00	71,50		4,450	R02
UC 218 G2T20	90	160	96	37		96,00	71,50		4,450	R02
UC 218-56 G2	3-1/2'	160	96	37		96,00	71,50		4,560	R02
UC 218-56 G2L3	3-1/2'	160	96	37		96,00	71,50		5,460	
UC 218-56 G2T20	3-1/2'	160	96	37		96,00	71,50		4,560	R02
UK 218 G2	80	160	48	37		96,00	71,50		3,000	R06
UK 218 G2+H	80	160	48	37	86	96,00	71,50		4,690	R07
UK 218 G2L3H	80	160	48	37	86	96,00	71,50		4,690	
UK 218 G2T04+H	80	160	48	37	86	96,00	71,50		4,690	R07
UK 218 G2T20+H	80	160	48	37	86	96,00	71,50		4,690	R07
EX 305 G2	25	62	34,9	21	46,8	22,36	11,50		0,430	R05
EX 305-14 G2	7/8'	62	34,9	21	46,8	22,36	11,50		0,430	R05
EX 305-15 G2	15/16'	62	34,9	21	46,8	22,36	11,50		0,430	R05
EX 305-16 G2	1'	62	34,9	21	46,8	22,36	11,50		0,430	R05

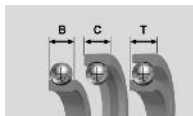
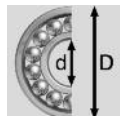
305 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
UC 305 G2	25	62	38	21		22,36	11,50		0,350	R02
UC 305-14 G2	7/8'	62	38	21		22,36	11,50		0,350	R02
UC 305-15 G2	15/16'	62	38	21		22,36	11,50		0,350	R02
UC 305-16 G2	1'	62	38	21		22,36	11,50		0,340	R02
UK 305 G2	20	62	27	21		22,36	11,50		0,400	R06
UK 305 G2+H	20	62	27	21	35	22,36	11,50		0,490	R07
UK 305 G2+H-12	3/4'	62	27	21	35	22,36	11,50		0,490	R07
EX 306 G2	30	72	36,5	24	50	27,00	15,20		0,680	R05
EX 306-18 G2	1-1/8'	72	36,5	24	50	27,00	15,20		0,710	R05
EX 306-19 G2	1-3/16'	72	36,5	24	50	27,00	15,20		0,680	R05
UC 306 G2	30	72	43	24		27,00	15,20		0,560	R02
UC 306-18 G2	1-1/8'	72	43	24		27,00	15,20		0,580	R02
UC 306-19 G2	1-3/16'	72	43	24		27,00	15,20		0,560	R02
UK 306 G2	25	72	30	24		27,00	15,20		0,460	R06
UK 306 G2+H	25	72	30	24	38	27,00	15,20		0,590	R07
UK 306 G2+H-14	7/8'	72	30	24	38	27,00	15,20		0,610	R07
UK 306 G2+H-15	15/16'	72	30	24	38	27,00	15,20		0,600	R07
UK 306 G2+H-16	1'	72	30	24	38	27,00	15,20		0,570	R07
EX 307 G2	35	80	38,1	25	51,6	33,50	19,20		0,800	R05
EX 307-20 G2	1-1/4'	80	38,1	25	51,6	33,50	19,20		0,860	R05
EX 307-22 G2	1-3/8'	80	38,1	25	51,6	33,50	19,20		0,800	R05
EX 307-23 G2	1-7/16'	80	38,1	25	51,6	33,50	19,20		0,780	R05
UC 307 G2	35	80	48	25		33,50	19,20		0,710	R02
UC 307-20 G2	1-1/4'	80	48	25		33,50	19,20		0,770	R02
UC 307-22 G2	1-3/8'	80	48	25		33,50	19,20		0,710	R02
UC 307-23 G2	1-7/16'	80	48	25		33,50	19,20		0,700	R02
UK 307 G2	30	80	33	25		33,50	19,20		0,750	R06
UK 307 G2+H	30	80	33	25	43	33,50	19,20		0,920	R07
UK 307 G2+H-18	1-1/8'	80	33	25	43	33,50	19,20		0,930	R07
UK 307 G2+H-19	1-3/16'	80	33	25	43	33,50	19,20		0,910	R07
EX 308 G2	40	90	41,3	28	57,1	40,56	24,00		1,080	R05
EX 308-24 G2	1-1/2'	90	41,3	28	57,1	40,56	24,00		1,130	R05
UC 308 G2	40	90	52	28		40,56	24,00		0,960	R02
UC 308-24 G2	1-1/2'	90	52	28		40,56	24,00		1,000	R02
UK 308 G2	35	90	35	28		40,56	24,00		0,810	R06
UK 308 G2+H	35	90	35	28	46	40,56	24,00		1,030	R07
UK 308 G2+H-20	1-1/4'	90	35	28	46	40,56	24,00		1,090	R07
UK 308 G2+H-22	1-3/8'	90	35	28	46	40,56	24,00		1,090	R07
EX 309 G2	45	100	42,9	30	58,7	53,00	31,80		1,450	R05
EX 309-26 G2	1-5/8'	100	42,9	30	58,7	53,00	31,80		1,570	R05
EX 309-27 G2	1-11/16'	100	42,9	30	58,7	53,00	31,80		1,520	R05
EX 309-28 G2	1-3/4'	100	42,9	30	58,7	53,00	31,80		1,470	R05
UC 309 G2	45	100	57	30		53,00	31,80		1,280	R02
UC 309-26 G2	1-5/8'	100	57	30		53,00	31,80		1,360	R02
UC 309-27 G2	1-11/16'	100	57	30		53,00	31,80		1,330	R02
UC 309-28 G2	1-3/4'	100	57	30		53,00	31,80		1,300	R02
UK 309 G2	40	100	38	30		53,00	31,80		1,190	R06
UK 309 G2+H	40	100	38	30	50	53,00	31,80		1,470	R07
UK 309 G2+H-23	1-7/16'	100	38	30	50	53,00	31,80		1,460	R07
UK 309 G2+H-24	1-1/2'	100	38	30	50	53,00	31,80		1,500	R07
EX 310 G2	50	110	49,2	32	66,6	62,00	37,80		1,860	R05
EX 310-30 G2	1-7/8'	110	49,2	32	66,6	62,00	37,80		1,930	R05

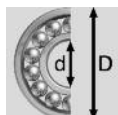


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	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
EX 310-31 G2	1-15/16'	110	49,2	32	66,6	62,00	37,80		1,880	R05
UC 310 G2	50	110	61	32		62,00	37,80		1,650	R02
UC 310-30 G2	1-7/8'	110	61	32		62,00	37,80		1,740	R02
UC 310-31 G2	1-15/16'	110	61	32		62,00	37,80		1,680	R02
UK 310 G2	45	110	40	32		62,00	37,80		1,380	R06
UK 310 G2+H	45	110	40	32	55	62,00	37,80		1,740	R07
UK 310 G2+H-26	1-5/8'	110	40	32	55	62,00	37,80		1,680	R07
UK 310 G2+H-27	1-11/16'	110	40	32	55	62,00	37,80		1,780	R07
UK 310 G2+H-28	1-3/4'	110	40	32	55	62,00	37,80		1,740	R07
EX 311 G2	55	120	55,6	34	73	71,50	44,80		2,300	R05
EX 311-32 G2	2'	120	55,6	34	73	71,50	44,80		2,490	R05
EX 311-35 G2	2-3/16'	120	55,6	34	73	71,50	44,80		2,240	R05
UC 311 G2	55	120	66	34		71,50	44,80		1,900	R02
UC 311-32 G2	2'	120	66	34		71,50	44,80		2,080	R02
UC 311-35 G2	2-3/16'	120	66	34		71,50	44,80		1,870	R02
UK 311 G2	50	120	43	34		71,50	44,80		1,780	R06
UK 311 G2+H	50	120	43	34	59	71,50	44,80		2,200	R07
UK 311 G2+H-30	1-7/8'	120	43	34	59	71,50	44,80		2,210	R07
UK 311 G2+H-31	1-15/16'	120	43	34	59	71,50	44,80		2,200	R07
UK 311 G2+H-32	2'	120	43	34	59	71,50	44,80		2,140	R07
EX 312 G2	60	130	61,9	36	79,4	81,60	51,80		2,890	R05
EX 312-36 G2	2-1/4'	130	61,9	36	79,4	81,60	51,80		2,950	R05
EX 312-39 G2	2-7/16'	130	61,9	36	79,4	81,60	51,80		2,860	R05
UC 312 G2	60	130	71	36		81,60	51,80		2,600	R02
UC 312-36 G2	2-1/4'	130	71	36		81,60	51,80		2,650	R02
UC 312-39 G2	2-7/16'	130	71	36		81,60	51,80		2,500	R02
UK 312 G2	55	130	47	36		81,60	51,80		2,060	R06
UK 312 G2+H	55	130	47	36	62	81,60	51,80		2,540	R07
EX 313 G2	65	140	65,1	38	85,7	93,86	60,50		3,660	R05
EX 313-40 G2	2-1/2'	140	65,1	38	85,7	93,86	60,50		3,850	R05
UC 313 G2	65	140	75	38		93,86	60,50		3,250	R02
UC 313-40 G2	2-1/2'	140	75	38		93,86	60,50		3,300	R02
UK 313 G2	60	140	49	38		93,86	60,50		2,710	R06
UK 313 G2+H	60	140	49	38	65	93,86	60,50		3,270	R07
UK 313 G2+H-35	2-3/16'	140	49	38	65	93,86	60,50		3,460	R07
UK 313 G2+H-36	2-1/4'	140	49	38	65	93,86	60,50		3,360	R07
EX 314 G2	70	150	68,3	40	92,1	104,26	68,00		4,500	R05
EX 314-43 G2	2-11/16'	150	68,3	40	92,1	104,26	68,00		4,450	R05
EX 314-44 G2	2-3/4'	150	68,3	40	92,1	104,26	68,00		4,400	R05
UC 314 G2	70	150	78	40		104,26	68,00		3,950	R02
UC 314-43 G2	2-11/16'	150	78	40		104,26	68,00		4,000	R02
UC 314-44 G2	2-3/4'	150	78	40		104,26	68,00		3,960	R02
EX 315 G2	75	160	74,6	42	100	113,36	76,80		5,340	R05
EX 315-47 G2	2-15/16'	160	74,6	42	100	113,36	76,80		5,400	R05
EX 315-48 G2	3'	160	74,6	42	100	113,36	76,80		5,280	R05
UC 315 G2	75	160	82	42		113,36	76,80		4,330	R02
UC 315-47 G2	2-15/16'	160	82	42		113,36	76,80		4,290	R02
UC 315-48 G2	3'	160	82	42		113,36	76,80		4,240	R02
UK 315 G2	65	160	55	42		113,36	76,80		3,980	R06
UK 315 G2+H	65	160	55	42	73	113,36	76,80		5,030	R07

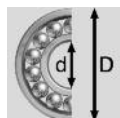
315 →



	d	D	B	C	T	C	Co	tr/mn	kg	
	x1000 Newtons									
UK 315 G2+H-39	2-7/16'	160	55	42	73	113,36	76,80		5,130	R07
UK 315 G2+H-40	2-1/2'	160	55	42	73	113,36	76,80		5,100	R07
EX 316 G2	80	170	81	44	106,4	122,85	86,50		6,700	R05
UC 316 G2	80	170	86	44		122,85	86,50		5,570	R02
UK 316 G2	70	170	55	44		122,85	86,50		4,550	R06
UK 316 G2+H	70	170	55	44	78	122,85	86,50		5,830	R07
UK 316 G2+H-43	2-11/16'	170	55	44	78	122,85	86,50		5,850	R07
UK 316 G2+H-44	2-3/4'	170	55	44	78	122,85	86,50		5,750	R07
EX 317 G2	85	180	84,1	46	109,5	132,60	96,50		7,960	R05
EX 317-52 G2	3-1/4'	180	84,1	46	109,5	132,60	96,50		7,880	R05
UC 317 G2	85	180	96	46		132,60	96,50		6,840	R02
UC 317-52 G2	3-1/4'	180	86	46		122,85	86,50		6,760	R02
UK 317 G2	75	180	60	46		132,60	96,50		5,440	R06
UK 317 G2+H	75	180	60	46	82	132,60	96,50		6,890	R07
UK 317 G2+H-47	2-15/16'	180	60	46	82	132,60	96,50		6,840	R07
UK 317 G2+H-48	3'	180	60	46	82	132,60	96,50		6,740	R07
EX 318 G2	90	190	87,3	48	115,9	143,00	108,00		9,100	R05
EX 318-56 G2	3-1/2'	190	87,3	48	115,9	143,00	108,00		9,200	R05
UC 318 G2	90	190	96	48		143,00	108,00		7,870	R02
UC 318-56 G2	3-1/2'	190	96	48		132,60	96,50		8,030	R02
UK 318 G2	80	190	60	48		143,00	108,00		6,250	R06
UK 318 G2+H	80	190	60	48	86	143,00	108,00		7,940	R07
EX 319 G2	95	200	93,7	50	122,3	156,00	122,00		10,400	R05
UC 319 G2	95	200	103	50		156,00	122,00		8,910	R02
UK 319 G2	85	200	66	50		156,00	122,00		7,310	R06
UK 319 G2+H	85	200	66	50	90	156,00	122,00		9,230	R07
UK 319 G2+H-55	3-1/4'	200	66	50	90	156,00	122,00		9,660	R07
EX 320 G2	100	215	100	54	128,6	171,60	140,00		13,000	R05
EX 320-64 G2	4'	215	100	54	128,6	171,60	140,00		12,850	R05
UC 320 G2	100	215	108	54		171,60	140,00		11,200	R02
UC 320-64 G2	4'	215	96	54		143,00	108,00		11,000	R02
UK 320 G2	90	215	68	54		171,60	140,00		8,820	R06
UK 320 G2+H	90	215	68	54	97	171,60	140,00		10,970	R07
UK 320 G2+H-56	3-1/2'	215	68	54	97	171,60	140,00		10,620	R07
UC 322 G2	110	240	117	60		205,00	178,00		14,300	R02
UK 322 G2	100	240	80	60		205,00	178,00		14,900	R06
UK 322 G2+H	100	240	80	60	105	205,00	178,00		17,640	R07
UC 324 G2	120	260	126	64		228,00	208,00		18,500	R02
UK 324 G2	110	260	86	64		228,00	208,00		18,000	R06
UK 324 G2+H	110	260	86	64	112	228,00	208,00		21,190	R07
UC 326 G2	130	280	135	68		252,00	242,00		23,000	R02
UK 326 G2	115	280	92	68		252,00	242,00		23,300	R06
UK 326 G2+H	115	280	92	68	121	252,00	242,00		27,900	R07
UC 328 G2	140	300	145	73		275,00	272,00		28,500	R02



328 →



	d	D	B	C	T	C	Co	tr/mn	kg	
						x1000 Newtons				
UK 328 G2	125	300	98	72		275,00	272,00		28,900	R06
UK 328 G2+H	125	300	98	72	131	275,00	272,00		34,250	R07
1012 EES	19,05	47	30,95	14		12,80	6,60	10000	0,123	A55
1017/12 G	12	40	27,38	12		9,50	4,75	8800	0,090	A56
1017/15 G	15	40	27,38	12		9,50	4,75	8800	0,090	A56
1020/20 G	20	47	30,96	14		12,80	6,60	7400	0,090	A56
1025/25 G	25	52	34,11	15		14,00	7,90	6200	0,170	A56
1030/30G	30	62	38,10	16		19,50	11,30	5200	0,370	A56
1035/35G	35	72	42,88	17		25,50	15,30	4500	0,510	A56
1040/40 G	40	80	49,23	18		29,00	17,90	4000	0,640	A56
1045/45 G	45	85	49,23	19		32,50	20,50	3700	0,730	A56
1050/50 G	50	90	51,59	20		35,00	23,20	3400	0,910	A56
1050/50 GZES	50	90	51,59	20		35,00	23,20	3400	0,910	☎
1055/55 G	55	100	55,55	21		43,50	29,00	3100	1,120	A56
1060/60 G	60	110	65,07	22		52,00	36,00	2800	1,470	A56
1100 EES	25,4	52	31,23	14		14,00	7,90	6100	0,200	A55
1100 ZES	25,4	52	44,62	15		14,00	7,90	8600	0,260	A53
1101 EES	26,988	62	35,7	16		19,50	11,30	5200	0,350	A55
1102 EES	28,575	62	36,5	16		19,50	11,30	5200	0,264	A55
1220/20G	20	47	25,77	14		12,80	6,60	6700	0,100	A58
1235/35G	35	72	34,9	17		25,50	15,30	4500	0,430	A58
1217/17 ECG	17	40	12	28,85		9,50	4,75	8800	0,150	A57
1220/20 ECG	20	47	14	31,23		12,80	6,60	7400	0,160	A57
1225/25 ECG	25	52	15	31,23		14,00	7,90	6200	0,230	A57
1235/35 ECG	35	72	17	39,2		25,50	15,30	4500	0,580	A57
1240/40 ECG	40	80	18	43,95		29,00	17,90	4000	0,730	A57
1245/45 ECG	45	85	19	43,95		32,50	20,50	3700	0,870	A57
1250/50 ECG	50	90	20	43,95		35,00	23,20	3400	0,980	A57
6203 SEE	17	40	12	12		9,50	4,75	11000	0,064	A51
6204 SEE	20	47	14			12,80	6,60	9500	0,130	A25
6205 SEE	25	52	15			14,00	7,90	8100	0,128	A51
6206 SEE	30	62	16			19,50	11,30	6800	0,193	A51
6207 SEE	35	72	17			25,50	15,30	5900	0,285	A51
6208 SEE	40	80	18			29,00	17,90	5200	0,373	A51
6209 SEE	45	85	19			32,50	20,50	4800	0,404	A51
6210 SEE	50	90	20			35,00	23,20	4500	0,453	A25
6308 SEE	40	90	23			40,50	23,90	4700	0,612	A61
6212 SEE	60	110	22			52,00	36,00	3700	0,766	A51
11204 EES	20	47	31,23	14		12,80	6,60	7400	0,117	A55
11207 EES	35	72	39,2	17		25,50	15,30	4500	0,314	A55
11208 EES	40	80	43,95	18		29,00	17,90	4000	0,620	A55
11209 LLS	45	85	56,3	19		32,50	20,50	3700	0,820	A54

