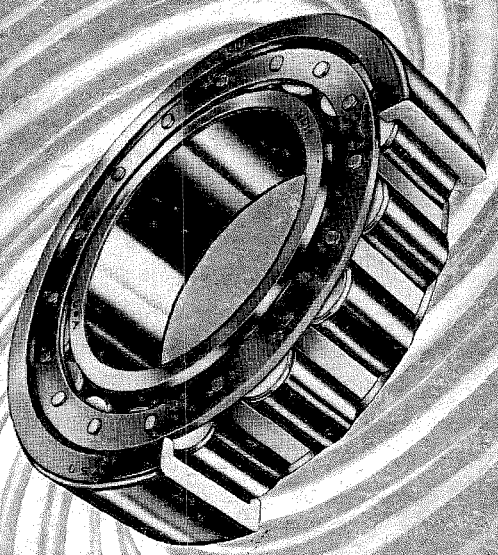
Catalog RB-1

NDH

NEW DEPARTURE HYATT

Roller Bearings

- DIMENSIONS
- ENGINEERING



ROLLER BEARING DIMENSIONAL DATA INDEX

THE BASIC TYPES OF

HOW TO USE THIS CATALOG

The purpose of this catalog is to provide dimensional and part number information required to identify NDH Hy-Roll Bearings quickly and accurately.

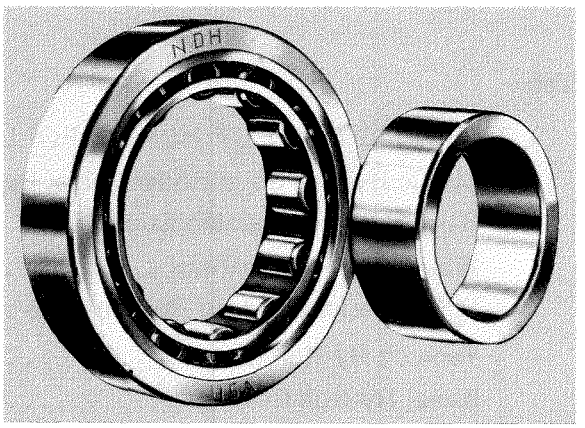
Usually it is possible to identify a bearing by reference to appropriate service manuals which list the bearing make and part number against its location in a particular application. The numbers stamped on the bearing component parts also help in verifying the bearing part number. Occasionally, however, the part number stamping is mutilated in service, or records on the exact application are not available. Then the problem becomes one of determining the correct part number from the dimensions and the physical appearance of the parts on hand. This catalog supplies the necessary information to enable you to do so.

Familiarity with the material in this catalog and its presentation will be helpful in developing speed and accuracy of identification. The following procedure is suggested:

Identify the type of bearing, i.e., whether it is a Metric Hy-Roll, Barrel Hy-Roll, Tapered Hy-Roll, Wound Hy-Roll or Solid Trunnioned-end Roller type.

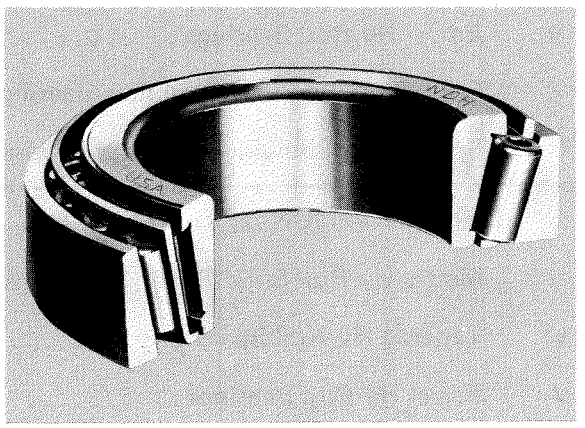
Refer to appropriate tables and determine the part number according to instructions given with each table.

Individual component parts, such as roller assemblies and separable inner and outer rings can be identified by dimensions and descriptions given in the appropriate tables.



"Metric Hy-Roll" Bearings—Table I, Page 6

Bearings in this group are distinguished by the short cylindrical solid rollers with flat ends, and cylindrical rings. The rings may be plain or have a rib. This rib may be at one end only, or at both ends.



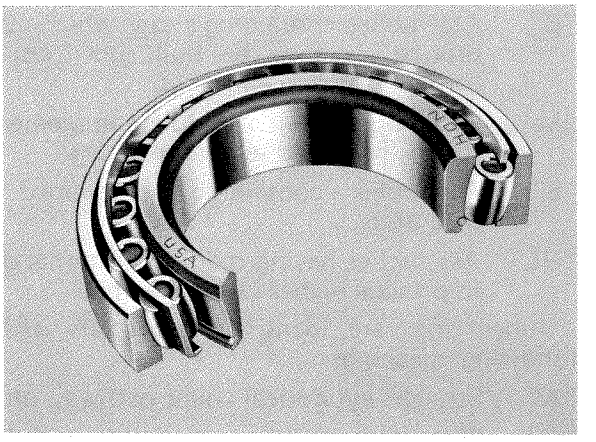
"Tapered" Hy-Roll Bearings—Table IV, Page 53

Tapered Hy-Roll bearings are exactly what their name signifies. The rollers are conical or tapered. The ring operating surfaces are tapered also, and the inner rings are always made with a flange or shoulder at the thick end. The rollers are usually held with the inner ring, the outer ring being separable. Roller and inner ring assemblies are commonly called "cones", the outer rings, "cups". The Double Row type is usually made up of two cones and a double tapered cup.

NDH HY-ROLL BEARINGS

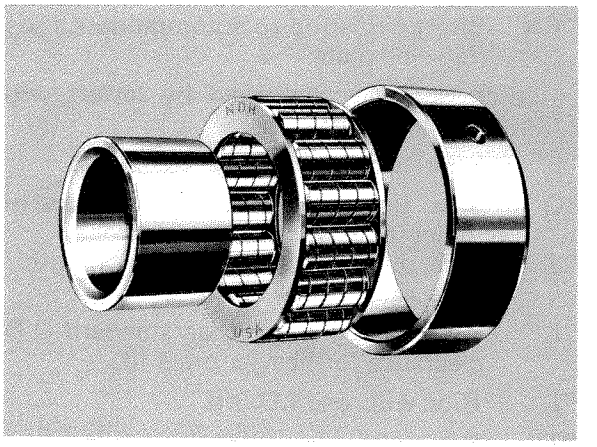
"Barrel" Hy-Roll Bearings—
Table V, Page 57

Barrel Hy-Roll bearings are easily identified by their symmetrical barrel shaped rollers and curved pathways. Rings of the single row types are separable, the rollers being held with one ring by the separator and a snap ring. The only exceptions to this are the steering gear bearings in which the roller assembly is a separate unit because there is no inner ring. Double row types are non-separable.



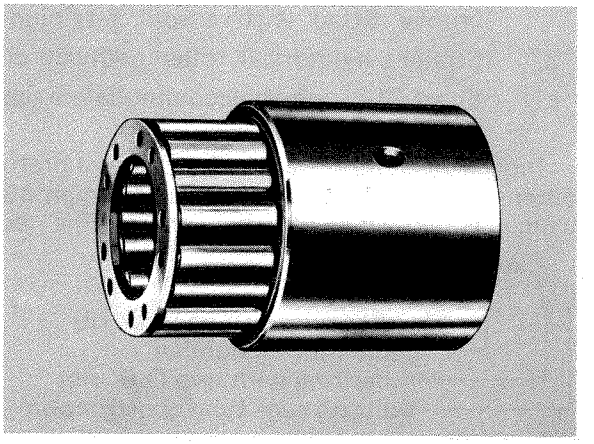
"Wound" Hy-Roll Bearings—
Table II, Page 32

The distinguishing feature of this type of bearing is the wound (sometimes called "helical" or "spiral") cylindrical roller. Wound roller assemblies are always made as separate units and used alone or with either an inner or outer ring or with both. Outer rings may be either the "solid" or thick wall cylinder type or thin wall "split" type. Inner rings are always relatively thick wall cylinders, plain or notched at one end.



"90000 Series" Solid Hy-Roll Bearings—
Table III, Page 42

Bearings in this group are made up with trunnioned-end solid cylindrical rollers assembled in cages composed of spacing bars riveted to end rings. The roller assemblies thus formed may be used alone or with outer rings in the same manner as the wound roller types. In fact, a considerable number of these assemblies are interchangeable with wound roller equivalents, as shown in Table IX.



NDH METRIC HY-ROLL SOLID

NDH Metric Hy-Roll bearings are classified according to construction and identified by letters with the following meanings:

"B" Assemblies containing a cage which may be bronze, or may be built up from steel formed bars and end rings.

"M" Assemblies having a full complement of rollers, hence no separator or cage.

"S" Assemblies containing a stamped steel separator.

"HC" Assemblies having modified internal design to provide higher load capacity.

Inner rings are identified by letters with the following meanings:

"A" Straight cylindrical roller pathway on O.D.

"J" Side plate used in conjunction with "RN" type ring.

"R" Ring with one O.D. rib.

"U" Ring with two O.D. ribs.

"RN" Short "R" ring to accommodate a separate "J" side plate.

Outer rings are identified by letters with the following meanings:

"F" Blind dowel hole.

"G" Snap ring groove in O.D. (4 in place of "G" indicates O.D. snap ring included).

"J" Side plate used in conjunction with "LN" type ring.

"K" Ring having larger than standard O.D. and clearance for heavier press fit.

"L" Ring with one I.D. rib.

"T" Ring with two internal grooves fitted with split retaining rings.

"W" Ring with two I.D. ribs.

"Y" Ring with one I.D. rib and one internal groove fitted with a split retaining ring.

"Z" Straight cylindrical roller pathway on I.D.

"LN" Short "L" ring to accommodate a separate "J" side plate.

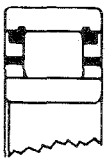
Inner ring symbols are only used as a prefix and outer ring symbols as a suffix to a four digit number which is explained further on in this section.

Examples:

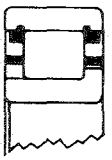
BU 1310 L
- L — Outer ring with one I.D. rib
- 1310 — Basic bearing number
- BU — Inner ring with two O.D. ribs
- Built up cage type construction

A 1310 TS
- TS — Construction with pressed steel separator
- TS — Outer ring with two internal grooves & split retaining rings
- 1310 — Basic bearing number
- A — Straight cylindrical inner ring

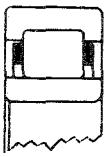
SEPARABLE INNER RING TYPE



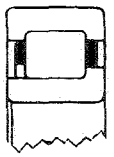
A-TS Single row, straight inner ring, rollers retained by separator and retainment rings recessed in outer ring, inner ring separable.



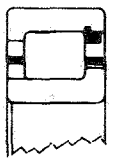
R-TS Single row, single rib inner ring, rollers retained by separator and retainment rings recessed in outer ring, inner ring separable.



A-WB Single row, straight inner ring, built up cage, double ribbed outer ring, inner ring separable.

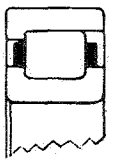


R-WB Single row, double ribbed outer ring, built up cage, single rib inner ring, inner ring separable.

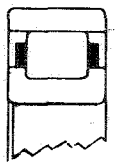


R-YS Single row, single ribbed inner and outer rings, rollers retained by separator, flange and single retainment ring recessed in outer ring, inner ring separable.

SEPARABLE OUTER RING TYPE

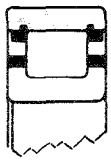


BU-L Single row, double ribbed inner ring, single rib outer ring, built up cage, outer ring separable.



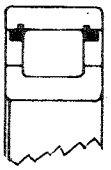
BU-Z Single row, double ribbed inner ring, straight outer ring, built up cage, outer ring separable.

NON-SEPARABLE TYPES

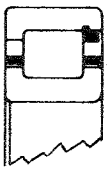


U-TS Single row, double ribbed inner ring, rollers retained by separator and retainment rings recessed in outer ring, non-separable.

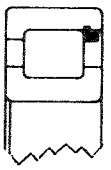
ROLLER RADIAL BEARINGS



U-TM Single row, double ribbed inner ring, rollers retained by retainment rings recessed in outer ring, non-separable, full complement of rollers.



U-YS Single row, double ribbed inner ring, single rib outer ring, rollers retained by separator, rib and single retainment ring recessed in outer ring, non-separable.



U-YM Single row, double ribbed inner ring, single rib outer ring, rollers retained by rib and single retainment ring recessed in outer ring, non-separable, full complement of rollers.

Basic bearing sizes are indicated by the bearing number. The number contains four digits,* the first two of which designate the bearing series and the last two the bore diameter. The first digit indicates the relative width of the bearing, "1" denoting narrow, "5" wide, "6" duplex (a double wide assembly**), and "7" intermediate width. The second digit indicates the bearing annulus (i.e., its cross section) with "9" denoting the smallest and increasing through "0", "2", and "3", which has the largest O.D. for a given bore. The last two digits signify the bore size in the following manner:

Digits	Diameter
00	10 millimeters
01	12 millimeters
02	15 millimeters
03	17 millimeters

*Special numbering of "LOADSTAR" line adds a fifth digit - a prefix "6".

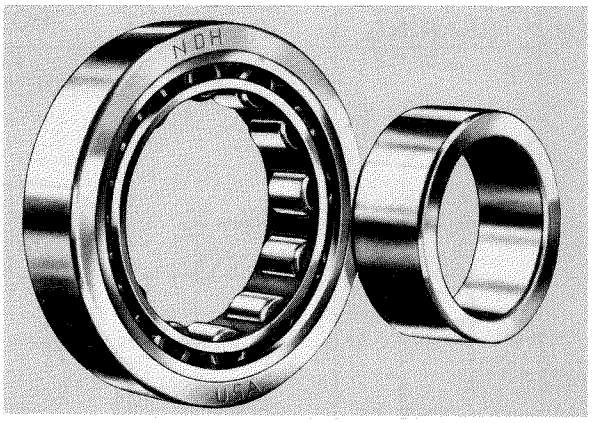
**having two rows of rollers

Beyond this, the bore diameter in millimeters is determined by multiplying the last two digits times five, as 04 x 5 = 20 mm, etc.

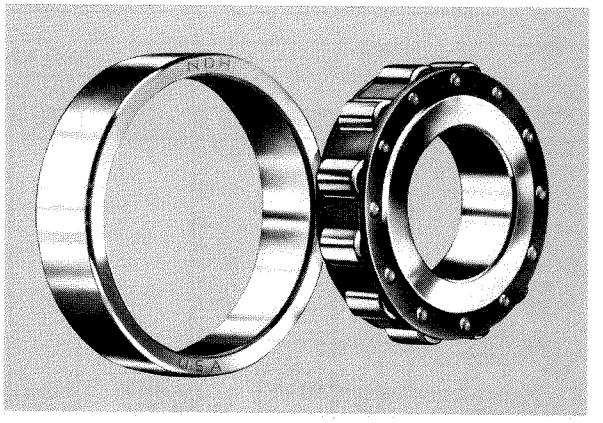
Additional symbols appearing in the prefix or suffix indicate a special bearing not conforming to standard form or dimension.

If you have a bearing to identify, and the inner or outer ring piece numbers can be read, determine whether the inner ring is separable, or the outer ring is separable, or if the bearing is non-separable. Then by referring to the illustration to the left and observing the rib, retaining ring, and separator arrangement you can select the proper symbols to complete the bearing piece number.

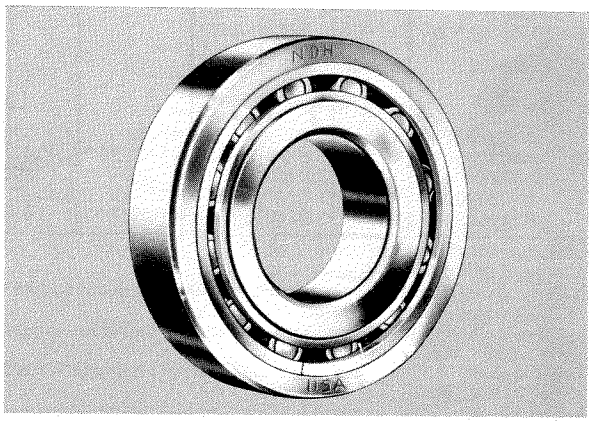
If the piece numbers on the inner or outer rings are mutilated or unreadable it will be necessary to measure the bearing and look up the dimensions in the appropriate columns in Table I to establish the piece numbers of the component parts. Then by referring to the parts and the illustration to the left you can complete the bearing piece number.



Separable inner ring type of bearing



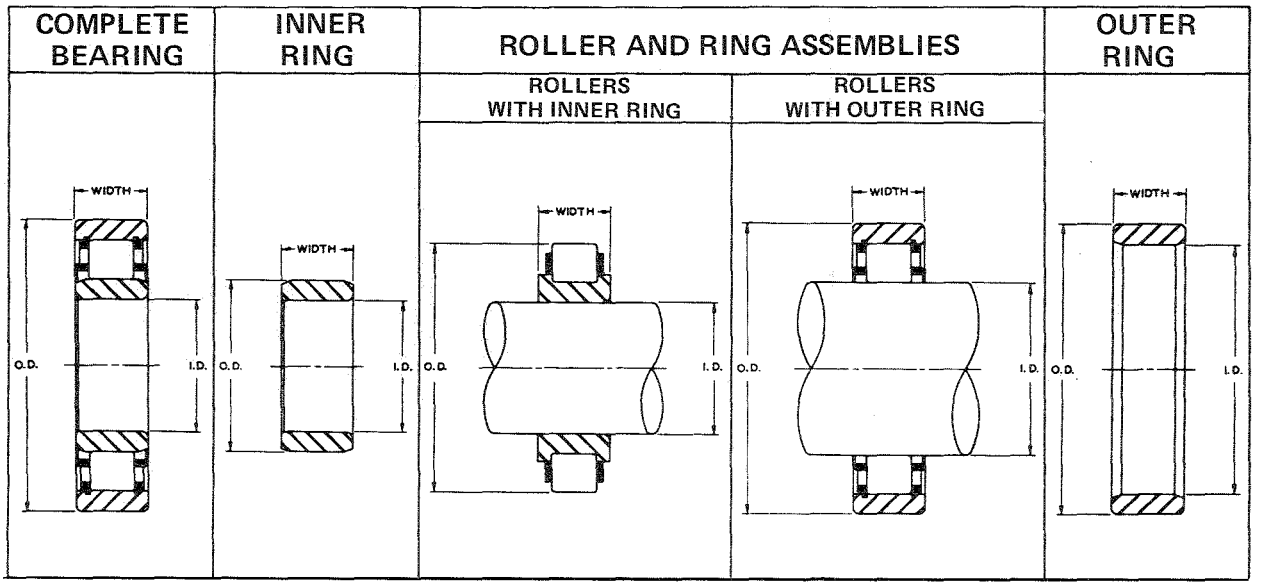
Separable outer ring type of bearing



Non-Separable type of bearing

New Departure Hyatt
ROLLER BEARING DIMENSIONAL DATA

TABLE I
NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS
PART NUMBERS AND DIMENSIONS



ITEM	COMPLETE BEARING				INNER RING (Dimensions for Separable Rings)				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING (Dimensions for Separable Rings)				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
	BU1008Z	1.5748	2.6772	.5906					BU1008**	1008Z	2.3765	2.6772	.5906	1620
	BU1009L	1.7717	2.9528	.6299					BU1009**	1009L	2.6435	2.9528	.6299	1660
	U1011YS	2.1654	3.5433	.7087					Non-separable					2250
	BU1011L	2.1654	3.5433	.7087					BU1011**	1011L	3.1705	3.5433	.7087	2350
1	BU1011L-18	2.1654	3.5433	.7087					Non-separable					2350
	BU1011Z	2.1654	3.5433	.7087					BU1011**	1011Z	3.1705	3.5433	.7087	2350
2	BU1011LK	2.1654	3.5449	.7087					BU1011**	1011LK	3.1718	3.5449	.7087	2350
	BU1012L	2.3622	3.7402	.7087					BU1012**	1012L	3.3675	3.7402	.7087	2700
	1012L-15									1012L-15 ∓	3.3691	3.7462	1.2205	
3	A1013WKB	2.5591	3.9388	.7087	A1013	2.5591	2.9332	.7087	1013WKB*					2760
4	R1013WKB	2.5591	3.9388	.7087	R1013	2.5591	2.9332	.7087	1013WKB*					2760
	BU1013L	2.5591	3.9370	.7087					BU1013**	1013L	3.5646	3.9370	.7087	2500
5	BU1013L-15	2.5591	3.9388	.7087					BU1013**	1013L-15	3.5661	3.9388	.7087	2500
6	BU1013L-16	2.5591	3.9388	.7087					BU1013**	1013L-16	3.5661	3.9388	.7087	2500
7	BU1013LNJA	2.5591	3.9370	.7087					BU1013**	1013LN	3.5646	3.9370	.5320	2500
	BU1013Z	2.5591	3.9370	.7087					BU1013**	1013Z	3.5646	3.9370	.7087	2500
	BU1016Z	3.1496	4.9213	.8661					BU1016**	1016Z	4.4523	4.9213	.8661	3900
8	BU1016LNJA	3.1496	4.9213	.8661					BU1016**	1016LN	4.4523	4.9213	.6660	3900
9	BU1017LN	3.3465	5.1181	.8661					BU1017**	1017LN	4.6525	5.1181	.6660	4000
	BU1020	3.9370	5.3636	.9449					BU1020**					4700
	A1022WB	4.3307	6.6929	1.1024	A1022	4.3307	5.0092	1.1024	1022WB*					6600
10	A1022WB-15	4.3307	6.6929	1.1024	A1022-15	4.3307	5.0082	1.1024	1022WB*					6600
	A1026WB-V	5.1181	7.8740	1.2992	A1026-V	5.1181	5.8100	1.2992	1026WB-V*					11000
	R1026WB-V	5.1181	7.8740	1.2992	R1026-V	5.1181	5.8100	1.2992	1026WB-V*					11000
11	R1026WB-17	5.1181	7.8740	1.2992	R1026V-17	5.1181	5.8077	1.2992	1026WB-V					11000

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

1—Same as BU1011L except internal clearance reduced to .0006-.0010—matched bearing.
2—Same as BU1011L except O.D. and internal clearance increased to .0036 - .0050.
3—Same as A1013WB except O.D. and internal clearance increased to .0039 - .0056.
4—Same as R1013WB except O.D. and internal clearance increased to .0039 - .0056.
5—Same as BU1013L except O.D. internal clearance increased to .0039 - .0056 and 9/32 blind hole in O.D.
6—Same as BU1013L except O.D. and internal clearance increased to .0039 - .0056.
7—Same as BU1013L except outer ring .1767 shorter and side plate 1013JA added.
8—Same as BU1016L except outer ring .2001 shorter and side plate 1016JA added.
9—Same as BU1017L except outer ring width.
10—Same as A1022WB except I.R. pathway .0010 smaller and internal clearance .0048 - .0073.
11—Same as R1026WB-V except internal clearance .0067 - .0084.

∓ - I.D. rib 3.242 diameter.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
12	BU1026LA-V	5.1181	7.8740	1.2992					BU1026-V**	1026LA-V	7.1902	7.8740	1.2992	11000
13	BU1030LA-V	5.9055	8.8583	1.3780					BU1030-V**	1030LA-V	8.1289	8.8583	1.3780	13200
14	BU1030ZF-V	5.9055	8.8583	1.3780					BU1030-V**	1030ZF-V	8.1281	8.8583	1.3780	13200
	BU1034L	6.6929	10.2362	1.6535					BU1034**	1034L	9.2605	10.2362	1.6535	13200
15	BU1036Z-15	7.0866	11.0274	1.8110					BU1036-V**	1036Z-15	10.0274	11.0274	2.0600	21000
16	BU1036LN-V	7.0866	11.0236	1.1811					BU1036-V	1036LN-V	10.0217	11.0236	1.5340	21000
17	BU1036LNJ-V	7.0866	11.0236	1.8110					BU1036-V**	1036LN-V	10.0217	11.0236	1.5340	21000
	A1038WB	7.4803	11.4173	1.8110	A1038	7.4803	8.5748	1.8110	1038WB*					17000
18	A1038WB-CA	7.4803	11.4173	1.8110	A1038	7.4803	8.5748	1.8110	1038WB-CA*					17000
	1202WB	.7901	1.3780	.4331					1202WB*					550
19	1203TS-17	.8729	1.5748	.4724					1203TS-17*					850
	A1203TS	.6693	1.5748	.4724	A1203	.6693	.8718	.4724	1203TS*					850
20	A1203TS-19	.6690	1.5748	.4724	A1203-19	.6690	.8702	.6875	1203TS-17*					850
	R1203TS	.6693	1.5748	.4724	R1203	.6693	.8718	.4724	1203TS*					850
	U1203TM	.6693	1.5748	.4724					Non-separable					1060
	U1203TS	.6693	1.5748	.4724					Non-separable					850
21	1204TS-20	1.1096	1.8504	.5512					1204TS-20*					990
	A1204TS	.7874	1.8504	.5512	A1204	.7874	1.1084	.5512	1204TS*					990
	R1204TS	.7874	1.8504	.5512	R1204	.7874	1.1084	.5512	1204TS*					990
	U1204TM	.7874	1.8504	.5512					Non-separable					1240
	U1204TS	.7874	1.8504	.5512					Non-separable					990
	BU1204	.7874	1.6066	.5512					BU1204**					990
	A1205TS	.9843	2.0472	.5906	A1205	.9843	1.2664	.5906	1205TS*					1240
	A1205WB	.9843	2.0472	.5906	A1205	.9843	1.2664	.5906	1205WB*					1240
	R1205TS	.9843	2.0472	.5906	R1205	.9843	1.2664	.5906	1205TS*					1240
	R1205WB	.9843	2.0472	.5906	R1205	.9843	1.2664	.5906	1205WB*					1240
	R1205YS	.9843	2.0472	.5906	R1205	.9843	1.2664	.5906	1205YS*					1240
	U1205TM	.9843	2.0472	.5906					Non-separable					1580
	U1205TS	.9843	2.0472	.5906					Non-separable					1240
	U1205YM	.9843	2.0472	.5906					Non-separable					1580
22	U1205TBM	.9843	2.0472	.5906					Non-separable					1580
23	U1205TM-15	.9843	2.0455	.5906					Non-separable					1580
24	U1205TS-18	.9837	2.0472	.5906					Non-separable					1240
	BU1205Z	.9843	2.0472	.5906					BU1205**	1205Z	1.7659	2.0472	5906	1240
25	1206TS-20	1.4999	2.4409	.6250					1206TS-20*					1600
	A1206TS	1.1811	2.4409	.6299	A1206	1.1811	1.4985	.6299	1206TS *					1600
	A1206WB	1.1811	2.4409	.6299	A1206	1.1811	1.4985	.6299	1206WB*					1700
26	C1206	1.4999	2.4415	.6299					C1206*					1760
	R1206TS	1.1811	2.4409	.6299	R1206	1.1811	1.4985	.6299	1206TS*					1600
	R1206WB	1.1811	2.4409	.6299	R1206	1.1811	1.4985	.6299	1206WB*					1700
	R1206WB-HC	1.1811	2.4409	.6299	R1206-HC	1.1811	1.4985	.6299	1206WB-HC*					1860
	R1206YS	1.1811	2.4409	.6299	R1206	1.1811	1.4985	.6299	1206YS*					1600
27	R1206Y4S-HC	1.1811	2.4409	.6299	R1206-HC	1.1811	1.4985	.6299	1206WB-HC*					1600
	U1206TM	1.1811	2.4409	.6299					Non-separable					1960
	U1206TS	1.1811	2.4409	.6299					Non-separable					1600
	U1206YM	1.1811	2.4409	.6299					Non-separable					1960
	U1206YS	1.1811	2.4409	.6299					Non-separable					1600
28	U1206YM-15	1.1811	2.4409	.6299					Non-separable					1960

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

12—Same as BU1026L-V except internal clearance .0068 - .0085 and 7/16 blind hole in O.D.
13—Same as BU1030L-V except internal clearance .0061 - .0079 and 7/16 blind hole in O.D.
14—Same as BU1030Z-V except std. 7/16 blind hole in O.D.
15—Same as BU1036Z-V except O.D., outer ring width, internal clearance .0114 - .0133 and 7/16 blind hole in O.D.
16—Same as BU1036L-V except outer ring width.
17—Same as BU1036L-V except outer ring width and side plate 1036J-V added.
18—Same as A1038WB except internal clearance .0079 - .0102
19—Same as 1203TS except separator nicarbed.
20—Same as A1203TS except inner ring width, internal clearance .0027 - .0035, and separator nicarbed.
21—Same as 1204TS except roller diameter variation per assembly, outer ring runout, and wall variation reduced.
22—Same as U1205TM except outer ring width.
23—Same as U1205TM except outer ring width and O.D.
24—Same as U1205TS except outer ring width extended to one side of bearing, I.D. and internal clearance .0017 - .0026
25—Same as 1206TS except outer ring width.
26—Same as 1206TS except longer rollers.
27—With O.D. snap ring.
28—Same as U1206YM except internal clearance .0012 - .0021.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING (Dimensions for Separable Rings)				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING (Dimensions for Separable Rings)				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
29	U1206TM-18	1.0930	2.4409	.7087					Non-separable					1960
30	AB1206TS	1.1256	2.4409	.6299	AB1206	1.1256	1.4985	2.6250	1206TS*					1600
	BU1206Z	1.1811	2.4409	.6299					BU1206**	1206Z	2.1289	2.4409	.6299	1700
31	TA1206TS	1.1875	2.4409	.6299	30452	1.1875	1.4985	1.2500	1206TS*					1600
32	UB1206YAM	1.1811	2.4409	.7500					Non-separable					1960
33	1207TAS	1.7327	2.8346	1.0625					1207TAS*					2100
34	A1207TGS	1.3780	2.8346	.6693	A1207	1.3780	1.7311	.6693	1207TGS*					2100
	A1207TS	1.3780	2.8346	.6693	A1207	1.3780	1.7311	.6693	1207TS*					2100
	A1207WB	1.3780	2.8346	.6693	A1207	1.3780	1.7311	.6693	1207WB*					2100
35	A1207WKB	1.3780	2.8359	.6693	A1207	1.3780	1.7311	.6693	1207WKB					2100
36	A1207TS-16	1.3780	2.7953	.6693	A1207	1.3780	1.7311	.6693	1207TS-16*					2100
	R1207TS	1.3780	2.8346	.6693	R1207	1.3780	1.7311	.6693	1207TS*					2100
	R1207WB	1.3780	2.8346	.6693	R1207	1.3780	1.7311	.6693	1207WB*					2100
	R1207YS	1.3780	2.8346	.6693	R1207	1.3780	1.7311	.6693	1207YS*					2100
37	R1207WKB	1.3780	2.8359	.6693	R1207	1.3780	1.7311	.6693	1207WKB*					2100
	U1207TM	1.3780	2.8346	.6693					Non-separable					2400
38	U1207TM-15	1.3780	2.8346	.6693					Non-separable					2400
	U1207TS	1.3780	2.8346	.6693					Non-separable					2100
39	U1207TS26	1.3780	2.8346	.6693					Non-separable					2100
	BU1207L	1.3780	2.8346	.6693					BU1207**	1207L	2.4595	2.8346	.6693	2100
40	BU1207LK	1.3780	2.8359	.6693					BU1207**	1207LK	2.4606	2.8359	.6693	2100
	BU1207Z	1.3780	2.8346	.6693					BU1207**	1207Z	2.4595	2.8346	.6693	2100
	SRA1207-25•								Separate R.A.					
41	TYA1207TS	1.3750	2.8346	.6693	30076	1.3750	1.7311	1.5000	1207TS*					2100
42	1208TKS	1.9685	3.1510	.7087					1208TKS*					2500
	A1208TS	1.5748	3.1496	.7087	A1208	1.5748	1.9657	.7087	1208TS*					2500
	A1208WB	1.5748	3.1496	.7087	A1208	1.5748	1.9657	.7087	1208WB*					2500
	R1208TS	1.5748	3.1496	.7087	R1208	1.5748	1.9657	.7087	1208TS*					2500
	R1208WB	1.5748	3.1496	.7087	R1208	1.5748	1.9657	.7087	1208WB*					2500
	R1208YS	1.5748	3.1496	.7087	R1208	1.5748	1.9657	.7087	1208YS*					2500
	U1208TM	1.5748	3.1496	.7087					Non-separable					2850
	U1208TS	1.5748	3.1496	.7087					Non-separable					2500
	U1208YM	1.5748	3.1496	.7087					Non-separable					2850
	BU1208L	1.5748	3.1496	.7087					BU1208**	1208L	2.7409	3.1496	.7087	2500
43	BU1208LK	1.5748	3.1510	.7087					BU1208**	1208LK	2.7421	3.1510	.7087	2500
	BU1208Z	1.5748	3.1496	.7087					BU1208**	1208Z	2.7409	3.1496	.7087	2500
44	BU1208ZKF	1.5748	3.1510	.7087					BU1208**	1208ZKF	2.7421	3.1510	.7087	2500
45	TXA1208TS	1.6250	3.1496	.7087	30468	1.6250	1.9657	1.5000	1208TS*					2500
46	1209TS-21	2.1877	3.3465	.7480					1209TS-21*					2450
	A1209TS	1.7717	3.3465	.7480	A1209	1.7717	2.1858	.7480	1209TS*					2450
47	A1209TGS	1.7717	3.3465	.7480	A1209	1.7717	2.1858	.7480	1209TGS*					2450
	A1209WB-HC	1.7717	3.3465	.7480	A1209	1.7717	2.1858	.7480	1209WB-HC					2750
	R1209TS	1.7717	3.3465	.7480	R1209	1.7717	2.1858	.7480	1209TS*					2450
	R1209YS	1.7717	3.3465	.7480	R1209	1.7717	2.1858	.7480	1209YS*					2450
	R1209WB-HC	1.7717	3.3465	.7480	R1209-HC	1.7717	2.1858	.7480	1209WB-HC*					2750
	U1209TM	1.7717	3.3465	.7480					Non-separable					3000
	U1209TS	1.7717	3.3465	.7480					Non-separable					2450
	U1209YM	1.7717	3.3465	.7480					Non-separable					3000
	BU1209Z	1.7717	3.3465	.7480					BU1209-HC**	1209Z	2.9523	3.3465	.7480	2750
48	BU1209ZA	1.7717	3.3465	.7480					BU1209-HC**	1209ZA	2.9532	3.3465	.7480	2750
49	1210TBS	2.3823	3.5433	1.0970					1210TBS*					2750
	A1210TS	1.9685	3.5433	.7874	A1210	1.9685	2.3803	.7874	1210TS*					2750

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

29—Same as U1206TM except I.D. and ring widths.
30—Same as A1206TS except inner ring bore, width and two $\frac{3}{8}$ radial holes thru inner ring.
31—Same as A1206TS except inner ring bore, width and two face notches.
32—Same as U1206YM except ring widths.
33—Same as 1207TS except outer ring width with two O.D. snap ring grooves.
34—Same as A1207TS except standard O.D. snap ring groove.
35—Same as A1207WB except O.D. and internal clearance .0027 - .0038.
36—Same as A1207TS except O.D.
37—Same as R1207WB except O.D. and internal clearance .0027 - .0038.
38—Same as U1207TM except inner ring corner radius .156.
39—Same as U1206TS except roller end clearance inspection.
40—Same as BU1207L except O.D. and internal clearance .0027 - .0038.
41—Same as A1207TS except I.D. and inner ring width, with two notches.
42—Same as 1208TS except O.D. and I.D.
43—Same as BU1208L except O.D. and internal clearance .0028 - .0039
44—Same as BU1208Z except O.D. internal clearance .0028 - .0039 and standard $\frac{9}{32}$ blind hole in O.D.
45—Same as A1208TS except I.D. and inner ring width, with two notches.
46—Same as 1209TS except roller diameter variation per assembly and outer ring wall variation reduced.
47—Same as A1209TS except standard O.D. snap ring groove.
48—Same as BU1209Z except internal clearance .0028 - .0042.
49—Same as 1210TS except width and two O.D. snap ring grooves.
• Roller assembly only in disposable sleeve.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs.
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	B-10
	A1210WB-HC	1.9685	3.5433	.7874	A1210	1.9685	2.3803	.7874	1210WB-HC*					2800
	R1210TS	1.9685	3.5433	.7874	R1210	1.9685	2.3803	.7874	1210TS*					2750
	R1210YS	1.9685	3.5433	.7874	R1210	1.9685	2.3803	.7874	1210YS*					2750
	R1210WB-HC	1.9685	3.5433	.7874	R1210-HC	1.9685	2.3803	.7874	1210WB-HC*					2800
50	U1210TGS	1.9685	3.5433	.7874					Non-Separable					2750
	U1210TM	1.9685	3.5433	.7874					Non-separable					3100
	U1210TS	1.9685	3.5433	.7874					Non-separable					2750
	U1210YS	1.9685	3.5433	.7874					Non-separable					2750
51	AE1210TS	2.0002	3.5433	.7874	AE1210	2.0002	2.3803	.7874	1210TS*					2750
52	BU1210L	1.9685	3.5433	.7874					BU1210**	1210L	3.1577	3.5433	.7874	2750
	BU1210L-HC	1.9685	3.5433	.7874					BU1210-HC**	1210L-HC	3.1317	3.5433	.7874	2800
53	BU1210LKF-HC	1.9685	3.5449	.7874					BU1210-HC**	1210LKF-HC	3.1330	3.5449	.7874	2800
54	TXA1210TS	1.9303	3.5433	.7874	30092	1.9303	2.3807	1.7500	1210TS*					2750
55	TXA1210TS-15	1.9370	3.5433	.7874	30106	1.9370	2.3807	1.7500	1210TS*					2750
56	1211WGB-HC	2.6361	3.9370	.8268					1211WGB-HC*					3350
	A1211TS	2.1654	3.9370	.8268	A1211	2.1654	2.6339	.8268	1211TS*					3200
57	A1211TGS	2.1654	3.9370	.8268	A1211	2.1654	2.6339	.8268	1211TGS*					3200
	A1211WB-HC	2.1654	3.9370	.8268	A1211	2.1654	2.6339	.8268	1211WB-HC*					3350
	R1211TS	2.1654	3.9370	.8268	R1211	2.1654	2.6339	.8268	1211TS*					3200
	R1211WB-HC	2.1654	3.9370	.8268	R1211-HC	2.1654	2.6339	.8268	1211WB-HC*					3350
	R1211YS	2.1654	3.9370	.8268	R1211	2.1654	2.6339	.8268	1211YS*					3200
58	R1211TS-KA	2.1654	3.9370	.8268					Non-separable					3200
	U1211TM	2.1654	3.9370	.8268					Non-separable					3750
	U1211TM-HC	2.1654	3.9370	.8268					Non-separable					3950
	U1211TS	2.1654	3.9370	.8268					Non-separable					3200
59	U1211T4RS	2.1654	3.9370	.8268					Non-separable					3750
60	U1211Y4RS	2.1654	3.9370	.8268					Non-separable					3200
	BU1211L	2.1654	3.9370	.8268					BU1211**	1211L	3.4653	3.9370	.8268	3200
	BU1211Z	2.1654	3.9370	.8268					BU1211**	1211Z	3.4653	3.9370	.8268	3200
61	BU1211ZA	2.1654	3.9370	.8268					BU1211**	1211ZA	3.4672	3.9370	.8268	3200
62	TYA1211TS	2.1875	3.9370	.8268	30467	2.1875	2.6339	1.3125	1211TS*					3200
	A1212TS	2.3622	4.3307	.8661	A1212	2.3622	2.8496	.8661	1212TS*					4250
63	A1212TAS	2.3622	4.3307	.8661	A1212	2.3622	2.8496	.8661	1212TAS*					4250
64	A1212TGS	2.3622	4.3307	.8661	A1212	2.3622	2.8496	.8661	1212TGS*					4250
	A1212WB	2.3622	4.3307	.8661	A1212	2.3622	2.8346	.8661	1212WB					4250
	R1212TS	2.3622	4.3307	.8661	R1212	2.3622	2.8496	.8661	1212TS*					4250
	R1212YS	2.3622	4.3307	.8661	R1212	2.3622	2.8496	.8661	1212YS*					4250
	R1212WB	2.3622	4.3307	.8661	R1212	2.3622	2.8496	.8661	1212WB*					4250
	U1212TM	2.3622	4.3307	.8661					Non-separable					4700
	U1212TS	2.3622	4.3307	.8661					Non-separable					4250
65	U1212T4S	2.3622	4.3307	.8661					Non-separable					4250
	U1212YM	2.3622	4.3307	.8661					Non-separable					4700
	U1212YS	2.3622	4.3307	.8661					Non-separable					4250
66	AC1212TAS	2.3622	4.3307	.8661	AC1212	2.3622	2.8496	2.1875	1212TAS*					4250
67	BU1212LK	2.3622	4.3329	.8661					BU1212**	1212LK	3.8506	4.3329	.8661	4250
68	BU1212LK-20	2.3622	4.3329	.8661					BU1212-20**	1212LK	3.8506	4.3329	.8661	4250
69	BU1212LKF	2.3622	4.3329	.8661					BU1212**	1212LKF	3.8506	4.3329	.8661	4250
70	BU1212LNKJ	2.3622	4.3329	.8661					BU1212**	1212LNK	3.8506	4.3329	.7010	4250
71	BU1212Z	2.3622	4.3307	.8661					BU1212**	1212Z	3.8489	4.3307	.8661	4250
	BU1212ZK	2.3622	4.3329	.8661					BU1212**	1212ZK	3.8506	4.3329	.8661	4250
72	1213TS-15	3.1685	4.7244	.9055					1213TS-15*					4750
	A1213TS	2.5591	4.7244	.9055	A1213	2.5591	3.1662	.9055	1213TS*					4750
73	A1213TS-19	2.5582	4.7244	.9055	A1213-19	2.5582	3.1655	.9055	1213TS*					4750

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

50—Same as U1210TS except standard O.D. snap ring groove.
51—Same as A1210TS except I.D.
52—Obsolete—superseded by BU1210L-HC.
53—Same as BU1210L-HC- except O.D., internal clearance .0033 - .0047 and std. $^{9}/_{32}$ blind hole in O.D.
54—Same as A1210TS except inner ring width, I.D., two I.R. face notches, and internal clearance .0016 - .0030.
55—Same as TXA1210TS except I.D.
56—Same as 1211WB-HC except standard O.D. snap ring groove.
57—Same as A1211TGS except standard O.D. snap ring groove.
58—Same as R1211TS except internal clearance .0014 - .0020 —matched bearing.
59—Same as U1211TS except with O.D. snap ring, reversed location.
60—Same as U1211YS except with O.D. snap ring, reversed location.
61—Same as BU1211Z except internal clearance .0041 - .0055 and $^{3}/_{8}$ blind hole in O.D.
62—Same as A1211TS except I.D., inner ring width, I.R. has two face notches.
63—Same as A1212TS except internal clearance .0041 - .0057 and $^{9}/_{32}$ blind hole in O.D.
64—Same as A1212TS except standard O.D. snap ring groove.
65—Same as U1212TS except with O.D. snap ring.
66—Same as A1212TS except inner ring width, internal clearance .0041 - .0057 and $^{9}/_{32}$ blind hole in O.D.
67—Same as BU1212L except O.D. and internal clearance .0040 - .0056.
68—Same as BU1212LK except special roller crown.
69—Same as BU1212L except O.D., internal clearance .0040 - .0056 and standard $^{5}/_{16}$ blind hole in O.D.
70—Same as BU1212L except outer ring width, O.D., internal clearance .0040 - .0056, and side plate 1212J.
71—Same as BU1212Z except O.D. and internal clearance .0040 - .0056.
72—Same as 1213TS except two $^{1}/_{8}$ oil holes in O.D.
73—Same as A1213TS except I.D., and internal clearance .0030 - .0047.

New Departure Hyatt
ROLLER BEARING DIMENSIONAL DATA

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING (Dimensions for Separable Rings)				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING (Dimensions for Separable Rings)				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
	A1213WB	2.5591	4.7244	.9055	A1213	2.5591	3.1662	.9055	1212WB*					4750
	R1213TS	2.5591	4.7244	.9055	R1213	2.5591	3.1662	.9055	1213TS*					4750
	R1213WB	2.5591	4.7244	.9055	R1213	2.5591	3.1662	.9055	1213WB*					4750
	R1213YS	2.5591	4.7244	.9055	R1213	2.5591	3.1622	.9055	1213YS*					4750
	U1213TM	2.5591	4.7244	.9055					Non-separable					5300
	U1213TS	2.5591	4.7244	.9055					Non-separable					4750
	U1213YM	2.5591	4.7244	.9055					Non-separable					5300
	BU1213L	2.5591	4.7244	.9055					BU1213**	1213L	4.1655	4.7244	.9055	4750
	A1214TS	2.7559	4.9213	.9449	A1214	2.7559	3.3375	.9449	1214TS*					5300
74	A1214TAS	2.7559	4.9213	1.0236	A1214	2.7559	3.3375	.9449	1214TAS*					5300
	U1214TM	2.7559	4.9213	.9449					Non-separable					6000
	U1214TS	2.7559	4.9213	.9449					Non-separable					5300
75	U1214TFS	2.7559	4.9213	.9449					Non-separable					5300
76	AB1214TAS	2.8125	4.9213	1.0236	AB1214	2.8125	3.3375	1.3125	1214TAS*					5300
	BU1214L	2.7559	4.9213	.9449					BU1214**	1214L	4.3912	4.9213	.9449	5300
77	BU1214LK	2.7559	4.9236	.9449					BU1214**	1214LK	4.3930	4.9236	.9449	5300
	BU1214Z	2.7559	4.9213	.9449					BU1214**	1214Z	4.3912	4.9213	.9449	5300
	A1215TS	2.9528	5.1181	.9843	A1215	2.9528	3.5045	.9843	1215TS*					5300
78	A1215TFS	2.9528	5.1181	.9843	A1215	2.9528	3.5045	.9843	1215TFS*					5300
	U1215TM	2.9528	5.1181	.9843					Non-separable					6200
	U1215TS	2.9528	5.1181	.9843					Non-separable					5300
	BU1215L	2.9528	5.1181	.9843					BU1215**	1215L	4.5583	5.1181	.9843	5300
79	BU1215LK	2.9528	5.1204	.9843					BU1215**	1215LK	4.5601	5.1204	.9843	5300
	A1216TS	3.1496	5.5118	1.0236	A1216	3.1496	3.7514	1.0236	1216TS*					5900
80	A1216TS-17	3.1496	5.5118	1.0236	A1216	3.1496	3.7514	1.0236	1216TS-17*					5900
	A1216WB	3.1496	5.5118	1.0236	A1216	3.1496	3.7514	1.0236	1216WB*					5900
	R1216TS	3.1496	5.5118	1.0236	R1216	3.1496	3.7514	1.0236	1216TS*					5900
	R1216YS	3.1496	5.5118	1.0236	R1216	3.1496	3.7514	1.0236	1216YS*					5900
	R1216WB	3.1496	5.5118	1.0236	R1216	3.1496	3.7514	1.0236	1216WB*					5900
81	R1216WKB-20	3.1496	5.5141	1.0236	R1216	3.1496	3.7514	1.0236	1216WKB-20*					5900
	U1216TM	3.1496	5.5118	1.0236					Non-separable					6800
	U1216TS	3.1496	5.5118	1.0236					Non-separable					5900
	U1216YM	3.1496	5.5118	1.0236					Non-separable					6800
	BU1216L	3.1496	5.5118	1.0236					BU1216**	1216L	4.9078	5.5118	1.0236	5900
82	BU1216L-15	3.1496	5.9080	1.0236					BU1216**	1216L-15	4.9098	5.9080	1.0236	5900
83	1217TES	4.0193	5.9055	1.2598					1217TES*					6900
	A1217TS	3.3465	5.9055	1.1024	A1217	3.3465	4.0160	1.1024	1217TS*					6900
84	A1217TFS	3.3465	5.9055	1.1024	A1217	3.3465	4.0160	1.1024	1217TFS*					6900
	U1217TM	3.3465	5.9055	1.1024					Non-separable					7800
	U1217TS	3.3465	5.9055	1.1024					Non-separable					6900
85	U1217TAM	3.3465	5.9055	1.1024					Non-separable					7800
	BU1217L	3.3465	5.9055	1.1024					BU1217**	1217L	5.2841	5.9055	1.1024	6900
	BU1217Z	3.3465	5.9055	1.1024					BU1217**	1217Z	5.2841	5.9055	1.1024	6900
	1218WB	4.2246	6.2992	1.1811					1218WB**					8400
	A1218TS	3.5433	6.2992	1.1811	A1218	3.5433	4.2212	1.1811	1218TS*					8000
86	A1218WGB-17	3.5433	6.2992	1.1811	A1218	3.5433	4.2212	1.1811	1218WGB-17*					8400
	R1218TS	3.5433	6.2992	1.1811	R1218	3.5433	4.2212	1.1811	1218TS*					8000
87	R1218WGB-17	3.5433	6.2992	1.1811	R1218	3.5433	4.2212	1.1811	1218WGB-17*					8400
	U1218TM	3.5433	6.2992	1.1811					Non-separable					9400
	U1218TS	3.5433	6.2992	1.1811					Non-separable					8000
88	U1218TAM	3.5433	6.2992	1.1811					Non-separable					9400

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

74—Same as A1214TS except outer ring width, and O.D. groove in center of outer ring.
75—Same as U1214TS except 5/16 blind hole in O.D.
76—Same as A1214TS except I.D., inner ring width, outer ring width, and O.D. groove in center of outer ring.
77—Same as BU1214L except O.D. and internal clearance .0045 - .0062.
78—Same as A1215TS except standard 5/16 blind hole in O.D.
79—Same as BU1215L except O.D., and internal clearance .0046 - .0063.
80—Same as A1216TS except 9/32 blind hole in O.D.
81—Same as R1216WB except O.D. internal clearance .0046 - .0065 and special O.D. corner notch.
82—Same as BU1216L except O.D. and internal clearance .0048 - .0067.
83—Same as 1217TS except outer ring width and O.D. groove in center of outer ring.
84—Same as A1217TS except standard 3/8 blind hole in O.D.
85—Same as U1217TM except outer ring width.
86—Same as A1218WB except O.D. snap ring groove and internal clearance .0048 - .0064.
87—Same as R1218WB except O.D. snap ring groove and internal clearance .0048 - .0064.
88—Same as U1218TM except outer ring width.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING (Dimensions for Separable Rings)				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING (Dimensions for Separable Rings)				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
89	U1218TAFM	3.5433	6.2992	1.1811					Non-separable					9400
	BU1218Z	3.5433	6.2992	1.1811					BU1218**	1218Z	5.5980	6.2992	1.1811	8400
	A1219TS	3.7402	6.6929	1.2598	A1219	3.7402	4.4692	1.2598	1219TS*					9400
90	A1219TFS	3.7402	6.6929	1.2598	A1219	3.7402	4.4692	1.2598	1219TFS*					9400
91	A1219TKFS	3.7402	6.6957	1.2598	A1219	3.7402	4.4692	1.2598	1219TKFS*					9400
	R1219TS	3.7402	6.6929	1.2598	R1219	3.7402	4.4692	1.2598	1219TS*					9400
	U1219TS	3.7402	6.6929	1.2598					Non-separable					9400
92	1220TS-16	4.7675	7.0866	1.3386					1220TS-16*					10800
	A1220TS	3.9370	7.0866	1.3386	A1220	3.9370	4.7640	1.3386	1220TS*					10800
93	A1220YAS	3.9370	7.0886	1.3386	A1220	3.9370	4.7640	1.3386	1220YAS*					10800
	R1220TS	3.9370	7.0866	1.3386	R1220	3.9370	4.7640	1.3386	1220TS*					10800
	R1220YS	3.9370	7.0866	1.3386	R1220	3.9370	4.7640	1.3386	1220YS*					10800
94	R1220YAS	3.9370	7.0866	1.3386	R1220	3.9370	4.7640	1.3386	1220YAS*					10800
95	R1220YS-CA	3.9370	7.0866	1.3386	R1220	3.9370	4.7640	1.3386	1220YS-CA*					10800
96	R1220YKS	3.9370	7.0894	1.3386	R1220	3.9370	4.7640	1.3386	1220YKS*					10800
97	R1220YAS-15	3.9370	7.0866	1.3386	R1220-15	3.9370	4.7640	1.3386	1220YAS*					10800
	U1220TS	3.9370	7.0866	1.3386					Non-separable					10800
	BU1220L	3.9370	7.0866	1.3386					BU1220**	1220L	6.3471	7.0866	1.3386	10800
	BU1220Z	3.9370	7.0866	1.3386					BU1220**	1220Z	6.3471	7.0866	1.3386	10800
98	BU1220ZA	3.9370	7.0866	1.3386					BU1220**	1220ZA	6.3491	7.0866	1.3386	10800
99	1221TS-15	4.9847	7.4803	1.4173					1221TS-15 *					11200
	A1221TS	4.1339	7.4803	1.4173	A1221	4.1339	4.9811	1.4173	1221TS*					11200
	U1221TM	4.1339	7.4803	1.4173					Non-separable					12200
	U1221TS	4.1339	7.4803	1.4173					Non-separable					11200
	U1221YM	4.1339	7.4803	1.4173					Non-separable					12200
	U1221YS	4.1339	7.4803	1.4173					Non-separable					11200
	BU1221L	4.1339	7.4803	1.4173					BU1221**	1221L	6.6363	7.4803	1.4173	11200
	BU1221Z	4.1339	7.4803	1.4173					BU1221**	1221Z	6.6363	7.4803	1.4173	11200
	A1222TS	4.3307	7.8740	1.4961	A1222	4.3307	5.2343	1.4961	1222TS*					11600
100	A1222TFS	4.3307	7.8740	1.4961	A1222	4.3307	5.2343	1.4961	1222TFS*					11600
101	R1222WKFB	4.3307	7.8771	1.4961	R1222	4.3307	5.2343	1.4961	1222WKFB*					12200
	R1222TS	4.3307	7.8740	1.4961	R1222	4.3307	5.2343	1.4961	1222TS*					11600
102	R1222WKB	4.3307	7.8771	1.4961	R1222	4.3307	5.2343	1.4961	1222WKB*					12200
103	R1222WKB-15	3.9370	7.8771	1.4961	R1222-15	3.9370	5.2343	1.4961	1222WKB*					12200
	U1222TM	4.3307	7.8740	1.4961					Non-separable					13400
	U1222TS	4.3307	7.8740	1.4961					Non-separable					11600
	BU1222Z	4.3307	7.8740	1.4961					BU1222**	1222Z	6.9367	7.8740	1.4961	12200
104	BU1222Z-18	4.3307	7.8740	1.4961					BU1222-18**	1222Z-18	6.9351	7.8740	1.4961	12200
105	1224TS-16	5.7144	8.4646	1.5748					1224TS-16*					13800
	A1224TS	4.7244	8.4646	1.5748	A1224	4.7244	5.7141	1.5748	1224TS*					13800
106	A1224TS-15	5.0000	8.4646	1.5748	A1224-15	5.000	5.7141	1.7500	1224TS*					13800
	U1224TM	4.7244	8.4646	1.5748					Non-separable					15600
	U1224TS	4.7244	8.4646	1.5748					Non-separable					13800
	R1224TS	4.7244	8.4646	1.5748	R1224	4.7244	5.7141	1.5748	1224TS*					13800
107	R1224WB-17	4.7244	8.4646	1.5748	R1224	4.7244	5.7141	1.5748	1224WB-17*					13800
108	R1224WFB-20	4.7244	8.4646	1.5748	R1224	4.7244	5.7141	1.5748	1224WFB-20					13800
	1226YS	6.1056	9.0551	1.5748					1226YS*					14800
	A1226TS	5.1181	9.0551	1.5748	A1226	5.1181	6.1013	1.5748	1226TS*					14800
109	BU1226L-15	5.1181	9.0551	1.5748					BU1226**	1226L-15	8.1250	9.0551	1.5598	15600