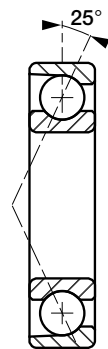
71900CV, 71900HV



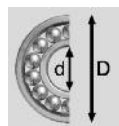
ML/MLE



71900CV



71900HV



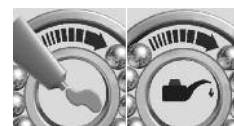
d D



B



C Co
x 1000 Newtons



tr/mn tr/mn

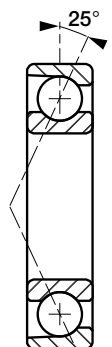


kg

71900 CVDBJ74	10	22	12	5,00	3,04	56000	86400	0,020
71900 CVDFJ74	10	22	12	5,00	3,04	56000	86400	0,020
71900 CVDUJ74	10	22	12	5,00	3,04	56000	86400	0,020
71900 CVUJ74	10	22	6	3,10	1,52	71000	108000	0,010
71900 HVDUJ74	10	22	12	4,71	2,90	54000	82400	0,020
ML 71900 CVUJ74S	10	22	6	1,43	0,68	101500	135000	0,010
ML 71900 HVUJ74S	10	22	6	1,36	0,65	94000	125000	0,010
MLE 71900 CVUJ74S	10	22	6	1,43	0,68	101500		0,010
MLE 71900 HVUJ74S	10	22	6	1,36	0,65	94000		0,010
71901 CVDUJ74	12	24	12	5,50	3,72	50000	77600	0,022
71901 CVUJ74	12	24	6	3,40	1,86	64000	97000	0,011
71901 CVURJ74	12	24	6	3,40	1,86	64000	97000	0,011
71901 HVDBJ74	12	24	12	5,30	3,54	48000	74400	0,022
71901 HVDTJ74	12	24	12	5,30	3,54			
71901 HVDUJ74	12	24	12	5,30	3,54	48000	74400	0,022
71901 HVUJ74	12	24	6	3,30	1,77	60000	93000	0,011
ML 71901 CVUJ74S	12	24	6	1,49	0,71	90000	120000	0,011
ML 71901 HVUJ74S	12	24	6	1,41	0,67	82500	110000	0,011
MLE 71901 CVUJ74S	12	24	6	1,49	0,71	90000		0,011
MLE 71901 HVUJ74S	12	24	6	1,41	0,67	82500		0,011
71902 CVDUJ74	15	28	14	8,30	5,70	41000	63200	0,030
71902 CVUJ74	15	28	7	5,10	2,85	52000	79000	0,015
71902 HVDBJ74	15	28	14	7,88	5,50	39000	60000	0,030
71902 HVDBJ74D	15	28	14	7,90	5,50	39000		0,030
71902 HVDUJ74	15	28	14	7,90	5,50	39000	60000	0,030
71902 HVUJ74	15	28	7	4,90	2,75	49000	75000	0,015
CH 71902 CVDBJ74	15	28	14	8,30	5,70	53300	82200	0,030
CH 71902 CVUJ74	15	28	7	5,10	2,85	67600	102700	0,015
ML 71902 CVUJ74S	15	28	7	2,03	1,03	75000	100000	0,015
ML 71902 HVUJ74S	15	28	7	1,93	0,98	67500	90000	0,015
MLE 71902 CVUJ74S	15	28	7	2,03	1,03	75000		0,015
MLE 71902 HVUJ74S	15	28	7	1,93	0,98	67500		0,015
71903 CVDUJ74	17	30	14	8,60	6,30	36000	56000	0,034
71903 CVUJ74	17	30	7	5,30	3,15	46000	70000	0,017
71903 HVDBJ74	17	30	14	8,30	6,00	35000	54400	0,034
71903 HVDUJ74	17	30	14	8,30	6,00	35000	54400	0,034
71903 HVUJ74	17	30	7	5,10	3,00	44000	68000	0,017
CH 71903 CVDBJ74	17	30	14	8,60	6,30	46800	72800	0,034
CH 71903 CVUJ74	17	30	7	5,30	3,15	59800	91000	0,017
ML 71903 CVUJ74S	17	30	7	2,17	1,18	67500	90000	0,017
ML 71903 HVUJ74S	17	30	7	2,06	1,11	61500	82000	0,017
MLE 71903 CVUJ74S	17	30	7	2,17	1,18	67500		0,017
MLE 71903 HVUJ74S	17	30	7	2,06	1,11	61500		0,017



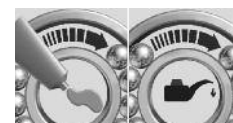
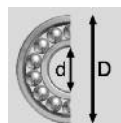
71900CV, 71900HV



ML/MLE

71900CV

71900HV



d D

B

C Co
x 1000 Newtons

tr/mn

tr/mn

kg

71904 CVDBJ74	20	37	18	12,50	9,80	31000	48000	0,072
71904 CVDUJ74	20	37	18	12,50	9,80	31000	48000	0,072
71904 CVUJ74	20	37	9	7,70	4,90	39000	60000	0,036
71904 HVDBJ74	20	37	18	11,90	9,30	30000	45600	0,072
71904 HVDBJ74D	20	37	18	11,90	9,30	30000		0,072
71904 HVDUJ74	20	37	18	11,90	9,30	30000	45600	0,072
71904 HVDUJ74D	20	37	18	11,90	9,30	30000		0,072
71904 HVUJ74	20	37	9	7,30	4,65	37000	57000	0,036
71904 HVUJ74D	20	37	9	7,30	4,65	37000		0,036
CH 71904 CVUJ74	20	37	9	7,70	4,90	50700	78000	0,036
ML 71904 CVUJ74S	20	37	9	3,90	2,08	56500	75000	0,036
ML 71904 HVUJ74S	20	37	9	3,70	1,97	51000	68000	0,036
MLE 71904 CVUJ74S	20	37	9	3,90	2,08	56500		0,036
MLE 71904 HVUJ74S	20	37	9	3,70	1,97	51000		0,036
71905 CVDBJ74	25	42	18	13,50	11,60	26000	40000	0,082
71905 CVDFJ74	25	42	18	13,50	11,60	26000	40000	0,082
71905 CVDUJ74	25	42	18	13,50	11,60	26000	40000	0,082
71905 CVUJ74	25	42	9	8,30	5,80	33000	50000	0,041
71905 HVDBJ74	25	42	18	12,70	11,00	24000	37600	0,082
71905 HVDBJ74D	25	42	18	12,70	11,00	24000		0,082
71905 HVDUJ74	25	42	18	12,70	11,00	24000	37600	0,082
71905 HVUJ74	25	42	9	7,80	5,50	31000	47000	0,041
71905 HVUJ74D	25	42	9	7,80	5,50	31000		0,041
CH 71905 CVUJ74	25	42	9	8,30	5,80	42900	65000	0,041
ML 71905 CVUJ74S	25	42	9	4,30	2,55	47500	63000	0,041
ML 71905 HVUJ74S	25	42	9	4,10	2,40	43000	57000	0,041
MLE 71905 CVUJ74S	25	42	9	4,30	2,55	47500		0,041
MLE 71905 CVDUJ74S	25	42	18	6,99	51,00	33000		0,082
MLE 71905 HVUJ74S	25	42	9	4,10	2,40	43000		0,041
71906 CVDBJ74	30	47	18	13,70	12,60	23000	35200	0,094
71906 CVDBJ74D	30	47	18	13,70	12,60	23000		0,094
71906 CVDUJ74	30	47	18	13,70	12,60	23000	35200	0,094
71906 CVDUJ74D	30	47	18	13,70	12,60	23000		0,094
71906 CVUJ74	30	47	9	8,40	6,30	29000	44000	0,047
71906 HVDBJ74	30	47	18	13,00	11,80	22000	33600	0,094
71906 HVDUJ74	30	47	18	13,00	11,80	22000	33600	0,094
71906 HVDUJ74D	30	47	18	13,00	11,80	22000		0,094
71906 HVUJ74	30	47	9	8,00	5,90	27000	42000	0,047
71906 HVUJ74D	30	47	9	8,00	5,90	27000		0,047
71906 HVURJ74	30	47	9	8,00	5,90	27000	42000	0,047
CH 71906 HVDUJ74	30	47	9	8,00	5,90	35100	54600	0,047
ML 71906 CVUJ74S	30	47	9	4,65	3,00	41500	55000	0,047
ML 71906 HVUJ74S	30	47	9	4,40	2,85	37500	50000	0,047

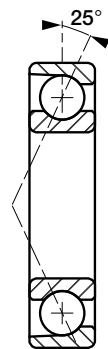
71900CV, 71900HV



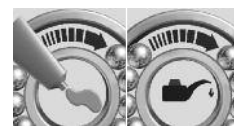
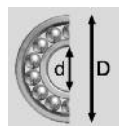
ML/MLE



71900CV



71900HV

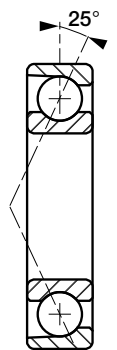
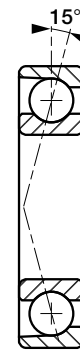


d D B C Co tr/mn tr/mn kg
 x 1000 Newtons

MLE 71906 CVUJ74S	30	47	9	4,65	3,00	41500		0,047
MLE 71906 HVUJ74S	30	47	9	4,40	2,85	37500		0,047
71907 CVDBJ74	35	55	20	18,00	17,00	20000	30400	0,150
71907 CVDUJ74	35	55	20	18,00	17,00	20000	30400	0,150
71907 CVUJ74	35	55	10	11,10	8,50	25000	38000	0,075
71907 HVDBJ74	35	55	20	17,10	16,20	19000	28800	0,150
71907 HVDUJ74	35	55	20	17,10	16,20	19000	28800	0,150
71907 HVDUJ74D	35	55	20	17,10	16,20	19000	28800	0,150
71907 HVUJ74	35	55	10	10,50	8,10	23000	36000	0,075
71907 HVUJ74D	35	55	10	10,50	8,10	23000	36000	0,075
71907 HVURJ74	35	55	10	10,50	8,10	23000	36000	0,075
CH 71907 CVDUJ74	35	55	20	18,00	17,00	26000	39500	0,150
CH 71907 HVDBJ74	35	55	20	17,10	16,20	24700	37400	0,150
ML 71907 CVUJ74S	35	55	10	5,10	3,60	35500	47000	0,075
ML 71907 HVUJ74S	35	55	10	4,80	3,40	32500	43000	0,075
MLE 71907 CVUJ74S	35	55	10	5,10	3,60	35500		0,075
MLE 71907 HVUJ74S	35	55	10	4,80	3,40	32500		0,075
71908 CVDBJ74	40	62	24	23,90	23,60	17000	26400	0,220
71908 CVDUJ74	40	62	24	23,90	23,60	17000	26400	0,220
71908 CVUJ74	40	62	12	14,70	11,80	21000	33000	0,110
71908 CVURJ74	40	62	12	14,70	11,80	21000	33000	0,110
71908 HVDBJ74	40	62	24	22,60	22,20	16000	24800	0,220
71908 HVDBJ74D	40	62	24	22,60	22,20	16000	24800	0,220
71908 HVDFJ74	40	62	24	22,60	22,20	16000	24800	0,220
71908 HVDUJ74	40	62	24	22,60	22,20	16000	24800	0,220
71908 HVDUJ74D	40	62	24	22,60	22,20	16000	24800	0,220
71908 HVUJ74	40	62	12	13,90	11,10	20000	31000	0,110
71908 HVURJ74	40	62	12	13,90	11,10	20000	31000	0,110
CH 71908 CVDBJ74	40	62	24	23,90	23,60	22100	34300	0,220
CH 71908 CVUJ74	40	62	12	14,70	11,80	27300	42900	0,110
ML 71908 CVUJ74S	40	62	12	6,95	4,95	31500	42000	0,109
ML 71908 HVUJ74S	40	62	12	6,55	4,65	28500	38000	0,109
MLE 71908 CVUJ74S	40	62	12	6,95	4,95	31500		0,109
MLE 71908 HVUJ74S	40	62	12	6,55	4,65	28500		0,109
71909 CVDBJ74	45	68	24	25,00	26,40	16000	24800	0,260
71909 CVDUJ74	45	68	24	25,00	26,40	16000	24800	0,260
71909 CVUJ74	45	68	12	15,40	13,20	20000	31000	0,130
71909 CVURJ74	45	68	12	15,40	13,20	20000	31000	0,130
71909 HVDBJ74	45	68	24	23,70	29,20	15000	22400	0,260
71909 HVDBJ74D	45	68	24	23,70	29,20	15000	22400	0,260
71909 HVDUJ74	45	68	24	23,70	29,20	15000	22400	0,260
71909 HVUJ74	45	68	12	14,60	12,50	18000	28000	0,130
CH 71909 CVDUJ74	45	68	24	25,00	26,40	20800	32300	0,260



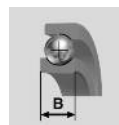
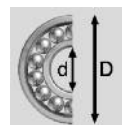
71900CV, 71900HV



ML/MLE

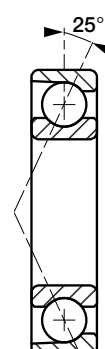
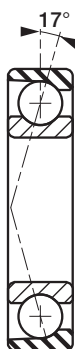
71900CV

71900HV



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
CH 71909 CVUJ74	45	68	12	15,40	13,20	26000	40300	0,130
CH 71909 HVUJ74	45	68	12	14,60	12,50	23400	36400	0,130
ML 71909 CVUJ74S	45	68	12	7,35	5,55	28500	38000	0,013
ML 71909 HVUJ74S	45	68	12	6,95	5,25	25500	34000	0,128
MLE 71909 CVUJ74S	45	68	12	7,35	5,55	28500		0,013
MLE 71909 HVUJ74S	45	68	12	6,95	5,25	25500		0,128
71910 CVDBJ74	50	72	24	26,20	29,40	15000	23200	0,270
71910 CVDFJ74	50	72	24	26,16	29,40	15000	23200	0,270
71910 CVDTJ74	50	72	24	26,20	29,40	15000	23200	0,270
71910 CVDUJ74	50	72	24	26,20	29,40	15000	23200	0,270
71910 CVUJ74	50	72	12	16,10	14,70	19000	29000	0,135
71910 CVURJ74	50	72	12	16,10	14,70	19000	29000	0,135
71910 HVDBJ74	50	72	24	24,90	27,60	14000	20800	0,270
71910 HVDUJ74	50	72	24	24,90	27,60	14000	20800	0,270
71910 HVUJ74	50	72	12	15,30	13,80	17000	26000	0,135
71910 HVURJ74	50	72	12	15,30	13,80	17000	26000	0,135
CH 71910 CVDBJ74	50	72	24	26,20	29,40	19500	30200	0,270
CH 71910 CVDUJ74	50	72	24	26,20	29,40	19500	30200	0,270
CH 71910 CVUJ74D	50	72	12	16,10	14,70	24700		0,135
CH 71910 CVURJ74	50	72	12	16,10	14,70	24700	37700	0,135
CH 71910 HVURJ74	50	72	12	15,30	13,80	22100	33800	0,135
ML 71910 CVUJ74S	50	72	12	7,60	6,00	26500	35000	0,129
ML 71910 HVUJ74S	50	72	12	7,15	5,65	24000	32000	0,129
MLE 71910 CVUJ74S	50	72	12	7,60	6,00	26500		0,129
MLE 71910 HVUJ74S	50	72	12	7,15	5,65	24000		0,129
71911 CVDUJ74	55	80	26	32,50	37,00	14000	20800	0,360
71911 CVUJ74	55	80	13	20,00	18,50	17000	26000	0,180
71911 CVURJ74	55	80	13	20,00	18,50	17000	26000	0,180
71911 HVDBJ74	55	80	26	30,71	35,00	12000	19200	0,360
71911 HVDFJ74	55	80	26	30,70	35,00	12000	19200	0,360
71911 HVDTJ74	55	80	26	30,70	35,00	12000	19200	0,360
71911 HVDUJ74	55	80	13	18,90	17,50	16000	24000	0,180
71911 HVUJ74	55	80	13	18,90	17,50	16000	24000	0,180
CH 71911 CVUJ74	55	80	13	20,00	18,50	22100	33800	0,180
ML 71911 CVUJ74S	55	80	13	16,40	16,10	23000	34000	0,177
ML 71911 HVUJ74S	55	80	13	15,50	15,00	20800	30000	0,177
MLE 71911 CVUJ74S	55	80	13	16,40	16,10	23000		0,177
MLE 71911 HVUJ74S	55	80	13	15,50	15,00	20800		0,177
71912 CVDBJ74	60	85	26	34,00	40,60	12000	19200	0,400
71912 CVDUJ74	60	85	26	34,00	40,60	12000	19200	0,400
71912 CVDUJ74D	60	85	26	34,00	40,60	12000		0,400
71912 CVUJ74	60	85	13	20,90	20,30	15000	24000	0,200
71912 HVDBJ74	60	85	26	32,00	38,20	11000	17600	0,400

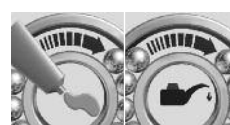
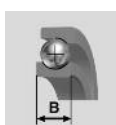
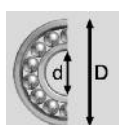
71900CV, 71900HV



ML/MLE

71900CV

71900HV

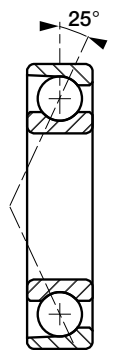
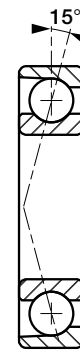


d D B C Co tr/mn tr/mn kg
x 1000 Newtons

71912 HVDUJ74	60	85	26	32,00	38,20	11000	17600	0,400
71912 HVDUJ74D	60	85	26	32,00	38,20	11000		0,400
71912 HVDURJ74	60	85	26	32,00	38,20	11000	17600	0,400
71912 HVUJ74	60	85	13	19,70	19,10	14000	22000	0,200
71912 HVURJ74	60	85	13	19,70	19,10	14000	22000	0,200
CH 71912 HVDBJ74	60	85	26	32,00	38,20	14300	22900	0,400
CH 71912 HVDUJ74	60	85	26	32,00	38,20	14300	22900	0,400
CH 71912 HVUJ74	60	85	13	19,70	19,10	18200	29000	0,200
ML 71912 CVUJ74S	60	85	13	17,00	17,20	20000	32500	0,190
ML 71912 HVUJ74S	60	85	13	16,00	16,10	19000	28700	0,190
MLE 71912 CVUJ74S	60	85	13	17,00	17,20	20000		0,190
MLE 71912 HVUJ74S	60	85	13	16,00	16,10	19000		0,190
71913 CVDBJ74	65	90	26	35,26	43,80	11000	17600	0,420
71913 CVDUJ74	65	90	26	35,30	43,80	11000	17600	0,420
71913 CVUJ74	65	90	13	21,70	21,90	14500	22000	0,210
71913 CVURJ74	65	90	13	21,70	21,90	14500	22000	0,210
71913 HVDBJ74	65	90	26	33,20	40,80	11000	16800	0,420
71913 HVDUJ74	65	90	26	33,20	40,80	11000	16800	0,420
71913 HVUJ74	65	90	13	20,40	20,40	14000	21000	0,210
71913 HVURJ74	65	90	13	20,40	20,40	14000	21000	0,210
CH 71913 HVURJ74	65	90	13	20,40	20,40	18200	27000	0,210
ML 71913 CVUJ74S	65	90	13	17,60	18,40	19000	30500	0,202
ML 71913 HVUJ74S	65	90	13	16,60	17,20	17500	26000	0,202
71914 CVDBJ74	70	100	32	47,90	58,00	10000	16000	0,680
71914 CVDUJ74	70	100	32	47,90	58,00	10000	16000	0,680
71914 CVUJ74	70	100	16	29,50	29,00	13000	20000	0,340
71914 CVURJ74	70	100	16	29,50	29,00	13000	20000	0,340
71914 HVDBJ74	70	100	32	45,50	55,00	10000	15200	0,680
71914 HVDUJ74	70	100	32	45,50	55,00	10000	15200	0,680
71914 HVUJ74	70	100	16	28,00	27,50	12000	19000	0,340
71914 HVURJ74	70	100	16	28,00	27,50	12000	19000	0,340
CH 71914 CVUJ74	70	100	16	29,50	29,00	16900	26000	0,340
ML 71914 CVUJ74S	70	100	16	25,00	26,00	17000	27000	0,330
ML 71914 HVUJ74S	70	100	16	23,70	24,30	15000	23500	0,330
71915 CVDBJ74	75	105	32	49,60	63,00	10000	15200	0,720
71915 CVDBJ74D	75	105	32	49,60	63,00	10000		0,720
71915 CVDUJ74	75	105	32	49,60	63,00	10000	15200	0,720
71915 CVUJ74	75	105	16	30,50	31,50	12500	19000	0,360
71915 HVDBJ74	75	105	32	47,10	59,00	9000	14400	0,720
71915 HVDUJ74	75	105	32	47,10	59,00	9000	14400	0,720
71915 HVUJ74	75	105	16	29,00	29,50	12000	18000	0,360
71915 HVURJ74	75	105	16	29,00	29,50	12000	18000	0,360
ML 71915 CVUJ74S	75	105	16	26,00	28,00	16500	26000	0,349



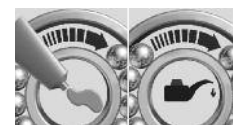
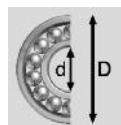
71900CV, 71900HV



ML/MLE

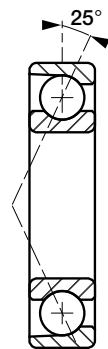
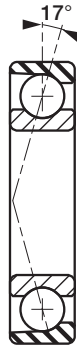
71900CV