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

89—Same as U1218TM except internal clearance .0034 - .0050 and 7/16 blind hole in O.D.
90—Same as A1219TS except standard 7/16 blind hole in O.D.
91—Same as A1219TS except O.D., internal clearance .0056 - .0076, and standard 7/16 blind hole in O.D.
92—Same as 1220TS except roller diameter variation per assembly and outer ring wall variation reduced.
93—Same as A1220YS except internal clearance .0047 - .0063 and 7/16 blind hole in O.D.
94—Same as R1220YS except internal clearance .0047 - .0063 and 7/16 blind hole in O.D.
95—Same as R1220YS except internal clearance .0053 - .0069 and marking "gear side" on non-rib side of O.R.
96—Same as R1220YS except O.D. and internal clearance .0056 - .0076.
97—Same as R1220YS except inner ring O.D. chamfer, internal clearance .0047 - .0063 and 7/16 blind hole in O.D.
98—Same as BU1220Z except internal clearance .0055 - .0071
99—Same as 1221TS except roller diameter variation per assembly and outer ring wall variation reduced.
100—Same as A1222TS except standard 7/16 blind hole in O.D.
101—Same as R1222WB except O.D. and internal clearance .0060 - .0085 and 7/16 blind hole in O.D.
102—Same as R1222WB except O.D., and internal clearance .0060 - .0085.
103—Same as R1222WB except I.D., O.D., and internal clearance .0060 - .0085.
104—Same as BU1222Z except internal clearance .0020 - .0045. and special roller length tolerance.
105—Same as 1224TS except roller diameter variation per assembly and outer ring wall variation reduced.
106—Same as A1224TS except inner ring width and I.D.
107—Same as R1224WB except internal clearance .0057 - .0074.
108—Same as R1224WB except internal clearance .0057 - .0074 and 7/16 blind hole in O.R.
109—Same as BU1226L except outer ring width.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS - Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
	A1228TS	5.5118	9.8425	1.6535	A1228	5.5118	6.6323	1.6535	1228TS*					17000
	U1228YM	5.5118	9.8425	1.6535					Non-separable					19000
	U1228YS	5.5118	9.8425	1.6535					Non-separable					17000
	A1230TS	5.9055	10.6299	1.7717	A1230	5.9055	7.1474	1.7717	1230TS*					18800
	A1230WB	5.9055	10.6299	1.7717	A1230	5.9055	7.1474	1.7717	1230WB*					18800
110	A1230WB-H	5.9055	10.6299	1.7717	A1230H	5.9055	7.1474	1.7717	1230WB-H*					18800
	R1230TS	5.9055	10.6299	1.7717	R1230	5.9055	7.1474	1.7717	1230TS*					18800
	R1230WB	5.9055	10.6299	1.7717	R1230	5.9055	7.1474	1.7717	1230WB*					18800
	R1230YS	5.9055	10.6299	1.7717	R1230	5.9055	7.1474	1.7717	1230YS*					18800
111	1303TS-17	.9807	1.8504	.5512					1303TS-17*					1100
112	1303TM-20	.9807	1.8110	.5512					1303TM-20*					1280
	A1303TS	.6693	1.8504	.5512	A1303	.6693	.9797	.5512	1303TS*					1100
113	A1303TS-16	.6693	1.8110	.5512	A1303-21	.6693	.9787	.5512	1303TS-16*					1100
	U1303TM	.6693	1.8504	.5512					Non-separable					1280
	U1303TS	.6693	1.8504	.5512					Non-separable					1100
	A1304TS	.7874	2.0472	.5906	A1304	.7874	1.1005	.5906	1304TS*					1400
	R1304TS	.7874	2.0472	.5906	R1304	.7874	1.1005	.5906	1304TS*					1400
	U1304TM	.7874	2.0472	.5906					Non-separable					1620
	U1304TS	.7874	2.0472	.5906					Non-separable					1400
114	1305TS-26	1.3388	2.4409	.6693					1305TS-26*					1920
115	1305YGS	1.3388	2.4409	.6693					1305YGS*					1920
116	1305TAM	1.3388	2.4409	.7480					1305TAM*					2250
	A1305TM	.9843	2.4409	.6693	A1305	.9843	1.3375	.6693	1305TM*					2250
	A1305TS	.9843	2.4409	.6693	A1305	.9843	1.3375	.6693	1305TS*					1920
117	A1305YBM	.9843	2.4409	.6693	A1305	.9843	1.3375	.6693	1305YBM*					2250
	R1305TM	.9843	2.4409	.6693	R1305	.9843	1.3375	.6693	1305TM*					2250
	R1305TS	.9843	2.4409	.6693	R1305	.9843	1.3375	.6693	1305TS*					1920
	R1305YS	.9843	2.4409	.6693	R1305	.9843	1.3375	.6693	1305YS*					1920
	U1305TM	.9843	2.4409	.6693					Non-separable					2250
	U1305TS	.9843	2.4409	.6693					Non-separable					1920
	U1305YM	.9843	2.4409	.6693					Non-separable					2250
	U1305YS	.9843	2.4409	.6693					Non-separable					1920
118	U1305TS-15	.9843	2.4409	1.0000					Non-separable					1920
119	U1305TM-18	.9843	2.4390	.6693					Non-separable					2250
120	AD1305TS	.9843	2.4409	.6693	AD1305	.9843	1.3375	.6693	1305TS*					1920
121	AE1305TM	.9843	2.4409	.6693	AE1305	.9843	1.3360	.6693	1305TM*					2250
	BU1305L	.9843	2.4409	.6693					BU1305**	1305L	2.1034	2.4409	.6693	1920
	BU1305Z	.9843	2.4409	.6693					BU1305**	1305Z	2.1034	2.4409	.6693	1920
122	UC1305TAM	.9843	2.4409	.7480					Non-separable					2250
123	UC1305TDM	.9843	2.4384	.7480					Non-separable					2250
	AC1305				AC1305	.9843	1.3425	.7630						
124	1306TAM	1.6029	2.8346	.8268					1306TAM*					2500
125	1306TGM	1.6029	2.8346	.7480					1306TGM*					2500
	A1306TM	1.1811	2.8346	.7480	A1306	1.1811	1.6016	.7480	1306TM*					2500
	A1306TS	1.1811	2.8346	.7480	A1306	1.1811	1.6016	.7480	1306TS*					2100
	A1306WB	1.1811	2.8346	.7480	A1306	1.1811	1.6016	.7480	1306WB*					2100
126	A1306TBS	1.1811	2.8346	.7480	A1306	1.1811	1.6016	.7480	1306TBS*					2100
	R1306TS	1.1811	2.8346	.7480	R1306	1.1811	1.6016	.7480	1306TS*					2100
	R1306WB	1.1811	2.8346	.7480	R1306	1.1811	1.6016	.7480	1306WB*					2100
	R1306WB-HC	1.1811	2.8346	.7480	R1306-HC	1.1811	1.6016	.7480	1306WB-HC*					2250
127	R1306WKB-HC	1.1811	2.8359	.7480	R1306-HC	1.1811	1.6016	.7480	1306WKB-HC*					2250

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

110—Same as A1230WB except for finishes and closer lateral tolerances.
111—Same as 1303TS except outer ring end runout to O.D. reduced and out-of-round with assembled end rings specified.
112—Same as 1303TM except O.D.
113—Same as A1303TS except O.D. and internal clearance .0020 - .0028.
114—Same as 1305TS except two O.D. snap ring grooves.
115—Same as 1305YS except O.D. snap ring groove.
116—Same as 1306TM except outer ring width.
117—Same as A1305YM except identification groove in O.D. to indicate grease lubrication.
118—Same as U1305TS except outer ring width and internal clearance .0015 - .0024.
119—Same as U1305TM except O.D., internal clearance .0035 - .0044 and inner ring corner radius .080.
120—Same as A1305TS except inner ring has closer "out of square and finish."
121—Same as A1305TM except internal clearance .0028 - .0039.
122—Same as U1305TM except outer ring width.
123—Same as U1305TM except O.D. and outer ring width.
124—Same as 1306TM except outer ring width.
125—Same as 1306TM except O.D. snap ring groove.
126—Same as A1306TS except $\frac{9}{32}$ blind hole in O.D.
127—Same as R1306WB except O.D. and internal clearance .0024 - .0035.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
	R1306YS	1.1811	2.8346	.7480	R1306	1.1811	1.6016	.7480	1306YS*					2100
	U1306TM	1.1811	2.8346	.7480					Non-separable					2500
	U1306TS	1.1811	2.8346	.7480					Non-separable					2100
	U1306YM	1.1811	2.8346	.7480					Non-separable					2500
	U1306YS	1.1811	2.8346	.7480					Non-separable					2100
128	AB1306TM	1.1811	2.8346	.7480	AB1306	1.1811	1.6005	.7480	1306TM*					2500
	BU1306L	1.1811	2.8346	.7480					BU1306**	1306L	2.3783	2.8346	.7480	2100
129	UC1306TAM	1.1811	2.8346	.8268					Non-separable					2500
130	1307TS-21	1.8457	3.1496	.8268					1307TS-21*					2950
131	1307TGS	1.8457	3.1496	.8268					1307TGS*					2950
132	1307TKS	1.8469	3.1510	.8268					1307TKS*					2950
133	1307YGS	1.8457	3.1496	.8268					1307YGS*					2950
	A1307TM	1.3780	3.1496	.8268	A1307	1.3780	1.8442	.8268	1307TM*					3450
	A1307TS	1.3780	3.1496	.8268	A1307	1.3780	1.8442	.8268	1307TS*					2950
	A1307WB	1.3780	3.1496	.8268	A1307	1.3780	1.8442	.8268	1307WB*					2950
	R1307TS	1.3780	3.1496	.8268	R1307	1.3780	1.8442	.8268	1307TS*					2950
	R1307WB	1.3780	3.1496	.8268	R1307	1.3780	1.8442	.8268	1307WB*					2950
134	R1307WKGB-28	1.3780	3.1510	.8268	R1307-28	1.3780	1.8442	.8268	1307WKGB*					2950
135	R1307WKGB-31	1.2500	3.1510	.8268	R1307-31	1.2500	1.8442	.8268	1307WKGB*					2950
	R1307YM	1.3780	3.1496	.8268	R1307	1.3780	1.8442	.8268	1307YM*					3450
	R1307YS	1.3780	3.1496	.8268	R1307	1.3780	1.8442	.8268	1307YS*					2950
	U1307TM	1.3780	3.1496	.8268					Non-separable					3450
	U1307TS	1.3780	3.1496	.8268					Non-separable					2950
	U1307YM	1.3780	3.1496	.8268					Non-separable					3450
	U1307YS	1.3780	3.1496	.8268					Non-separable					2950
136	UB1307TM	1.3780	3.1496	.8268					Non-separable					3450
137	UY1307TM	1.1811	3.1496	.8268					Non-separable					3450
138	UY1307TAM	1.1811	3.1496	.8268					Non-separable					3450
139	UY1307TAS	1.1811	3.1496	.8268					Non-separable					2950
140	AB1307TS	1.3780	3.1496	.8268	AB1307	1.3780	1.8442	1.0000	1307TS*					2950
	BU1307L	1.3780	3.1496	.8268					BU1307**	1307L	2.6749	3.1496	.8268	2950
	BU1307Z	1.3780	3.1496	.8268					BU1307**	1307Z	2.6749	3.1496	.8268	2950
141	BU1307ZA	1.3780	3.1496	.8268					BU1307**	1307ZA	2.6769	3.1496	.8268	2950
142	BU1307ZG	1.3780	3.1496	.8268					BU1307**	1307ZG	2.6749	3.1496	.8268	2950
	1308TM	2.0606	3.5433	.9055					1308TM*					4150
	A1308TS	1.5748	3.5433	.9055	A1308	1.5748	2.0590	.9055	1308TS*					3700
143	A1308TGS	1.5748	3.5433	.9055	A1308	1.5748	2.0590	.9055	1308TGS*					3700
	A1308WB	1.5748	3.5433	.9055	A1308	1.5748	2.0590	.9055	1308WB*					3700
144	A1308WKB	1.5748	3.5449	.9055	A1308	1.5748	2.0590	.9055	1308WKB*					3700
	R1308TS	1.5748	3.5433	.9055	R1308	1.5748	2.0590	.9055	1308TS*					3700
	R1308WB	1.5748	3.5433	.9055	R1308	1.5748	2.0590	.9055	1308WB*					3700
145	R1308WKB	1.5748	3.5449	.9055	R1308	1.5748	2.0590	.9055	1308WKB*					3700
	R1308YS	1.5748	3.5433	.9055	R1308	1.5748	2.0590	.9055	1308YS*					3700
146	R1308WB-KA	1.5748	3.5433	.9055					Non-separable					3700
	U1308TM	1.5748	3.5433	.9055					Non-separable					4150
	U1308TS	1.5748	3.5433	.9055					Non-separable					3700
147	U1308TGS	1.5748	3.5433	.9055					Non-separable					3700
	U1308YM	1.5748	3.5433	.9055					Non-separable					4150
	U1308YS	1.5748	3.5433	.9055					Non-separable					3700
148	BU1308-23	1.5748	3.0560	.8755					BU1308-23**					3700
	BU1308L	1.5748	3.5433	.9055					BU1308**	1308L	3.0576	3.5433	.9055	3700
149	BU1308-16	1.5748	3.0560	.9055					BU1308-16**					3700
150	BU1308ZA	1.5748	3.5433	.9055					BU1308**	1308ZA	3.0595	3.5433	.9055	3700

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

128—Same as A1306TM except internal clearance,.0024 - .0035.
129—Same as U1306TM except outer ring width.
130—Same as 1307TS except roller diameter variation per assembly and outer ring wall variation reduced.
131—Same as 1307TS except O.D. snap ring groove.
132—Same as 1307TS except I.D. and O.D.
133—Same as 1307YS except O.D. snap ring groove.
134—Same as R1307WB except inner ring rib diameter 1.936, O.D. internal clearance .0027 - .0038, and O.D.
135—Same as R1307WB except I.D., O.D., internal clearance .0027 - .0038 and O.D. snap ring groove.
136—Same as U1307TM except inner ring corner radius .100.
137—Same as U1307TM except I.D.
138—Same as U1307TM except I.D., and outer ring width .9045.
139—Same as U1307TS except I.D., and outer ring width .9045.
140—Same as A1307TS except inner ring width 1.0000.
141—Same as BU1307Z except internal clearance .0035 - .0046 and $^{11}/_{32}$ blind hole in O.D.
142—Same as BU1307Z except O.D. snap ring groove.
143—Same as A1308TS except O.D. snap ring groove.
144—Same as A1308WB except O.D. and internal clearance .0030 - .0041.
145—Same as R1308WB except O.D. and internal clearance .0030 - .0041.
146—Same as R1308WB except internal clearance .0012 - .0018 —matched bearing.
147—Same as U1308TS except O.D. snap ring groove.
148—Same as BU1308 except inner ring width and one piece bronze cage.
149—Same as BU1308 except one piece bronze cage.
150—Same as BU1308Z except internal clearance .0035 - .0046 and $^{9}/_{32}$ blind hole in O.D.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
151	BU1308ZG	1.5748	3.5433	.9055					BU1308**	1308ZG	3.0576	3.5433	.9055	3700
152	RA1308L	2.0608	3.5433	.9055					RA1308-19	1308L	3.0576	3.5433	.9055	3700
153	RB1308TS	1.3125	3.5433	.9055	RB1308	1.3125	2.0590	.9440	1308TS*					3700
154	RB1308TM-36	1.3125	3.5433	.9055	RB1308	1.3125	2.0590	.9055	1308TM-36*					4150
155	UB1308TM	1.5748	3.5433	.9055					Non-separable					4150
156	UB1308TM-15	1.5748	3.5433	.9055					Non-separable					4150
157	UY1308TM	1.3780	3.5433	.9055					Non-separable					4150
158	JRN1308WKB	1.5748	3.5449	.9055	RN1308	1.5748	2.0590	.7400	1308WKB*					3700
159	1309TS-24	2.3389	3.9370	.9843					1309TS-24*					4400
	A1309TS	1.7717	3.9370	.9843	A1309	1.7717	2.3371	.9843	1309TS*					4400
	A1309WB	1.7717	3.9370	.9843	A1309	1.7717	2.3371	.9843	1309WB*					4700
160	A1309WB-18	1.7717	3.8125	.9843	A1309	1.7717	2.3371	.9843	1309WB-18*					4700
	A1309YS	1.7717	3.9370	.9843	A1309	1.7717	2.3371	.9843	1309YS*					4400
	R1309TS	1.7717	3.9370	.9843	R1309	1.7717	2.3371	.9843	1309TS*					4400
161	R1309TKS	1.7717	3.9388	.9843	R1309	1.7717	2.3371	.9843	1309TKS*					4400
	R1309WB	1.7717	3.9370	.9843	R1309	1.7717	2.3371	.9843	1309WB*					4700
	R1309YS	1.7717	3.9370	.9843	R1309	1.7717	2.3371	.9843	1309YS*					4400
162	R1309YAS	1.7717	3.9395	.9843	R1309	1.7717	2.3371	.9843	1309YAS*					4400
163	R1309YS-43	1.7717	3.9370	.9843	R1309	1.7717	2.3349	.9843	1309YS43*					4400
164	R1309WB-23	1.7717	3.9370	.9843	R1309-23	1.7717	2.3339	.9843	1309WB*					4700
165	R1309WGB	1.7717	3.9370	.9843	R1309	1.7717	2.3371	.9843	1309WGB*					4700
166	R1309WB-30	1.7717	3.9395	.9843	R1309	1.7717	2.3371	.9843	1309WB-30*					4700
	U1309TM	1.7717	3.9370	.9843					Non-separable					5200
	U1309TS	1.7717	3.9370	.9843					Non-separable					4400
	U1309YM	1.7717	3.9370	.9843					Non-separable					5200
	U1309YS	1.7717	3.9370	.9843					Non-separable					4400
167	U1309TM-16	1.5748	3.9370	.9843					Non-separable					5200
168	U1309TM-20	1.5748	3.9370	.9843					Non-separable					5200
169	U1309TM-22	1.7717	3.9370	.9843					Non-separable					5200
	BU1309L	1.7717	3.9370	.9843					BU1309**	1309L	3.3899	3.9370	.9843	4700
	BU1309Z	1.7717	3.9370	.9843					BU1309**	1309Z	3.3899	3.9370	.9843	4700
170	BU1309LK	1.7717	3.9388	.9843					BU1309**	1309LK	3.3914	3.9388	.9843	4700
171	BU1309ZA	1.7717	3.9370	.9843					BU1309**	1309ZA	3.3922	3.9370	1.1250	4700
172	BU1309ZKG	1.7717	3.9388	.9843					BU1309**	1309ZKG	3.3914	3.9388	.9843	4700
173	BU1309ZKF	1.7717	3.9388	.9843					BU1309**	1309ZKF	3.3914	3.9388	.9843	4700
174	BU1309Z-17	1.7714	3.9370	.9843					BU1309-17**	1309Z	3.3899	3.9370	.9843	4700
175	BU1309LNFJ	1.7717	3.9370	.9843					BU1309**	1309LNF	3.3899	3.9370	.8200	4700
176	UX1309TM	1.3780	3.9370	.9843					Non-separable					5200
177	JRN1309WB-32	1.7717	3.9370	.9843	RN1309-32	1.7717	2.3371	.8200	1309WB*					4700
	A1310TS	1.9685	4.3307	1.0630	A1310	1.9685	2.5648	1.0630	1310TS*					4950
	A1310WB	1.9685	4.3307	1.0630	A1310	1.9685	2.5648	1.0630	1310WB*					5300
	A1310WB-HC	1.9685	4.3307	1.0630	A1310	1.9685	2.5648	1.0630	1310WB-HC*					5500
	R1310TS	1.9685	4.3307	1.0630	R1310	1.9685	2.5648	1.0630	1310TS*					4950
	R1310WB	1.9685	4.3307	1.0630	R1310	1.9685	2.5648	1.0630	1310WB*					5300
178	R1310WB-17	1.9685	4.3307	1.0630	R1310-17	1.9685	2.5648	1.0630	1310WB*					5300

*Rollers assembled with outer rings.
**Rollers assembled with inner ring.

151—Same as BU1308Z except O.D. snap ring groove.
152—Integral roller assembly with separable outer ring.
153—Same as R1308TS except I.D., and inner ring width .944.
154—Same as R1308TM except I.D., and O.D. corner chamfers .020 max.
155—Same as U1308TM except inner ring corner radius .100 and internal clearance .0022 - .0031.
156—Same as U1308TM except I.D. corner radius .100 and internal clearance .0016 - .0025.
157—Same as U1308TM except I.D.
158—Same as R1308WB except inner ring width .740, O.D., internal clearance .0030 - .0041, and side plate J1308 added.
159—Same as 1309TS except roller diameter variation per assembly and outer ring wall variation reduced.
160—Same as A1309WB except O.D.
161—Same as A1309TS except O.D. and internal clearance .0033 - .0047.
162—Same as R1309YS except O.D., internal clearance .0038 - .0052 and $^{9}/_{32}$ blind hole in O.D.
163—Same as R1309YS except O.R. rib dia. 3.220.
164—Same as R1309WB except internal clearance .0050 - .0064.
165—Same as R1309WB except O.D. snap ring groove.
166—Same as R1309WB except O.D., internal clearance .0038 - .0052 and $^{9}/_{32}$ blind hole in O.D.
167—Same as U1309TM except I.D.
168—Same as U1309TM except I.D. and inner ring corner radius .250.
169—Same as U1309TM except inner ring corner radius .187.
170—Same as BU1309L except O.D., and internal clearance .0033 - .0047.
171—Same as BU1309Z except outer ring width, internal clearance .0041 - .0055 and $^{7}/_{16}$ blind hole in O.D.
172—Same as BU1309Z except O.D., internal clearance .0033 - .0047 and standard O.D. groove.
173—Same as BU1309Z except O.D., internal clearance .0033 - .0047 and standard $^{5}/_{16}$ blind hole in O.D.
174—Same as BU1309Z except I.D.
175—Same as BU1309L except outer ring width .8200, standard $^{5}/_{16}$ blind hole in O.D. and side plate 1309J added.
176—Same as U1309TM except I.D.
177—Same as R1309WB except inner ring width .8200, inner ring corner radius replaced by .025 chamfer, and side plate J1309 added.
178—Same as R1310WB except inner ring corner radius .156.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING				ROLLER AND RING ASSEMBLY	OUTER RING				Capacity 500 RPM 3000 Hrs.
					Dimensions for Separable Rings					Dimensions for Separable Rings				
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width	PART NO.	Part No.	I.D.	O.D.	Width	B-10
	R1310WB-HC	1.9685	4.3307	1.0630	R1310-HC	1.9685	2.5648	1.0630	1310WB-HC*					5500
	R1310YS	1.9685	4.3307	1.0630	R1310	1.9685	2.5648	1.0630	1310YS*					4950
	U1310TM	1.9685	4.3307	1.0630					Non-separable					5800
	U1310TS	1.9685	4.3307	1.0630					Non-separable					4950
	U1310YM	1.9685	4.3307	1.0630					Non-separable					5800
179	U1310YGRS	1.9685	4.3307	1.0630					Non-separable					4950
	U1310YS	1.9685	4.3307	1.0630					Non-separable					4950
	BU1310Z	1.9685	4.3307	1.0630					BU1310**	1310Z	3.7201	4.3307	1.0630	5300
180	BU1310Z-18	1.9685	4.3307	1.0630					BU1310-18**	1310Z	3.7201	4.3307	1.0630	5300
181	BU1310ZA	1.9685	4.3307	1.0630					BU1310**	1310ZA	3.7218	4.3307	1.1250	5300
	BU1310-L-HC	1.9685	4.3307	1.0630					BU1310-HC**	1310L-HC	3.7201	4.3307	1.0630	5500
182	JRN1310WB-HC	1.9685	4.3307	1.0630	RN1310-HC	1.9685	2.5648	.8840	1310WB-HC*					5500
	A1311TS	2.1654	4.7244	1.1417	A1311	2.1654	2.8123	1.1417	1311TS*					5700
	A1311WB	2.1654	4.7244	1.1417	A1311	2.1654	2.8123	1.1417	1311WB*					6100
183	A1311TFS	2.1654	4.7244	1.1417	A1311	2.1654	2.8123	1.1417	1311TFS*					5700
	R1311TM	2.1654	4.7244	1.1417	R1311	2.1654	2.8123	1.1417	1311TM*					6700
	R1311TS	2.1654	4.7244	1.1417	R1311	2.1654	2.8123	1.1417	1311TS*					5700
184	R1311TKS	2.1654	4.7266	1.1417	R1311	2.1654	2.8123	1.1417	1311TKS*					5700
185	R1311TKGS	2.1654	4.7266	1.1417	R1311	2.1654	2.8123	1.1417	1311TKGS*					5700
186	R1311TK4S	2.1654	4.7266	1.1417	R1311	2.1654	2.8123	1.1417	1311TK4S*					5700
	R1311WB	2.1654	4.7244	1.1417	R1311	2.1654	2.8123	1.1417	1311WB*					6100
187	R1311WKB-20	2.1654	4.7266	1.1417	R1311	2.1654	2.8123	1.1417	1311WKB-20*					6100
	R1311YS	2.1654	4.7244	1.1417	R1311	2.1654	2.8123	1.1417	1311YS*					5700
188	R1311YAS	2.1654	4.7265	1.1417	R1311	2.1654	2.8123	1.1417	1311YAS*					5700
	U1311TM	2.1654	4.7244	1.1417					Non-separable					6700
	U1311TS	2.1654	4.7244	1.1417					Non-separable					5700
	U1311YM	2.1654	4.7244	1.1417					Non-separable					6700
	U1311YS	2.1654	4.7244	1.1417					Non-separable					5700
189	U1311YBM	2.1654	4.7244	1.1417					Non-separable					6700
190	U1311YBS	2.1654	4.7244	1.1417					Non-separable					5700
	BU1311L	2.1654	4.7244	1.1417					BU1311**	1311L	4.0790	4.7244	1.1417	6100
191	BU1311LK	2.1654	4.7266	1.1417					BU1311**	1311LK	4.0808	4.7266	1.1417	6100
	BU1311Z	2.1654	4.7244	1.1417					BU1311**	1311Z	4.0790	4.7244	1.1417	6100
192	BU1311ZA	2.1654	4.7244	1.1417					BU1311**	1311ZA	4.0812	4.7244	1.1417	6100
193	BU1311ZG	2.1654	4.7244	1.1417					BU1311**	1311ZG	4.0790	4.7244	1.1417	6100
194	BU1311LAJ	2.1654	4.7244	1.1417					BU1311**	1311LA	4.0790	4.7244	.9350	6100
195	TA1311TS	2.1803	4.7244	1.1417	30098	2.1803	2.8123	2.3125	1311TS					5700
196	BUB1311Z	2.1654	4.7244	1.1417					BUB1311**	1311Z	4.0790	4.7244	1.1417	6100
	1312TM	3.0544	5.1181	1.2205					1312TM*					8100
	A1312TS	2.3622	5.1181	1.2205	A1312	2.3622	3.0532	1.2205	1312TS*					6900
	A1312WB	2.3622	5.1181	1.2205	A1312	2.3622	3.0532	1.2205	1312WB*					7300
197	A1312WB-22	2.3622	5.1181	1.2205	A1312-22	2.3622	3.0532	1.2205	1312WB-22*					7300
198	A1312WB-28	2.3622	5.1194	1.2205	A1312	2.3622	3.0532	1.2205	1312WB-28*					7300
199	A1312WB-29	2.3622	5.1194	1.2205	A1312-29	2.3622	3.0526	1.2205	1312WB-28*					7300
200	A1312WB-30	2.3616	5.1194	1.2205	A1312-30	2.3616	3.0532	1.2205	1312WB-28*					7300
201	A1312TGS	2.3622	5.1181	1.2205	A1312	2.3622	3.0532	1.2205	1312TGS*					6900