71900HV



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
ML 71915 HVUJ74S	75	105	16	24,60	26,00	14000	21700	0,349
71916 CVDBJ74	80	110	32	50,40	66,00	9000	14400	0,760
71916 CVDFJ74	80	110	32	50,40	66,00	9000	14400	0,760
71916 CVDUJ74	80	110	32	50,40	66,00	9000	14400	0,760
71916 CVUJ74	80	110	16	31,00	33,00	12000	18000	0,380
71916 HVDBJ74	80	110	32	47,90	61,00	9000	13600	0,760
71916 HVDFJ74	80	110	32	47,90	61,00	9000	13600	0,760
71916 HVDUJ74	80	110	32	47,90	61,00	9000	13600	0,760
71916 HVUJ74	80	110	16	29,50	30,50	11000	17000	0,380
71916 HVURJ74	80	110	16	29,50	30,50	11000	17000	0,380
CH 71916 CVDUJ74	80	110	32	50,40	66,00	11700	18700	0,760
CH 71916 CVUJ74	80	110	16	31,00	33,00	15600	23400	0,380
CH 71916 HVDBJ74	80	110	32	47,90	61,00	11700	17700	0,760
ML 71916 CVUJ74S	80	110	16	27,00	30,00	15500	24500	0,370
ML 71916 HVUJ74S	80	110	16	25,50	28,00	13700	21000	0,370
71917 CVDBJ74	85	120	36	59,30	78,00	9000	13600	1,100
71917 CVDBJ74D	85	120	36	59,30	78,00	9000		1,100
71917 CVDUJ74	85	120	36	59,30	78,00	9000	13600	1,100
71917 CVUJ74	85	120	18	36,50	39,00	11000	17000	0,550
71917 CVURJ74	85	120	18	36,50	39,00	11000	17000	0,550
71917 HVDBJ74	85	120	36	56,10	73,00	8000	12000	1,100
71917 HVDBJ74D	85	120	36	56,10	73,00	8000		1,100
71917 HVDUJ74	85	120	36	56,10	73,00	8000	12000	1,100
71917 HVUJ74	85	120	18	34,50	36,50	10000	15000	0,550
71917 HVURJ74	85	120	18	34,50	36,50	10000	15000	0,550
ML 71917 CVUJ74S	85	120	18	31,50	35,00	14500	22500	0,535
ML 71917 HVUJ74S	85	120	18	29,50	32,50	12500	20000	0,535
71918 CVDBJ74	90	125	36	61,80	83,00	8000	12800	1,160
71918 CVDUJ74	90	125	36	61,80	83,00	8000	12800	1,160
71918 CVUJ74	90	125	18	38,00	41,50	10500	16000	0,580
71918 CVURJ74	90	125	18	38,00	41,50	10500	16000	0,580
71918 HVDBJ74	90	125	36	57,70	78,00	8000	12000	1,160
71918 HVDFJ74	90	125	36	57,70	78,00	8000	12000	1,160
71918 HVDUJ74	90	125	36	57,70	78,00	8000	12000	1,160
71918 HVDURJ74	90	125	36	57,70	78,00	8000	12000	1,160
71918 HVUJ74	90	125	18	35,50	39,00	10000	15000	0,580
71918 HVURJ74	90	125	18	35,50	39,00	10000	15000	0,580
ML 71918 CVUJ74S	90	125	18	32,50	37,00	13500	21000	0,562
ML 71918 HVUJ74S	90	125	18	30,50	34,50	11700	18700	0,562
71919 CVDUJ74	95	130	36	69,88	95,00	8000	12000	1,180
71919 CVUJ74	95	130	18	43,00	47,50	9900	15000	0,580
71919 CVURJ74	95	130	18	43,00	47,50	9900	15000	0,580

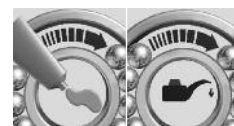
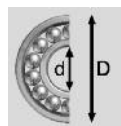
71900CV, 71900HV



ML/MLE

71900CV

71900HV

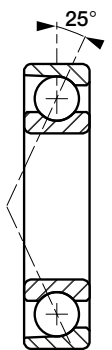


d D B C Co tr/mn tr/mn kg
x 1000 Newtons

71919 HVDBJ74	95	130	36	65,80	88,00	7000	11200	1,160
71919 HVDUJ74	95	130	36	65,80	88,00	7000	11200	1,160
71919 HVDURJ74	95	130	36	65,80	88,00	7000	11200	1,160
71919 HVUJ74	95	130	18	40,50	44,00	9000	14000	0,580
71919 HVURJ74	95	130	18	40,50	44,00	9000	14000	0,580
CH 71919 CVDUJ74	95	130	36	69,88	95,00	10400	15600	1,180
CH 71919 HVDUJ74	95	130	36	65,80	88,00	9100	14600	1,160
CH 71919 HVUJ74	95	130	18	40,50	44,00	11700	18200	0,580
CH 71919 HVURJ74	95	130	18	40,50	44,00	11700	18200	0,580
71920 CVDFJ74	100	140	40	79,60	110,00	8000	11600	1,640
71920 CVDUJ74	100	140	40	79,60	110,00	8000	11600	1,640
71920 CVDURJ74	100	140	40	79,60	110,00	8000	11600	1,640
71920 CVUJ74	100	140	20	49,00	55,00	9500	14500	0,820
71920 CVURJ74	100	140	20	49,00	55,00	9500	14500	0,820
71920 HVDBJ74	100	140	40	74,80	102,00	7000	10400	1,640
71920 HVDBRJ74	100	140	40	74,80	102,00	7000	10400	1,640
71920 HVDUJ74	100	140	40	74,80	102,00	7000	10400	1,640
71920 HVUJ74	100	140	20	46,00	51,00	8000	13000	0,820
71920 HVURJ74	100	140	20	46,00	51,00	8000	13000	0,820
CH 71920 CVUJ74	100	140	20	49,00	55,00	12350	18900	0,820
CH 71920 CVURJ74	100	140	20	49,00	55,00	12350	18900	0,820
CH 71920 HVDUJ74	100	140	40	74,80	102,00	9100	13500	1,640
ML 71920 CVUJ74S	100	140	20	42,50	49,00	11700	18500	0,796
ML 71920 HVUJ74S	100	140	20	40,00	45,50	10500	16700	0,796
71922 CVDBJ74	110	150	40	82,90	118,00	7000	10800	1,760
71922 CVDUJ74	110	150	40	82,90	118,00	7000	10800	1,760
71922 CVUJ74	110	150	20	51,00	59,00	8900	13500	0,880
71922 CVURJ74	110	150	20	51,00	59,00	8900	13500	0,880
71922 HVDBJ74	110	150	40	77,20	110,00	7000	10000	1,760
71922 HVDUJ74	110	150	40	77,20	110,00	7000	10000	1,760
71922 HVDURJ74	110	150	40	77,20	110,00	7000	10000	1,760
71922 HVUJ74	110	150	20	47,50	55,00	8000	12500	0,880
71922 HVURJ74	110	150	20	47,50	55,00	8000	12500	0,880
CH 71922 HVDBJ74	110	150	40	77,20	110,00	9100	13000	1,760
CH 71922 HVUJ74	110	150	20	47,50	55,00	10400	16300	0,880
CH 71922 HVURJ74	110	150	20	47,50	55,00	10400	16300	0,880
ML 71922 CVUJ74S	110	150	20	44,50	53,00	10500	17000	0,868
ML 71922 HVUJ74S	110	150	20	42,00	50,00	9300	14700	0,868
71924 CVDBJ74	120	165	44	113,80	162,00	7000	10000	2,380
71924 CVDUJ74	120	165	44	113,75	162,00	7000	10000	2,380
71924 CVUJ74	120	165	22	70,00	81,00	8200	12500	1,190
71924 CVURJ74	120	165	22	70,00	81,00	8200	12500	1,190
71924 HVDBJ74	120	165	44	107,30	152,00	6000	9200	2,380



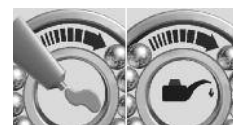
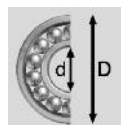
71900CV, 71900HV



ML/MLE

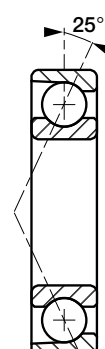
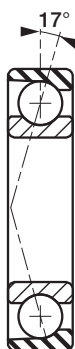
71900CV

71900HV



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
71924 HVDUJ74	120	165	44	107,30	152,00	6000	9200	2,380
71924 HVUJ74	120	165	22	66,00	76,00	7000	11500	1,190
71924 HVURJ74	120	165	22	66,00	76,00	7000	11500	1,190
CH 71924 CVDBJ74	120	165	44	113,80	162,00	9100	13000	2,380
71926 CVDBJ74	130	180	48	136,50	196,00	6000	9200	3,140
71926 CVDUJ74	130	180	48	136,50	196,00	6000	9200	3,140
71926 CVUJ74	130	180	24	84,00	98,00	7500	11500	1,570
71926 CVUJ74D	130	180	24	84,00	98,00	7500		1,570
71926 CVURJ74	130	180	24	84,00	98,00	7500	11500	1,570
71926 HVDBJ74	130	180	48	128,40	184,00	5000	8400	3,140
71926 HVDUJ74	130	180	48	128,40	184,00	5000	8400	3,140
71926 HVDURJ74	130	180	48	128,40	184,00	5000	8400	3,140
71926 HVUJ74	130	180	24	79,00	92,00	7000	10500	1,570
71926 HVURJ74	130	180	24	79,00	92,00	7000	10500	1,570
CH 71926 HVDURJ74	130	180	48	128,40	184,00	6500	10900	3,140
CH 71926 HVUJ74	130	180	24	79,00	92,00	9100	13700	1,570
CH 71926 HVURJ74	130	180	24	79,00	92,00	9100	13700	1,570
71928 CVDBJ74	140	190	48	141,40	210,00	6000	8800	3,360
71928 CVDUJ74	140	190	48	141,40	210,00	6000	8800	3,360
71928 CVUJ74	140	190	24	87,00	105,00	7200	11000	1,680
71928 CVURJ74	140	190	24	87,00	105,00	7200	11000	1,680
71928 HVDBJ74	140	190	48	133,30	196,00	5000	7840	3,360
71928 HVDBJ74D	140	190	48	133,30	196,00	5000		3,360
71928 HVDUJ74	140	190	48	133,30	196,00	5000	7840	3,360
71928 HVUJ74	140	190	24	82,00	98,00	6000	9800	1,680
71928 HVURJ74	140	190	24	82,00	98,00	6000	9800	1,680
CH 71928 HVDBJ74	140	190	48	133,30	196,00	6500	10200	3,360
CH 71928 HVDUJ74	140	190	24	82,00	98,00	7800	12700	1,680
71930 CVDBJ74	150	210	56	170,60	256,00	5000	7200	5,240
71930 CVDUJ74	150	210	56	170,60	256,00	5000	7200	5,240
71930 CVUJ74	150	210	28	105,00	128,00	6500	9000	2,620
71930 CVURJ74	150	210	28	105,00	128,00	6500	9000	2,620
71930 HVDUJ74	150	210	56	160,90	240,00	5000	7200	5,240
71930 HVUJ74	150	210	28	99,00	120,00	6000	9000	2,620
71930 HVURJ74	150	210	28	99,00	120,00	6000	9000	2,620
71932 CVDBJ74	160	220	56	172,30	264,00	5000	7520	5,540
71932 CVDFJ74	160	220	56	172,25	264,00	5000	7520	5,520
71932 CVDUJ74	160	220	56	172,30	264,00	5000	7520	5,540
71932 CVDURJ74	160	220	56	172,30	264,00	5000	7520	5,540
71932 CVUJ74	160	220	28	106,00	132,00	6200	9400	2,770
71932 CVURJ74	160	220	28	106,00	132,00	6200	9400	2,770
71932 HVDUJ74	160	220	56	162,50	246,00	4000	6800	5,540

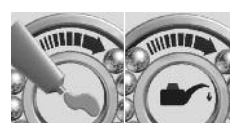
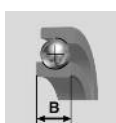
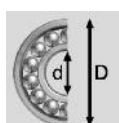
71900CV, 71900HV



ML/MLE

71900CV

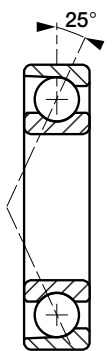
71900HV



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
71932 HVDURJ74	160	220	56	162,50	246,00	4000	6800	5,540
71932 HVUJ74	160	220	28	100,00	123,00	6000	8500	2,770
71932 HVURJ74	160	220	28	100,00	123,00	6000	8500	2,770
71934 CVDBJ74	170	230	56	173,90	280,00	5000	7120	5,820
71934 CVDUJ74	170	230	56	173,90	280,00	5000	7120	5,820
71934 CVUJ74	170	230	28	107,00	140,00	5800	8900	2,910
71934 HVDBJ74	170	230	56	167,40	262,00	4000	6480	5,820
71934 HVDUJ74	170	230	56	167,40	262,00	4000	6480	5,820
71934 HVDURJ74	170	230	56	167,40	262,00	4000	6480	5,820
71934 HVUJ74	170	230	28	103,00	131,00	5000	8100	2,910
71934 HVURJ74	170	230	28	103,00	131,00	5000	8100	2,910
71936 CVDBJ74	180	250	66	219,40	346,00	4000	6640	8,540
71936 CVDUJ74	180	250	66	219,40	346,00	4000	6640	8,540
71936 CVUJ74	180	250	33	135,00	173,00	5400	8300	4,270
71936 HVDBJ74	180	250	66	206,38	322,00	4000	6000	8,520
71936 HVDUJ74	180	250	66	206,40	322,00	4000	6000	8,540
71936 HVDURJ74	180	250	66	206,40	322,00	4000	6000	8,540
71936 HVUJ74	180	250	33	127,00	161,00	5000	7500	4,270
71936 HVURJ74	180	250	33	127,00	161,00	5000	7500	4,270
71938 CVDUJ74	190	260	66	225,90	366,00	4000	6320	8,980
71938 CVUJ74	190	260	33	139,00	183,00	5200	7900	4,490
71938 HVDBJ74	190	260	66	212,90	342,00	4000	5760	8,980
71938 HVDUJ74	190	260	66	212,90	342,00	4000	5760	8,980
71938 HVUJ74	190	260	33	131,00	171,00	5000	7200	4,490
71940 CVDUJ74	200	280	76	312,00	486,00	4000	5920	12,320
71940 CVUJ74	200	280	38	192,00	243,00	4800	7400	6,160
71940 CVURJ74	200	280	38	192,00	243,00	4800	7400	6,160
71940 HVDBJ74	200	280	76	294,10	458,00	4000	5440	12,320
71940 HVDUJ74	200	280	76	294,10	458,00	4000	5440	12,320
71940 HVUJ74	200	280	38	181,00	229,00	4000	6800	6,160
71940 HVURJ74	200	280	38	181,00	229,00	4000	6800	6,160
71944 CVDBJ74	220	300	76	292,50	484,00	3500	5400	13,480
71944 CVDUJ74	220	300	76	292,50	484,00	3500	5400	13,480
71944 CVUJ74	220	300	38	180,00	242,00	4400	6800	6,740
71944 HVDBJ74	220	300	76	276,30	452,00	3000	4960	13,480
71944 HVDUJ74	220	300	76	276,30	452,00	3000	4960	13,480
71944 HVUJ74	220	300	38	170,00	226,00	4000	6200	6,740
71944 HVURJ74	220	300	38	170,00	226,00	4000	6200	6,740
71948 CVDUJ74	240	320	76	300,63	510,00	3300	5100	14,480
71948 CVUJ74	240	320	38	185,00	255,00	4200	6400	7,240



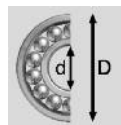
7000CV, 7000HV



ML/MLE

7000CV

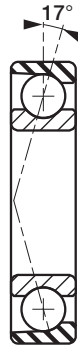
7000HV



d D B C Co tr/mn tr/mn kg
 x 1000 Newtons

7000 CVDTJ74	10	26	16	9,30	5,50	55500	85500	0,036
7000 CVDUJ74	10	26	16	9,30	5,50	49000	76000	0,036
7000 CVDUJ74D	10	26	16	9,30	5,50	49000		0,036
7000 CVUJ74	10	26	8	5,70	2,75	61000	95000	0,018
7000 HVDFJ74	10	26	16	8,90	5,30	43000	65600	0,036
7000 HVDUJ74	10	26	16	8,90	5,30	43000	65600	0,036
7000 HVDUJ74D	10	26	16	8,90	5,30	43000		0,036
7000 HVUJ74	10	26	8	5,50	2,65	53000	82000	0,018
CH 7000 CVDUJ74	10	26	16	9,30	5,50	63700	98800	0,036
CH 7000 CVUJ74	10	26	8	5,70	2,75	79300	123500	0,018
CH 7000 HVUJ74	10	26	8	5,50	2,65	68900	106600	0,018
ML 7000 CVDUJ74S	10	26	16	3,32	1,84	65000	100000	0,036
ML 7000 CVUJ74S	10	26	8	2,04	0,92	94000	125000	0,018
ML 7000 HVDUJ74S	10	26	16	3,17	1,74	57200	88000	0,036
ML 7000 HVUJ74S	10	26	8	1,95	0,87	82500	110000	0,018
MLE 7000 CVUJ74S	10	26	8	2,04	0,92	94000		0,018
MLE 7000 HVUJ74S	10	26	8	1,95	0,87	82500		0,018
7001 CVDBJ74	12	28	16	10,10	6,40	44000	68000	0,04
7001 CVDUJ74	12	28	16	10,10	6,40	44000	68000	0,04
7001 CVDUJ74D	12	28	16	10,10	6,40	44000		0,04
7001 CVUJ74	12	28	8	6,20	3,20	54000	85000	0,02
7001 HVDBJ74	12	28	16	9,80	6,10	37000	57600	0,04
7001 HVDBJ74D	12	28	16	9,80	6,10	28000		0,04
7001 HVDFJ74D	12	28	16	9,80	6,10	37000		0,04
7001 HVDUJ74	12	28	16	9,80	6,10	37000	57600	0,04
7001 HVUJ74	12	28	8	6,00	3,05	47000	72000	0,02
CH 7001 CVDBJ74	12	28	16	10,10	6,40	57200	88400	0,04
CH 7001 CVDUJ74	12	28	16	10,10	6,40	57200	88400	0,04
CH 7001 CVUJ74	12	28	8	6,20	3,20	70200	110500	0,02
CH 7001 HVDBJ74	12	28	16	9,80	6,10	48100	74880	0,04
ML 7001 CVDUJ74S	12	28	16	3,71	2,22	57200	88000	0,04
ML 7001 CVUJ74S	12	28	8	2,28	1,11	82500	110000	0,02
ML 7001 HVDUJ74S	12	28	16	3,54	2,10	52000	80000	0,04
ML 7001 HVUJ74S	12	28	8	2,18	1,05	75000	100000	0,02
MLE 7001 CVUJ74S	12	28	8	2,28	1,11	82500		0,02
MLE 7001 HVUJ74S	12	28	8	2,18	1,05	75000		0,02
7002 CVDBJ74	15	32	18	11,40	8,00	37000	57600	0,056
7002 CVDBJ74D	15	32	18	11,40	8,00	37000		0,056
7002 CVDTJ74	15	32	18	11,40	8,00	42100	64800	0,056
7002 CVDUJ74	15	32	18	11,40	8,00	37000	57600	0,056
7002 CVDUJ74D	15	32	18	11,40	8,00	37000		0,056
7002 CVUJ74	15	32	9	7,00	4,00	46000	72000	0,028
7002 CVURJ74	15	32	9	7,00	3,85	46000	72000	0,028
7002 HVDBJ74	15	32	18	10,90	7,70	32000	49600	0,056

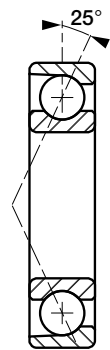
7000CV, 7000HV



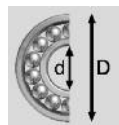
ML/MLE



7000CV



7000HV

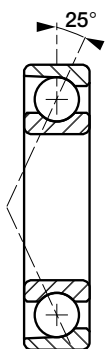
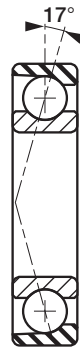


d D B C Co tr/mn tr/mn kg
 x 1000 Newtons

7002 HVDFJ74	15	32	18	10,90	7,70	32000	49600	0,056
7002 HVDUJ74	15	32	18	10,90	7,70	32000	49600	0,056
7002 HVUJ74	15	32	9	6,70	3,85	40000	62000	0,028
CH 7002 CVDBJ74	15	32	18	11,40	8,00	48100	74880	0,056
CH 7002 CVDUJ74	15	32	18	11,40	8,00	48100	74880	0,056
CH 7002 CVUJ74	15	32	9	7,00	4,00	59800	93600	0,028
CH 7002 HVUJ74	15	32	9	6,70	3,85	52000	80600	0,028
ML 7002 CVDUJ74S	15	32	18	5,61	3,42	47840	73600	0,056
ML 7002 CVUJ74S	15	32	9	3,45	1,71	69000	92000	0,028
ML 7002 HVDUJ74S	15	32	18	5,36	3,26	43160	66400	0,056
ML 7002 HVUJ74S	15	32	9	3,30	1,63	62500	83000	0,028
MLE 7002 CVUJ74S	15	32	9	3,45	1,71	69000		0,028
MLE 7002HVUJ74S	15	32	9	3,30	1,63	62500		0,028
7003 CVDBJ74	17	35	20	12,00	8,90	34000	52000	0,074
7003 CVDBJ74D	17	35	20	12,00	8,90	34000		0,074
7003 CVDUJ74	17	35	20	12,00	8,90	34000	52000	0,074
7003 CVDUJ74D	17	35	20	12,00	8,90	34000		0,074
7003 CVUJ74	17	35	10	7,40	4,45	41000	65000	0,037
7003 HVDBJ74	17	35	20	11,40	8,50	29000	44800	0,074
7003 HVDUJ74	17	35	20	11,40	8,50	29000	44800	0,074
7003 HVUJ74	17	35	10	7,00	4,25	36000	56000	0,037
7003 HVUJ74D	17	35	10	7,00	4,25	36000		0,037
CH 7003 CVDUJ74	17	35	20	12,00	8,90	44200	67600	0,074
CH 7003 CVUJ74	17	35	10	7,40	4,45	53300	84500	0,037
ML 7003 CVDUJ74S	17	35	20	6,09	4,04	42640	65600	0,074
ML 7003 CVUJ74S	17	35	10	3,75	2,02	61500	82000	0,037
ML 7003 HVDUJ74S	17	35	20	5,85	3,64	38480	59200	0,074
ML 7003 HVUJ74S	17	35	10	3,60	1,82	55500	74000	0,037
MLE 7003 CVUJ74S	17	35	10	3,75	2,02	61500		0,037
MLE 7003 HVUJ74S	17	35	10	3,60	1,82	55500		0,037
7004 CVDBJ74	20	42	24	19,20	14,20	29000	44000	0,126
7004 CVDBJ74D	20	42	24	19,20	14,20	29000		0,126
7004 CVDFJ74	20	42	24	19,20	14,20	29000	44000	0,126
7004 CVDTJ74	20	42	24	19,20	14,20	32000	49500	1,126
7004 CVDUJ74	20	42	24	19,20	14,20	29000	44000	0,126
7004 CVUJ74	20	42	12	11,80	7,10	35000	55000	0,063
7004 CVURJ74	20	42	12	11,80	7,10	35000	55000	0,063
7004 HVDBJ74	20	42	24	18,40	13,60	24000	37600	0,126
7004 HVDUJ74	20	42	24	18,40	13,60	24000	37600	0,126
7004 HVUJ74	20	42	12	11,30	6,80	31000	47000	0,063
7004 HVUJ74D	20	42	12	11,30	6,80	31000		0,063
CH 7004 CVDBJ74D	20	42	24	19,20	14,20	37700	57200	0,126
CH 7004 CVDUJ74	20	42	24	19,20	14,20	37700	57200	0,126
CH 7004 CVDURJ74	20	42	24	19,20	14,20	37700	57200	0,126



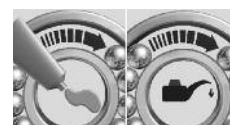
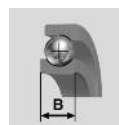
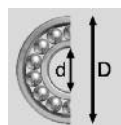
7000CV, 7000HV



ML/MLE

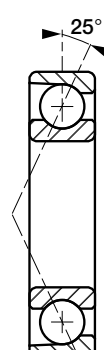
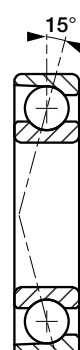
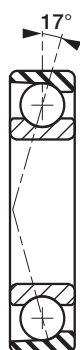
7000CV

7000HV



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
CH 7004 CVUJ74	20	42	12	11,80	7,10	45500	71500	0,063
CH 7004 HVDBJ74	20	42	24	18,40	13,60	31200	48880	0,126
ML 7004 CVDUJ74S	20	42	24	10,64	7,20	36400	56000	0,126
ML 7004 CVUJ74S	20	42	12	6,55	3,60	52500	70000	0,063
ML 7004 HVDUJ74S	20	42	24	10,24	6,80	32760	50400	0,126
ML 7004 HVUJ74S	20	42	12	6,30	3,40	47500	63000	0,063
MLE 7004 CVUJ74S	20	42	12	6,55	3,60	52500		0,063
MLE 7004 HVUJ74S	20	42	12	6,30	3,40	47500		0,063
MLECH 7004 CVDBJ74S	20	42	24	10,64	7,20	47300		0,126
7005 CVDBJ74	25	47	24	21,10	17,20	24000	37600	0,152
7005 CVDBJ74D	25	47	24	21,10	17,20	24000		0,152
7005 CVDFJ74	25	47	24	21,125	17,20	24000	37600	0,152
7005 CVDUJ74	25	47	24	21,10	17,20	24000	37600	0,152
7005 CVDUJ74D	25	47	24	21,10	17,20	24000		0,152
7005 CVUJ74	25	47	12	13,00	8,60	30000	47000	0,076
7005 CVUJ74D	25	47	12	13,00	8,60	30000		0,076
7005 CVURJ74	25	47	12	13,00	8,60	30000		0,076
7005 HVDBJ74	25	47	24	20,20	16,40	21000	32000	0,152
7005 HVDFJ74	25	47	24	20,15	16,40	21000	32000	0,152
7005 HVDUJ74	25	47	24	20,20	16,40	21000	32000	0,152
7005 HVUJ74	25	47	12	12,40	8,20	26000	40000	0,076
7005 HVUJ74D	25	47	12	12,40	8,20	26000		0,076
CH 7005 CVDUJ74	25	47	24	21,10	17,20	31200	48880	0,152
CH 7005 CVUJ74	25	47	12	13,00	8,60	39000	61100	0,076
CH 7005 HVDUJ74	25	47	24	20,20	16,40	27300	41600	0,152
ML 7005 CVDUJ74S	25	47	24	12,11	9,00	30680	47200	0,152
ML 7005 CVUJ74S	25	47	12	7,45	4,50	44500	59000	0,076
ML 7005 HVDUJ74S	25	47	24	11,54	8,10	27560	42400	0,152
ML 7005 HVUJ74S	25	47	12	7,10	4,05	40000	53000	0,076
MLE 7005 CVDUJ74S	25	47	24	12,11	9,00			0,152
MLE 7005 CVUJ74S	25	47	12	7,45	4,50	44500		0,076
MLE 7005 HVUJ74S	25	47	12	7,10	4,05	40000		0,076
7006 CVDBJ74	30	55	26	27,10	23,40	21000	32000	0,224
7006 CVDBJ74D	30	55	26	27,10	23,40	21000		0,224
7006 CVDFJ74	30	55	26	27,10	23,40	21000	32000	0,224
7006 CVDUJ74	30	55	26	27,10	23,40	21000	32000	0,224
7006 CVDUJ74D	30	55	26	27,10	23,40	21000		0,224
7006 CVUJ74	30	55	13	16,70	11,70	24000	40000	0,112
7006 CVURJ74	30	55	13	16,70	11,70	24000	40000	0,112
7006 HVDBJ74	30	55	26	25,80	22,40	18000	27200	0,224
7006 HVDBJ74D	30	55	26	25,80	22,40	18000		0,224
7006 HVDFJ74D	30	55	26	25,80	22,40	18000		0,224
7006 HVDUJ74	30	55	26	25,80	22,40	18000	27200	0,224
7006 HVDUJ74D	30	55	26	25,80	22,40	18000		0,224

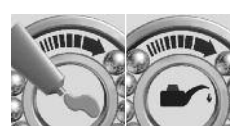
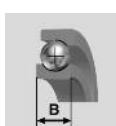
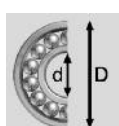
7000CV, 7000HV



ML/MLE

7000CV

7000HV

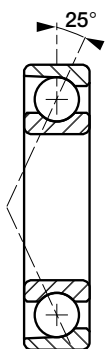


d D B C Co tr/mn tr/mn kg
x 1000 Newtons

7006 HVUJ74	30	55	13	15,90	11,20	22000	34000	0,112
7006 HVUJ74D	30	55	13	15,90	11,20	22000		0,112
CH 7006 CVDBJ74	30	55	26	27,10	23,40	27300	41600	0,224
CH 7006 CVDBJ74D	30	55	26	27,10	23,40	27300		0,224
CH 7006 CVDUJ74	30	55	26	27,10	23,40	27300	41600	0,224
CH 7006 CVUJ74	30	55	13	16,70	11,70	31200	52000	0,112
CH 7006 HVUJ74	30	55	13	15,90	11,20	28600	44200	0,112
ML 7006 CVDUJ74S	30	55	26	13,49	10,30	26000	40000	0,224
ML 7006 CVUJ74S	30	55	13	8,30	5,15	37500	50000	0,112
ML 7006 HVUJ74S	30	55	13	7,80	4,90	34500	46000	0,112
MLE 7006 CVDUJ74S	30	55	26	13,49	10,30	26000		0,224
MLE 7006 CVUJ74S	30	55	13	8,30	5,15	37500		0,112
7007 CVDBJ74	35	62	28	34,10	31,00	18000	28000	0,3
7007 CVDBJ74D	35	62	28	34,10	31,00	18000		0,3
7007 CVDUJ74	35	62	28	34,10	31,00	18000	28000	0,3
7007 CVDUJ74D	35	62	28	34,10	31,00	18000		0,3
7007 CVUJ74	35	62	14	21,00	15,50	23000	35000	0,15
7007 CVUJ74D	35	62	14	21,00	15,50	23000		0,15
7007 CVURJ74	35	62	14	21,00	15,50	23000	35000	0,15
7007 HVDBJ74	35	62	28	32,50	29,60	16000	24800	0,3
7007 HVDBJ74D	35	62	28	32,50	29,60	16000		0,3
7007 HVDUJ74	35	62	28	32,50	29,60	16000	24800	0,3
7007 HVUJ74	35	62	14	20,00	14,80	20000	31000	0,15
7007 HVURJ74	35	62	14	20,00	14,80	20000	31000	0,15
CH 7007 CVDBJ74	35	62	28	34,10	31,00	23400	36400	0,3
CH 7007 CVDUJ74	35	62	28	34,10	31,00	23400	36400	0,3
CH 7007 CVUJ74	35	62	14	21,00	15,5	29900	45500	0,15
ML 7007 CVUJ74S	35	62	14	10,50	6,70	33000	44000	0,149
ML 7007 HVUJ74S	35	62	14	10,00	6,35	30000	40000	0,149
MLE 7007 CVDUJ74S	35	62	28	17,06	13,40	22880		0,298
MLE 7007 CVUJ74S	35	62	14	10,50	6,70	33000		0,149
MLE 7007 HVUJ74S	35	62	14	10,00	6,35	30000		0,149
7008 CVDBJ74	40	68	30	35,10	33,60	17000	26400	0,37
7008 CVDBJ74D	40	68	30	35,10	33,60	17000		0,37
7008 CVDUJ74	40	68	30	35,10	33,60	17000	26400	0,37
7008 CVUJ74	40	68	15	21,60	16,80	21000	33000	0,185
7008 CVURJ74	40	68	15	21,60	16,80	21000	33000	0,185
7008 HVDBJ74	40	68	30	33,30	32,00	16000	24000	0,37
7008 HVDBJ74D	40	68	30	33,30	32,00	16000		0,37
7008 HVDUJ74	40	68	30	33,30	32,00	16000	24000	0,37
7008 HVUJ74	40	68	15	20,50	16,00	20000	30000	0,185
CH 7008 CVDBJ74	40	68	30	35,10	33,60	22100	34320	0,37
CH 7008 CVDUJ74	40	68	30	35,10	33,60	22100	34320	0,37
CH 7008 CVUJ74	40	68	15	21,60	16,80	27300	42900	0,185



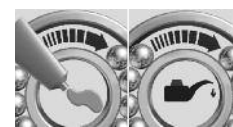
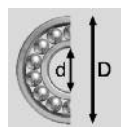
7000CV, 7000HV



ML/MLE

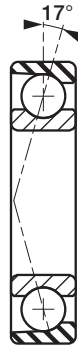
7000CV

7000HV



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
ML 7008 CVDUJ74S	40	68	30	17,88	15,00	20280	31200	0,37
ML 7008 CVUJ74S	40	68	15	11,00	7,50	29500	39000	0,185
ML 7008 HVUJ74S	40	68	15	10,50	7,10	27000	36000	0,37
MLE 7008 CVUJ74S	40	68	15	11,00	7,50	29500		0,185
MLE 7008 HVUJ74S	40	68	15	10,50	7,10	27000		0,37
7009 CVDBJ74	45	75	32	40,10	38,60	15000	23200	0,48
7009 CVDBJ74D	45	75	32	40,10	38,60	15200		0,48
7009 CVDFJ74	45	75	32	40,10	38,60	15000	23200	0,48
7009 CVDUJ74	45	75	32	40,10	38,60	15000	23200	0,48
7009 CVUJ74	45	75	16	24,70	19,30	19000	29000	0,24
7009 CVURJ74	45	75	16	24,70	19,30	19000	29000	0,24
7009 HVDBJ74	45	75	32	38,00	36,60	14000	21600	0,48
7009 HVDBJ74D	45	75	32	38,00	36,60	14000		0,48
7009 HVDUJ74	45	75	32	38,00	36,60	14000	21600	0,48
7009 HVUJ74	45	75	16	23,40	18,30	18000	27000	0,24
CH 7009 CVDBJ74	45	75	32	40,10	38,60	19500	30160	0,48
CH 7009 CVDUJ74	45	75	32	40,10	38,60	19500	30160	0,48
CH 7009 CVUJ74	45	75	16	24,70	19,30	24700	37700	0,24
CH 7009 HVDUJ74	45	75	32	38,00	36,60	18200	28080	0,48
CH 7009 HVUJ74	45	75	16	23,40	18,30	23400	35100	0,24
ML 7009 CVUJ74S	45	75	16	10,90	7,60	27000	36000	0,238
ML 7009 HVUJ74S	45	75	16	10,30	7,20	24000	32000	0,238
MLE 7009 CVUJ74S	45	75	16	10,90	7,60	27000		0,238
MLE 7009 HVUJ74S	45	75	16	10,30	7,20	24000		0,238
7010 CVDBJ74	50	80	32	43,10	43,60	14000	21600	0,52
7010 CVDUJ74	50	80	32	43,10	43,60	14000	21600	0,52
7010 CVDUJ74D	50	80	32	43,10	43,60	14000		0,52
7010 CVUJ74	50	80	16	26,50	21,80	18000	27000	0,26
7010 CVURJ74	50	80	16	26,50	21,80	18000	27000	0,26
7010 HVDBJ74	50	80	32	40,50	41,60	13000	20000	0,52
7010 HVDBJ74D	50	80	32	40,50	41,60	13000		0,52
7010 HVDUJ74	50	80	32	40,50	41,60	13000	20000	0,52
7010 HVUJ74	50	80	16	24,90	20,80	16000	25000	0,26
CH 7010 CVDUJ74	50	80	32	43,10	43,60	18200	28080	0,52
CH 7010 CVUJ74	50	80	16	26,50	21,80	23400	35100	0,26
ML 7010 CVUJ74S	50	80	16	11,70	8,70	25000	33000	0,256
ML 7010HVUJ74S	50	80	16	11,10	8,20	22500	30000	0,256
MLE 7010 CVUJ74S	50	80	16	11,70	8,70	25000		0,256
MLE 7010 HVUJ74S	50	80	16	11,10	8,20	22500		0,256
7011 CVDBJ74	55	90	36	49,60	52,00	12000	19200	0,78
7011 CVDBJ74D	55	90	36	49,60	52,00	12000		0,78
7011 CVDBRJ74	55	90	36	49,60	52,00	12000	19200	0,78
7011 CVDUJ74	55	90	36	49,60	52,00	12000	19200	0,78

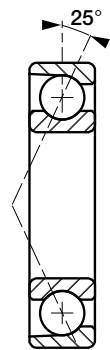
7000CV, 7000HV



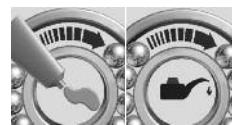
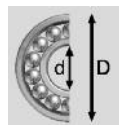
ML/MLE



7000CV



7000HV



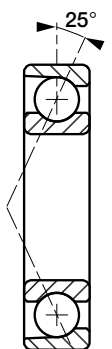
d D B C Co tr/mn tr/mn kg

x 1000 Newtons

7011 CVDURJ74	55	90	36	49,60	52,00	12000	19200	0,78
7011 CVUJ74	55	90	18	30,50	26,00	16000	24000	0,39
7011 CVURJ74	55	90	18	30,50	26,00	16000	24000	0,39
7011 HVDBJ74	55	90	36	47,10	49,8	11000	17600	0,78
7011 HVDUJ74	55	90	36	47,10	49,8	11000	17600	0,78
7011 HVUJ74	55	90	18	29,00	24,90	14000	22000	0,39
7011 HVURJ74	55	90	18	29,00	24,90	14000	22000	0,39
CH 7011 CVDUJ74	55	90	36	49,60	52,00	15600	24960	0,78
CH 7011 CVUJ74	55	90	18	30,50	26,00	20800	31200	0,39
CH 7011 HVDUJ74	55	90	36	47,10	49,80	14300	22880	0,78
CH 7011 HVUJ74	55	90	18	29,00	24,90	18200	28600	0,39
ML 7011 CVDBJ74S	55	90	36	37,86	43,40	15860	24400	0,792
ML 7011 CVUJ74S	55	90	18	23,30	21,70	22000	30500	0,396
ML 7011 HVUJ74S	55	90	18	22,00	20,60	19000	27000	0,396
7012 CVDBJ74	60	95	36	52,80	59,00	12000	18400	0,84
7012 CVDBJ74D	60	95	36	52,80	59,00	12000		0,84
7012 CVDJT74	60	95	36	52,80	59,00	13500	20700	0,84
7012 CVDUJ74	60	95	36	52,80	59,00	12000	18400	0,84
7012 CVDURJ74	60	95	36	52,80	59,00	12000	18400	0,84
7012 CVUJ74	60	95	18	32,50	29,50	15000	23000	0,42
7012 CVURJ74	60	95	18	32,50	29,50	15000	23000	0,42
7012 HVDBJ74	60	95	36	49,60	56,00	11000	16800	0,84
7012 HVDFJ74	60	95	36	49,60	56,00	11000	16800	0,84
7012 HVDUJ74	60	95	36	49,60	56,00	11000	16800	0,84
7012 HVUJ74	60	95	18	30,50	28,00	14000	21000	0,42
7012 HVURJ74	60	95	18	30,50	28,00	14000	21000	0,42
CH 7012 CVDUJ74	60	95	36	52,80	59,00	15600	23920	0,84
CH 7012 HVDBJ74	60	95	36	49,60	56,00	14300	21840	0,84
ML 7012 CVUJ74S	60	95	18	24,40	24,00	19000	28500	0,426
ML 7012 HVUJ74S	60	95	18	23,00	22,60	17000	25500	0,426
7013 CVDBJ74	65	100	36	53,60	62,00	11000	16800	0,88
7013 CVDBJ74D	65	100	36	53,60	62,00	11000		0,88
7013 CVDFJ74	65	100	36	53,60	62,00	11000	16800	0,88
7013 CVDUJ74	65	100	36	53,60	62,00	11000	16800	0,88
7013 CVDUJ74D	65	100	36	53,625	62,00	11200		0,88
7013 CVUJ74	65	100	18	33,00	31,00	14000	21000	0,44
7013 CVURJ74	65	100	18	33,00	31,00	14000	21000	0,44
7013 HVDBJ74	65	100	36	51,20	59,00	10000	15200	0,88
7013 HVDUJ74	65	100	36	51,20	59,00	10000	15200	0,88
7013 HVDUJ74D	65	100	36	51,20	59,00	10000		0,88
7013 HVDURJ74	65	100	36	51,20	59,00	10000	15200	0,88
7013 HVUJ74	65	100	18	31,50	29,50	12000	19000	0,44
7013 HVURJ74	65	100	18					
CH 7013 CVDBJ74	65	100	36	53,60	62,00	14300	21840	0,88