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

179—Same as U1310YS except O.D. snap ring groove, reversed location.
180—Same as BU1310Z except internal clearance .0015 - .0029.
181—Same as BU1310Z except outer ring width 1.1250, internal clearance .0036 - .0050 and 7/16 blind hole in O.D.
182—Same as R1310WB-HC except inner ring width .884 and side plate J1310-HC added.
183—Same as A1311TS except standard 3/8 blind hole in O.D.
184—Same as R1311TS except O.D. and internal clearance .0039 - .0053.
185—Same as R1311TS except O.D., internal clearance .0039 - .0053, and O.D. snap ring groove.
186—Same as R1311TS except O.D., internal clearance .0039 - .0053 and O.D. snap ring.
187—Same as R1311WB except internal clearance .0039 - .0049 and 7/16 blind hole in O.D.
188—Same as R1311YS except O.D., internal clearance .0039 - .0049 and 7/16 blind hole in O.D.
189—Same as U1311YM except special finish on outer ring rib face.
190—Same as U1311YS except special finish on outer ring rib face.
191—Same as BU1311L except O.D. and internal clearance .0039 - .0053.
192—Same as BU1311Z except internal clearance .0039 - .0049 and 7/16 blind hole in O.D.
193—Same as BU1311Z except O.D. snap ring groove.
194—Same as BU1311L except outer ring width, 5/16 blind hole in O.D. and side plate 1311J added.
195—Same as A1311TS except I.D. and inner ring width 2.3125 with two notches.
196—Same as BU1311Z except inner ring corner radius .125.
197—Same as A1312WB except reduced length tolerances on both rings.
198—Same as A1312WB except O.D., internal clearance .0048 - .0059, and 7/16 blind hole in O.D.
199—Same as A1312WB except O.D., internal clearance .0054 - .0065, and 7/16 blind hole in O.D.
200—Same as A1312WB except I.D., O.D., internal clearance .0048 - .0059, and 7/16 blind hole in O.D.
201—Same as A1312TGS except O.D. snap ring groove.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS - Continued

ITEM	COMPLETE BEARING				INNER RING (Dimensions for Separable Rings)				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING (Dimensions for Separable Rings)				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
	R1312TS	2.3622	5.1181	1.2205	R1312	2.3622	3.0532	1.2205	1312TS*					6900
	R1312WB	2.3622	5.1181	1.2205	R1312	2.3622	3.0532	1.2205	1312WB*					7300
	R1312YS	2.3622	5.1181	1.2205	R1312	2.3622	3.0532	1.2205	1312YS*					6900
202	R1312YAS	2.3622	5.1194	1.2205	R1312	2.3622	3.0532	1.2205	1312YAS*					6900
203	R1312YAS-19	2.4999	5.1194	1.2205	R1312-19	2.5005	3.0532	1.2205	1312YAS*					6900
204	R1312TKGS	2.3622	5.1204	1.2205	R1312	2.3622	3.0532	1.2205	1312TKGS*					6900
205	R1312TK4S	2.3622	5.1204	1.2205	R1312	2.3622	3.0532	1.2205	1312TK4S*					6900
206	R1312WB-28	2.3622	5.1194	1.2205	R1312	2.3622	3.0532	1.2205	1312WB-28*					7300
	U1312TM	2.3622	5.1181	1.2205					Non-separable					8100
	U1312TS	2.3622	5.1181	1.2205					Non-separable					6900
	U1312YM	2.3622	5.1181	1.2205					Non-separable					8100
	U1312YS	2.3622	5.1181	1.2205					Non-separable					6900
	BU1312L	2.3622	5.1181	1.2205					BU1312**	1312L	4.4286	5.1181	1.2205	7300
	BU1312Z	2.3622	5.1181	1.2205					BU1312**	1312Z	4.4286	5.1181	1.2205	7300
207	BU1312ZA	2.3622	5.1181	1.2205					BU1312**	1312ZA	4.4311	5.1181	1.2205	7300
208	BU1312Z-15	2.3618	5.1181	1.2205					BU1312-15**	1312Z	4.4286	5.1181	1.2205	7300
209	BU1312Z-23	2.3622	5.1181	1.2205					BU1312-23**	1312Z	4.4286	5.1181	1.2205	7300
	A1313TS	2.5591	5.5118	1.2992	A1313	2.5591	3.2943	1.2992	1313TS*					8100
	A1313WB	2.5591	5.5118	1.2992	A1313	2.5591	3.2943	1.2992	1313WB*					8600
210	A1313TAS	2.5591	5.5118	1.2992	A1313	2.5591	3.2943	1.2992	1313TAS*					8100
211	A1313TKFS	2.5591	5.5141	1.2992	A1313	2.5591	3.2943	1.2992	1313TKFS*					8100
212	A1313WKFB	2.5591	5.5141	1.2992	A1313	2.5591	3.2943	1.2992	1313WKFB*					8600
213	A1313WKFB-31	2.5591	5.5141	1.2992	A1313-31	2.5591	3.2933	1.2992	1313WKFB*					8600
	R1313TS	2.5591	5.5118	1.2992	R1313	2.5591	3.2943	1.2992	1313TS*					8100
	R1313WB	2.5591	5.5118	1.2992	R1313	2.5591	3.2943	1.2992	1313WB*					8600
214	R1313WB-28	2.5591	5.5118	1.2992	R1313	2.5591	3.2943	1.2992	Non-separable					8600
	R1313YS	2.5591	5.5118	1.2992	R1313	2.5591	3.2943	1.2992	1313YS*					8100
215	R1313WB-CA	2.5591	5.5118	1.2992	R1313	2.5591	3.2943	1.2992	1313WB-CA*					8600
216	R1313WB-KA	2.5591	5.5118	1.2992					Non-separable					8600
217	R1313WB-CA-21	2.5591	5.5118	1.2992	R1313-21	2.5591	3.2933	1.2992	1313WB-CA*					8600
218	R1313WKFB	2.5591	5.5141	1.2992	R1313	2.5591	3.2943	1.2992	1313WKFB*					8600
	U1313TM	2.5591	5.5118	1.2992					Non-separable					9500
	U1313TS	2.5591	5.5118	1.2992					Non-separable					8100
	U1313YM	2.5591	5.5118	1.2992					Non-separable					9500
	U1313YS	2.5591	5.5118	1.2992					Non-separable					8100
	BU1313L	2.5591	5.5118	1.2992					BU1313**	1313L	4.7782	5.5118	1.2992	8600
	BU1313Z	2.5591	5.5118	1.2992					BU1313**	1313Z	4.7782	5.5118	1.2992	8600
219	BU1313ZA	2.5591	5.5118	1.2992					BU1313**	1313ZA	4.7802	5.5118	1.5000	8600
220	BU1313ZB	2.5591	5.5118	1.2992					BU1313**	1313ZB	4.7802	5.5118	1.2992	8600
221	BU1313LNJ	2.5591	5.5118	1.2992					BU1313**	1313LN	4.7782	5.5118	1.0930	8600
222	BU1313L-KA	2.5591	5.5118	1.2992					Non-separable					8600
223	JRN1313WB	2.5591	5.5118	1.2992	RN1313	2.5591	3.2943	1.0930	1313WB*					8600
224	1314WKM-16	3.5169	5.9081	1.3780					1314WKM-16					10800
	A1314TS	2.7559	5.9055	1.3780	A1314	2.7559	3.5115	1.3780	1314TS*					9300
	A1314WB	2.7559	5.9055	1.3780	A1314	2.7559	3.5115	1.3780	1314WB*					9900
	R1314TS	2.7559	5.9055	1.3780	R1314	2.7559	3.5115	1.3780	1314TS*					9300
	R1314WB	2.7559	5.9055	1.3780	R1314	2.7559	3.5115	1.3780	1314WB*					9900

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

202—Same as R1312YS except O.D., internal clearance .0048 - .0059 and 7/16 blind hole in O.D.
203—Same as R1312YS except I.D., inner ring corner radius .156, O.D., internal clearance .0058 - .0075 and 7/16 blind hole in O.D.
204—Same as R1312TS except O.D., internal clearance .0041 — .0058 and O.D. snap ring groove.
205—Same as R1312TS except O.D., internal clearance .0041 - .0058 and O.D. snap ring.
206—Same as R1312WB except O.D., internal clearance .0048 - .0059 and 7/16 blind hole in O.D.
207—Same as BU1312Z except internal clearance .0047 - .0058 and 7/16 blind hole in O.D.
208—Same as BU1312Z except I.D.
209—Same as BU1312Z except internal clearance .0018 - .0029
210—Same as A1313TS except internal clearance .0043 - .0054 and 7/16 blind hole in O.D.
211—Same as A1313TS except O.D., internal clearance .0041 - .0058 and standard 3/8 blind hole in O.D.
212—Same as A1313WB except O.D., internal clearance .0041 - .0058 and standard 3/8 blind hole in O.D.
213—Same as A1313WB except O.D., internal clearance 0051 - .0062 and standard 3/8 blind hole in O.D.
214—Same as R1313WB except one piece bronze cage, outer ring rib diameter 4.535 with special rib I.D. finish, and internal clearance .0015 - .0021 - matched bearing.
215—Same as R1313WB except internal clearance .0033 - .0044.
216—Same as R1313WB except internal clearance .0015 - .0021 —matched bearing.
217—Same as R1313WB except internal clearance .0043 - .0054.
218—Same as R1313WB except O.D., internal clearance .0041 - .0058, and 3/8 blind hole in O.D.
219—Same as BU1313Z except outer ring width, internal clearance .0041 - .0052 and 7/16 blind hole in O.D.
220—Same as BU1313Z except internal clearance .0043 - .0054 and 7/16 blind hole in O.D.
221—Same as BU1313L except outer ring width and side plate 1313J added.
222—Same as BU1313L except internal clearance .0015 - .0021 —matched bearing.
223—Same as R1313WB except inner ring width and side plate J1313 added.
224—Same as 1314WB except I.D. and O.D.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING				Capacity 500 RPM 3000 Hrs. B-10
					Dimensions for Separable Rings					Dimensions for Separable Rings				
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
225	R1314WKB	2.7559	5.9081	1.3780	R1314	2.7559	3.5115	1.3780	1314WKB*					9900
	R1314YS	2.7559	5.9055	1.3780	R1314	2.7559	3.5115	1.3780	1314YS*					9300
226	R1314YAS	2.7559	5.9055	1.3780	R1314	2.7559	3.5115	1.3780	1314YAS*					9300
227	R1314YGRS	2.7559	5.9055	1.3780	R1314	2.7559	3.5115	1.3780	1314YGRS*					9300
	R1314-19				R1314-19‡	2.7552	3.5104	1.3780						
	R1314-23				R1314-23‡	2.7546	3.5100	1.3780						
	U1314TM	2.7559	5.9055	1.3780					Non-separable					10800
	U1314TS	2.7559	5.9055	1.3780					Non-separable					9300
	U1314YM	2.7559	5.9055	1.3780					Non-separable					10800
	U1314YS	2.7559	5.9055	1.3780					Non-separable					9300
	BU1314L	2.7559	5.9055	1.3780					BU1314**	1314L	5.0935	5.9055	1.3780	9900
228	BU1314LKF	2.7559	5.9081	1.3780					BU1314**	1314LKF	5.0955	5.9081	1.3780	9900
	BU1314Z	2.7559	5.9055	1.3780					BU1314**	1314Z	5.0935	5.9055	1.3780	9900
229	BU1314Z-18	2.7559	5.9055	1.3780					BU1314-18**	1314Z	5.0935	5.9055	1.3780	9900
230	BU1314ZA	2.7559	5.9055	1.3780					BU1314**	1314ZA	5.0954	5.9055	1.7500	9900
231	BU1314Z-15	2.7559	5.9055	1.3780					BU1314**	1314Z-15	5.0954	5.9055	1.3780	9900
232	BUB1314ZB	2.7559	5.9055	1.3780					Non-separable					9900
233	JRN1314WB	2.7559	5.9055	1.3780	RN1314	2.7559	3.5115	1.1680	1314WB*					9900
	A1315TS	2.9528	6.2992	1.4567	A1315	2.9528	3.7764	1.4567	1315TS*					10200
	A1315WB	2.9528	6.2992	1.4567	A1315	2.9528	3.7764	1.4567	1315WB*					10200
234	A1315TKFS	2.9528	6.3020	1.4567	A1315	2.9528	3.7764	1.4567	1315TKFS*					10200
235	A1315WKFB	2.9528	6.3020	1.4567	A1315	2.9528	3.7764	1.4567	1315WKFB*					10200
236	A1315WKFB-23	2.9528	6.3020	1.4567	A1315-23	2.9528	3.7751	1.4567	1315WKFB*					10200
	R1315TS	2.9528	6.2992	1.4567	R1315	2.9528	3.7764	1.4567	1315TS*					10200
	R1315WB	2.9528	6.2992	1.4567	R1315	2.9528	3.7764	1.4567	1315WB*					10200
	R1315YS	2.9528	6.2992	1.4567	R1315	2.9528	3.7764	1.4567	1315YS*					10200
	U1315TM	2.9528	6.2992	1.4567					Non-separable					11200
	U1315TS	2.9528	6.2992	1.4567					Non-separable					10200
	U1315YM	2.9528	6.2992	1.4567					Non-separable					11200
	U1315YS	2.9528	6.2992	1.4567					Non-separable					10200
	BU1315L	2.9528	6.2992	1.4567					BU1315**	1315L	5.4778	6.2992	1.4567	10200
	R1315-26				R1315-26•	2.9516	3.7755	1.4567						
	BU1315Z	2.9528	6.2992	1.4567					BU1315**	1315Z	5.4778	6.2992	1.4567	10200
237	BU1315ZA	2.9528	6.2992	1.4567					BU1315**	1315ZA	5.4800	6.2992	1.7500	10200
238	BU1315ZKG	2.9528	6.3020	1.4567					BU1315**	1315ZKG	5.4800	6.3020	1.4567	10200
239	BU1315Z-22	2.9523	6.2992	1.4567					BU1315-22**	1315Z	5.4778	6.2992	1.4567	10200
240	RW1315YS	2.9528	6.2992	1.4567	RW1315	2.9528	3.7764	2.6875	1315YS*					10200
241	1316WKM-17	4.0074	6.6957	1.5354					1316WKM-17*					12600
	A1316TS	3.1496	6.6929	1.5354	A1316	3.1496	4.0014	1.5354	1316TS*					11600
	A1316WB	3.1496	6.6929	1.5354	A1316	3.1496	4.0014	1.5354	1316WB*					11600
242	A1316WB-KA	3.1496	6.6929	1.5354					Non-separable					11600
	R1316TS	3.1496	6.6929	1.5354	R1316	3.1496	4.0014	1.5354	1316TS*					11600
	R1316WB	3.1496	6.6929	1.5354	R1316	3.1496	4.0014	1.5354	1316WB*					11600
	R1316YS	3.1496	6.6929	1.5354	R1316	3.1496	4.0014	1.5354	1316YS*					11600
	U1316TM	3.1496	6.6929	1.5354					Non-separable					12600
	U1316TS	3.1496	6.6929	1.5354					Non-separable					11600
	U1316YS	3.1496	6.6929	1.5354					Non-separable					11600
	BU1316L	3.1496	6.6929	1.5354					BU1316**	1316L	5.8041	6.6929	1.5354	11600
243	BU1316Z-18	3.1496	6.6929	1.5354					BU1316-18**	1316Z	5.8041	6.6929	1.5354	11600
244	RB1316YAS	3.1464	6.6967	1.5354	RB1316	3.1464	4.0014	1.6000	1316YAS*					11600

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

225—Same as R1314WB except O.D. and internal clearance .0046 - .0063.
226—Same as R1314YS except internal clearance .0048 - .0059 and 7/16 blind hole in O.D.
227—Same as R1314YS except O.D. snap ring groove, reversed location.
228—Same as BU1314L except O.D. internal clearance .0046 - .0063 and standard 7/16 blind hole in O.D.
229—Same as BU1314Z except internal clearance .0022 - .0033.
230—Same as BU1314Z except outer ring width, internal clearance .0046 - .0057 and 7/16 blind hole in O.D.
231—Same as BU1314Z except internal clearance .0046 - .0057 and 7/16 blind hole in O.D.
232—Same as BU1314Z except I.D. and O.D. corner radius .187, internal clearance .0021 - .0027 —matched bearing.
233—Same as R1314WB except inner ring width and side plate J1314 added.
234—Same as A1315TS except O.D., internal clearance .0048 - .0066, and standard 7/16 blind hole in O.D.
235—Same as A1315WB except O.D., internal clearance .0048 - .0066, and standard 7/16 blind hole in O.D.
236—Same as A1315WB except O.D., internal clearance .0061 - .0079 and standard 7/16 blind hole in O.D.
237—Same as BU1315Z except outer width, internal clearance .0048 - .0066 and 7/16 blind hole in O.D.
238—Same as BU1315Z except O.D., internal clearance .0048 - .0066 and O.D. snap ring groove.
239—Same as BU1315Z except I.D.
240—Same as R1315YS except inner ring width.
241—Same as 1316W except I.D. and O.D.
242—Same as A1316WB except internal clearance .0037 - .0045 —matched bearing.
243—Same as BU1316Z except internal clearance .0023 - .0039
244—Same as R1316YAS except inner ring width, O.D., internal clearance .0072 - .0088 and 7/16 blind hole in O.D.

‡ Rib diameter 3.808 x .214 wide.
• Rib diameter 4.096 x .263 wide.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
	A1317TS	3.3465	7.0866	1.6142	A1317	3.3465	4.2725	1.6142	1317TS*					12400
	A1317WB	3.3465	7.0866	1.6142	A1317	3.3465	4.2725	1.6142	1317WB*					12400
	R1317TS	3.3465	7.0866	1.6142	R1317	3.3465	4.2725	1.6142	1317TS*					12400
	R1317WB	3.3465	7.0866	1.6142	R1317	3.3465	4.2725	1.6142	1317WB*					12400
245	R1317YFS-CA	3.3465	7.0866	1.6142	R1317	3.3465	4.2725	1.6142	1317YFS-CA*					12400
	U1317TM	3.3465	7.0866	1.6142					Non-separable					13600
	U1317TS	3.3465	7.0866	1.6142					Non-separable					12400
	BU1317L	3.3465	7.0866	1.6142					BU1317**	1317L	6.1977	7.0866	1.6142	12400
	BU1317Z	3.3465	7.0866	1.6142					BU1317**	1317Z	6.1977	7.0866	1.6142	12400
246	BU1317ZA	3.3465	7.0866	1.6142					BU1317**	1317ZA	6.1990	7.0866	2.0000	12400
247	BU1317LKF	3.3465	7.0894	1.6142					BU1317**	1317LKF	6.1998	7.0894	1.6142	12400
248	BU1317ZKF	3.3465	7.0894	1.6142					BU1317**	1317ZKF	6.1998	7.0894	1.6142	12400
249	1318WFB-27	4.4968	7.4803	1.6929					1318WFB-27*					
	A1318TS	3.5433	7.4803	1.6929	A1318	3.5433	4.4894	1.6929	1318TS*					14800
	A1318WB	3.5433	7.4803	1.6929	A1318	3.5433	4.4894	1.6929	1318WB*					14800
250	A1318WB-19	3.5433	7.4803	1.6929	A1318-19	3.5433	4.4894	1.6929	1318WB-19*					14800
	R1318TS	3.5433	7.4803	1.6929	R1318	3.5433	4.4894	1.6929	1318TS*					14800
	R1318WB	3.5433	7.4803	1.6929	R1318	3.5433	4.4894	1.6929	1318WB*					14800
251	R1318YAS	3.5433	7.4803	1.6929	R1318	3.5433	4.4894	1.6929	1318YAS*					14800
	U1318TS	3.5433	7.4803	1.6929					Non-separable					14800
	BU1318Z	3.5433	7.4803	1.6929					BU1318**	1318Z	6.5121	7.4803	1.6929	14800
252	BU1318ZA	3.5433	7.4803	1.6929					BU1318**	1318ZA	6.5144	7.4803	1.6929	14800
253	BU1318LKG-21	3.1496	7.4833	1.6929					BU1318-21**	1318LKG	6.5144	7.4833	1.6929	14800
254	RB1318YAS	3.5433	7.4803	1.6929	RB1318	3.5433	4.4894	1.6929	1318YAS*					14800
	A1319TS	3.7402	7.8740	1.7717	A1319	3.7402	4.8092	1.7717	1319TS*					14800
	A1319WB	3.7402	7.8740	1.7717	A1319	3.7402	4.8092	1.7717	1319WB*					14800
	R1319TS	3.7402	7.8740	1.7717	R1319	3.7402	4.8092	1.7717	1319TS*					14800
	R1319WB	3.7402	7.8740	1.7717	R1319	3.7402	4.8092	1.7717	1319WB*					14800
	U1319TS	3.7402	7.8740	1.7717					Non-separable					14800
	BU1319Z	3.7402	7.8740	1.7717					BU1319**	1319Z	6.8319	7.8740	1.7717	14800
255	BU1319Z-15	3.7402	7.8740	1.7717					BU1319**	1319Z-15	6.8338	7.8740	1.7717	14800
256	BU1319-16	3.7402	6.8283	1.7717					BU1319-16**					14800
	A1320TS	3.9370	8.4646	1.8504	A1320	3.9370	5.1246	1.8504	1320TS*					16400
	A1320WB	3.9370	8.4646	1.8504	A1320	3.9370	5.1246	1.8504	1320WB*					16400
	R1320TS	3.9370	8.4646	1.8504	R1320	3.9370	5.1246	1.8504	1320TS*					16400
	R1320WB	3.9370	8.4646	1.8504	R1320	3.9370	5.1246	1.8504	1320WB*					16400
257	R1320WB-15	3.9370	8.4646	1.8504	R1320-15	3.9370	5.1226	1.8504	1320WB*					16400
	U1320TM	3.9370	8.4646	1.8504					Non-separable					18800
	U1320TS	3.9370	8.4646	1.8504					Non-separable					16400
	BU1320Z	3.9370	8.4646	1.8504					BU1320**	1320Z	7.2798	8.4646	1.8504	16400
258	BU1320ZA	3.9370	8.4646	1.8504					BU1320**	1320ZA	7.2823	8.4646	2.2500	16400
	A1321TS	4.1339	8.8583	1.9291	A1321	4.1339	5.3616	1.9291	1321TS*					17200
	A1321WB-HC	4.1339	8.8583	1.9291	A1321	4.1339	5.3616	1.9291	1321WB-HC*					19000
259	A1321WB-HC-17	4.1339	8.8583	1.9291	A1321-17	4.1339	5.3576	1.9291	1321WB-HC*					19000
	R1321WB-HC	4.1339	8.8583	1.9291	R1321-HC	4.1339	5.3616	1.9291	1321WB-HC					19000
	U1321TS	4.1339	8.8583	1.9291					Non-separable					17200
260	BU1321ZA-HC	4.1339	8.8583	1.9291					BU1321-HC**	1321ZA	7.6191	8.8583	1.9291	19000
	A1322TS	4.3307	9.4488	1.9685	A1322	4.3307	5.7187	1.9685	1322TS*					19200
	A1322WB	4.3307	9.4488	1.9685	A1322	4.3307	5.7187	1.9685	1322WB*					19200
	R1322TS	4.3307	9.4488	1.9685	R1322	4.3307	5.7187	1.9685	1322TS*					19200
	R1322WB	4.3307	9.4488	1.9685	R1322	4.3307	5.7187	1.9685	1322WB*					19200