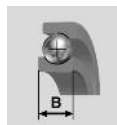
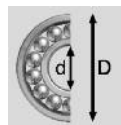
7000CV, 7000HV



ML/MLE

7000CV

7000HV



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
CH 7013 CVDUJ74	65	100	36	53,60	62,00	14300	21840	0,88
CH 7013 CVUJ74	65	100	18	33,00	31,00	18200	27300	0,44
CH 7013 HVDUJ74	65	100	36	51,20	59,00	13000	19760	0,88
ML 7013 CVUJ74S	65	100	18	25,50	26,00	18000	27000	0,445
ML 7013 HVUJ74S	65	100	18	23,90	24,40	16000	24500	0,445
7014 CVDBJ74	70	110	40	69,90	80,00	10000	16000	1,22
7014 CVDBJ74D	70	110	40	69,90	80,00	10000		1,22
7014 CVDUJ74	70	110	40	69,90	80,00	10000	16000	1,22
7014 CVUJ74	70	110	20	43,00	40,00	13000	20000	0,61
7014 CVURJ74	70	110	20	43,00	40,00	13000	20000	0,61
7014 HVDBJ74	70	110	40	65,80	75,00	10000	15200	1,22
7014 HVDBJ74D	70	110	40	65,80	75,00	10000		1,22
7014 HVDUJ74	70	110	40	65,80	75,00	10000	15200	1,22
7014 HVUJ74	70	110	20	40,50	37,50	12000	19000	0,61
7014 HVURJ74	70	110	20	40,50	37,50	12000	19000	0,61
CH 7014 CVDBJ74	70	110	40	69,90	80,00	13000	20800	1,22
CH 7014 CVUJ74	70	110	20	43,00	40,00	16900	26000	0,61
CH 7014 HVDUJ74	70	110	40	65,80	75,00	13000	19760	1,22
CH 7014 HVUJ74	70	110	20	40,50	37,50	15600	24700	0,61
ML 7014 CVUJ74S	70	110	20	34,00	34,50	16500	25000	0,625
ML 7014 HVUJ74S	70	110	20	32,00	32,50	15000	21800	0,625
7015 CVDBJ74	75	115	40	71,50	84,00	10000	15200	1,3
7015 CVDBJ74D	75	115	40	71,50	84,00	10000		1,3
7015 CVDUJ74	75	115	40	71,50	84,00	10000	15200	1,3
7015 CVUJ74	75	115	20	44,00	42,00	12000	19000	0,65
7015 CVUJ74D	75	115	20	44,00	42,00	12000		0,65
7015 CVURJ74	75	115	20	44,00	42,00	12000	19000	0,65
7015 HVDBJ74	75	115	40	67,40	80,00	9000	13600	1,3
7015 HVDUJ74	75	115	40	67,40	80,00	9000	13600	1,3
7015 HVDURJ74	75	115	40	67,40	80,00	9000	13600	1,3
7015 HVUJ74	75	115	20	41,50	40,00	11000	17000	0,65
7015 HVURJ74	75	115	20	41,50	40,00	11000	17000	0,65
CH 7015 CVDBJ74	75	115	40	71,50	84,00	13000	19760	1,3
CH 7015 CVUJ74	75	115	20	44,00	42,00	15600	24700	0,65
ML 7015 CVUJ74S	75	115	20	34,50	36,00	15500	23750	0,658
ML 7015 HVUJ74S	75	115	20	32,50	34,00	13500	21000	0,658
7016 CVDBJ74	80	125	44	95,90	110,00	9000	13600	1,72
7016 CVDBJ74D	80	125	44	95,90	110,00	9000		1,72
7016 CVDFJ74	80	125	44	95,90	110,00	9000	13600	1,72
7016 CVDUJ74	80	125	44	95,90	110,00	9000	13600	1,72
7016 CVDUJ74D	80	125	44	95,90	110,00	9000		1,72
7016 CVUJ74	80	125	22	59,00	55,00	11000	17000	0,86
7016 CVURJ74	80	125	22	59,00	55,00	11000	17000	0,86

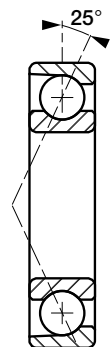
7000CV, 7000HV



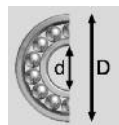
ML/MLE



7000CV



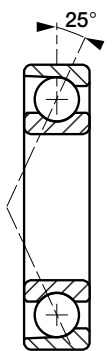
7000HV



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
7016 HVDBJ74	80	125	44	91,00	106,00	8000	12800	1,72
7016 HVDUJ74	80	125	44	91,00	106,00	8000	12800	1,72
7016 HVUJ74	80	125	22	56,00	53,00	10000	16000	0,86
7016 HVURJ74	80	125	22	56,00	53,00	10000	16000	0,86
CH 7016 CVDBJ74	80	125	44	95,90	110,00	11700	17680	1,72
CH 7016 CVUJ74	80	125	22	59,00	55,00	14300	22100	0,86
CH 7016 HVUJ74	80	125	22	56,00	53,00	13000	20800	0,86
ML 7016 CVUJ74S	80	125	22	44,00	44,50	14000	21500	0,874
ML 7016 HVUJ74S	80	125	22	41,50	42,50	12500	19000	0,874
7017 CVDBJ74	85	130	44	99,10	118,00	8000	12800	1,8
7017 CVDTJ74	85	130	44	99,10	118,00	7500	11500	1,8
7017 CVDUJ74	85	130	44	99,10	118,00	8000	12800	1,8
7017 CVUJ74	85	130	22	61,00	59,00	10500	16000	0,9
7017 CVURJ74	85	130	22	61,00	59,00	10500	16000	0,9
7017 HVDBJ74	85	130	44	94,30	112,00	8000	12000	1,8
7017 HVDBJ74D	85	130	44	94,25	112,00	7920		1,8
7017 HVDBRJ74	85	130	44	94,30	112,00	8000	12000	1,8
7017 HVDBRJ74D	85	130	44	94,30	112,00	8000		1,8
7017 HVDTJ74	85	130	44	94,30	112,00	7020	10800	1,8
7017 HVDUJ74	85	130	44	94,30	112,00	8000	12000	1,8
7017 HVDURJ74	85	130	44	94,30	112,00	8000	12000	1,8
7017 HVUJ74	85	130	22	58,00	56,00	10000	15000	0,9
7017 HVURJ74	85	130	22	58,00	56,00	10000	15000	0,9
CH 7017 CVUJ74	85	130	22	61,00	59,00	13650	20800	0,9
ML 7017 CVUJ74S	85	130	22	46,00	49,00	13500	20500	0,927
ML 7017 HVUJ74S	85	130	22	43,50	46,00	11500	18500	0,927
7018 CVDBJ74	90	140	48	118,60	138,00	8000	12000	2,34
7018 CVDTJ74	90	140	48	118,60	138,00	7000	10800	2,34
7018 CVDUJ74	90	140	48	118,60	138,00	8000	12000	2,34
7018 CVUJ74	90	140	24	73,00	69,00	10000	15000	1,17
7018 CVURJ74	90	140	24	73,00	69,00	10000	15000	1,16
7018 HVDBJ74	90	140	48	112,10	132,00	7000	11200	2,34
7018 HVDBJ74D	90	140	48	112,10	132,00	7000		2,34
7018 HVDFJ74	90	140	48	112,10	132,00	7000	11200	2,34
7018 HVDUJ74	90	140	48	112,10	132,00	7000	11200	2,34
7018 HVDUJ74D	90	140	48	112,10	132,00	7000		2,34
7018 HVUJ74	90	140	24	69,00	66,00	9000	14000	1,17
7018 HVURJ74	90	140	24	69,00	66,00	9000	14000	1,17
CH 7018 CVDUJ74	90	140	48	118,60	138,00	10400	15600	2,34
CH 7018 CVUJ74	90	140	24	73,00	69,00	13000	19500	1,17
CH 7018 HVUJ74	90	140	24	69,00	66,00	11700	18200	1,17
CH 7018 HVURJ74	90	140	24	69,00	66,00	11700	18200	1,17
ML 7018 CVUJ74S	90	140	24	52,00	56,00	12500	19100	1,192
ML 7018 HVUJ74S	90	140	24	49,00	53,00	10500	17200	1,192



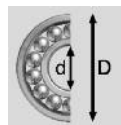
7000CV, 7000HV



ML/MLE

7000CV

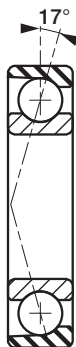
7000HV



d D B C Co tr/mn tr/mn kg
x 1000 Newtons

7019 CVDBJ74	95	145	48	120,30	146,00	8000	11600	2,44
7019 CVDUJ74	95	145	48	120,30	146,00	8000	11600	2,44
7019 CVUJ74	95	145	24	74,00	73,00	9700	14500	1,22
7019 HVDBJ74	95	145	48	115,40	138,00	7000	10800	2,44
7019 HVDUJ74	95	145	48	115,40	138,00	7000	10800	2,44
7019 HVUJ74	95	145	24	71,00	69,00	9000	13500	1,22
CH 7019 HVDBJ74	95	145	48	120,30	146,00	9100	14000	2,44
CH 7019 HVDURJ74	95	145	48	120,30	146,00	9100	14000	2,44
CH 7019 HVUJ74	95	145	24	71,00	69,00	11700	17550	1,22
CH 7019 HVURJ74	95	145	24	71,00	69,00	11700	17550	1,22
ML 7019 CVUJ74S	95	145	24	53,00	59,00	12000	18400	1,263
ML 7019 HVUJ74S	95	145	24	50,00	55,00	10000	16500	1,263
7020 CVDBJ74	100	150	48	123,50	154,00	7000	11200	2,54
7020 CVDTJ74	100	150	48	123,50	154,00	8000	12600	2,54
7020 CVDUJ74	100	150	48	123,50	154,00	7000	11200	2,54
7020 CVUJ74	100	150	24	76,00	77,00	9300	14000	1,27
7020 CVURJ74	100	150	24	76,00	77,00	9300	14000	1,27
7020 HVDBJ74	100	150	48	117,00	146,00	7000	10400	2,54
7020 HVDUJ74	100	150	48	117,00	146,00	7000	10400	2,54
7020 HVDUJ74D	100	150	48	117,00	146,00	7280		2,54
7020 HVDURJ74	100	150	48	117,00	146,00	7000	10400	2,54
7020 HVUJ74	100	150	24	72,00	73,00	8000	13000	1,27
7020 HVURJ74	100	150	24	72,00	73,00	8000	13000	1,27
CH 7020 CVDBJ74	100	150	48	123,50	154,00	9100	14600	2,54
CH 7020 CVDBRJ74	100	150	48	123,50	154,00	9100	14600	2,54
CH 7020 CVDUJ74	100	150	48	123,50	154,00	9100	14600	2,54
CH 7020 CVUJ74	100	150	24	76,00	77,00	12090	18200	1,27
CH 7020HVURJ74	100	150	24	72,00	73,00	10400	16900	1,27
CH 7020 HVDBJ74	100	150	48	117,00	146,00	9100	13500	2,54
ML 7020 CVUJ74S	100	150	24	54,00	61,00	11500	18000	1,313
ML 7020 HVUJ74S	100	150	24	51,00	57,00	9500	15900	1,313
7021 CVDBJ74	105	160	52	136,50	172,00	7000	10800	3,22
7021 CVDUJ74	105	160	52	136,50	172,00	7000	10800	3,22
7021 CVDUJ74D	105	160	52	136,50	172,00	7000		3,22
7021 CVUJ74	105	160	26	84,00	86,00	8800	13500	1,61
7021 HVDUJ74	105	160	52	128,40	162,00	6000	9600	3,22
7021 HVUJ74	105	160	26	79,00	81,00	8000	12000	1,61
7022 CVDBJ74	110	170	56	157,60	196,00	7000	10000	4,02
7022 CVDUJ74	110	170	56	157,60	196,00	7000	10000	4,02
7022 CVUJ74	110	170	28	97,00	98,00	8300	12500	2,01
7022 CVURJ74	110	170	28					
7022 HVDBJ74	110	170	56	149,50	186,00	6000	9200	4,02

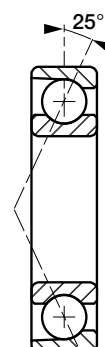
7000CV, 7000HV



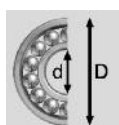
ML/MLE



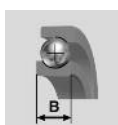
7000CV



7000HV



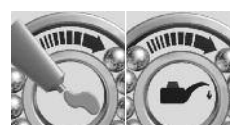
d D



B



C Co
x 1000 Newtons



tr/mn tr/mn



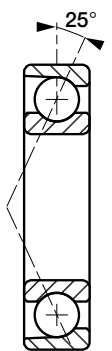
kg

- 7022 HVDUJ74
- 7022 HVDURJ74
- 7022 HVUJ74
- 7022 HVURJ74
- CH 7022 CVUJ74
- ML 7022 CVUJ74S
- ML 7022 HVUJ74S

110	170	56	149,50	186,00	6000	9200	4,02
110	170	56	149,5	186,00	6000	9200	4,02
110	170	28	92,00	93,00	7000	11500	2,01
110	170	28	92,00	93,00	7000	11500	2,01
110	170	28	97,00	98,00	10790	16250	2,01
110	170	28	72,00	81,00	10000	15800	2,019
110	170	28	68,00	76,00	8500	13900	2,019



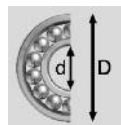
7000CV, 7000HV



ML/MLE

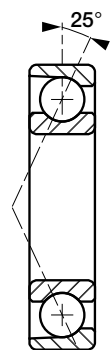
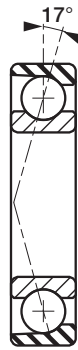
7000CV

7000HV



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
7024 CVDBJ74	120	180	56	165,80	218,00	6000	9200	4,32
7024 CVDUJ74	120	180	56	165,80	218,00	6000	9200	4,32
7024 CVDURJ74	120	180	56	165,80	218,00	6000	9200	4,32
7024 CVUJ74	120	180	28	102,00	109,00	7700	11500	2,16
7024 CVURJ74	120	180	28	102,00	109,00	7700	11500	2,16
7024 HVDBJ74	120	180	56	156,00	206,00	5000	8400	4,32
7024 HVDBJ74D	120	180	56	156,00	206,00	5520		4,3
7024 HVDUJ74	120	180	56	156,00	206,00	5000	8400	4,32
7024 HVDUJ74D	120	180	56	156,00	206,00	5000		4,32
7024 HVDURJ74	120	180	56	156,00	206,00	5000	8400	4,3
7024 HVUJ74	120	180	28	96,00	103,00	7000	10500	2,16
7024 HVURJ74	120	180	28	96,00	103,00	7000	10500	2,16
ML 7024 CVUJ74S	120	180	28	75,00	88,00	9000	14000	2,167
ML 7024 HVUJ74S	120	180	28	70,00	82,00	8000	12500	2,167
7026 CVDBJ74	130	200	66	212,90	274,00	5000	8400	6,4
7026 CVDUJ74	130	200	66	212,90	274,00	5000	8400	6,4
7026 CVDURJ74	130	200	66	212,90	274,00	5000	8400	6,4
7026 CVUJ74	130	200	33	131,00	137,00	7000	10500	3,2
7026 HVDBJ74	130	200	66	201,50	260,00	5000	7840	6,4
7026 HVDUJ74	130	200	66	201,50	260,00	5000	7840	6,4
7026 HVUJ74	130	200	33	124,00	130,00	6000	9800	3,2
7026 HVURJ74	130	200	33	124,00	130,00	6000	9800	3,2
ML 7026 CVUJ74S	130	200	33	97,00	115,00	8000	12500	3,306
ML 7026 HVUJ74S	130	200	33	92,00	108,00	7000	10500	3,306
7028 CVDBJ74	140	210	66	224,30	304,00	5000	8000	6,84
7028 CVDUJ74	140	210	66	224,30	304,00	5000	8000	6,84
7028 CVUJ74	140	210	33	138,00	152,00	6600	10000	3,42
7028 HVDBJ74	140	210	66	211,30	288,00	5000	7360	6,84
7028 HVDBJ74D	140	210	66	211,30	288,00	5000		6,84
7028 HVDUJ74	140	210	66	211,30	288,00	5000	7360	6,84
7028 HVUJ74	140	210	33	130,00	144,00	6000	9200	3,42
7028 HVURJ74	140	210	33	130,00	144,00	6000	9200	3,42
7030 CVDBJ74	150	225	70	256,80	352,00	5000	7440	8,28
7030 CVDUJ74	150	225	70	256,80	352,00	5000	7440	8,28
7030 CVUJ74	150	225	35	158,00	176,00	6200	9300	4,14
7030 HVDBJ74	150	225	70	242,10	334,00	4000	6880	8,28
7030 HVDUJ74	150	225	70	242,10	334,00	4000	6880	8,28
7030 HVUJ74	150	225	35	149,00	167,00	6000	8600	4,14
7030 HVURJ74	150	225	35	149,00	167,00	6000	8600	4,14
7032 CVDBJ74	160	240	76	290,90	404,00	5000	7040	10,2
7032 CVDUJ74	160	240	76	290,90	404,00	5000	7040	10,2
7032 CVUJ74	160	240	38	179,00	202,00	5800	8800	5,1

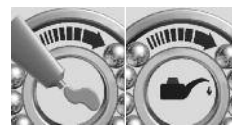
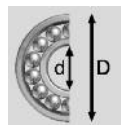
7200CG1, 7200HG1



ML/MLE

7200CG1

7200HG1

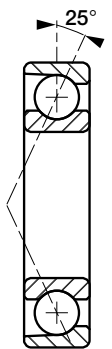


d D B C Co tr/mn tr/mn kg
 x 1000 Newtons

7200 CG1DBJ74	10	30	18	12,20	7,40	43000	65600	0,060
7200 CG1DUJ74	10	30	18	12,20	7,40	43000	65600	0,060
7200 CG1DUJ74D	10	30	18	12,20	7,40	43000		0,060
7200 CG1UJ74	10	30	9	7,50	3,70	53000	82000	0,030
7200 HG1DBJ74	10	30	18	11,70	7,10	37000	57600	0,060
7200 HG1DUJ74	10	30	18	11,70	7,10	37000	57600	0,060
7200 HG1UJ74	10	30	9	7,20	3,55	47000	72000	0,030
CH 7200 CG1DUJ74	10	30	18	12,20	7,40	55900	85280	0,060
7201 CG1DBJ74	12	32	20	14,00	8,60	38000	59200	0,074
7201 CG1DBJ74D	12	32	20	14,00	8,60	38000		0,074
7201 CG1DUJ74	12	32	20	14,00	8,60	38000	59200	0,074
7201 CG1UJ74	12	32	10	8,60	4,30	48000	74000	0,037
7201 HG1DBJ74	12	32	20	13,50	8,40	34000	52000	0,037
7201 HG1DUJ74	12	32	20	13,50	8,40	34000	52000	0,074
7201 HG1UJ74	12	32	10	8,30	4,20	42000	65000	0,037
CH 7201 CG1DUJ74	12	32	20	14,00	8,60	49400	76960	0,074
7202 CG1DBJ74	15	35	22	15,30	10,00	34000	52000	0,037
7202 CG1DTJ74	15	35	22	15,30	10,00	38000	58500	0,088
7202 CG1DUJ74	15	35	22	15,30	10,00	34000	52000	0,088
7202 CG1DUJ74D	15	35	22	15,30	10,00	34000		0,088
7202 CG1UJ74	15	35	11	9,40	5,00	42000	65000	0,044
7202 HG1DBJ74	15	35	22	14,80	9,70	30000	45600	0,088
7202 HG1DUJ74	15	35	22	14,80	9,70	30000	45600	0,088
7202 HG1DUJ74D	15	35	22	14,80	9,70	30000		0,088
7202 HG1UJ74	15	35	11	9,10	4,85	37000	57000	0,044
CH 7202 CG1DUJ74	15	35	22	15,30	10,00	44200	67600	0,088
7203 CG1DBJ74	17	40	24	18,90	12,80	30000	46400	0,130
7203 CG1DBJ74D	17	40	24	18,90	12,80	29600		0,130
7203 CG1DFJ74	17	40	24	18,90	12,80	30000	46400	0,130
7203 CG1DFJ74D	17	40	24	18,90	12,80	30000		0,130
7203 CG1DUJ74	17	40	24	18,90	12,80	30000	46400	0,130
7203 CG1DUJ74D	17	40	24	18,90	12,80	30000		0,130
7203 CG1UJ74	17	40	12	11,60	6,40	38000	58000	0,065
7203 CG1URJ74	17	40	12	11,60	6,40	38000	58000	0,065
7203 HG1DBJ74	17	40	24	18,20	12,40	26000	40000	0,130
7203 HG1DUJ74	17	40	24	18,20	12,40	26000	40000	0,130
7203 HG1UJ74	17	40	12	11,20	6,20	33000	50000	0,065
7203 HG1UJ74D47	17	40	12	11,20	6,20	37000	50000	0,065
CH 7203 CG1DUJ74	17	40	24	18,90	12,80	39000	60320	0,130
7204 CG1DBJ74	20	47	28	25,40	17,80	25000	39200	0,210
7204 CG1DBJ74D	20	47	28	25,40	17,80	25000		0,210
7204 CG1DFJ74	20	47	28	25,40	17,80	25000	39200	0,210



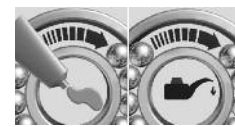
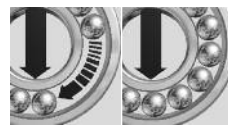
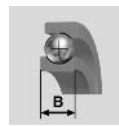
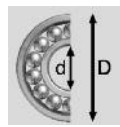
7200CG1, 7200HG1



ML/MLE

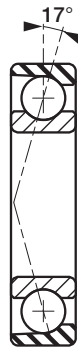
7200CG1

7200HG1



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
7204 CG1DUJ74	20	47	28	25,40	17,80	25000	39200	0,210
7204 CG1UJ74	20	47	14	15,60	8,90	32000	49000	0,105
7204 HG1DBJ74	20	47	28	24,20	17,00	22000	34400	0,210
7204 HG1DFJ74	20	47	28	24,40	17,00	22000	34400	0,210
7204 HG1DUJ74	20	47	28	24,40	17,00	22000	34400	0,210
7204 HG1UJ74	20	47	14	15,00	8,50	28000	43000	0,105
CH 7204 CG1DUJ74	20	47	28	25,40	17,80	32500	50960	0,210
CH 7204 CG1UJ74	20	47	14	15,60	8,90	41600	63700	0,105
CH 7204 HG1UJ74	20	47	14	15,00	8,50	36400	55900	0,105
7205 CG1DBJ74	25	52	30	28,60	22,20	22000	33600	0,256
7205 CG1DBJ74D	25	52	30	28,60	22,20	22000	33600	0,256
7205 CG1DFJ74	25	52	30	28,60	22,20	22000	33600	0,256
7205 CG1DUJ74	25	52	30	28,60	22,20	22000	33600	0,256
7205 CG1UJ74	25	52	15	17,60	11,10	27000	42000	0,128
7205 HG1DBJ74	25	52	30	27,50	21,20	19000	29600	0,256
7205 HG1DBJ74D	25	52	30	27,50	21,20	19000	29600	0,256
7205 HG1DFJ74	25	52	30	27,50	21,20	19000	29600	0,256
7205 HG1DUJ74	25	52	30	27,50	21,20	19000	29600	0,256
7205 HG1UJ74	25	52	15	16,90	10,60	24000	37000	0,128
7205 HG1UJ74D	25	52	15	16,90	10,60	24000	37000	0,128
CH 7205 CG1DUJ74	25	52	30	28,60	22,20	28600	43680	0,256
CH 7205 CG1UJ74	25	52	15	17,60	11,10	35100	54600	0,128
7206 CG1DBJ74	30	62	32	39,70	31,80	18000	28000	0,400
7206 CG1DFJ74	30	62	32	39,70	31,80	18000	28000	0,400
7206 CG1DTJ74	30	62	32	39,70	31,80	16400	25200	0,400
7206 CG1DUJ74	30	62	32	39,70	31,80	18000	28000	0,400
7206 CG1UJ74	30	62	16	24,40	15,90	23000	35000	0,200
7206 CG1UJ74A	30	62	16	24,40	15,90	23000	35000	0,200
7206 HG1DBJ74	30	62	32	38,00	30,40	16000	24800	0,400
7206 HG1DFJ74	30	62	32	38,00	30,40	16000	24800	0,400
7206 HG1DUJ74	30	62	32	38,00	30,40	16000	24800	0,400
7206 HG1UJ74	30	62	16	23,40	15,20	20000	31000	0,200
CH 7206 CG1DUJ74	30	62	32	39,70	31,80	23400	36400	0,400
CH 7206 CG1UJ74	30	62	16	24,40	15,90	29900	45500	0,200
7207 CG1DBJ74	35	72	34	52,80	43,40	16000	24800	0,580
7207 CG1DFJ74	35	72	34	52,80	43,40	16000	24800	0,580
7207 CG1DUJ74	35	72	34	52,80	43,40	16000	24800	0,580
7207 CG1UJ74	35	72	17	32,50	21,70	20000	31000	0,290
7207 CG1URJ74	35	72	17	32,50	21,70	20000	31000	0,290
7207 HG1DBJ74	35	72	34	50,40	41,40	14000	21600	0,580
7207 HG1DFJ74	35	72	34	50,40	41,40	14000	21600	0,580
7207 HG1DUJ74	35	72	34	50,40	41,40	14000	21600	0,580
7207 HG1DUJ74D	35	72	34	50,40	41,40	14000	21600	0,580

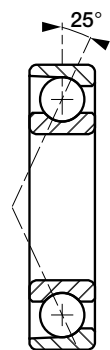
7200CG1, 7200HG1



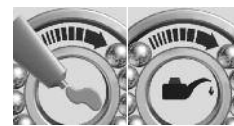
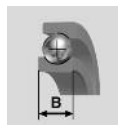
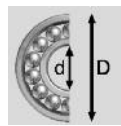
ML/MLE



7200CG1



7200HG1

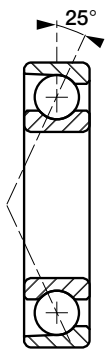
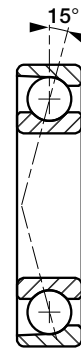


d D B C Co tr/mn tr/mn kg
 x 1000 Newtons

7207 HG1UJ74	35	72	17	31,00	20,70	18000	27000	0,290
CH 7207 CG1DUJ74	35	72	34	52,80	43,40	20800	32240	0,580
CH 7207 CG1UJ74	35	72	17	32,50	21,70	26000	40300	0,290
7208 CG1DBJ74	40	80	36	59,30	50,00	15000	23600	0,740
7208 CG1DFJ74	40	80	36	59,30	50,00	15000	23600	0,740
7208 CG1DUJ74	40	80	36	59,30	50,00	15000	23600	0,740
7208 CG1UJ74	40	80	18	36,50	25,00	19000	29500	0,370
7208 CG1URJ74	40	80	18	36,50	25,00	19000	29500	0,370
7208 HG1DBJ74	40	80	36	56,90	48,20	13000	20400	0,740
7208 HG1DBJ74D	40	80	36	56,90	48,20	13000	20400	0,740
7208 HG1DUJ74	40	80	36	56,90	48,20	13000	20400	0,740
7208 HG1UJ74	40	80	18	35,00	24,10	17000	25500	0,370
CH 7208 CG1DUJ74	40	80	36	59,30	50,00	19500	30680	0,740
CH 7208 CG1UJ74	40	80	18	36,50	25,00	24700	38350	0,370
7209 CG1DBJ74	45	85	38	69,90	59,00	14000	20800	0,820
7209 CG1DBJ74D	45	85	38	70,70	59,00	14000	20800	0,820
7209 CG1DUJ74	45	85	38	70,70	59,00	14000	20800	0,820
7209 CG1UJ74	45	85	19	43,50	29,50	17000	26000	0,410
7209 CG1UJ74D	45	85	19	43,50	29,50	17000	26000	0,410
7209 HG1DBJ74	45	85	38	67,40	56,00	12000	18400	0,820
7209 HG1DBJ74D	45	85	38	67,40	56,00	12000	18400	0,820
7209 HG1DUJ74	45	85	38	67,40	56,00	12000	18400	0,820
7209 HG1UJ74	45	85	19	41,50	28,00	15000	23000	0,410
7209 HG1URJ74	45	85	19	41,50	28,00	15000	23000	0,410
CH 7209 CG1DUJ74	45	85	38	70,70	59,00	18200	27040	0,820
CH 7209 HG1DUJ74	45	85	38	67,40	56,00	15600	23920	0,820
7210 CG1DBJ74	50	90	40	74,80	65,00	12000	19200	0,920
7210 CG1DUJ74	50	90	40	74,80	65,00	12000	19200	0,920
7210 CG1UJ74	50	90	20	46,00	32,50	16000	24000	0,460
7210 CG1UJ74D	50	90	20	46,00	32,50	16000	24000	0,460
7210 CG1URJ74	50	90	20	46,00	32,50	16000	24000	0,460
7210 HG1DBJ74	50	90	40	71,50	62,00	11000	17200	0,920
7210 HG1DBJ74D	50	90	40	71,50	62,00	11000	17200	0,920
7210 HG1DUJ74	50	90	40	71,50	62,00	11000	17200	0,920
7210 HG1UJ74	50	90	20	44,00	31,00	14000	21500	0,460
CH 7210 CG1DUJ74	50	90	40	74,80	65,00	15600	24960	0,920
7211 CG1DBJ74	55	100	42	86,10	80,00	11000	17200	1,240
7211 CG1DTJ74	55	100	42	86,10	80,00	11000	17200	1,240
7211 CG1DUJ74	55	100	42	86,10	80,00	11000	17200	1,240
7211 CG1UJ74	55	100	21	53,00	40,00	14000	21500	0,620
7211 HG1DBJ74	55	100	42	82,90	76,00	10000	15600	1,240



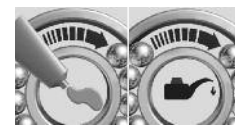
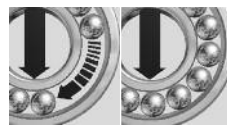
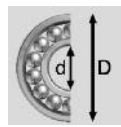
7200CG1, 7200HG1



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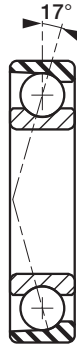
7200CG1

7200HG1



	d	D	B	C	Co	tr/mn	tr/mn	kg
	x 1000 Newtons							
7211 HG1DUJ74	55	100	42	82,90	76,00	10000	15600	1,240
7211 HG1UJ74	55	100	21	51,00	38,00	13000	19500	0,620
7211 HG1URJ74	55	100	21	51,00	38,00	13000	19500	0,620
CH 7211 CG1DUJ74	55	100	42	86,10	80,00	14300	22360	1,240
CH 7211 HG1DUJ74	55	100	42	82,90	76,00	13000	20280	1,240
7212 CG1DBJ74	60	110	44	105,60	98,00	10000	15600	1,620
7212 CG1DFJ74	60	110	44	105,60	98,00	10000	15600	1,620
7212 CG1DTJ74	60	110	44	105,60	98,00			1,620
7212 CG1DUJ74	60	110	44	105,60	98,00	10000	15600	1,620
7212 CG1UJ74	60	110	22	65,00	49,00	13000	19500	0,810
7212 CG1URJ74	60	110	22	65,00	49,00	13000	19500	0,810
7212 HG1DBJ74	60	110	44	100,80	94,00	9000	14000	1,620
7212 HG1DFJ74	60	110	44	100,80	94,00	9000	14000	1,620
7212 HG1DUJ74	60	110	44	100,80	94,00	9000	14000	1,620
7212 HG1UJ74	60	110	22	62,00	47,00	11000	17500	0,810
7212 HG1URJ74	60	110	22	62,00	47,00	13000	19500	0,810
CH 7212 CG1DBJ74	60	110	44	105,60	98,00	13000	20280	1,620
CH 7212 CG1DUJ74	60	110	44	105,60	98,00	13000	20280	1,620
CH 7212 HG1DBJ74	60	110	44	100,80	94,00	11700	18200	1,620
7213 CG1DBJ74	65	120	46	108,90	108,00	9000	14000	2,100
7213 CG1DFJ74D	65	120	46	108,90	108,00	9000		2,100
7213 CG1DUJ74	65	120	46	108,90	108,00	9000	14000	2,100
7213 CG1UJ74	65	120	23	67,00	54,00	11000	17500	1,050
7213 HG1DBJ74	65	120	46	104,00	104,00	9000	13200	2,100
7213 HG1DUJ74	65	120	46	104,00	104,00	9000	13200	2,100
7213 HG1UJ74	65	120	23	64,00	52,00	11000	16500	1,050
7213 HG1URJ74	65	120	23	64,00	52,00	11000	16500	1,050
CH 7213 CG1DBJ74	65	120	46	108,90	108,00	11700	18200	2,100
CH 7213 CG1UJ74	65	120	23	67,00	54,00	14300	22750	1,050
7214 CG1DBJ74	70	125	48	125,10	120,00	9000	13200	2,200
7214 CG1DTJ74	70	125	48	125,10	120,00	7700	11900	2,200
7214 CG1DUJ74	70	125	48	125,10	120,00	9000	13200	2,200
7214 CG1DURJ74	70	125	48	125,125	120,00	9000	13200	2,200
7214 CG1UJ74	70	125	24	77,00	60,00	11000	16500	1,100
7214 HG1DBJ74	70	125	48	118,60	114,00	8000	12000	2,200
7214 HG1DUJ74	70	125	48	118,60	114,00	8000	12000	2,200
7214 HG1UJ74	70	125	24	73,00	57,00	10000	15000	1,100
7214 HG1URJ74								
7215 CG1DBJ74	75	130	50	130,00	130,00	8000	12800	2,400
7215 CG1DUJ74	75	130	50	130,00	130,00	8000	12800	2,400
7215 CG1UJ74	75	130	25	80,00	65,00	10000	16000	1,200
7215 CG1URJ74	75	130	25	80,00	65,00	10000	16000	1,200

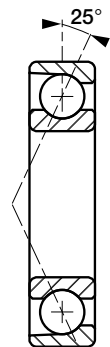
7200CG1, 7200HG1



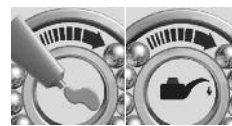
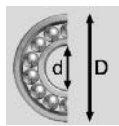
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7200CG1



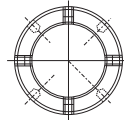
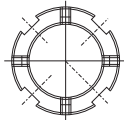
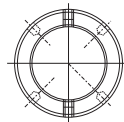
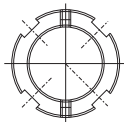
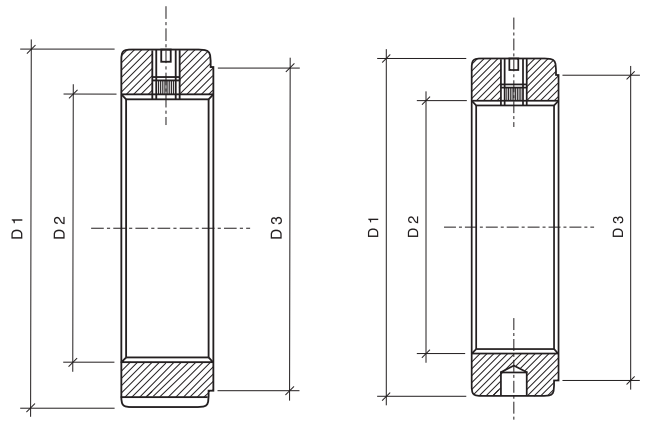
7200HG1



	d	D	B	C	Co	tr/mn	tr/mn	kg
				x 1000 Newtons				
7215 HG1DUJ74	75	130	50	123,50	124,00	8000	11600	2,400
7215 HG1UJ74	75	130	25	76,00	62,00	9000	14500	1,200
7216 CG1DBJ74	80	140	52	152,80	156,00	8000	12000	2,940
7216 CG1DUJ74	80	140	52	152,80	156,00	8000	12000	2,940
7216 CG1UJ74	80	140	26	94,00	78,00	10000	15000	1,470
7216 HG1DBJ74	80	140	52	144,625	148,00	7000	10400	2,940
7216 HG1DFJ74	80	140	52	144,60	148,00	7000	10400	2,940
7216 HG1DUJ74	80	140	52	144,60	148,00	7000	10400	2,940
7216 HG1UJ74	80	140	26	89,00	74,00	8000	13000	1,470
7216 HG1URJ74	80	140	26	89,00	74,00	8000	13000	1,470
7217 CG1DBJ74	85	150	56	175,50	182,00	7000	11200	3,620
7217 CG1DUJ74	85	150	56	175,50	182,00	7000	11200	3,620
7217 CG1UJ74	85	150	28	108,00	91,00	9000	14000	1,810
7217 HG1DUJ74	85	150	56	167,40	172,00	6000	9600	3,620
7217 HG1UJ74	85	150	28	103,00	86,00	8000	12000	1,810
CH 7217 CG1DUJ74	85	150	56	175,50	182,00	9100	14560	3,620
7218 CG1DBJ74	90	160	60	201,50	210,00	7000	10000	4,480
7218 CG1DUJ74	90	160	60	201,50	210,00	7000	10000	4,480
7218 CG1UJ74	90	160	30	124,00	105,00	8000	12500	2,240
7218 HG1DBJ74	90	160	60	191,80	200,00	6000	8800	4,480
7218 HG1DUJ74	90	160	60	191,80	200,00	6000	8800	4,480
7218 HG1UJ74	90	160	30	118,00	100,00	7000	11000	2,240
7220 CG1DUJ74	100	180	68	243,80	254,00	6000	8800	6,460
7220 CG1UJ74	100	180	34	150,00	127,00	7000	11000	3,230
7220 HG1DUJ74	100	180	68	232,40	242,00	5000	7840	6,460
7220 HG1UJ74	100	180	34	143,00	121,00	6000	9800	3,230
7222 CG1DBJ74	110	200	76	287,60	320,00	5000	7760	9,060
7222 CG1DUJ74	110	200	76	287,60	320,00	5000	7760	9,060
7222 CG1UJ74	110	200	38	177,00	160,00	6000	9700	4,530
7222 HG1DUJ74	110	200	76	274,60	306,00	5000	6960	9,060
7222 HG1UJ74	110	200	38	169,00	153,00	6000	8700	4,530
7224 CG1DBJ74	120	215	80	313,625	374,00	5000	6960	11,200
7224 CG1DUJ74	120	215	80	313,60	374,00	5000	6960	11,200
7224 CG1UJ74	120	215	40	193,00	187,00	6000	8700	5,600
7224 HG1DUJ74	120	215	80	299,00	356,00	4000	6240	11,200
7224 HG1UJ74	120	215	40	184,00	178,00	5000	7800	5,600