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

245—Same as R1317YS except internal clearance .0072 - .0088 and standard 7/16 blind hole in O.D.
246—Same as BU1317Z except outer ring width, internal clearance .0045 - .0061 and 7/16 blind hole in O.D.
247—Same as BU1317L except O.D., internal clearance .0053 - .0073 and standard 7/16 blind hole in O.D.
248—Same as BU1317Z except O.D., internal clearance .0053 - .0073 and standard 7/16 blind hole in O.D.
249—Same as 1318WB except I.D., and 7/16 blind hole in O.D.
250—Same as A1318WB except width tolerance.
251—Same as R1318YS except internal clearance .0074 - .0094 and 7/16 blind hole in O.D.
252—Same as BU1318Z except internal clearance .0056 - .0076 and 7/16 blind hole in O.D.
253—Same as BU1318L except I.D., O.D., internal clearance .0056 - .0076 and O.D. snap ring groove.
254—Same as R1318YS except inner ring O.D. chamfer width, internal clearance .0074 - .0094 and 7/16 blind hole in O.D.
255—Same as BU1319Z except internal clearance .0052 - .0072.
256—Same as BU1319 except O.D.
257—Same as R1320WB except internal clearance .0054 - .0075.
258—Same as BU1320Z except outer ring width, internal clearance .0059 - .0080 and 7/16 blind hole in O.D.
259—Same as A1321WB-HC except internal clearance .0074 - .0095.
260—Same as BU1321Z-HC except internal clearance .0061 - .0082 and 7/16 blind hole in O.D.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING (Dimensions for Separable Rings)				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING (Dimensions for Separable Rings)				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
261	R1322WB-CA	4.3307	9.4488	1.9685	R1322	4.3307	5.7187	1.9685	1322WB-CA*					19200
262	R1322WB-16	4.3307	9.4488	1.9685	R1322-16	4.3307	5.7167	1.9685	1322WB*					19200
	R1323WB	4.5276	9.8425	2.0866	R1323	4.5276	5.8867	2.0866	1323WB*					22800
	A1324TS	4.7244	10.2362	2.1654	A1324	4.7244	6.1820	2.1654	1324TS*					22500
	A1324WB	4.7244	10.2362	2.1654	A1324	4.7244	6.1820	2.1654	1324WB*					22500
	R1324TS	4.7244	10.2362	2.1654	R1324	4.7244	6.1820	2.1654	1324TS*					22500
	R1324WB	4.7244	10.2362	2.1654	R1324	4.7244	6.1820	2.1654	1324WB*					22500
	A1326TS	5.1181	11.0236	2.2835	A1326	5.1181	6.7140	2.2835	1326TS*					27000
	A1326WB	5.1181	11.0236	2.2835	A1326	5.1181	6.7140	2.2835	1326WB*					27000
263	A1326WFB	5.1181	11.0236	2.2835	A1326	5.1181	6.7140	2.2835	1326WFB*					27000
264	A1326WFB-15	5.1181	11.0236	2.2835	A1326-15	5.1181	6.7110	2.2835	1326WFB*					27000
265	A1326TKS	5.1181	11.0276	2.2835	A1326	5.1181	6.7140	2.2835	1326TKS*					27000
	R1326TS	5.1181	11.0236	2.2835	R1326	5.1181	6.7140	2.2835	1326TS*					27000
	R1326WB	5.1181	11.0236	2.2835	R1326	5.1181	6.7140	2.2835	1326WB*					27000
	A1328WB	5.5118	11.8110	2.4409	A1328	5.5118	7.1529	2.4409	1328WB*					29500
	R1328WB	5.5118	11.8110	2.4409	R1328	5.5118	7.1529	2.4409	1328WB*					29500
266	R1328WB-15	5.5118	11.8110	2.4409	R1328-15	5.5118	7.1489	2.4409	1328WB*					29500
	1500	1.2957	2.4062	.7500	IR1500	1.2957	1.5774	1.2190	C1500*	OR1500				2100
	1502	1.5308	2.7818	.8750	IR1502	2.7818	1.8745	1.3440	C1502*	OR1502				2500
	C1504	1.7326	2.8352	.6693					C1504*	OR1504				2050
	C1506	1.8287	3.1250	.7480					C1506*	OR1506				2550
	C1509	1.6588	3.1250	.8120					C1509*	OR1509				3550
	C1512	1.8773	2.7818	1.0000					C1512*	OR1512				2950
267	1519TS-23	1.4999	2.4409	1.2500					1519TS-23*					2700
268	A1519TAS	1.1811	2.4409	.9375	A1519	1.1811	1.4985	.9375	1519TAS*					1500
269	A1519TAS-18	1.1802	2.4409	.9375	A1519-18	1.1802	1.4970	1.1875	1519TAS-18*					1500
270	U1519TS	1.1811	2.4409	.9375					Non-separable					1500
271	U1519TS-17	1.1802	2.4409	.9375					Non-separable					1500
272	U1519TAS	1.1811	2.4409	.9375					Non-separable					1500
273	U1519TAS-19	1.1802	2.4409	.9375					Non-separable					1500
274	AD1519TS-15	1.1811	2.4409	1.8750	AD1519	1.1811	1.4985	2.5000	1519TS-15*•					2700
	A1521TAS	.9843	2.0472	.8125	A1521	.9843	1.2664	.8125	1521TAS*					1060
	BU1523Z-V	7.8740	12.2047	2.0079					BU1523-V**	1523Z	11.0608	12.2047	2.2500	29500
	A1524WB-15	7.8740	12.5984	3.5000	A1524-15	7.8740	9.1537	3.5000	1524WB-15					42000
	A1526/1307TM	1.3780	3.1496	.8268	A1526	1.3780	1.8432	1.5625	1307TM*					3450
	A1526/1307TS	1.3780	3.1496	.8268	A1526	1.3780	1.8432	1.5625	1307TS*					2950
	A1527WB	.9843	2.4409	.9650	A1527	.9843	1.3362	1.3125	1527WB*					1920
	A1528/1306TS	1.1811	2.8346	.7480	A1528	1.1811	1.6004	1.4375	1306TS*					2100
	A1528WB	1.1811	2.8346	1.0000	A1528	1.1811	1.6004	1.4375	1528WB*					2100
	1529TS	1.8664	3.2185	.9300					1529TS*					3900
	A1530TS	3.1496	6.6929	1.7500	A1530	3.1496	4.0014	1.7500		1530TS*				13600

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.
• Denotes two roller assemblies.

261—Same as R1322WB except internal clearance .0022 - .0043.
262—Same as R1322WB except internal clearance .0054 - .0075.
263—Same as A1326WB except ½" blind hole in O.D.
264—Same as A1326WB except internal clearance .0071 - .0093 and ½" blind hole in O.D.
265—Same as A1326TS except O.D. and internal clearance .0071 - .0097.
266—Same as R1328WB except internal clearance .0082 - .0108.
267—Double row.
268—Two shields, grease fitting, internal clearance .0014 - .0025.
269—I.R. width 1.1875, two seals, tapped hole in O.D., internal clearance .0029 - .0040.
270—Two seals, internal clearance .0018 - .0027.
271—Same as U1519TS except internal clearance .0030 - .0039.
272—Same as U1519TS except internal clearance .0014 - .0023 and has grease fitting on O.D.
273—Same as U1519TS except I.D., internal clearance .0030 - .0039 and No. 12-36 tapped hole in O.D.
274—Double row, I.R. width 2.500, two seals, internal clearance .0014 - .0025.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING				Capacity 500 RPM 3000 Hrs. B-10
					Dimensions for Separable Rings					Dimensions for Separable Rings				
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
	U1533TM	1.1811	2.4384	.7500					Non-separable					2600
	1535TAS	1.1096	1.8504	.6560					1535TAS*					1300
	U1544TM	.6253	2.0050	.9650					Non-separable					1880
	BU1545LNKF	2.3622	5.1204	1.3125					BU1545**	1545LNKF	4.4305	5.1204	1.1083	7800
	BU1547L	3.5433	7.4803	1.8504					BU1547**	1547L	6.5121	7.4803	1.8504	19400
	BU1547ZKF	3.5433	7.4833	1.8504					BU1547**	1547ZKF	6.5144	7.4833	1.8504	19400
	BU1549	1.1806	2.4397	.6299					BU1549**					2100
	BU1551	2.2795	3.6234	.6690					BU1551**					2600
	1552TS	1.2677	2.0472	1.3750					1552TS*					2250
275	1552TS-15	1.2677	2.0472	1.3120					1552TS-15*					2250
	1554TM	1.1258	1.7500	.7700					1554TM*					2000
	BU1557	1.1806	2.4397	.7480					BU1557**					2950
276	R1560TM-20	1.3125	2.8346	.9449	R1560	1.3125	1.6518	.9449	1560TM-20*	1560T-20				3600
	BU1564Z	2.9528	6.2992	2.6875					BU1564**	1564Z	5.5790	6.2992	2.6875	22500
	BU1565LN	7.0010	11.3750	2.8125					BU1565**	1565LN	10.4675	11.3750	2.5000	35500
	1566TS	2.4016	2.2508	.7700					1566TS*					2350
	BU1568LN	8.2510	12.5000	2.8125					BU1568**	1568LN	11.6245	12.5000	2.5000	37500
277	BU1569ZK-15	3.7740	7.8771	2.6875					BU1569-15**	1569ZK-15	7.0291	7.8771	2.5475	28000
	U1570TM	1.3780	2.8346	.8125					Non-separable					3150
278	1571SK	1.8130	1.3745	.5100					Separate R.A.					1400
279	BU1577L-15	.7874	1.4567	.3543					BU1577-15**	1577L-15	1.3391	1.4567	.3543	680
280	U1578ZJJ	1.3780	2.5591	.6723					Non-separable					2100
281	JRN1579WS	1.5630	2.8760	.7310					Non-separable					2650
	1581TS	1.2359	2.0472	.7650					1581TS-15*					2250
282	BU1583ZF	3.7740	8.3465	2.8750					BU1583**	1583ZF	7.4780	8.3465	2.7340	33000
	1907TS-15	1.5217	2.1654	.3937					1907TS-15*					730
	A1909WB-16	1.7717	2.6772	.4724	A1909-16	1.7717	2.0254	.4724	1909WB-16*					1020
	1921LKF									1921LKF	5.3068	5.7113	.7874	
283	BU1926LKF	5.1181	7.0894	.9449					BU1926**	1926LKF	6.6086	7.0894	.9449	6900
284	BU1956LKF-15	11.0236	14.9655	1.8110					BU1956-17**	1956LKF-15	13.9781	14.9655	1.9380	30500
285	BU1956ZKF-16	11.0236	14.9655	1.8110					BU1956-17**	1956ZKF-16	13.9781	14.9655	1.9380	30500
286	A3140WB-15	7.8740	13.3858	4.4094	A3140-15	7.8740	9.1454	4.4094	3140WB*					72000
287	A3140WB-16	7.8740	13.3858	4.4094	A3140-16	7.8740	9.1454	5.3750	3140WB*					72000
288	A3144WB-15	8.6614	14.5669	4.7244	A3144-15	8.6614	10.1113	5.7500	3144WB*					83000

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

275—Same as 1552TS except width.
276—Same as R1560TM except increased roller crown length and radius, and O.D. corner radius replaced by .025 chamfer.
277—Internal clearance .0057 - .0077.
278—Assembly retained by disposable sleeve.
279—Corners .015 max., internal clearance .0017 - .0025.
280—Inner ring width .7702, side plates retained by separator, pre-lubricated with code "RV" grease.
281—Inner ring width .881, disposable cover, pre-lubricated with code "RV" grease.
282—7/16 blind hole in O.D.
283—Same as BU1926L except O.D., internal clearance .0066 - .0091 and 5/16 blind hole in O.D.
284—Same as BU1956L except outer ring width, O.D., internal clearance .0176 - .0216 and standard 7/16 blind hole in O.D.
285—Same as BU1956Z except outer ring width, O.D., internal clearance .0176 - .0216, and standard 7/16 blind hole in O.D.
286—Same as A3140WB except internal clearance .0312 - .0340.
287—Same as A3140WB except inner ring width, and internal clearance .0312 - .0340.
288—Same as A314WB except inner ring width, and internal clearance .0335 - .0364.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING				Capacity 500 RPM 3000 Hrs.
					Dimensions for Separable Rings					Dimensions for Separable Rings				
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	B-10
289	A3144WB-16	8.6614	14.5669	4.7244	A3144-16	8.6614	10.1113	4.7244	3144WB*					83000
290	A3148WB-15	9.4488	15.7480	5.0394	A3148-15	9.4488	10.9951	6.2500	3148WB*					99000
	5009TS	2.0837	2.9528	.9055					5009TS*					2650
	BU5013L	2.5591	3.9370	1.0236					BU5013**	5013L	3.5646	3.9370	1.0236	4250
	BU5013Z	2.5591	3.9370	1.0236					BU5013**	5013Z	3.5646	3.9370	1.0236	4250
291	BU5017Z-15	2.3615	5.1181	1.3386					BU5017-15**	5017Z	4.6524	5.1181	1.3386	6800
	A5038WB	7.4803	11.4173	2.9528		7.4803	8.5748	2.9528	5038WB*					30000
292	A5044WB-15	8.2677	13.3858	3.7500	A5044-15	8.2677	9.8980	3.7500	5044WB-15*					49000
293	A5044WB-16	8.8750	13.3858	3.7500	A5044-16	8.8750	9.8980	3.7500	5044WB-15*					49000
	A5203TS	.6693	1.5748	.6875	A5203	.6693	.8718	.6875	5203TS*					1180
294	BU5203LNJ	.6693	1.5748	.6875					BU5203**	5203LN	1.3711	1.5748	.5570	1180
	5204TM-15	1.1096	1.8504	.8125					5204TM-15*					1960
295	5204TS-26	1.1096	1.8504	.8125					5204TS-26*					1580
296	5204WBP-18	1.1105	1.8504	.8125					5204WBP-18*					1580
	A5204TS	.7874	1.8504	.8125	A5204	.7874	1.1084	.8125	5204TS*					1580
297	A5204/1204TS	.7874	1.8504	.5512	A5204	.7874	1.1084	.8125	1204TS*					990
	A5204WB	.7874	1.8504	.8125	A5204	.7874	1.1084	.8125	5204WB*					1580
	U5204TM	.7874	1.8504	.8125					Non-separable					1960
	U5204TS	.7874	1.8504	.8125					Non-separable					1580
298	UB5204TM	.7874	1.8504	.8125					Non-separable					1960
	A5205TS	.9843	2.0472	.8125	A5205	.9843	1.2664	.8125	5205TS*					1680
	R5205TS	.9843	2.0472	.8125	R5205	.9843	1.2664	.8125	5205TS*					1680
299	5205YS-26	1.2688	2.0494	.8125					5205YS-26*					1680
	R5205YS	.9843	2.0472	.8125	R5205	.9843	1.2664	.8125	5205YS*					1680
	U5205TM	.9843	2.0472	.8125					Non-separable					2100
300	U5205TM-23	.9843	2.0472	.8125					Non-separable					2100
	U5205TS	.9843	2.0472	.8125					Non-separable					1680
	BU5205	.9843	2.0472	.8125					BU5205**					1680
301	UB5205TM	.9843	2.0472	.8125					Non-separable					2100
302	UB5205YM	.9843	2.0472	.8125					Non-separable					2100
303	A5206-18				A5206-18	1.1811	1.4985	.9375						
	A5206TS	1.1811	2.4409	.9375	A5206	1.1811	1.4985	.9375	5206TS*					2400
304	A5206TKS	1.1811	2.4421	9375	A5206	1.1811	1.4985	.9375	5206TKS*					2400
	A5206TM-HC	1.1811	2.4409	.9375	A5206	1.1811	1.4985	.9375	5206TM-HC*					3150
305	R5206SK-20	1.1811	2.1275	.9375	R5206	1.1811	1.4985	.9375	Separate R.A.					2400
	R5206TS	1.1811	2.4409	.9375	R5206	1.1811	1.4985	.9375	5206TS*					2400
	R5206YS	1.1811	2.4409	.9375	R5206	1.1811	1.4985	.9375	5206YS*					2400
	U5206TM	1.1811	2.4409	.9375					Non-separable					2950
306	U5206TM-22	1.1811	2.8346	.9375					Non-separable					2950
	U5206TS	1.1811	2.4409	.9375					Non-separable					2400
307	U5206YM-16	1.1811	2.4409	.9375					Non-separable					2950
	BU5206Z	1.1811	2.4409	.9375					BU5206**	5206Z	2.1289	2.4409	.9375	2550
308	UB5206TM	1.1811	2.4409	.9375					Non-separable					2950
309	UB5206TM-23	1.1811	2.4384	.9375					Non-separable					2950
310	UB5206YM	1.1811	2.4409	.9375					Non-separable					2950

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

289—Same as A3144WB except internal clearance .0335 - .0364.
290—Same as A3148WB except I.R. width.
291—Same as BU5017Z except I.D.
292—Same as A5044WB except I.D. and width.
293—Special I.D.
294—Same as BU5203L except outer ring width and side plate 5203J added.
295—Pre-lubricated with code "RV" grease.
296—Same as 5204WB except roller assembly I.D. and finishes improved on both ring and rollers.
297—Same as A1204TS except I.R. width.
298—Same as U5204TM except inner ring corner radius .100.
299—Same as 5205YS except O.D., roller assembly I.D., and separator nicarbed.
300—Same as U5205TM except inner ring corner radius .093.
301—Same as U5205TM except inner ring corner radius .125.
302—Same as U5205YM except inner ring corner radius .125.
303—Same as A5206 except has ⅛ radial hole.
304—Same as A5206TS except O.D. and internal clearance .0024 - .0035.
305—Assembly retained by disposable sleeve.
306—Same as U5206TM except O.D. and outer ring width .8825.
307—Same as U5206YM except inner ring corner radius .140.
308—Same as U5206TM except inner ring corner radius .100.
309—Same as UB5206TM except O.D.
310—Same as U5206YM except inner ring corner radius .100.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING				Capacity 500 RPM 3000 Hrs.
					Dimensions for Separable Rings					Dimensions for Separable Rings				
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	B-10
311	5207WGB-18	1.7327	2.8346	1.0625					5207WGB-18*					3350
	A5207TS	1.3780	2.8346	1.0625	A5207	1.3780	1.7311	1.0625	5207TS*					3350
	R5207TS	1.3780	2.8346	1.0625	R5207	1.3780	1.7311	1.0625	5207TS*					3350
	U5207TM	1.3780	2.8346	1.0625					Non-separable					3850
	U5207TS	1.3780	2.8346	1.0625					Non-separable					3350
	U5207YM	1.3780	2.8346	1.0625					Non-separable					3850
312	U5207YAM	1.3780	2.8346	1.0625					Non-separable					3850
313	U5207YAM-17	1.3780	2.8346	1.0625					Non-separable					3850
314	AB5207TS	1.3780	2.8346	1.0625	AB5207	1.3780	1.7309	1.8750	5207TS*					3350
	BU5207	1.3780	2.4579	1.0625					BU5207**					3350
	A5208TS	1.5748	3.1496	1.1875	A5208	1.5748	1.9657	1.1875	5208TS*					4250
	R5208TS	1.5748	3.1496	1.1875	R5208	1.5748	1.9657	1.1875	5208TS*					4250
	U5208TM	1.5748	3.1496	1.1875					Non-separable					4800
	U5208TS	1.5748	3.1496	1.1875					Non-separable					4250
	BU5208Z	1.5748	3.1496	1.1875					BU5208**	5208Z	2.7409	3.1496	1.1875	4250
315	A5209-15				A5209-15	1.7717	2.1858	1.1875						
	A5209TS	1.7717	3.3465	1.1875	A5209	1.7717	2.1858	1.1875	5209TS*					4150
	R5209TS	1.7717	3.3465	1.1875	R5209	1.7717	2.1858	1.1875	5209TS*					4150
	U5209TM	1.7717	3.3465	1.1875					Non-separable					5100
	U5209TS	1.7717	3.3465	1.1875					Non-separable					4150
316	AC5209TS	1.7717	3.3465	1.1875	AC5209	1.7717	2.1856	2.2500	5209TS*					4150
	BU5209L	1.7717	3.3465	1.1875					BU5209**	5209L	2.9523	3.3465	1.1875	4400
317	TA5209TS	1.6875	3.3465	1.1875	30456	1.6875	2.1858	1.7500	5209TS*					4150
318	AB5209TAS	1.7717	3.3465	1.1875					Non-separable					4150
	A5210TS	1.9685	3.5433	1.1875	A5210	1.9685	2.3803	1.1875	5210TS*					4450
319	A5210TS-16	2.0638	3.5433	1.1875	A5210-16	2.0638	2.3803	1.1875	5210TS*					4450
320	A5210TS-17	1.8754	3.5433	1.1875	A5210-17	1.8754	2.3793	2.4375	5210TS*					4450
	R5210TS	1.9685	3.5433	1.1875	R5210	1.9685	2.3803	1.1875	5210TS*					4450
	U5210TM	1.9685	3.5433	1.1875					Non-separable					5300
	U5210TS	1.9685	3.5433	1.1875					Non-separable					4450
	BU5210L-HC	1.9685	3.5433	1.1875					BU5210HC**	5210L-HC	3.1317	3.5433	1.1875	4450
	BU5210Z-HC	1.9685	3.5433	1.1875					BU5210HC**	5210Z-HC	3.1317	3.5433	1.1875	4450
	A5211TS	2.1654	3.9370	1.3125	A5211	2.1654	2.6339	1.3125	5211TS*					5400
321	A5211TFS	2.1654	3.9370	1.3125	A5211	2.1654	2.6339	1.3125	5211TFS*					5400
	A5211WB	2.1654	3.9370	1.3125	A5211	2.1654	2.6339	1.3125	5211WB*					5400
	R5211TS	2.1654	3.9370	1.3125	R5211	2.1654	2.6339	1.3125	5211TS*					5400
	R5211WB	2.1654	3.9370	1.3125	R5211	2.1654	2.6339	1.3125	5211WB*					5400
322	R5211WKB	2.1654	3.9388	1.3125	R5211	2.1654	2.6339	1.3125	5211WKB*					5400
	U5211TM	2.1654	3.9370	1.3125					Non-separable					6400
	U5211TS	2.1654	3.9370	1.3125					Non-separable					5400
323	AB5211TS	2.1654	3.9370	1.3125	AB5211	2.1654	2.6339	2.4375	5211TS*					5400
	BU5211Z	2.1654	3.9370	1.3125					BU5211**	5211Z	3.4653	3.9370	1.3125	5400
324	BU5211LK	2.1654	3.9388	1.3125					BU5211**	5211LK	3.4668	3.9388	1.3125	5400
325	JAN5211WKB	2.1654	3.9388	1.3125	AN5211	2.1654	2.6339	1.0890	5211WKB*					5400
	A5212TS	2.3622	4.3307	1.4375	A5212	2.3622	2.8496	1.4375	5212TS*					7200
	A5212WB	2.3622	4.3307	1.4375	A5212	2.3622	2.8496	1.4375	5212WB*					7200
	A5212/1212WB	2.3622	4.3307	1.4375	A5212	2.3622	2.8496	1.4375	1212WB*					4250
326	A5212TBS	2.3622	4.3307	1.4375	A5212	2.3622	2.8496	1.4375	5212TBS*					7200
327	A5212TFS	2.3622	4.3307	1.4375	A5212	2.3622	2.8496	1.4375	5212TFS*					7200
	R5212TS	2.3622	4.3307	1.4375	R5212	2.3622	2.8496	1.4375	5212TS*					7200
	R5212WB	2.3622	4.3307	1.4375	R5212	2.3622	2.8496	1.4375	5212WB*					7200

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

311—Same as 5207WB except two O.D. grooves.
312—Same as U5207YM except internal clearance .0016 - .0025.
313—Same as U5207YM except inner ring corner radius .156 and internal clearance .0016 - .0025.
314—Same as A5207TS except inner ring width, and internal clearance .0018 - .0029.
315—Same as A5209 except has 1/8 radial hole.
316—Same as A5209TS except inner ring width, and internal clearance .0021 - .0035.
317—Same as A5209TS except I.D., inner ring width and two notches in the inner ring.
318—Same as A5209TS except runouts and wall variation reduced on both rings, and internal clearance .0013 - .0017 —matched bearing.
319—Same as A5210TS except I.D.
320—Same as A5210TS except inner ring width, I.D., I.D. corner radius replaced by .078 chamfer, and internal clearance .0030 - .0044.
321—Same as A5211TS except standard 5/16 blind hole in O.D.
322—Same as R5211WB except O.D., and internal clearance .0037 - .0051.
323—Same as A5211TS except inner ring width.
324—Same as BU5211L except O.D., and internal clearance .0037 - .0051.
325—Same as A5211WB except inner ring width, O.D. internal clearance .0037 - .0051 and side plate J5211 added.
326—Same as A5212TS except internal clearance .0039 - .0055 and 3/8 blind hole in O.D.
327—Same as A5212TS except standard 5/16 blind hole in O.D.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS - Continued

ITEM	COMPLETE BEARING				INNER RING				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING				Capacity 500 RPM 3000 Hrs. B-10
					Dimensions for Separable Rings					Dimensions for Separable Rings				
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
	U5212TM	2.3622	4.3307	1.4375					Non-separable					8000
	U5212TS	2.3622	4.3307	1.4375					Non-separable					7200
328	AB5212TAS	2.3622	4.3307	1.4375					Non-separable					7200
329	BU5212LK	2.3622	4.3329	1.4375					BU5212**	5212LK	3.8506	4.3329	1.4375	7200
330	JRN5212WB	2.3622	4.3307	1.4375	RN5212	2.3622	2.8496	1.2060	5212WB*					7200
	A5213TS	2.5591	4.7244	1.5000	A5213	2.5591	3.1662	1.5000	5213TS*					7500
331	A5213TS-17	2.4383	4.7244	1.5000	A5213-17	2.4383	3.1655	1.8125	5213TS*					7500
332	A5213TS-CA	2.5591	4.7244	1.5000	A5213	2.5591	3.1662	1.5000	5213TS-CA*					7500
	U5213TS	2.5591	4.7244	1.5000					Non-separable					7500
333	U5213TM-15	2.1654	4.7244	1.5000					Non-separable					8400
	BU5213Z	2.5591	4.7244	1.5000					BU5213**	5213Z	4.1655	4.7244	1.5000	7500
	5214L-16									5214L-16	4.3912	4.9213	1.5625	
334	A5214TS	2.7559	4.9213	1.5625	A5214	2.7559	3.3375	1.5625	5214TS*					8700
335	A5214TFS	2.7559	4.9213	1.5625	A5214	2.7559	3.3375	1.5625	5214TFS*					8700
	U5214TM	2.7559	4.9213	1.5625					Non-separable					9800
	U5214TS	2.7559	4.9213	1.5625					Non-separable					8700
336	U5214TFS	2.7559	4.9213	1.5625					Non-separable					8700
	BU5214L	2.7559	4.9213	1.5625					BU5214**	5214L	4.3912	4.9213	1.5625	8700
	BU5214Z	2.7559	4.9213	1.5625					BU5214**	5214Z	4.3912	4.9213	1.5625	8700
337	BU5214ZK	2.7559	4.9236	1.5625					BU5214**	5214ZK	4.3930	4.9236	1.5625	8700
	A5215TS	2.9528	5.1181	1.6250	A5215	2.9528	3.5045	1.6250	5215TS*					9100
338	A5215TFS	2.9528	5.1181	1.6250	A5215	2.9528	3.5045	1.6250	5215TFS**					9100
339	A5215TKS	2.9528	5.1204	1.6250	A5215	2.9528	3.5045	1.6250	5215TKS*					9100
340	A5215TS-CA	2.9528	5.1181	1.6250	A5215	2.9528	3.5045	1.6250	5215TS-CA*					9100
	R5215TS	2.9528	5.1181	1.6250	R5215	2.9528	3.5045	1.6250	5215TS*					9100
	U5215TM	2.9528	5.1181	1.6250					Non-separable					10600
	U5215TS	2.9528	5.1181	1.6250					Non-separable					9100
	BU5215L	2.9528	5.1181	1.6250					BU5215**	5215L	4.5583	5.1181	1.6250	9100
	BU5215Z	2.9528	5.1181	1.6250					BU5215**	5215Z	4.5583	5.1181	1.6250	9100
341	BU5215ZF	2.9528	5.1181	1.6250					BU5215**	5215ZF	4.5583	5.1181	1.6250	9100
	A5216TS	3.1496	5.5118	1.7500	A5216	3.1496	3.7514	1.7500	5216TS*					10600
	A5216WB	3.1496	5.5118	1.7500	A5216	3.1496	3.7514	1.7500	5216WB*					10400
342	A5216WB-17	3.1496	5.5118	1.7500	A5216-17	3.1496	3.7461	2.2500	5216WB*					10400
343	A5216WB-18	3.2510	5.5118	1.7500	A5216-18	3.2510	3.7461	2.2500	5216WB*					10400
344	A5216TFS	3.1496	5.5118	1.7500	A5216	3.1496	3.7514	1.7500	5216TFS*					10600
	A5217TS	3.3465	5.9055	1.9375	A5217	3.3465	4.0160	1.9375	5217TS*					12600
	A5217WB	3.3465	5.9055	1.9375	A5217	3.3465	4.0160	1.9375	5217WB*					12600
345	A5217WB-16	3.3465	5.9055	1.9375	A5217-16	3.3465	4.0107	2.5000	5217WB*					12600
346	A5217TS-18	3.4380	5.9055	1.9375	A5217-18	3.4380	4.0160	1.9375	5217TS*					12600
347	A5217TS-20	3.3465	5.9055	1.9375					Non-separable					12600
348	A5217TFS	3.3465	5.9055	1.9375	A5217	3.3465	4.0160	1.9375	5217TFS*					12600
	U5217TS	3.3465	5.9055	1.9375					Non-separable					12600
349	U5217TFS	3.3465	5.9055	1.9375					Non-separable					12600
	A5218TS	3.5433	6.2992	2.0625	A5218	3.5433	4.2212	2.0625	5218TS*					14400
	A5218WB	3.5433	6.2992	2.0625	A5218	3.5433	4.2212	2.0625	5218WB*					14800
350	A5218WB-16	3.5433	6.2992	2.0625	A5218-16	3.5433	4.2171	2.5000	5218WB*					14800

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

328—Same as A5212TS except runouts and wall variation reduced on both rings, and internal clearance .0015 - .0019 — matched bearing.
329—Same as BU5212L except O.D., and internal clearance .0040 - .0056.
330—Same as R5212WB except inner ring width and side plate J5212 added.
331—Same as A5213TS except inner ring width and I.D., with two notches, and internal clearance .0030 - .0047.
332—Same as A5213TS except internal clearance .0033 - .0050.
333—Same as U5213TM except I.D. and outer ring has 30° bevel on one side.
334—Same as BU5214L except magnetic particle inspection of ring added.
335—Same as A5214TS except standard 5/16 blind hole in O.D.
336—Same as U5214TS except 5/16 blind hole in O.D.
337—Same as BU5214Z except O.D. and internal clearance .0045 - .0062.
338—Same as A5215TS except standard 5/16 blind hole in O.D.
339—Same as A5215TS except O.D. and internal clearance .0046 - .0063.
340—Same as A5215TS except internal clearance .0036 - .0053.
341—Same as BU5215Z except standard 5/16 blind hole in O.D.
342—Same as A5216WB except inner ring width and internal clearance .0081 - .0100.
343—Same as A5216WB except inner ring width with one notch, I.D., and internal clearance .0081 - .0100.
344—Same as A5216TS except standard 3/8 blind hole in O.D.
345—Same as A5217WB except inner ring width and internal clearance .0086 - .0102.
346—Same as A5217TS except I.D.
347—Same as A5217TS except matched bearing, internal clearance .0041 - .0049.
348—Same as A5217TS except standard 3/8 blind hole in O.D.
349—Same as U5217TS except 3/8 blind hole in O.D.
350—Same as A5218WB except inner ring width and internal clearance .0075 - .0091.

New Departure Hyatt
ROLLER BEARING DIMENSIONAL DATA

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs.
	Part No.	I.D.	O.D	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	B-10
351	A5218WB-17	3.5008	6.2992	2.0625	A5218-17	3.5008	4.2153	2.5000	5218WB*					14800
352	A5218TFS	3.5433	6.2992	2.0625	A5218	3.5433	4.2212	2.0625	5218TFS*					14400
	U5218TS	3.5433	6.2992	2.0625					Non-separable					14400
353	BU5218ZF	3.5433	6.2992	2.0625					BU5218**	5218ZF	5.5980	6.2992	2.0625	14800
354	TA5218TS	3.4375	6.2992	2.0625	30465	3.4375	4.2212	3.5000	5218TS*					14400
	A5219TS	3.7402	6.6929	2.1875	A5219	3.7402	4.4692	2.1875	5219TS*					16400
355	A5219TFS	3.7402	6.6929	2.1875	A5219	3.7402	4.4692	2.1875	5219TFS*					16400
	A5219WB	3.7402	6.6929	2.1875	A5219	3.7402	4.4692	2.1875	5219WB*					17000
356	A5219WB-15	3.7402	6.6929	2.1875	A5219-15	3.7402	4.4626	2.7500	5219WB*					17000
357	A5219WB-20	3.7402	6.6929	2.1875	A5219-20	3.7402	4.4626	2.1875	5219WB*					17000
	BU5219Z	3.7402	6.6929	2.1875					BU5219**	5219Z	5.9544	6.6929	2.1875	17000
	A5220TS	3.9370	7.0866	2.3750	A5220	3.9370	4.7640	2.3750	5220TS*					19200
	A5220WB	3.9370	7.0866	2.3750	A5220	3.9370	4.7640	2.3750	5220WB*					19200
358	A5220WB-15	3.9370	7.0866	2.3750	A5220-15	3.9370	4.7567	3.0000	5220WB*					19200
359	A5220WB-17	3.7500	7.0866	2.3750	A5220-17	3.7500	4.7567	4.2500	5220WB-17*					19200
360	A5220TFS	3.9370	7.0866	2.3750	A5220	3.9370	4.7640	2.3750	5220TFS*					19200
361	A5220TS-CA	3.9370	7.0866	2.3750	A5220	3.9370	4.7640	2.3750	5220TS-CA*					19200
	R5220WB	3.9370	7.0866	2.3750	R5220	3.9370	4.7640	2.3750	5220WB*					19200
	U5220TM	3.9370	7.0866	2.3750					Non-separable					21000
	U5220TS	3.9370	7.0866	2.3750					Non-separable					19200
	A5220/1220TS	3.9370	7.0866	1.3386	A5220	3.9370	4.7640	2.3750	1220TS*					10800
362	TXA5220WB-17	4.0008	7.0866	2.3750	30099	4.0008	4.7567	3.0000	5220WB-17*					19200
	A5221TS	4.1339	7.4803	2.5625	A5221	4.1339	4.9811	2.5625	5221TS*					21500
	A5222TS	4.3307	7.8740	2.7500	A5222	4.3307	5.2343	2.7500	5222TS*					21000
363	A5222TS-CA	4.3307	7.8740	2.7500	A5222	4.3307	5.2343	2.7500	5222TS-CA*					21000
364	A5222TS-15	4.3307	7.8740	2.7500	A5222	4.3307	5.2343	2.7500	5222TS-15*					21000
	A5222WB	4.3307	7.8740	2.7500	A5222	4.3307	5.2343	2.7500	5222WB*					22000
365	A5222TS-20	4.3307	7.8740	2.7500					Non-separable					21000
366	A5222WB-16	4.3307	7.8740	2.7500	A5222-16	4.3307	5.2262	3.2500	5222WB*					22000
367	A5222WB-18	4.5008	7.8740	2.7500	A5222-18	4.5008	5.2262	3.2500	5222WB*					22000
368	A5222WB-19	4.3307	7.8740	2.7500	A5222-19	4.3307	5.2262	2.7500	5222WB*					22000
	U5222TS	4.3307	7.8740	2.7500					Non-separable					21000
	BU5222Z	4.3307	7.8740	2.7500					BU5222**	5222Z	6.9367	7.8740	2.7500	22000
369	BU5222Z-17	4.3307	7.8740	2.7500					BU5222**	5222Z-17	6.9448	7.8740	3.2500	22000
	A5224TS	4.7244	8.4646	3.0000	A5224	4.7244	5.7141	3.0000	5224TS*					27000
370	A5224TS-19	4.7244	8.4646	3.0000	A5224	4.7244	5.7141	3.0000	5224TS-19*					30500
	A5224WB	4.7244	8.4646	3.0000	A5224	4.7244	5.7141	3.0000	5224WB*					29000
371	A5224WB-15	4.7244	8.4646	3.0000	A5224-15	4.7244	5.7053	3.5000	5224WB*					29000
372	A5224WB-16	4.7508	8.4646	3.0000	A5224-16	4.7508	5.7053	3.5000	5224WB*					29000
	A5226TS	5.1181	9.0551	3.1250	A5226	5.1181	6.1013	3.1250	5226TS*					27500
	A5226WB	5.1181	9.0551	3.1250	A5226	5.1181	6.1013	3.1250	5226WB*					34000
373	A5226WB-16	5.1181	9.0551	3.1250	A5226-16	5.1181	6.0918	3.6250	5226WB*					34000
374	A5226WB-17	5.1260	9.0551	3.1250	A5226-17	5.1260	6.0918	3.6250	5226WB*					34000

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

351—Same as A5218WB except inner ring width, with one notch, I.D., and internal clearance .0093 - .0109.
352—Same as A5218TS except standard 7/16 blind hole in O.D.
353—Same as BU5218Z except standard 7/16 blind hole in O.D.
354—Same as A5218TS except I.D. and inner ring width with two notches.
355—Same as A5219TS except 7/16 blind hole in O.D.
356—Same as A5219WB except inner ring width and internal clearance .0100 - .0116.
357—Same as A5219WB except internal clearance .0100 - .0116.
358—Same as A5220WB except inner ring width and internal clearance .0108 - .0124.
359—Same as A5220WB except inner ring width internal clearance .0108 - .0124 and one 7/16 oil hole in outer ring.
360—Same as A5220TS except standard 7/16 blind hole in O.D.
361—Same as A5220TS except internal clearance .0043 - .0059.
362—Same as A5220WB except I.D., inner ring width, internal clearance .0108 - .0124, single notch I.R., and 7/16 thru hole in O.D.
363—Same as A5222TS except internal clearance .0048 - .0073.
364—Same as A5222TS except two 3/8 oil holes in outer ring.
365—Same as A5222TS except matched bearing, internal clearance .0045 - .0053.
366—Same as A5222WB except inner ring width and internal clearance .0117 - .0142.
367—Same as A5222WB except I.D., inner ring width, single notch I.R. and internal clearance .0117 - .0142.
368—Same as A5222WB except internal clearance .0117 - .0142.
369—Same as BU5222Z except outer ring width and internal clearance .0117 - .0142.
370—Same as A5224TS except 9/16 hole thru outer ring, internal clearance .0037 - .0054.
371—Same as A5224WB except inner ring width and internal clearance .0125 - .0142.
372—Same as A5224WB except inner ring width with one notch, I.D., and internal clearance .0125 - .0142.
373—Same as A5226WB except inner ring width and internal clearance .0138 - .0160.
374—Same as A5226WB except inner ring width with one notch, I.D., and internal clearance .0138 - .0160.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING				Capacity 500 RPM 3000 Hrs. B-10
					Dimensions for Separable Rings					Dimensions for Separable Rings				
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
375	A5226WB-23	5.1181	9.0551	3.1250	A5226-23	5.1181	6.0918	3.1250	5226WB*					34000
376	A5226TS-CA	5.1181	9.0551	3.1250	A5226	5.1181	6.1013	3.1250	5226TS-CA*					27500
377	A5226TS-15	5.1181	9.0551	3.1250	A5226	5.1181	6.1013	3.1250	5226TS-15*					27500
378	A5226TS-24	5.1260	9.0551	3.1250	A5226-17	5.1260	6.0918	3.6250	5226TS-15*					34000
	R5226TS	5.1181	9.0551	3.1250	R5226	5.1181	6.1013	3.1250	5226TS*					34000
	A5228TS	5.5118	9.8425	3.2500	A5228	5.5118	6.6323	3.2500	5228TS*					34000
	A5228WB	5.5118	9.8425	3.2500	A5228	5.5118	6.6323	3.2500	5228WB*					37500
379	A5228WB-15	5.5118	9.8425	3.2500	A5228-15	5.5118	6.6220	3.7500	5228WB*					37500
380	A5228WB-17	5.5118	9.8425	3.2500	A5228-17	5.5118	6.6220	3.2500	5228WB*					37500
	A5230TS	5.9055	10.6299	3.5000	A5230	5.9055	7.1474	3.5000	5230TS*					39500
	A5230WB	5.9055	10.6299	3.5000	A5230	5.9055	7.1474	3.5000	5230WB*					44000
381	A5230WB-16	5.9385	10.6299	3.5000	A5230-16	5.9385	7.1358	4.1250	5230WB*					44000
382	A5230WB-17	5.9055	10.6299	3.5000	A5230-17	5.9055	7.1358	4.1250	5230WB*					44000
383	A5230WB-20	5.9055	10.6299	3.5000	A5230-20	5.9055	7.1358	3.5000	5230WB*					44000
384	A5230TS-CA	5.9055	10.6299	3.5000	A5230	5.9055	7.1474	3.5000	5230TS-CA*					39500
385	A5230TS-15	5.9055	10.6299	3.5000	A5230-15	5.9055	7.1474	3.5000	5230TS*					39500
	U5230TM	5.9055	10.6299	3.5000					Non-separable					44500
	U5230TS	5.9055	10.6299	3.5000					Non-separable					39500
	A5232TS	6.2992	11.4173	3.8750	A5232	6.2992	7.6234	3.8750	5232TS*					44500
	A5232WB	6.2992	11.4173	3.8750	A5232	6.2992	7.6234	3.8750	5232WB*					51000
386	A5232WB-15	6.2992	11.4173	3.8750	A5232-15	6.2992	7.6106	4.5000	5232WB*					51000
387	A5232WB-16	6.0010	11.4173	3.8750	A5232-16	6.0010	7.6106	4.5000	5232WB*					51000
388	A5232WB-18	6.2992	11.4173	3.8750	A5232-18	6.2992	7.6106	3.8750	5232WB*					51000
	A5234TS	6.6929	12.2047	4.1250	A5234	6.6929	8.0899	4.1250	5234TS*					53000
	A5234WB	6.6929	12.2047	4.1250	A5234	6.6929	8.0899	4.1250	5234WB*					61000
389	A5234TS-CA	6.6929	12.2047	4.1250	A5234	6.6929	8.0899	4.1250	5234TS-CA*					53000
390	AB5234TS	7.0005	12.2047	4.1250	AB5234	7.0005	8.0899	5.0000	5234TS*					53000
391	AB5234WB	7.0005	12.2047	4.1250	AB5234	7.0005	8.0899	5.0000	5234WB*					61000
	A5236TS	7.0866	12.5984	4.2500	A5236	7.0866	8.5153	4.2500	5236TS*					49000
	A5236WB	7.0866	12.5984	4.2500	A5236	7.0866	8.5153	4.2500	5236WB*					65000
392	A5236WB-17	7.0010	12.5984	4.2500	A5236-17	7.0010	8.4938	5.0000	5236WB*					65000
393	A5236WB-19	7.0866	12.5984	4.2500	A5236-19	7.0866	8.4938	5.0000	5236WB*					65000
394	A5236WB-25	7.0866	12.5984	4.2500	A5236-25	7.0866	8.4938	4.2500	5236WB*					65000
	A5238TS	7.4803	13.3858	4.5000	A5238	7.4803	9.0131	4.5000	5238TS*					61000
	A5238WB	7.4803	13.3858	4.5000	A5238	7.4803	9.0131	4.5000	5238WB*					73000
395	A5238WB-15	7.4803	13.3858	4.5000	A5238-15	7.4803	8.9900	5.2500	5238WB*					73000
396	A5238WB-16	7.4803	13.3858	4.5000	A5238-16	7.4803	8.9900	4.5000	5238WB*					73000
	A5240TS	7.8740	14.1732	4.7500	A5240	7.8740	9.5353	4.7500	5240TS*					68000
397	A5240TS-18	7.8740	14.1732	4.7500	A5240	7.8740	9.5353	4.7500	5240TS-18*					68000
398	A5240TS-20	7.8740	14.1732	4.7500	A5240	7.8740	9.5353	4.7500	5240TS-20*					81000
	A5240WB	7.8740	14.1732	4.7500	A5240	7.8740	9.5353	4.7500	5240WB*					81000
399	A5240WB-17	7.8740	14.1732	4.7500	A5240-17	7.8740	9.5107	5.7500	5240WB*					81000
400	A5240WB-19	7.8740	14.1732	4.7500	A5240-19	7.8740	9.5107	4.7500	5240WB*					81000
401	BU5244Z-15	8.6614	15.7480	5.2500					BU5244**	5244Z-15	14.1475	15.7480	5.2500	96000

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

375—Same as A5226WB except internal clearance .0138 - .0160.
376—Same as A5226TS except internal clearance .0051 - .0069.
377—Same as A5226TS except two ⅜ oil holes in outer ring.
378—Same as A5226TS except I.D., I.R. width, one I.R. notch, two ⅜ thru holes in O.R., and internal clearance .0138 - .0156.
379—Same as A5228WB except inner ring width and internal clearance .0147 - .0169.
380—Same as A5228WB except internal clearance .0147 - .0169.
381—Same as A5230WB except inner ring width with one notch, I.D., and internal clearance .0166 - .0188.
382—Same as A5230WB except inner ring width and internal clearance .0166 - .0188.
383—Same as A5230WB except internal clearance .0166 - .0188.
384—Same as A5230TS except internal clearance .0062 - .0084.
385—Same as A5230TS except internal clearance .0150 - .0172.
386—Same as A5232WB except inner ring width and internal clearance .0180 - .0203.
387—Same as A5232WB except inner ring width, with one notch, I.D., and internal clearance .0180 - .0203.
388—Same as A5232WB except internal clearance .0180 - .0203.
389—Same as A5234TS except internal clearance .0071 - .0095.
390—Same as A5234TS except I.D. and inner ring width.
391—Same as A5234WB except inner ring width and I.D.
392—Same as A5236WB except inner ring width, I.D., and internal clearance .0270 - .0293.
393—Same as A5236WB except inner ring width and internal clearance .0270 - .0293.
394—Same as A5236WB except internal clearance .0270 - .0293.
395—Same as A5238WB except inner ring width and internal clearance .0292 - .0320.
396—Same as A5238WB except internal clearance .0292 - .0320.
397—Same as A5240TS except two ½" oil holes in outer ring.
398—Same as A5240TS except O.D. has center groove ⅝ wide containing two ½" radial holes thru O.R.
399—Same as A5240WB except inner ring width and internal clearance .0309 - .0337.
400—Same as A5240WB except internal clearance .0309 - .0337.
401—Same as BU5244Z except internal clearance .0160 - .0189.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
	A5248WB	9.4488	17.3228	5.7500	A5248	9.4488	11.4640	5.7500	5248WB*					120000
402	A5248WB-16	9.4488	17.3228	5.7500	A5248-16	9.4488	11.4351	7.0000	5248WB*					120000
	A5303				A5303	.6693	.9797	.8750						
	A5304TS	.7874	2.0472	.8750	A5304	.7874	1.1005	.8750	5304TS*					2100
403	A5304TKS	.7874	2.0482	.8750	A5304	.7874	1.1005	.8750	5304TKS					2100
	5305TM	1.3388	2.4409	1.0000					5305TM*					3350
	A5305TS	.9843	2.4409	1.0000	A5305	.9843	1.3375	1.0000	5305TS*					2900
	A5306TS	1.1811	2.8346	1.1875	A5306	1.1811	1.6016	1.1875	5306TS*					3350
	A5307TS	1.3780	3.1496	1.3750	A5307	1.3780	1.8442	1.3750	5307TS*					4450
	A5307WB	1.3780	3.1496	1.3750	A5307	1.3780	1.8442	1.3750	5307WB*					4450
404	A5307TKS	1.3780	3.1510	1.3750	A5307	1.3780	1.8442	1.3750	5307TKS*					4450
	U5307TM	1.3780	3.1496	1.3750					Non-separable					5200
	U5307TS	1.3780	3.1496	1.3750					Non-separable					4450
	BU5307	1.3780	2.6734	1.3750					BU5307**					4450
405	AB5308				AB5308	1.5748	2.0590	1.4375						
	A5308TS	1.5748	3.5433	1.4375	A5308	1.5748	2.0590	1.4375	5308TS*					5900
	U5308TM	1.5748	3.5433	1.4375					Non-separable					6600
	U5308TS	1.5748	3.5433	1.4375					Non-separable					5900
	BU5308L	1.5748	3.5433	1.4375					BU5308**	5308L	3.0576	3.5433	1.4375	5900
406	BU5308-17	1.5748	3.0560	1.2750					BU5308-17**					5900
	A5309TS	1.7717	3.9370	1.5625	A5309	1.7717	2.3371	1.5625	5309TS*					6900
	U5309TM	1.7717	3.9370	1.5625					Non-separable					8000
	U5309TS	1.7717	3.9370	1.5625					Non-separable					6900
	5310TM	2.5667	4.3307	1.7500					5310TM*					9500
	A5310TS	1.9685	4.3307	1.7500	A5310	1.9685	2.5648	1.7500	5310TS*					8100
	A5310WB	1.9685	4.3307	1.7500	A5310	1.9685	2.5648	1.7500	5310WB*					8600
	R5310TS	1.9685	4.3307	1.7500	R5310	1.9685	2.5648	1.7500	5310TS*					8100
	R5310WB	1.9685	4.3307	1.7500	R5310	1.9685	2.5648	1.7500	5310WB*					8600
	A5311TS	2.1654	4.7244	1.9375	A5311	2.1654	2.8123	1.9375	5311TS*					10000
	BU5311Z	2.1654	4.7244	1.9375					BU5311**	5311Z	4.0790	4.7244	1.9375	10600
	A5312TS	2.3622	5.1181	2.1250	A5312	2.3622	3.0532	2.1250	5312TS*					12000
407	A5312WB-15	2.3622	5.1181	2.1250	A5312-15	2.3622	3.0532	2.1250	5312WB-15*					12800
408	A5312TFS	2.3622	5.1181	2.1250	A5312	2.3622	3.0532	2.1250	5312TFS*					12000
	A5313TS	2.5591	5.5118	2.3125	A5313	2.5591	3.2943	2.3125	5313TS*					14400
	A5314TS	2.7559	5.9055	2.5000	A5314	2.7559	3.5115	2.5000	5314TS*					15000
409	A5314TFS	2.7559	5.9055	2.5000	A5314	2.7559	3.5115	2.5000	5314TFS*					15000
	A5315TS	2.9528	6.2992	2.6875	A5315	2.9528	3.7764	2.6875	5315TS*					19600
	A5315WB-HC	2.9528	6.2992	2.6875	A5315	2.9528	3.7764	2.6875	5315WB-HC*					19600
410	AC5315TS	2.9528	6.2992	2.6875	AC5315	2.9528	3.7764	2.6875	5315TS*					19600
	A5316TS	3.1496	6.6929	2.6875	A5316	3.1496	4.0014	2.6875	5316TS*					20000
	A5317TS	3.3465	7.0866	2.8750	A5317	3.3465	4.2725	2.8750	5317TS*					24000
	A5318TS	3.5433	7.4803	2.8750	A5318	3.5433	4.4894	2.8750	5318TS*					25000
	A5318WB	3.5433	7.4803	2.8750	A5318	3.5433	4.4894	2.8750	5318WB*					24500

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

402—Same as A5248WB except inner ring width and internal clearance .0360 - .0389.
403—Same as A5304TS except O.D. and internal clearance .0021 - .0032.
404—Same as A5307TS except O.D. and internal clearance .0027 - .0038.
405—Same as A5308 except large O.D. chamfers.
406—Same as BU5308 except width.
407—Same as A5312WB except width tolerance.
408—Same as A5312TS except standard 3/8 blind hole in O.D.
409—Same as A5314TS except standard 7/16 blind hole in O.D.
410—Same as A5315TS except closer inner ring runout.