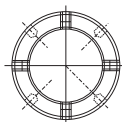
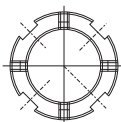
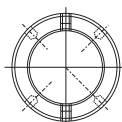
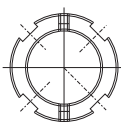
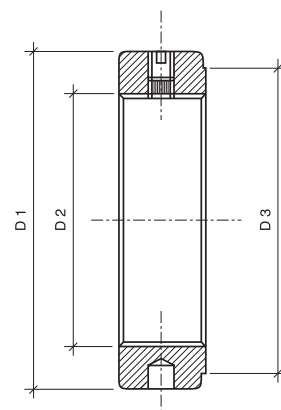
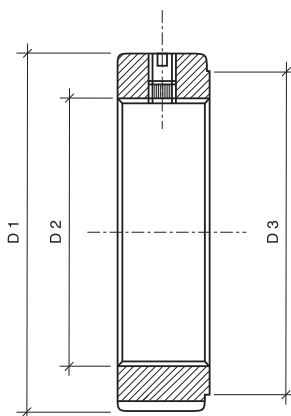


B, BP, BR, BPR TB, TBP, TBR, TBPR



D2			D1	D3	kg
M 8x0.75	B 8/0.75	-	16	11	0,01
M 12x1	B 12/1	-	22	18	0,015
M 15x1	B 15/1	-	25	21	0,02
M 17x1	B 17/1	-	28	24	0,03
M 20x1	B 20/1	TB 20/1	32	28	0,04
M 20x1	BP 20/1	TBP 20/1	38	28	0,12
M 20x1	BPR 20/1	TBPR 20/1	38	28	0,12
M 20x1.5	B 20/1.5	TB 20/1.5	32	28	0,04
M 20x1.5	BP 20/1.5	TBP 20/1.5	38	28	0,12
M 20x1.5	BPR 20/1.5	TBPR 20/1.5	38	28	0,12
M 25x1.5	B 25	TB 25	38	33	0,06
M 25x1.5	BR 25	TBR 25	38	33	0,06
M 25x1.5	BP 25	TBP 25	45	33	0,17
M 25x1.5	BPR 25	TBPR 25	45	33	0,17
M 30x1.5	B 30	TB 30	45	40	0,08
M 30x1.5	BR 30	TBR 30	45	40	0,08
M 30x1.5	BP 30	TBP 30	52	40	0,24
M 30x1.5	BPR 30	TBPR 30	52	40	0,24
M 35x1.5	B 35	TB 35	52	47	0,11
M 35x1.5	BR 35	TBR 35	52	47	0,11
M 35x1.5	BP 35	TBP 35	58	47	0,28
M 35x1.5	BPR 35	TBPR 35	58	47	0,28
M 40x1.5	B 40	TB 40	58	52	0,15
M 40x1.5	BR 40	TBR 40	58	52	0,15
M 40x1.5	BP 40	TBP 40	62	52	0,29
M 40x1.5	BPR 40	TBPR 40	62	52	0,29
M 45x1.5	B 45	TB 45	65	59	0,18
M 45x1.5	BR 45	TBR 45	65	59	0,18
M 45x1.5	BP 45	TBP 45	68	59	0,37
M 45x1.5	BPR 45	TBPR 45	68	59	0,37
M 50x1.5	B 50	TB 50	70	64	0,20
M 50x1.5	BR 50	TBR 50	70	64	0,20
M 50x1.5	BP 50	TBP 50	75	64	0,46
M 50x1.5	BPR 50	TBPR 50	75	64	0,46
M 55x2	B 55	TB 55	75	68	0,25
M 55x2	BR 55	TBR 55	75	68	0,25

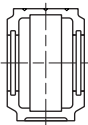
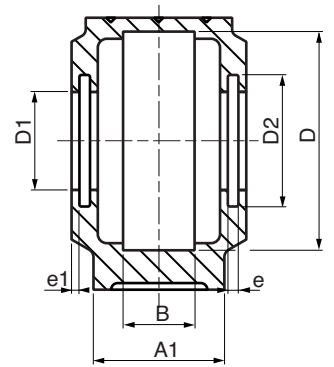
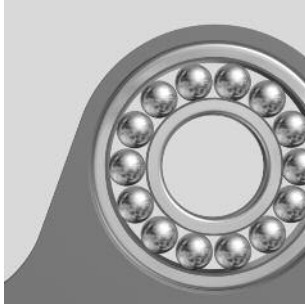
B, BP, BR, BPR TB, TBP, TBR, TBPR



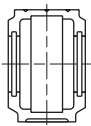
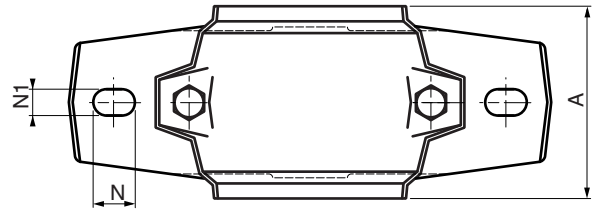
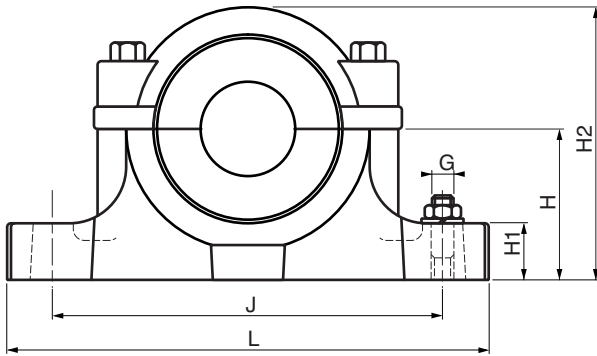
D2			D1	D3	kg
M 55x2	BP 55	TBP 55	88	68	0,92
M 55x2	BPR 55	TBPR 55	88	68	0,92
M 60x2	B 60	TB 60	80	73	0,27
M 60x2	BR 60	TBR 60	80	73	0,27
M 60x2	BP 60	TBP 60	98	73	1,14
M 60x2	BPR 60	TBPR 60	98	73	1,14
M 65x2	B 65	TB 65	85	78	0,28
M 65x2	BR 65	TBR 65	85	78	0,28
M 65x2	BP 65	TBP 65	105	78	1,29
M 65x2	BPR 65	TBPR 65	105	78	1,29
M 70x2	B 70	TB 70	92	85	0,38
M 70x2	BR 70	TBR 70	92	85	0,38
M 70x2	BP 70	TBP 70	110	85	1,49
M 70x2	BPR 70	TBPR 70	110	85	1,49
M 75x2	B 75	TB 75	98	90	0,42
M 75x2	BR 75	TBR 75	98	90	0,42
M 75x2	BP 75	TBP 75	125	90	2,25
M 75x2	BPR 75	TBPR 75	125	90	2,25
M 80x2	B 80	TB 80	105	95	0,49
M 80x2	BR 80	TBR 80	105	95	0,49
M 80x2	BP 80	TBP 80	140	95	2,97
M 80x2	BPR 80	TBPR 80	140	95	2,97
M 85x2	B 85	TB 85	110	100	0,52
M 85x2	BR 85	TBR 85	110	100	0,52
M 85x2	BP 85	TBP 85	150	100	3,44
M 85x2	BPR 85	TBPR 85	150	100	3,44
M 90x2	B 90	TB 90	120	110	0,75
M 90x2	BR 90	TBR 90	120	110	0,75
M 90x2	BP 90	TBP 90	155	110	3,59
M 90x2	BPR 90	TBPR 90	155	110	3,59
M 95x2	B 95	TB 95	125	115	0,78
M 95x2	BR 95	TBR 95	125	115	0,78
M 95x2	BP 95	TBP 95	160	115	3,73
M 95x2	BPR 95	TBPR 95	160	115	3,73
M 100x2	B 100	TB 100	130	120	0,82
M 100x2	BR 100	TBR 100	130	120	0,82
M 100x2	BP 100	TBP 100	160	120	3,70
M 100x2	BPR 100	TBPR 100	160	120	3,70



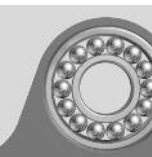
SNU 500/600



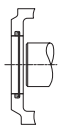
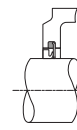
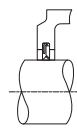
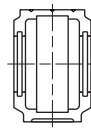
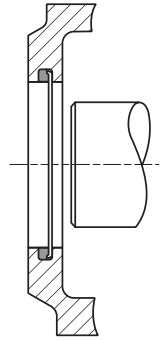
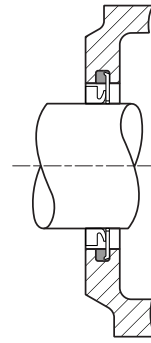
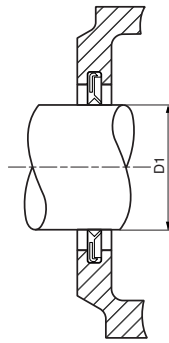
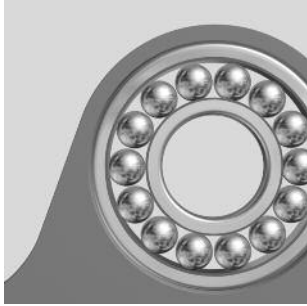
	D mm	B mm	D1 mm	D2 mm	e mm	e1 mm	A1 mm	kg
SN 505	52	25					46	1,6
SNU 506/605	62	32	36,5	44,5	5	2,5	52	1,9
SNU 507/606	72	34	46,5	54,5	5	2,5	52	2,1
SNU 508/607	80	39	51,5	59,5	5	2,5	60	2,7
SNU 509	85	30	56,5	64,5	5	3,5	60	2,9
SNU 510/608	90	41	62	70,5	5	3,5	60	3,0
SNU 511/609	100	44	67	75,5	5	3,5	70	4,3
SNU 512/610	110	48	72	80,5	5	3,5	70	4,8
SNU 513/611	120	51	77	85,5	5	3,5	80	5,7
SNU 515/612	130	56	87	95,5	5	3,5	80	6,3
SNU 516/613	140	58	92,5	101	5	5,5	90	8,6
SNU 517	150	61	97,5	106	5	5,5	90	9,8
SNU 518/615	160	65	102,5	111	5	5,5	100	12,0
SNU 519/616	170	68	131	141	6	5,5	100	13,2
SNU 520/617	180	70	137,5	147,5	6	5,5	110	17,5
SN 618	190	74					110	17,5
SNU 522/619	200	80	147,5	157,5	6	5,5	120	20,5
SNU 524/620	215	86	157,5	167,5	6	5,5	120	25,5
SNU 526	230	90	167,5	177,5	6	7	130	33,0
SN 622	240	90					130	34,0
SNU 528	250	98	177,5	187,5	6	7	150	42,5
SNU 530	270	106	192,5	202,5	6	7,5	160	53,5
SNU 532	290	114	202,5	212,5	6	7,5	160	57,0




	L mm	J mm	H mm	H1 mm	H2 mm	G mm	A mm	N mm	N1 mm
SN 505	165	130	40	22	75	M12	67	20	15
SNU 506/605	185	150	50	22	87	M10	77	20	13
SNU 507/606	185	150	50	22	92	M10	82	20	13
SNU 508/607	205	170	60	25	106	M12	85	20	15
SNU 509	205	170	60	25	109	M12	85	20	15
SNU 510/608	205	170	60	25	112	M12	90	20	15
SNU 511/609	255	210	70	28	127	M16	95	23	18
SNU 512/610	255	210	70	30	133	M16	105	23	18
SNU 513/611	275	230	80	30	148	M16	110	24	18
SNU 515/612	280	230	80	30	154	M16	115	26	18
SNU 516/613	315	260	95	32	175	M20	120	29	22
SNU 517	320	260	95	32	181	M20	125	30	22
SNU 518/615	345	290	100	35	192	M20	140	27	22
SNU 519/616	345	290	112	35	209	M20	145	27	22
SNU 520/617	380	320	112	40	215	M24	160	32	26
SN 618	380	320	112	40	220	M24	160	32	26
SNU 522/619	410	350	125	45	239	M24	175	32	26
SNU 524/620	410	350	140	45	271	M24	185	32	26
SNU 526	445	380	150	50	290	M24	190	35	28
SN 622	450	390	150	50	340	M24	190	35	28
SNU 528	500	420	150	50	302	M30	205	42	35
SNU 530	530	450	160	60	323	M30	220	42	35
SNU 532	550	470	170	60	344	M30	235	42	35

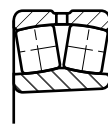
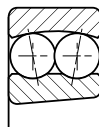
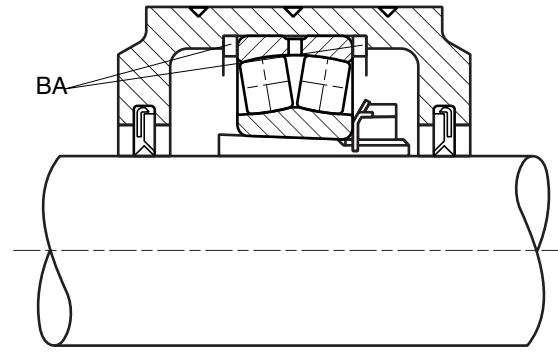
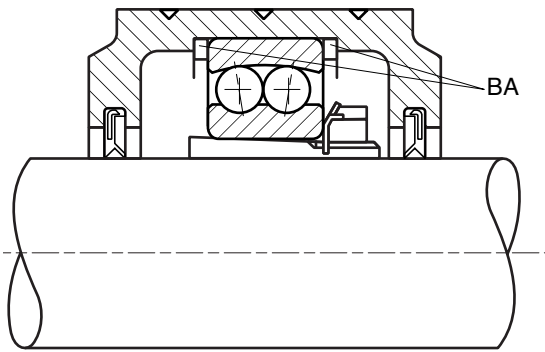


SNU 500, SNU 600

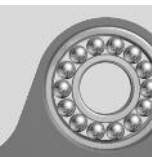


d1

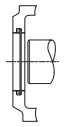
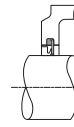
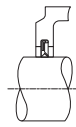
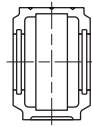
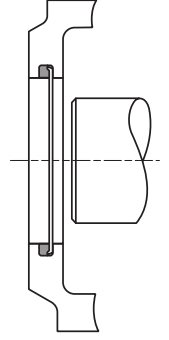
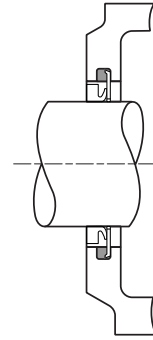
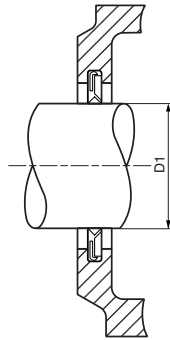
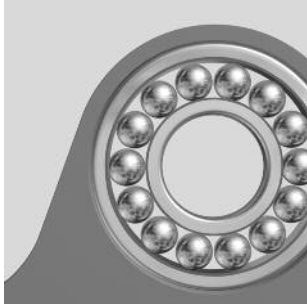
20	SN 505 				
25	SNU 506	506/605	U 506	VR 506	OBT. 506/605
25	SNU 606	507/606	U 606	VR 606	OBT. 507/606
30	SNU 507	507/606	U 507	VR 507	OBT. 507/606
30	SNU 607	508/607	U 607	VR 607	OBT. 508/607
35	SNU 508	508/607	U 508	VR 508	OBT. 508/607
35	SNU 608	510/608	U 608	VR 608	OBT. 510/608
40	SNU 509	509	U 509	VR 509	OBT. 509
40	SNU 609	511/609	U 609	VR 609	OBT. 511/609
45	SNU 510	510/608	U 510	VR 510	OBT. 510/608
45	SNU 610	512/610	U 610	VR 610	OBT. 512/610
50	SNU 511	511/609	U 511	VR 511	OBT. 511/609
50	SNU 611	513/611	U 611	VR 611	OBT. 513/611
55	SNU 512	512/610	U 512	VR 512	OBT. 512/610
55	SNU 612	515/612	U 612	VR 612	OBT. 515/612
60	SNU 513	513/611	U 513	VR 513	OBT. 513/611
60	SNU 613	516/613	U 613	VR 613	OBT. 516/613



d1						BA
20	SN 505	1205 K		H 205	2	52x5
		2205 K	22205 K	H 305	2	52x3,5
25	SNU 506	1206 K		H 206	2	62x8
		2206 K	22206 K	H 306	2	62x6
25	SNU 606	1306 K	21306 K	H 306	2	72x7,5
		2306 K		H 2306	2	72x3,5
30	SNU 507	1207 K		H 207	2	72x8,5
		2207 K	22207 K	H 307	2	72x5,5
30	SNU 607	1307 K	21307 K	H 307	2	80x9
		2307 K		H 2307	2	80x4
35	SNU 508	1208 K		H 208	2	80x10,5
		2208 K	22208 K	H 308	2	80x8
35	SNU 608	1308 K	21308 K	H 308	2	90x9
		2308 K	22308 K	H 2308	2	90x4
40	SNU 509	1209 K		H 209	2	85x5,5
		2209 K	22209 K	H 309	2	85x3,5
40	SNU 609	1309 K	21309 K	H 309	2	100x9,5
		2309 K	22309 K	H 2309	2	100x4
45	SNU 510	1210 K		H 210	2	90x10,5
		2210 K	22210 K	H 310	2	90x9
45	SNU 610	1310 K	21310 K	H 310	2	110x10,5
		2310 K	22310 K	H 2310	2	110x4
50	SNU 511	1211 K		H 211	2	100x11,5
		2211 K	22211 K	H 311	2	100x9,5
50	SNU 611	1311 K	21311 K	H 311	2	120x11
		2311 K	22311 K	H 2311	2	120x4
55	SNU 512	1212 K		H 212	2	110x13
		2212 K	22212 K	H 312	2	110x10
55	SNU 612	1312 K	21312 K	H 312	2	130x12,5
		2312 K	22312 K	H 2312	2	130x5
60	SNU 513	1213 K		H 213	2	120x14
		2213 K	22213 K	H 313	2	120x10
60	SNU 613	1313 K	21313 K	H 313	2	140x12,5
		2313 K	22313 K	H 2313	2	140x5

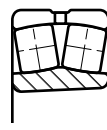
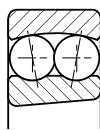
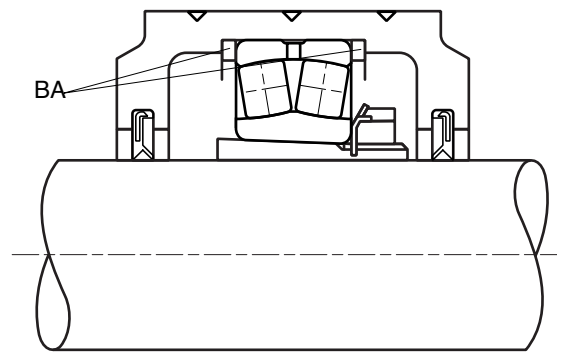
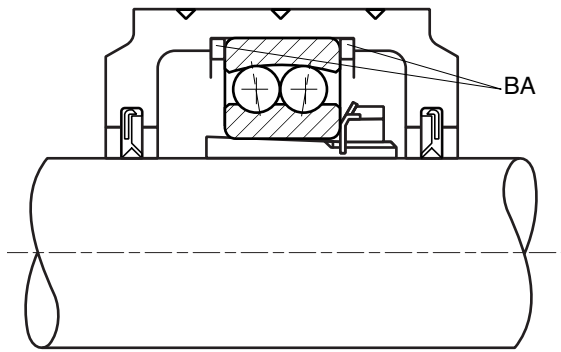


SNU 500, SNU 600

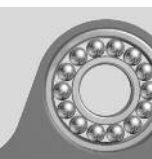


d1

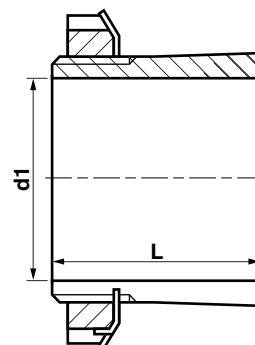
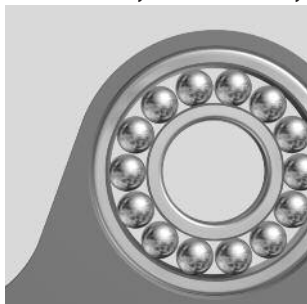
65	SNU 515	515/612	U 515	VR 515	OBT. 515/612
65	SNU 615	518/615	U 615	VR 615	OBT. 518/615
70	SNU 516	516/613	U 516	VR 516	OBT. 516/613
70	SNU 616	519/616	U 616	VR 616	OBT. 519/616
75	SNU 517	517	U 517	VR 517	OBT. 517
75	SNU 617	520/617	U 617	VR 617	OBT. 520/617
80	SNU 518	518/615	U 518	VR 518	OBT. 518/615
80	SN 618 📞				
85	SNU 519	519/616	U 519	VR 519	OBT. 519/616
85	SNU 619	522/619	U 619	VR 619	OBT. 522/619
90	SNU 520	520/617	U 520	VR 520	OBT. 520/617
90	SNU 620	524/620	U 620	VR 620	OBT. 524/620
100	SNU 522	522/619	U 522	VR 522	OBT. 522/619
100	SN 622 📞				
110	SNU 524	524/620	U 524	VR 524	OBT. 524/620
115	SNU 526	526	U 526	VR 526	OBT. 526
125	SNU 528	528	U 528	VR 528	OBT. 528
135	SNU 530	530	U 530	VR 530	OBT. 530
140	SNU 532	532	U 532	VR 532	OBT. 532



d1						BA
65	SNU 515	1215 K		H 215	2	130x15,5
		2215 K	22215K	H 315	2	130x12,5
65	SNU 615	1315 K	21315 K	H 315	2	160x14
		2315 K	22315 K	H 2315	2	160x5
70	SNU 516	1216 K		H 216	2	140x16
		2216 K	22216 K	H 316	2	140x12,5
70	SNU 616	1316 K	21316 K	H 316	2	170x14,5
		2316 K	22316 K	H 2316	2	170x5
75	SNU 517	1217 K		H 217	2	150x16,5
		2217 K	22217 K	H 317	2	150x12,5
75	SNU 617	1317 K	21317 K	H 317	2	180x14,5
		2317 K	22317 K	H 2317	2	180x5
80	SNU 518	1218 K		H 218	2	160x17,5
		2218 K	22218 K	H 318	2	160x12,5
80	SN 618	1318 K	21318 K	H 318	2	190x15,5
		2318 K	22318 K	H 2318	2	190x5
85	SNU 519	1219 K		H 219	2	170x18
		2219 K	22219 K	H 319	2	170x12,5
85	SNU 619		22319 K	H 2319	2	200x6,5
90	SNU 520	1220 K		H 220	2	180x18
		2220 K	22220 K	H 320	2	180x12
90	SNU 620		23220 K	H 2320	2	180x5
90	SNU 620	1320K		H 320	2	215x19,5
			22320 K	H 2320	2	215x6,5
100	SNU 522	1222 K		H 222	2	200x21
		2222 K	22222 K	H 322	2	200x13,5
100	SN 622		23222 K	H 2322	2	200x5,1
100	SN 622		22322 K	H 2322	2	240x5
110	SNU 524		22224 K	H3124	2	215x14
			23224 K	H2324	2	215x5
115	SNU 526		22226 K	H 3126	2	230x13
			23226 K	H 2326	2	230x5
125	SNU 528		22228 K	H 3128	2	250x15
			23228 K	H 2328	2	250x5
135	SNU 530		22230 K	H 3130	2	270x16,5
			23230 K	H 2330	2	270x5
140	SNU 532		22232 K	H 3132	2	270x17
			23232 K	H 2332	2	290x5



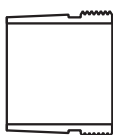
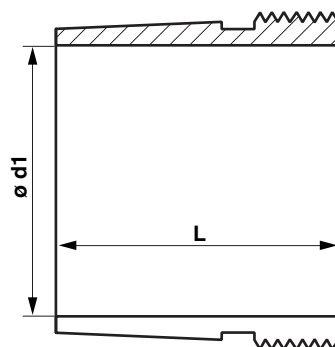
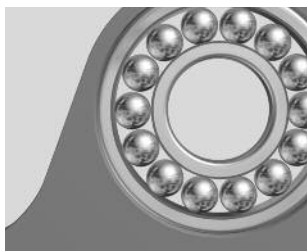
H 200, H 300, H 2300, H 3000, H 3100



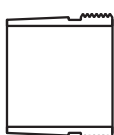
d1 mm		L mm	kg	d1 mm		L mm	kg	d1 mm		L mm	kg
17	H204	24	0,04	70	H216	46	0,88	150	H2334	154	10,20
	H304	28	0,05		H316	59	1,03		H3034	101	5,99
20	H205	26	0,07		H2316	78	1,28		H3134	122	8,38
	H305	29	0,08	75	H217	50	1,02	160	H2336	161	11,30
	H2305	35	0,09		H317	63	1,18		H3036	109	6,83
25	H206	27	0,10		H2317	82	1,45		H3136	131	9,50
	H306	31	0,11	80	H218	52	1,19	170	H2338	169	12,60
	H2306	38	0,13		H318	65	1,37		H3038	112	7,45
30	H207	29	0,13		H2318	86	1,69		H3138	141	10,80
	H307	35	0,14	85	H219	55	1,37	180	H2340	176	13,90
	H2307	43	0,17		H319	68	1,56		H3040	120	9,19
35	H208	31	0,17		H2319	90	1,92		H3140	150	12,10
	H308	36	0,19	90	H220	58	1,49	200	H2344H	186	17,00
	H2308	46	0,22		H320	71	1,69		H3044H	126	10,30
40	H209	33	0,23		H2320	97	2,15		H3144	161	14,70
	H309	39	0,25	H3120	76	1,80	220	H2348H	199	20,00	
	H2309	50	0,28	100	H222	63		1,93	H3048H	133	13,20
45	H210	35	0,27		H322	77		2,18	H3148H	172	17,60
	H310	42	0,30		H2322	105	2,74	240	H2352H	211	24,50
	H2310	55	0,36	H3122	81	2,25	H3052H		145	15,30	
50	H211	37	0,31	110	H2324	112	3,19		H3152H	190	22,30
	H311	45	0,35		H3024	72	1,93	260	H2356H	224	28,40
	H2311	59	0,42		H3124	88	2,64		H3056H	152	17,70
55	H212	38	0,35	115	H2326	121	4,60		H3156H	195	25,10
	H312	47	0,39		H3026	80	2,85	280	H3060H	168	22,80
	H2312	62	0,48		H3126	92	3,66		H3160H	208	30,20
60	H213	40	0,40	125	H2328	131	5,55		H3260H	240	34,10
	H313	50	0,46		H3028	82	3,16	300	H3064H	171	24,60
	H2313	65	0,56		H3128	97	4,34		H3164H	226	34,90
60	H214	41	0,59	135	H2330	139	6,63		320	H3068H	187
	H314	52	0,72		H3030	87	3,89	H3168H		254	50,00
	H2314	68	0,90		H3130	111	5,52	340		H3072H	188
65	H215	43	0,71	140	H2332	147	9,14		H3172H	259	56,00
	H315	55	0,83		H3032	93	5,21		360	H3076H	193
	H2315	73	1,05		H3132	119	7,67	380		H3080H	210

AH 300, 2300, 3000, 3100, 3200, 24000, 24100

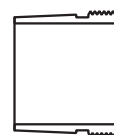
AHX 300, 2300, 3000, 3100, 3200



d1 mm		L mm	kg
35	AH 308	29	0,090
	AH 2308	40	0,128
40	AH 309	31	0,109
	AH 2309	44	0,164
45	AHX 310	35	0,137
	AHX 2310	50	0,209
50	AHX 311	37	0,161
	AHX 2311	54	0,253
55	AHX 312	40	0,189
	AHX 2312	58	0,297
60	AH 313 G	42	0,253
	AH 2313 G	61	0,395
65	AH 314 G	43	0,280
	AHX 2314 G	64	0,466
70	AH 315 G	45	0,313
	AHX 2315 G	68	0,534
75	AH 316	48	0,365
	AHX 2316	71	0,597
80	AHX 317	52	0,429
	AHX 2317	74	0,670
85	AHX 318	53	0,461
	AHX 3218	63	0,576
	AHX 2318	79	0,779
90	AHX 319	57	0,532
	AHX 2319	85	0,886
95	AHX 320	59	0,582
	AHX 3120	64	0,650
	AHX 3220	73	0,767
	AHX 2320	90	0,998
100	AHX 3122/100	68	0,760
	AHX 3222/100 G	73	1,040



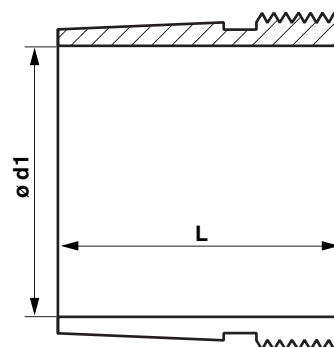
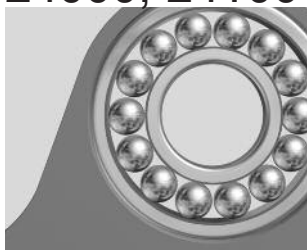
d1 mm		L mm	kg
105	AHX 322	63	0,663
	AHX 3122	68	0,760
	AH 24122	82	0,730
	AHX 3222 G	82	1,040
110	AHX 3222 G	82	1,040
	AHX 2322 G	98	1,350
110	AHX 3024/110	60	0,750
	AHX 3124/110	75	0,950
115	AHX 3024	60	0,750
	AH 24024	73	0,650
	AHX 3124	75	0,950
	AHX 3224 G	90	1,300
	AH 24124	93	1,000
120	AHX 2324 G	105	1,600
	AHX 3026/120	67	0,930
	AHX 3126/120	78	1,080
120	AHX 2326/120 G	115	1,970
125	AHX 3026	67	0,930
	AHX 3126	78	1,080
	AH 24026	83	0,880
	AH 24126	94	1,150
	AHX 3226 G	98	1,580
	AHX 2326 G	115	1,970
130	AHX 3028/130	68	1,010
	AHX 3128/130	83	1,280
	AHX 2328/130 G	125	2,330
135	AHX 3028	68	1,010
	AH 24028	83	0,910
	AHX 3128	83	1,280
	AH 24128	99	1,250
	AHX 3228 G	104	1,840
	AHX 2328 G	125	2,330
140	AHX 3030/140	72	1,150
	AHX 3130/140	96	1,790
	AHX 2330/140 G	114	2,220
145	AHX 3030	72	1,150
	AH 24030	90	1,040
	AHX 3130 G	96	1,790



d1 mm		L mm	kg
145	AHX 3230 G	114	2,220
	AH 24130	115	1,560
	AHX 2330 G	135	2,820
150	AH 3032	77	2,060
	AH 24032	95	2,330
	AH 3132 G	103	3,210
	AH 24132	124	3,000
	AH 3232 G	124	4,080
150	AH 2332 G	140	4,720
160	AH 3034	85	2,430
	AH 3134 G	104	3,400
	AH 24034	106	2,800
	AH 24134	125	3,210
	AH 3234 G	134	4,800
	AH 2334 G	146	5,250
170	AH 3036	92	2,810
	AH 2236 G	105	3,390
	AH 24036	116	3,200
	AH 3136 G	116	3,880
	AH 24136	134	3,750
	AH 3236 G	140	5,320
	AH 2336 G	154	5,830
180	AH 3038 G	96	3,320
	AH 2238 G	112	4,200
	AH 24038	118	3,500
	AH 3138 G	125	4,890
	AH 3238 G	145	5,900
180	AH 24138	146	4,280
	AH 2338 G	160	6,630
190	AH 3040 G	102	3,800
	AH 2240	118	4,680
	AH 24040	127	3,930
	AH 3140	134	5,490
	AH 3240	153	6,680
200	AH 24140	158	5,100
	AH 2340	170	7,540
	AOH 3044 G	111	7,290
	AOH 2244	130	9,100
	AOH 24044	138	8,200

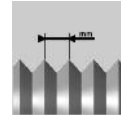
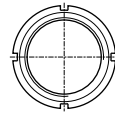
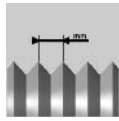
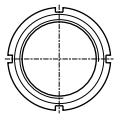
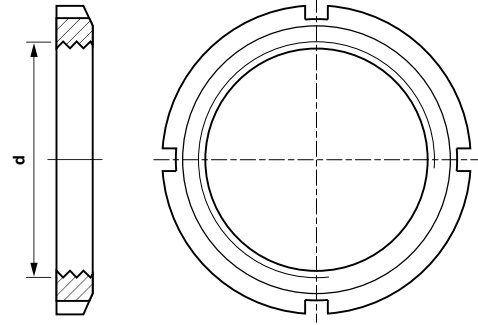
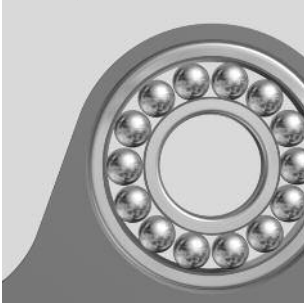


AOH 300, 2300, 3000, 3100, 3200, 24000, 24100



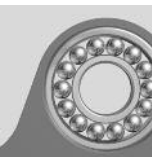
d1 mm		L mm	kg	d1 mm		L mm	kg	d1 mm		L mm	kg	
200	AOH 3144	145	10,400	260	AOH 3056	131	12,000	320	AOH 3068 G	162	19,100	
	AOH 24144	170	10,500		AOH 24056 G	162	13,700		AOH 3168 G	225	28,300	
	AOH 2344	181	13,500		AOH 3156 G	175	17,100		AOH 24168	269	29,000	
220	AOH 3048	116	8,750	AOH 24156	202	17,300	340	AOH 3072 G	167	20,400		
	AOH 24048	138	9,290	AOH 2356 G	212	21,300		AOH 3172	229	33,000		
	AOH 3148	154	12,000	280	AOH 3060	145		14,400	AH 24172H	269	30,800	
	AOH 24148	180	13,000		AOH 24060 G	184		16,800	360	AOH 3076 G	170	22,700
	AOH 2348	189	15,500		AOH 3160 G	192		20,400		380	AOH 3080 G	183
240	AOH 3052	128	10,700	AOH 24160	224	20,800						
	AOH 24052 G	162	12,700	AOH 3260 G	228	23,400						
	AOH 3152 G	172	15,500	300	AOH 3064 G	149	15,600					
	AOH 24152	202	16,000		AOH 3164 G	209	24,300					
	AOH 2352 G	205	18,900		AOH 24164	242	24,200					

KM, HM

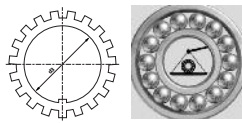
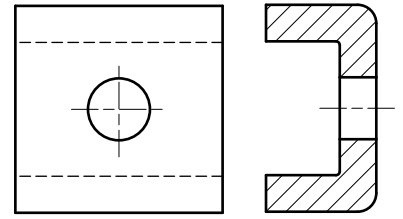
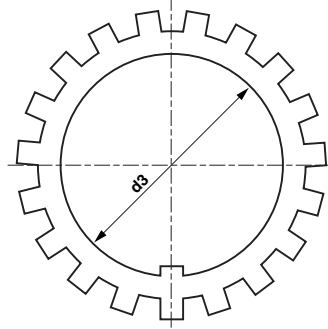
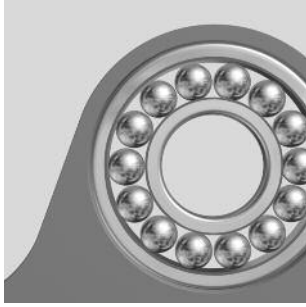


d mm			kg
10	KM0	M10 X 0.75	0,005
12	KM1	M12 X 1	0,007
15	KM2	M15 X 1	0,010
17	KM3	M17 X 1	0,013
20	KM4	M20 X 1	0,019
25	KM5	M25 X 1.5	0,025
30	KM6	M30 X 1.5	0,043
35	KM7	M35 X 1.5	0,053
40	KM8	M40 X 1.5	0,085
45	KM9	M45 X 1.5	0,120
50	KM10	M50 X 1.5	0,150
55	KM11	M55 X 2	0,160
60	KM12	M60 X 2	0,170
65	KM13	M65 X 2	0,200
70	KM14	M70 X 2	0,240
75	KM15	M75 X 2	0,290
80	KM16	M80 X 2	0,400
85	KM17	M85 X 2	0,450
90	KM18	M90 X 2	0,560
95	KM19	M95 X 2	0,660
100	KM20	M100 X 2	0,700
105	KM21	M105 X 2	0,850
110	KM22	M110 X 2	0,970
115	KM23	M115 X 2	1,010
120	KM24	M120 X 2	1,080
125	KM25	M125 X 2	1,190
130	KM26	M130 X 2	1,250
135	KM27	M135 X 2	1,550
140	KM28	M140 X 2	1,560
145	KM29	M145 X 2	2,000
150	KM30	M150 X 2	2,030
155	KM31	M155 X 3	2,210
160	KM32	M160 X 3	2,590
165	KM33	M165 X 3	2,700

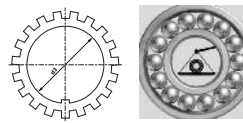
d mm			kg
170	KM34	M170 X 3	2,800
180	KM36	M180 X 3	3,070
190	KM38	M190 X 3	3,390
200	KM40	M200 X 3	3,690
205	HML41T	Tr205 X 4	3,430
210	HM42T	Tr210 X 4	4,750
215	HML43T	Tr215 X 4	3,720
220	HM3044	Tr220 X 4	3,090
220	HM44T	Tr220 X 4	5,350
230	HM46T	Tr230 X 4	5,800
240	HM3048	Tr240 X 4	5,160
240	HM48T	Tr240 X 4	6,200
260	HM3052	Tr260 X 4	5,670
250	HM50T	Tr250 X 4	7,000
260	HM52T	Tr260 X 4	8,400
280	HM3056	Tr280 X 4	6,780
280	HM56T	Tr280 X 4	9,600
300	HM3060	Tr300 X 4	9,620
300	HM3160	Tr300 X 4	11,700
320	HM3064	Tr320 X 5	9,940
320	HM3164	Tr320 X 5	13,000
340	HM3068	Tr340 X 5	11,700
340	HM3168	Tr340 X 5	23,000
360	HM3072	Tr360 X 5	12,000
360	HM3172	Tr360 X 5	25,000
380	HM3076	Tr380 X 5	14,900
380	HM3176	Tr380 X 5	30,800
400	HM3080	Tr400 X 5	16,900
420	HM3084	Tr420 X 5	17,400



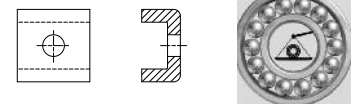
MB, MS



d3 mm		kg (/100)
10	MB0	0,130
12	MB1	0,200
15	MB2	0,250
17	MB3	0,300
20	MB4	0,400
25	MB5	0,600
30	MB6	0,800
35	MB7	1,100
40	MB8	1,300
45	MB9	1,500
50	MB10	1,600
55	MB11	2,200
60	MB12	2,500
65	MB13	3,000
70	MB14	3,300
75	MB15	3,600
80	MB16	4,600
85	MB17	5,300
90	MB18	6,200
95	MB19	6,700



d3 mm		kg (/100)
100	MB20	7,700
105	MB21	8,300
110	MB22	9,400
115	MB23	10,800
120	MB24	10,800
125	MB25	11,800
130	MB26	11,500
140	MB28	14,200
150	MB30	18,000
160	MB32	22,900
170	MB34	24,700
180	MB36	26,800
190	MB38	27,800
200	MB40	29,300
200	MBL40	22,000
220	MB44	35,000
240	MB48	45,000
260	MB52	65,000
280	MB56	105,000



d3 mm		kg (/100)
7	MS3044	2,100
9	MS3048	2,300
9	MS3052	2,300
9	MS3056	3,000
9	MS3060	3,200
9	MS3064	4,600
9	MS3068	4,600
9	MS3072	5,000
12	MS3076	5,300
12	MS3080	5,300
12	MS3160	3,800
12	MS3164	5,400
14	MS3168	6,700
14	MS3172	6,700