NUMERICAL LIST OF NDH METRIC HY-ROLL SOLID ROLLER RADIAL BEARINGS - Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
411	A5318WB-15	3.5433	7.4803	2.8750	A5318-15	3.5433	4.4894	2.8750	5318WB-15*					27500
	A5318WB-17	3.5433	7.4803	2.8750	A5318-17	3.5433	4.4882	2.8750	5318WB					27500
	A5319TS	3.7402	7.8740	3.0625	A5319	3.7402	4.8092	3.0625	5319TS*					24500
	A5320TS	3.9370	8.4646	3.2500	A5320	3.9370	5.1246	3.2500	5320TS*					29500
412	A5320TFS	3.9370	8.4646	3.2500	A5320	3.9370	5.1246	3.2500	5320TFS*					29500
	A5321TS	4.1339	8.8583	3.4375	A5321	4.1339	5.3616	3.4375	5321TS*					31000
	A5322TS	4.3307	9.4488	3.6250	A5322	4.3307	5.7187	3.6250	5322TS*					36000
413	A5332TS-15	4.3307	9.4488	3.6250	A5322-15	4.3307	5.7167	3.6250	5322TS*					36000
	A5324TS	4.7244	10.2362	4.1250	A5324	4.7244	6.1820	4.1250	5324TS*					45000
	A5324WB	4.7244	10.2362	4.1250	A5324	4.7244	6.1820	4.1250	5324WB*					45000
414	A5324WB-15	4.7244	10.2362	4.1250	A5324-15	4.7244	6.1820	4.1250	5324WB-15*					45000
	A6204				A6204	.7874	1.1082	1.6250						
	A6205TS	.9843	2.0472	1.6250	A6205	.9843	1.2662	1.6250	6205TS*					3000
	A6206TS	1.1811	2.4409	1.8750	A6206	1.1811	1.4983	1.8750	6206TS*					4350
	A6207TS	1.3780	2.8346	2.1250	A6207	1.3780	1.7309	2.1250	6207TS*					6000
	A6208TS	1.5748	3.1496	2.3750	A6208	1.5748	1.9655	2.3750	6208TS*					7700
	A6210TS	1.9685	3.5433	2.3750	A6210	1.9685	2.3800	2.3750	6210TS*					8000
	A6212TS	2.3622	4.3307	2.8750	A6212	2.3622	2.8493	2.8750	6212TS*					13000
	A6214TS	2.7559	4.9213	3.1250	A6214	2.7559	3.3371	3.1250	6214TS*					15600
	A6216TS	3.1496	5.5118	3.5000	A6216	3.1496	3.7510	3.5000	6216TS*					19200
	A6216/5216TS	3.1496	5.5118	1.7500	A6216	3.1496	3.7510	3.5000	5216TS*					10600
	A6219TS	3.7402	6.6929	4.3750	A6219	3.7402	4.4687	4.3750	6219TS*					29500
	A6220TS	3.9370	7.0866	4.7500	A6220	3.9370	4.7634	4.7500	6220TS*					34500
	A6224TS	4.7244	8.4646	6.0000	A6224	4.7244	5.7134	6.0000	6224TS*					48500
	A6230TS	5.9055	10.6299	7.0000	A6230	5.9055	7.1466	7.0000	6230TS*					71000
	A6232TS	6.2992	11.4173	7.7500	A6232	6.2992	7.6225	7.7500	6232TS*					80000
	A6236TS	7.0866	12.5984	8.5000	A6236	7.0866	8.5143	8.5000	6236TS*					88000
	7306TM	1.6029	2.8346	9055					7306TM*					3500
	A7306TS	1.1811	2.8346	.9055	A7306	1.1811	1.6016	.9055	7306TS*					2950
415	A7307/1307TKS	1.3780	3.1510	.8268	A7307	1.3780	1.8442	1.0236	1307TKS*					2950
416	R7308WKB	1.5748	3.5449	1.1811	R7308	1.5748	2.0590	1.1811	7308WKB*					5300
417	R7308WKB-16	1.6730	3.5449	1.1811	R7308-16	1.6730	2.0585	1.1811	7308WKB*					5300
418	R7309WKFB	1.7717	3.9388	1.2205	R7309	1.7717	2.3371	1.2205	7309WKFB*					6000
419	R7313WKFB-15	2.5591	5.5141	1.5748	R7313-15	2.5591	3.2936	1.5748	7313WKFB-15*					11000
420	BU7313ZF-15	2.5591	5.5118	1.5748					BU7313**	7313ZF-15	4.7802	5.5118	1.6535	11000
421	BU7313LKG	2.5591	5.5141	1.5748					BU7313**	7313LKG	4.7800	5.5141	1.5748	11000
	R7315-18				R7315-18	2.9516	3.7746	1.8110						
422	R7315WKFB	2.9528	6.3020	1.8110	R7315	2.9528	3.7764	1.8110	7315WKFB*					13400

*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

411—Same as A5318WB except width tolerance.
412—Same as A5320TS except standard $^{7}/_{16}$ blind hole in O.D.
413—Same as A5322TS except internal clearance .0054 - .0075.
414—Same as A5324WB except width tolerance.
415—Same as A1307TS except inner ring width, O.D. and internal clearance .0027 - .0038.
416—Same as R7308WB except O.D. and internal clearance .0030 - .0041.
417—Same as R7308WB except O.D., I.D. and internal clearance .0035 - .0046.
418—Same as R7309WB except O.D., internal clearance .0033 - .0047 and standard $^{15}/_{16}$ blind hole in O.D.
419—Same as R7313WB except inner ring O.D., O.D. internal clearance .0068 - .0085 and $^{7}/_{16}$ blind hole in O.D.
420—Same as BU7313Z except outer ring width, internal clearance .0041 - .0052 and $^{7}/_{16}$ blind hole in O.D.
421—Same as BU7313L except O.D., internal clearance .0041 - .0058, and standard O.D. groove.
422—Same as R7315WB except O.D. internal clearance .0048 - .0066 and standard $^{7}/_{16}$ blind hole in O.D.

NUMERICAL LIST OF NDH METRIC LOADSTAR SOLID ROLLER RADIAL BEARINGS -Continued

ITEM	COMPLETE BEARING				INNER RING Dimensions for Separable Rings				ROLLER AND RING ASSEMBLY PART NO.	OUTER RING Dimensions for Separable Rings				Capacity 500 RPM 3000 Hrs. B-10
	Part No.	I.D.	O.D.	Width	Part No.	I.D.	O.D.	Width		Part No.	I.D.	O.D.	Width	
423	**BU61014LK**	2.7559	4.3329	.7874					**BU61014****	**61014LK**	4.0199	4.3329	.7874	4500
424	**BU61019LK**	3.7402	5.7113	.9449					**BU61019****	**61019LK**	5.3118	5.7113	.9449	7100
425	**BU61036Z-17**	7.0866	11.0276	1.8110					**BU1036-17****	**61036Z-16**	10.2429	11.0276	2.0600	25500
	JRN61213WB	2.5591	4.7244	.9055	**RN61213**	2.5591	3.0660	.7660	**61213WB***					6000
426	**BU61924LK**	4.7244	6.4989	.8661					**BU61924****	**61924LK**	6.1272	6.4989	.8661	6700
	67210WB	2.3367	3.5433	.7874					**67210WB***					4650
427	**67210WGB**	2.3367	3.5433	.7874					**67210WGB***					4650
428	**R67210-15**				**R67210-15**	1.9685	2.3345	9700						
429	**R67220WKFB-19**	3.9365	7.0894	1.6142	**R67220-19**	3.9365	4.5978	1.6142	**67220WKFB***					16200
430	**BU67220-15**								**BU67220-15****					16200
431	**BU67221ZK-16**	3.5433	7.4833	1.6929					**BU67221-16****	**67221ZK-16**	6.8086	7.4833	1.8504	17800
432	**BU67314LKF**	2.7559	5.9081	1.6929					**BU67314****	**67314LKF**	5.3222	5.9081	1.6929	14800
433	**67320LNKF**									**67320LNKF**	7.6327	8.4680	2.1020	
434	**BU67320LKF**	3.9370	8.4680	2.3622					**BU67320****	**67320LKF**	7.6327	8.4680	2.3622	29000
435	**TSA710036T** +	8.6250	13.3750	6.5000	**30079**	8.6250	9.9914	6.5000	**RA710036T**	**OR710036**	12.0000	13.3750	4.5000	52000
436	**711040** +	9.5000	14.7500	5.0000	**IR711040**	9.5000	10.9864	5.0000	**RA711040**	**OR711040**	13.2500	14.7500	5.0000	66000
437	**S712044** +	10.5000	16.0000	7.2500	**SIR712044**	10.5000	11.9897	7.2500	**RA712044**	**OR712044**	14.5000	16.0000	5.5000	79000

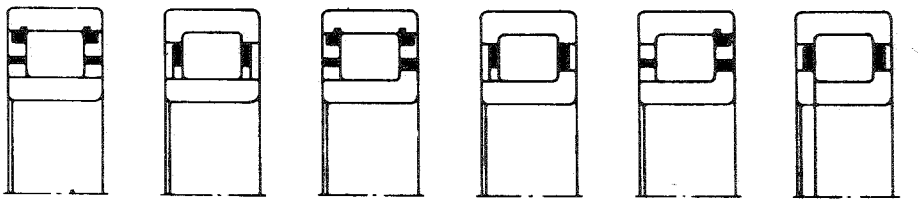
*Rollers assembled with outer ring.
**Rollers assembled with inner ring.

423—Same as BU61014L except O.D. and internal clearance .0048 - .065.
424—Same as BU61019 except O.D. and internal clearance .0060 - .0080.
425—Same as BU61036Z except O.D., width of outer ring, outer ring corner radius .100, inner ring radius .205 internal clearance .0124 - .0147 and 7/16 blind hole in O.D.
426—Same as BU61924L except O.D. and internal clearance .0064 - .0089.
427—Same as 67210WB except O.D. snap ring groove.
428—Same as R67210 except width.
429—Same as R67220WB except I.D., O.D., internal clearance .0082 - .0098 and 7/16 blind hole in O.D.
430—Same as BU67220 except I.D.
431—Same as BU67221Z except O.D., outer ring width, internal clearance .0063 - .0080 and 7/16 blind hole in O.D.
432—Same as BU67314L except O.D., internal clearance .0049 - .0066 and 7/16 blind hole in O.D.
433—Same as 67320L except width, O.D., I.D., and 7/16 blind hole in O.D.
434—Same as BU67320L except O.D., internal clearance .0063 - .0084 and 7/16 blind hole in O.D.
435—Separable cylindrical roller bearing ½" hole in O.R., I.R. notch.
436—Separable cylindrical roller bearing - ½" hole in O.R.
437—Separable cylindrical roller bearing - ½" hole in O.R.
+ Not in Loadstar line.

METRIC CYLINDRICAL ROLLER BEARINGS

BASIC NUMBER CHARACTERISTICS

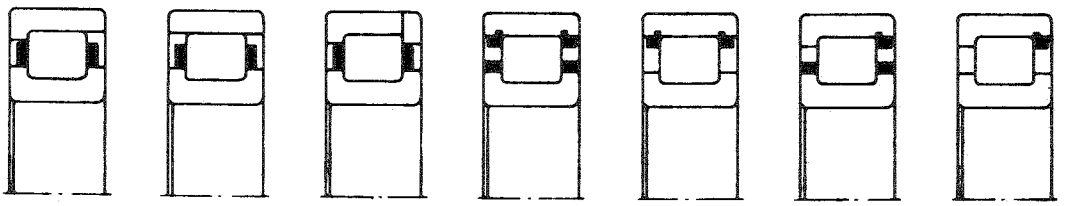
SEPARABLE INNER RING TYPE BEARINGS



NDH	A - - - - TS	A - - - - WB	R - - - - TS	R - - - - WB	R - - - - YS	JRN - - - - WB
AFBMA	- - RM - -	- - RU - -	- - RR - -	- - RJ - -	- - RS - -	- - RT - -
BOWER	MA - - - TV	MA - - - - EL	MR - - - TV	MR - - - - EL	MR - - - UV	MSN - - - EL
ROLLWAY	E - - - - B	E - - - - U	L - - - - B	L - - - - U	L - - - - J	LP - - - - U
R B C OF A	A - - - - TS	A - - - - WB	R - - - - TS	R - - - - WB	R - - - - YS	
AETNA	L - - - - PR	L - - - - KR	M - - - - PR	M - - - - KR	M - - - - NR	MTW - - - KR

SEPARABLE OUTER RING TYPE BEARINGS

NON-SEPARABLE TYPE BEARINGS



NDH	BU - - - - L	BU - - - - Z	BU - - - - LNJ	U - - - - TS	U - - - - TM	U - - - - YS	U - - - - YM
AFBMA	- - RF - -	- - RN - -	- - RP - -	- - RK - -	- - RK - - V	- - RY - -	- - RY - - V
BOWER	MU - - - - DL	MU - - - - CL	MU - - - - SNL	MU - - - TV	MU - - - - TM	MU - - - - UV	MU - - - UM
ROLLWAY	U - - - - L	U - - - - E	U - - - - LP	U - - - - B	UM - - - - B	U - - - - J	UM - - - - J
R B C OF A	BU - - - - L	BU - - - - Z	BU - - - LNJ	U - - - - TS	U - - - - TM	U - - - - YS	U - - - - YM
AETNA	RK - - - - M	RK - - - - L	RK - - - MTW	K - - - - PR	K - - - - P	K - - - - NR	K - - - - N

NDH WOUND HY-ROLL BEARINGS

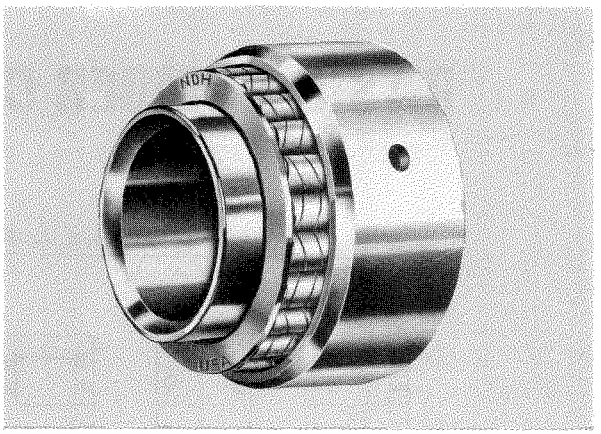
Wound Hy-Roll Bearings are made in two basic types:

1. Solid Ring Bearings

   Solid Outer and Inner Rings (Plain or Notched) and full roller complement type roller assemblies. All component parts separable.

2. Split Outer Ring Bearings

   Split Outer Ring and bar-between-roller type roller assembly. Sizes 3½" bore and over available with solid inner rings and full-roller-complement type roller assemblies. All component parts separable.

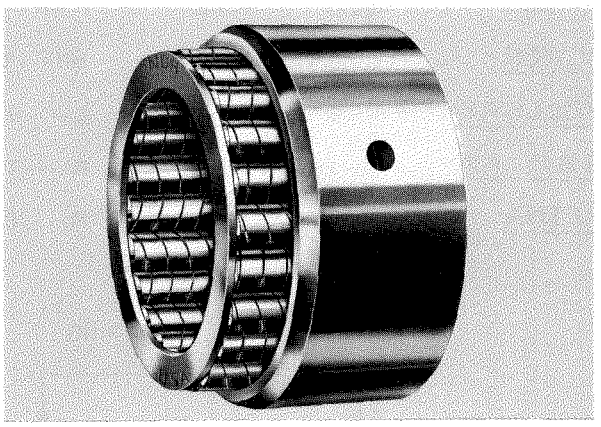


Wound Hy-Roll bearing with solid inner and outer rings

Solid Ring Bearings

The standard bearing number usually contains three digits and indicates the size of the bearing. If the first digit is 2 the bearing belongs to the 200 series. If the first digit is 3 the bearing belongs to the 300 series. The last two digits indicate the bore diameter in millimeters when multiplied by five. For example, a 310 bearing would have a bore diameter of 10 X 5 or 50 mm. A 215 bearing would have a bore diameter of 15 X 5 or 75 mm.

The above rule does not apply to notched inner ring bearings in which the bores are made to inches and even fractions of an inch.

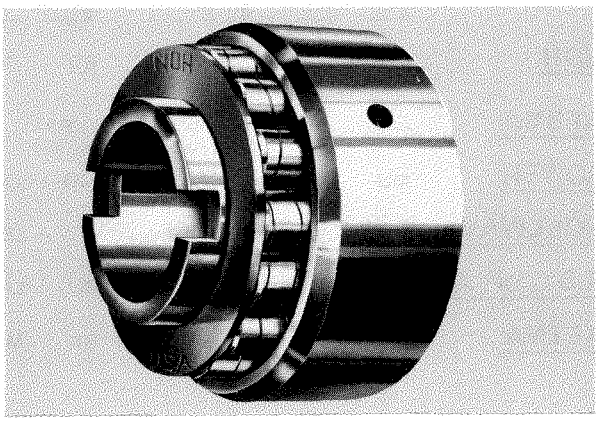


Wound Hy-Roll bearing with solid outer ring and no inner ring

Split Ring Bearings

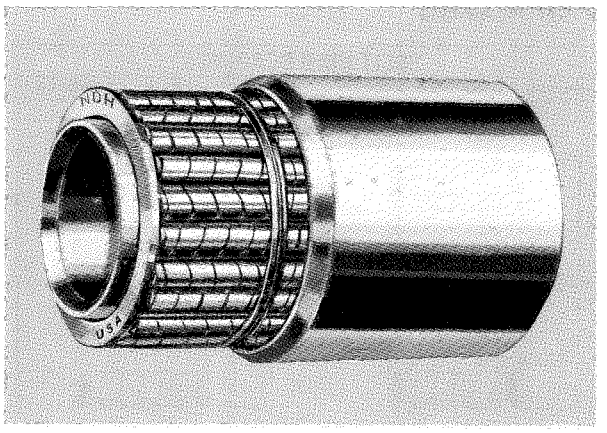
Split Ring Bearings may be identified by the individual part numbers stamped on the inner and outer rings and by the number stamped on the roller assembly end rings as explained in tables VI and VII.

Split outer ring part numbers always contain four numerals in the 4000 series. Solid inner rings, where used, carry five digit numbers in the 30000 and 32000 series.

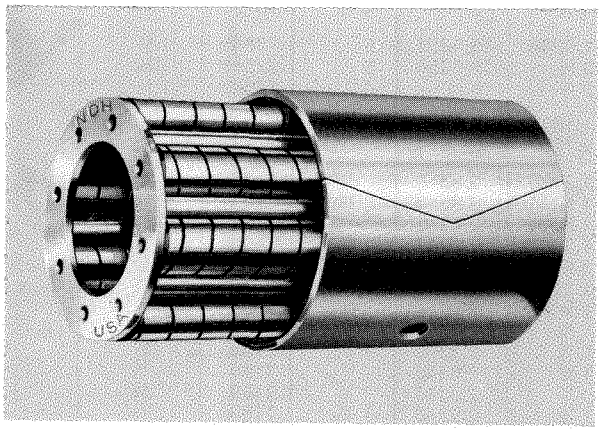


Wound Hy-Roll bearing with solid outer ring and notched inner ring

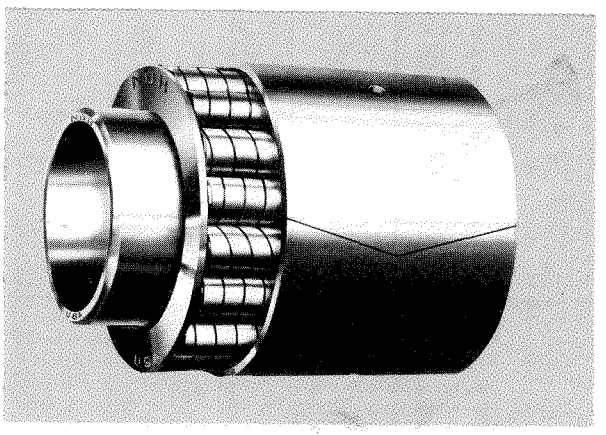
NDH WOUND HY-ROLL BEARINGS



Wound Hy-Roll bearing with solid inner and outer rings and dual roller assemblies



Wound Hy-Roll bearing with split outer ring and no inner ring



Wound Hy-Roll bearing with split outer ring and solid inner ring

The bearing number by itself indicates a complete bearing of standard narrow width. Prefix letters are used to indicate widths other than the standard narrow as follows:

N = Special narrow series
S = Special Dimensions
W = Wide Series
SW = Special Wide Series
D = Double Wide Series
SD = Special Double Wide Series

The width prefixes are used with the bearing number to describe the complete bearing as:
N306, S240, W212, D217, SW226

also with the bearing number and prefix C to describe the bearing with the inner ring omitted:
NC306, CS240, CW212, CD217, CSW226

also with the bearing number and the component part prefix letters to describe the component parts as:

NIR306, SIR240, WOR212, DIR217, SWRA226.

Bearings with notched inner rings are identified by the prefix T in the complete bearing part number. This symbol may be combined with the width symbol as in TM312, or TW213. Variations of a basic size are designated by an extra prefix symbol as in TW213, TXW213, TYW213. Notched inner rings are individually identified by five digit part numbers as 30410, 30397, etc.

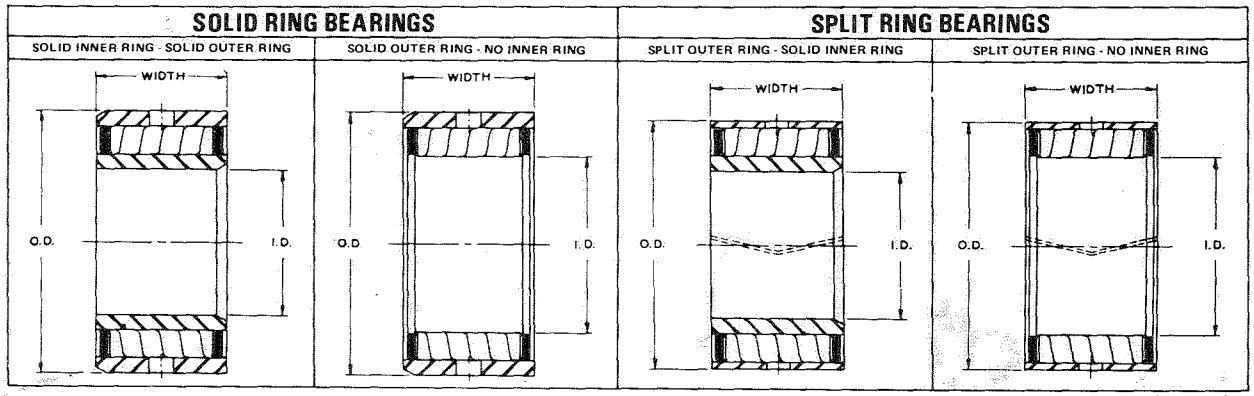
The following prefix letters also have a general significance.

C = Omission of inner ring. Thus bearing 312 with inner ring omitted becomes C312.
E = Omission of outer ring.
IR = Inner Ring
OR = Outer Ring
RA = Roller Assembly

For example:

IR No.	*OR No.*	*RA No.*	*Complete Brg. No.*	*Inner Ring Omitted*
IR-206	OR-206	RA-206	206	C-206
IR-310	OR-310	RA-310	310	C-310

TABLE II
NUMERICAL LIST OF NDH WOUND HY-ROLL BEARINGS
DIMENSIONS AND PART NUMBERS



ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	S148	SRA148	SIR148	SOR148	9.4488	14.1732	4 ½	7679H	1 3/16	8100
	CS148	SRA148		SOR148	10 5/8	14.1732	4 ½	7679H	1 3/16	8100
	SRA148	SRA148			10 5/8	13	4 3/8	7679H	1 3/16	8100
	S156	SRA156	SIR156	SOR156	11.0236	16.5354	5	7754H	1 3/8	9600
	CS156	SRA156		SOR156	12 3/8	16.5354	5	7754H	1 3/8	9600
	SRA156	SRA156			12 3/8	15 1/8	4 55/64	7754H	1 3/8	9600
	IR206		IR206		1.1811	1.4991	13/16			
	OR206			OR206	2.1257	2.4414	13/16			
	207	RA207	IR207	OR207	1.3780	2.8346	15/16	7199	3/8	420
	C207	RA207		OR207	1 3/4	2.8346	15/16	7199	3/8	420
1	T207	RA207	30335	OR207	1 3/8	2.8346	15/16	7199	3/8	420
	W207	WRA207 •	WIR207	OR306	1.3780	2.8346	1 3/16	7199	3/8	610
	CW207	WRA207		OR306	1 3/4	2.8346	1 3/16	7199	3/8	610
	EW207	WRA207	WIR207		1.3780	2.5000	1 3/16	7199	3/8	610
	RA207	RA207			1 3/4	2 ½	57/64	7199	3/8	420
2	SW207	WRA207	30067	OR306	1 3/8	2.8346	1 3/16	7199	3/8	610
3	TW207	WRA207	30335	OR306	1 3/8	2.8346	1 3/16	7199	3/8	610
4	TX207	RA207	30395	OR207	1 1/4	2.8346	15/16	7199	3/8	420
	CSD207	RA207		SDOR207	1 3/4	2.8346	1 7/8	7199	3/8	840
5	TXW207	WRA207	30395	OR306	1 1/4	2.8346	1 3/16	7199	3/8	610
6	TYW207	WRA207	30413	OR306	1 7/16	2.8346	1 3/16	7199	3/8	610
	WRA207	WRA207			1 3/4	2 ½	1 1/8	7199	3/8	610
	208	RA208	IR208	OR208	1.5748	3.1496	1	7130	3/8	510
	C208	RA208		OR208	2	3.1496	1	7130	3/8	510
	W208	WRA208	WIR208	OR307	1.5748	3.1496	1 3/8	7130	3/8	790
	CW208	WRA208		OR307	2	3.1496	1 3/8	7130	3/8	790
	RA208	RA208			2	2 3/4	31/32	7130	3/8	510
7	SW208	WRA208	30093	OR307	1 5/8	3.1496	1 3/8	7130	3/8	790
8	TW208	WRA208	30385	OR307	1 ½	3.1496	1 3/8	7130	3/8	790
9	SAW208	WRA208	30094	OR307	1 ½	3.1496	1 3/8	7130	3/8	790
10	TXW208	WRA208	30396	OR307	1 ½	3.1496	1 3/8	7130	3/8	790
11	TYW208	WRA208	30429	OR307	1 9/16	3.1496	1 3/8	7130	3/8	790
	WRA208	WRA208			2	2 3/4	1 5/16	7130	3/8	790
	209	RA209	IR209	OR209	1.7717	3.3465	1 1/8	7201	3/8	610
	C209	RA209		OR209	2 3/16	3.3465	1 1/8	7201	3/8	610
	W209	WRA209	WIR209	WOR209	1.7717	3.3465	1 9/16	7201	3/8	940
	CW209	WRA209		WOR209	2 3/16	3.3465	1 9/16	7201	3/8	940
	RA209	RA209			2 3/16	2 15/16	1 5/64	7201	3/8	610
	SC209	SRA209		OR209	1 15/16	3.3465	1 1/8	7863	1/2	700
	SRA209	SRA209			1 15/16	2 15/16	1 5/64	7863	1/2	700
12	SWIRA209		SWIRA209		1.7717	2.1862	1 9/16			

• Denotes two roller assemblies.

1—Inner ring width 2 ½ with one notch.
2—Inner ring width 1 7/8.
3—Inner ring width 2 ½ with one notch.
4—Inner ring width 2 ½ with one notch.
5—Inner ring width 2 7/8 with one notch.
6—Inner ring width 1 7/16 with two notches.
7—Inner ring width 2 ¾.
8—Inner ring width 2 ¾ with one notch.
9—Inner ring width 2 ½.
10—Inner ring width 2 ½ with one notch.
11—Inner ring width 2 ½ with one notch.
12—Has 3/16 radial hole.

NUMERICAL LIST OF NDH WOUND HY-ROLL BEARINGS - Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
1	TXW209	WRA209	30418	WOR209	1 11/16	3.3465	1 9/16	7201	3/8	940
2	TZW209	WRA209	30057	WOR209	1.6910	3.3465	1 9/16	7201	3/8	940
	WRA209	WRA209			2 3/16	2 15/16	1 1/2	7201	3/8	940
	210	RA210	IR210	OR210	1.9685	3.5433	1 1/4	7147	3/8	750
	C210	RA210		OR210	2 3/8	3.5433	1 1/4	7147	3/8	750
	D210	WRA210 •	DIR210	DOR210	1.9685	3.5433	3 1/2	7147	3/8	2300
	W210	WRA210	WIR210	WOR210	1.9685	3.5433	1 3/4	7147	3/8	1160
	CD210	WRA210 •		DOR210	2 3/8	3.5433	3 1/2	7147	3/8	2300
	CW210	WRA210		WOR210	2 3/8	3.5433	1 3/4	7147	3/8	1160
	RA210	RA210			2 3/8	3 1/8	1 13/16	7147	3/8	750
	SOR210			SOR210	3.1275	3.5485	21/32			
3	TXW210	WRA210	30412	WOR210	1 15/16	3.5433	1 3/4	7147	3/8	1160
4	TZW210	WRA210	30058	WOR210	1.9410	3.5433	1 3/4	7147	3/8	1160
	WRA210	WRA210			2 3/8	3 1/8	1 11/16	7147	3/8	1160
	AWIR210		AWIR210		1.8754	2.3735	3			
	211	RA211	IR211	OR211	2.1654	3.9370	1 5/16	7720	7/16	880
	C211	RA211		OR211	2 5/8	3.9370	1 5/16	7720	7/16	880
	D211	WRA211 •	DIR211	DOR211	2.1654	3.9370	3 5/8	7720	7/16	2650
	W211	WRA211	WIR211	WOR211	2.1654	3.9370	1 13/16	7720	7/16	1320
	CD211	WRA211		DOR211	2 5/8	3.9370	3 5/8	7720	7/16	2650
	CW211	WRA211		WOR211	2 5/8	3.9370	1 13/16	7720	7/16	1320
	RA211	RA211			2 5/8	3 1/2	1 1/4	7720	7/16	880
5	TXW211	WRA211	30417	WOR211	2 3/16	3.9370	1 13/16	7720	7/16	1320
	WRA211	WRA211			2 5/8	3 1/2	1 3/4	7720	7/16	1320
	MWIR211		MWIR211		2.2491	2.6234	1 13/16			
	212	RA212	IR212	OR212	2.3622	4.3307	1 7/16	7677	1/2	1080
	C212	RA212		OR212	2 7/8	4.3307	1 7/16	7677	1/2	1080
	D212	WRA212 •	DIR212	DOR212	2.3622	4.3307	3 7/8	7677	1/2	3250
	W212	WRA212	WIR212	WOR212	2.3622	4.3307	1 15/16	7677	1/2	1620
	CD212	WRA212 •		DOR212	2 7/8	4.3307	3 7/8	7677	1/2	3250
	CW212	WRA212		WOR212	2 7/8	4.3307	1 15/16	7677	1/2	1620
	RA212	RA212			2 7/8	3 7/8	1 3/8	7677	1/2	1080
6	TW212	WRA212	30415	WOR212	2 1/4	4.3307	1 15/16	7677	1/2	1620
7	SIR212		SIR212		2.3622	2.8733	1 7/16			
8	TXW212	WRA212	30419	WOR212	2 5/16	4.3307	1 15/16	7677	1/2	1620
9	TYW212	WRA212	30087	WOR212	2 3/8	4.3307	1 15/16	7677	1/2	1620
	WRA212	WRA212			2 7/8	3 7/8	1 7/8	7677	1/2	1620
10	AWIR212		AWIR212		2.3622	2.8733	2 11/16			
	213	RA213	IR213	OR213	2.5591	4.7244	1 1/2	7691	1/2	1220
	C213	RA213		OR213	3 1/8	4.7244	1 1/2	7691	1/2	1220
11	C213/WIR213	RA213	WIR213	OR213	2.5591	4.7244	1 1/2	7691	1/2	1220
	D213	WRA213 •	DIR213	DOR213	2.5591	4.7244	4 1/8	7691	1/2	3700
	W213	WRA213	WIR213	WOR213	2.5591	4.7244	2 1/16	7691	1/2	1840
	CD213	WRA213 •		DOR213	3 1/8	4.7244	4 1/8	7691	1/2	3700
	CW213	WRA213		WOR213	3 1/8	4.7244	2 1/16	7691	1/2	1840
	RA213	RA213			3 1/8	4 1/8	1 7/16	7691	1/2	1220
12	TW213	WRA213	30416	WOR213	2 1/2	4.7244	2 1/16	7691	1/2	1840
13	TY213	RA213	30421	OR213	1.6875	4.7244	1 1/2	7691	1/2	1220
14	TXW213	WRA213	30408	WOR213	2 7/16	4.7244	2 1/16	7691	1/2	1840
15	TYW213	WRA213	30421	WOR213	2 11/16	4.7244	2 1/16	7691	1/2	1840
	WRA213	WRA213			3 1/8	4 1/8	2	7691	1/2	1840
	214	RA214	IR214	OR214	2.7559	4.9213	1 5/8	7180	1/2	1380
	C214	RA214		OR214	3 5/16	4.9213	1 5/8	7180	1/2	1380
	D214	WRA214 •	DIR214	DOR214	2.7559	4.9213	4 3/4	7180	1/2	4200
	W214	WRA214	WIR214	WOR214	2.7559	4.9213	2 3/8	7180	1/2	2100
	CD214	WRA214 •		DOR214	3 5/16	4.9213	4 3/4	7180	1/2	4200
	CW214	WRA214		WOR214	3 5/16	4.9213	2 3/8	7180	1/2	2100
	RA214	RA214			3 5/16	4 5/16	1 35/64	7180	1/2	1380
	WRA214	WRA214			3 5/16	4 5/16	2 9/32	7180	1/2	2100
16	SWIR214		SWIR214		2.7559	3.3105	2 3/8			
	215	RA215	IR215	OR215	2.9528	5.1181	1 3/4	7685	1/2	1460
	C215	RA215		OR215	3 1/2	5.1181	1 3/4	7685	1/2	1460
	D215	WRA215 •	DIR215	DOR215	2.9528	5.1181	5 1/4	7685	1/2	4850

•Denotes two roller assemblies.

1—Inner ring width 1 13/16 with two notches.
2—Inner ring width 1 13/16 with two notches.
3—Inner ring width 2 with two notches.
4—Inner ring width 2 with two notches.
5—Inner ring width 2 1/8 with two notches.
6—Inner ring width 3 1/2 with one notch.
7—Has 1/4 oil hole.
8—Inner ring width 2 1/4 with two notches.
9—Inner ring width 2 1/4 with two notches.
10—Has 3/8 oil hole.
11—Inner ring width 2 1/16 with two notches.
12—Inner ring width 3 1/2 with one notch.
13—Inner ring with 2 3/8 with two notches.
14—Inner ring width 2 3/8 with two notches.
15—Inner ring width 2 3/8 with two notches.
16—Has 1/4 oil hole.

NUMERICAL LIST OF NDH WOUND HY-ROLL BEARINGS-Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	W215	WRA215	WIR215	WOR215	2.9528	5.1181	2 5/8	7685	1/2	2400
	CD215	WRA215 •		DOR215	3 1/2	5.1181	5 1/4	7685	1/2	4850
	CW215	WRA215		WOR215	3 1/2	5.1181	2 5/8	7685	1/2	2400
	MW215	WRA215	MWIR215	WOR215	2.9993	5.1181	2 5/8	7685	1/2	2400
	RA215	RA215			3 1/2	4 1/2	1 11/16	7685	1/2	1460
1	TW215	WRA215	30394	WOR215	3	5.1181	2 5/8	7685	1/2	2400
2	TXW215	WRA215	30406	WOR215	2 15/16	5.1181	2 5/8	7685	1/2	2400
	WRA215	WRA215			3 1/2	4 1/2	2 9/16	7685	1/2	2400
	216	RA216	IR216	OR216	3.1496	5.5118	1 13/16	7684	9/16	1760
	C216	RA216		OR216	3 3/4	5.5118	1 13/16	7684	9/16	1760
	D216	WRA216 •	DIR216	DOR216	3.1496	5.5118	5 1/4	7684	9/16	5500
3	T216	RA216	30398	OR216	3 1/4	5.5118	1 13/16	7684	9/16	1760
	W216	WRA216	WIR216	WOR216	3.1496	5.5118	2 5/8	7684	9/16	2750
	CD216	WRA216 •		DOR216	3 3/4	5.5118	5 1/4	7684	9/16	5500
	CW216	WRA216		WOR216	3 3/4	5.5118	2 5/8	7684	9/16	2750
	RA216	RA216			3 3/4	4 7/8	1 3/4	7684	9/16	1760
	WRA216	WRA216			3 3/4	4 7/8	2 35/64	7684	9/16	2750
4	AWIR216		AWIR216		3.1496	3.7478	3 1/2			
5	SWIR216		SWIR216		3.1496	3.7478	2 5/8			
	217	RA217	IR217	OR217	3.3465	5.9055	1 15/16	7693	5/8	2000
	C217	RA217		OR217	4	5.9055	1 15/16	7693	5/8	2000
	D217	WRA217 •	DIR217	DOR217	3.3465	5.9055	5 1/2	7693	5/8	6100
	W217	WRA217	WIR217	WOR217	3.3465	5.9055	2 3/4	7693	5/8	3050
	CD217	WRA217 •		DOR217	4	5.9055	5 1/2	7693	5/8	6100
	CW217	WRA217		WOR217	4	5.9055	2 3/4	7693	5/8	3050
	RA217	RA217			4	5 1/4	1 7/8	7693	5/8	2000
	WRA217	WRA217			4	5 1/4	2 41/64	7693	5/8	3050
	218	RA218	IR218	OR218	3.5433	6.2992	2 1/16	7893H	11/16	2100
	C218	RA218		OR218	4 1/4	6.2992	2 1/16	7893G	11/16	2100
	D218	WRA218 •	DIR218	DOR218	3.5433	6.2992	5 5/8	7893H	11/16	6500
6	T218	RA218	30400	OR218	3 3/4	6.2992	2 1/16	7893H	11/16	2100
	W218	WRA218	WIR218	WOR218	3.5433	6.2992	2 13/16	7893H	11/16	3250
	CD218	WRA218 •		DOR218	4 1/4	6.2992	5 5/8	7893H	11/16	6500
	CW218	WRA218		WOR218	4 1/4	6.2992	2 13/16	7893H	11/16	3250
	RA218	RA218			4 1/4	5 5/8	1 31/32	7893H	11/16	2100
7	TW218	WRA218	30400	WOR218	3 3/4	6.2992	2 13/16	7893H	11/16	3250
8	TX218	RA218	30407	OR218	3.4375	6.2992	2 1/16	7893H	11/16	2100
9	TXW218	WRA218	30407	WOR218	3 7/16	6.2992	2 13/16	7893H	11/16	3250
	WRA218	WRA218					2 23/32	7893H	11/16	3250
	219	RA219	IR219	OR219	3.7402	6.6929	2 3/16	7895H	3/4	2550
	C219	RA219		OR219	4 1/2	6.6929	2 3/16	7895H	3/4	2550
	D219	WRA219 •	DIR219	DOR219	3.7402	6.6929	6	7895H	3/4	7500
	W219	WRA219	WIR219	WOR219	3.7402	6.6929	3	7895H	3/4	3750
	CD219	WRA219 •		DOR219	4 1/2	6.6929	6	7895H	3/4	7500
	CW219	WRA219		WOR219	4 1/2	6.6929	3	7895H	3/4	3750
	RA219	RA219			4 1/2	6	2 3/32	7895H	3/4	2550
	WRA219	WRA219			4 1/2	6	2 57/64	7895H	3/4	3750
	220	RA220	IR220	OR220	3.9370	7.0866	2 5/16	7896H	3/4	2600
	C220	RA220		OR220	4 3/4	7.0866	2 5/16	7897H	3/4	2600
	D220	WRA220 •	DIR220	DOR220	3.9370	7.0866	6 1/2	7897H	3/4	8100
10	T220	RA220	30401	OR220	4	7.0866	2 5/16	7897H	3/4	2600
	W220	WRA220	WIR220	WOR220	3.9370	7.0866	3 1/4	7897H	3/4	4050
	CD220	WRA220 •		DOR220	4 3/4	7.0866	6 1/2	7897H	3/4	8100
	CW220	WRA220		WOR220	4 3/4	7.0866	3 1/4	7897H	3/4	4050
	MW220	WRA220	MWIR220	WOR220	3.9990	7.0866	3 1/4	7897H	3/4	4050
	RA220	RA220			4 3/4	6 1/4	2 13/64	7897H	3/4	2600
10	TW220	WRA220	30401	WOR220	4	7.0866	3 1/4	7897H	3/4	4050
11	TX220	RA220	30409	OR220	3 15/16	7.0866	3 1/4	7897H	3/4	4050
11	TXW220	WRA220	30409	WOR220	3 15/16	7.0866	3 1/4	7897H	3/4	4050
	WRA220	WRA220			4 3/4	6 1/4	3 1/8	7897H	3/4	4050
	222	RA222	IR222	OR222	4.3307	7.8740	2 9/16	7704H	7/8	3300
	C222	RA222		OR222	5 1/4	7.8740	2 9/16	7704H	7/8	3300
	D222	WRA222 •	DIR222	DOR222	4.3307	7.8740	7	7704H	7/8	9800
	W222	WRA222	WIR222	WOR222	4.3307	7.8740	3 1/2	7704H	7/8	4900

•Denotes two roller assemblies.

1—Inner ring width 3 3/8 with one notch.
2—Inner ring width 2 15/16 with two notches.
3—Inner ring width 3 3/8 with one notch.
4—Has 7/16 oil hole.
5—Has 3/16 oil hole.
6—Inner ring width 4 3/8 with one notch.
7—Inner ring width 4 3/8 with one notch.
8—Inner ring width 3 1/8 with two notches.
9—Inner ring width 3 1/8 with two notches.
10—Inner ring width 4 3/8 with one notch.
11—Inner ring width 3 5/8 with two notches.

NUMERICAL LIST OF NDH WOUND HY-ROLL BEARINGS-Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	CD222	WRA222 •		DOR222	5 1/4	7.8740	7	7704H	7/8	9800
	CW222	WRA222		WOR222	5 1/4	7.8740	3 1/2	7704H	7/8	4900
	RA222	RA222			5 1/4	7	2 15/32	7704H	7/8	3300
1	TW222	WRA222	30402	WOR222	4 1/2	7.8740	3 1/2	7704H	7/8	4900
2	TXW222	WRA222	30410	WOR222	4 7/16	7.8740	3 1/2	7704H	7/8	4900
	WRA222	WRA222			5 1/4	7	3 25/64	7704H	7/8	4900
	224	RA224	IR224	OR224	4.7244	8.4646	2 13/16	7709H	15/16	3700
	C224	RA224		OR224	5 1/4	8.4646	2 13/16	7709H	15/16	3700
	D224	WRA224 •	DIR224	DOR224	4.7244	8.4646	7 3/4	7709H	15/16	11200
	W224	WRA224	WIR224	WOR224	4.7244	8.4646	3 7/8	7709H	15/16	5600
	CD224	WRA224 •		DOR224	5 1/4	8.4646	7 3/4	7709H	15/16	11200
	CW224	WRA224		WOR224	5 1/4	8.4646	3 7/8	7709H	15/16	5600
	EW224	WRA224	WIR224		4.7244	4.7500	3 7/8	7709H	15/16	5600
	RA224	RA224			5 1/4	7 1/2	2 45/64	7709H	15/16	3700
3	SW224	WRA207	SWIR224	WOR224	4.7244	8.4646	3 7/8	7709H	15/16	5600
	WRA224	WRA224			5 1/4	7 1/2	3 3/4	7709H	15/16	5600
	226	RA226	IR226	OR226	5.1181	9.0551	3 1/8	7363H	1	4600
	C226	RA226		OR226	6 1/16	9.0551	3 1/8	7363H	1	4600
	D226	WRA226 •	DIR226	DOR226	5.1181	9.0551	8 1/2	7363H	1	13200
4	T226	RA226	30414	OR226	4 15/16	9.0551	3 1/8	7363H	1	4600
	W226	WRA226	WIR226	WOR226	5.1181	9.0551	4 1/4	7363H	1	6600
	CD226	WRA226 •		DOR226	6 1/16	9.0551	8 1/2	7363H	1	13200
	CW226	WRA226		WOR226	6 1/16	9.0551	4 1/4	7363H	1	6600
	RA226	RA226			6 1/16	8 1/16	3 1/64	7363H	1	4600
	SD226	SWRA226 •	SDIR226	SDOR226	5.1181	8.4646	9 3/4	7736H	3/4	14000
	SW226	SWRA226	SWIR226	SWOR226	5.1181	8.4646	4 7/8	7736H	3/4	7000
	CMW226	MWRA226		WOR224	6	8.4646	3 7/8	7736H	3/4	5500
	CSD226	SWRA226 •		SDOR226	6	8.4646	9 3/4	7736H	3/4	14000
	CSW226	SWRA226		SWOR226	6	8.4646	4 7/8	7736H	3/4	7000
	TMW226	MWRA226	TMIR226	WOR224	5	8.4646	3 7/8	7736H	3/4	5500
4	TXW226	WRA226	30414	WOR226	4 15/16	9.0551	4 1/4	7363H	1	6600
	WRA226	WRA226			6 1/16	8 1/16	4 7/64	7363H	1	6600
	MWRA226	MWRA226			6	7 1/2	3 3/4	7736H	3/4	5500
	SWRA226	SWRA226			6	7 1/2	4 23/32	7736H	3/4	7000
	228	RA228	IR228	OR228	5.5118	9.8425	3 1/4	7711H	1 1/16	5100
	C228	RA228		OR228	6 5/8	9.8425	3 1/4	7711H	1 1/16	5100
	D228	WRA228 •	DIR228	DOR228	5.5118	9.8425	9 1/2	7711H	1 1/16	16600
5	T228	RA228	30411	OR228	5 7/16	9.8425	3 1/4	7711H	1 1/16	5100
	W228	WRA228	WIR228	WOR228	5.5118	9.8425	4 3/4	7711H	1 1/16	8300
	CD228	WRA228 •		DOR228	6 5/8	9.8425	9 1/2	7711H	1 1/16	16600
	CW228	WRA228		WOR228	6 5/8	9.8425	4 3/4	7711H	1 1/16	8300
	EW228	WRA228	WIR228		5.5118	8.7500	4 3/4	7711H	1 1/16	8300
6	DA228	WRA228 •	DIRA228	DOR228	5.5118	9.8425	9 1/2	7711H	1 1/16	16600
	RA228	RA228			6 5/8	8 3/4	3 9/64	7711H	1 1/16	5100
5	TXW228	WRA228	30411	WOR228	5 7/16	9.8425	4 3/4	7711H	1 1/16	8300
	WRA228	WRA228			6 5/8	8 3/4	4 19/32	7711H	1 1/16	8300
	230	RA230	IR230	OR230	5.9055	10.6299	3 1/2	7712H	1 3/16	6100
	C230	RA230		OR230	7 1/16	10.6299	3 1/2	7712H	1 3/16	6100
7	T230	RA230	30425	OR230	5 15/16	10.6299	3 1/2	7712H	1 3/16	6100
	W230	WRA230	WIR230	WOR230	5.9055	10.6299	4 3/4	7712H	1 3/16	8600
	CW230	WRA230		WOR230	7 1/16	10.6299	4 3/4	7712H	1 3/16	8600
	MW230	WRA230	MWIR230	WOR230	5.9977	10.6299	4 3/4	7712H	1 3/16	8600
	RA230	RA230			7 1/16	9 7/16	3 25/64	7712H	1 3/16	6100
7	TW230	WRA230	30425	WOR230	5 15/16	10.6299	4 3/4	7712H	1 3/16	8600
	WRA230	WRA230			7 1/16	9 7/16	4 19/32	7712H	1 3/16	8600
	232	RA232	IR232	OR232	6.2992	11.4173	3 7/8	7790H	1 1/4	6500
	C232	RA232		OR232	7 5/8	11.4173	3 7/8	7790H	1 1/4	6500
	D232	WRA232 •	DIR232	DOR232	6.2992	11.4173	9 3/4	7790H	1 1/4	17600
	W232	WRA232	WIR232	WOR232	6.2992	11.4173	4 7/8	7790H	1 1/4	8800
	CD232	WRA232 •		DOR232	7 5/8	11.4173	9 3/4	7790H	1 1/4	17600
	CW232	WRA232		WOR232	7 5/8	11.4173	4 7/8	7790H	1 1/4	8800
	RA232	RA232			7 5/8	10 1/8	3 3/4	7790H	1 1/4	6500
8	TW232	WRA232	30426	WOR232	6 7/16	11.4173	4 7/8	7790H	1 1/4	8800
	WRA232	WRA232			7 5/8	10 1/8	4 3/4	7790H	1 1/4	8800

• Denotes two roller assemblies.

1—Inner ring width 4 3/8 with one notch.
2—Inner ring width 3 7/8 with two notches.
3—Inner ring width 3 1/8 with two notches.
4—Inner ring width 4 5/8 with two notches.
5—Inner ring width 5 1/8 with two notches.
6—Inner ring has .468 radius one end.
7—Inner ring width 5 3/8 with one notch.
8—Inner ring width 5 1/2 with one notch.

NUMERICAL LIST OF NDH WOUND HY-ROLL BEARINGS - Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	D234	WRA234•	DIR234	DOR234	6.6929	12.2047	10 3/4	7856H	1 3/8	21500
	W234	WRA234	WIR234	WOR234	6.6929	12.2047	5 3/8	7856H	1 3/8	10800
	CD234	WRA234•		DOR234	8 1/16	12.2047	10 3/4	7856H	1 3/8	21500
	CW234	WRA234		WOR234	8 1/16	12.2047	5 3/8	7856H	1 3/8	10800
	SD234	SWRA234•	SDIR234	SDOR234	6.6929	12.2047	9 1/2	7856H	1 3/8	20000
	CSD234	SWRA234•		SDOR234	8 1/16	12.2047	9 1/2	7856H	1 3/8	20000
	WRA234	WRA234			8 1/16	10 13/16	5 7/32	7856H	1 3/8	10800
	SWRA234	SWRA234			8 1/16	10 13/16	4 39/64	7856H	1 3/8	10000
	W236	WRA236	WIR236	WOR236	7.0866	12.5984	5 7/8	7763H	1 3/8	12600
	CW236	WRA236		WOR236	8 15/32	12.5984	5 7/8	7763H	1 3/8	12600
1	TW236	WRA236	30427	WOR236	6 15/16	12.5984	5 7/8	7763H	1 3/8	12600
2	WOR236-15			WOR236-15	11.2266	12.6000	5 7/8			
	WRA236	WRA236			8 15/32	11 7/32	5 45/64	7763H	1 3/8	12600
	S240	SRA240	SIR240	SOR240	7.8740	13.3858	4 3/4	7855H	1 3/8	10000
	CS240	SRA240		SOR240	9 1/4	13.3858	4 3/4	7855H	1 3/8	10000
	SW240	SWRA240	SWIR240	SWOR240	7.8740	13.3858	6 7/8	7855H	1 3/8	15200
	CSW240	SWRA240		SWOR240	9 1/4	13.3858	6 7/8	7855H	1 3/8	15200
	SRA240	SRA240			9 1/4	12	4 39/64	7855H	1 3/8	10000
3	TSW240	SWRA240	30428	SWOR240	7 1/2	13.3858	6 7/8	7855H	1 3/8	15200
	SWRA240	SWRA240			9 1/4	12	6 11/16	7855H	1 3/8	15200
	SDIRA240		SDIRA240		7.8740	9.2446	9 1/2			
	SDORA240			SDORA240	12.0166	13.3874	9 1/2			
	DA244	AWRA224•	DIRA244	DORA244	8.6614	14.9606	10 3/4	7758H	1 3/8	23000
	SW244	SWRA244	SWIR244	SWOR244	8.6614	14.9606	6 7/8	7758H	1 3/8	15600
	CDA244	AWRA244•		DORA244	10 7/16	14.9606	10 3/4	7758H	1 3/8	23000
	CSW244	SWRA244		SWOR244	10 7/16	14.9606	6 7/8	7758H	1 3/8	15600
	AWIR244		AWIR244		8.6616	10.4314	6 7/8			
	AWRA244	AWRA244			10 7/16	13 3/16	5 7/32	7758H	1 3/8	11400
	SWRA244	SWRA244			10 7/16	13 3/16	6 45/64	7758H	1 3/8	15600
	OR304			OR304	1.7504	2.0477	1			
	305	RA305	IR305	OR305	.9843	2.4409	1 1/8	7719	7/16	485
	C305	RA305		OR305	1 1/4	2.4409	1 1/8	7719	7/16	485
	RA305	RA305			1 1/4	2 1/8	1 5/64	7719	7/16	485
	SOR305			SOR305	2.1257	2.4619	1 1/8			
	306	RA306	IR306	OR306	1.1811	2.8346	1 3/16	7092	1/2	640
	C306	RA306		OR306	1 1/2	2.8346	1 3/16	7092	1/2	640
	N306	NRA306		OR207	1.1811	2.8346	15/16	7092	1/2	440
4	T306	RA306	30379	OR306	1 1/8	2.8346	1 3/16	7092	1/2	640
	NC306	NRA306		OR207	1 1/2	2.8346	15/16	7092	1/2	440
	RA306	RA306			1 1/2	2 1/2	1 1/8	7092	1/2	640
	NIR306		NIR306		1.1811	1.4991	15/16			
5	TN306	NRA306	30379	OR207	1.1250	2.8346	15/16	7092	1/2	440
	NRA306	NRA306			1 1/2	2 1/2	57/64	7092	1/2	440
	307	RA307	IR307	OR307	1.3780	3.1496	1 3/8	7123	1/2	800
	C307	RA307		OR307	1 3/4	3.1496	1 3/8	7123	1/2	800
6	T307	RA307	30335	OR307	1 3/8	3.1496	1 3/8	7123	1/2	800
	RA307	RA307			1 3/4	2 3/4	1 5/16	7123	1/2	800
7	TX307	RA307	30395	OR307	1 1/4	3.1496	1 3/8	7123	1/2	800
	308	RA308	IR308	OR308	1.5748	3.5433	1 7/16	7124	9/16	1020
	C308	RA308		OR308	2	3.5433	1 7/16	7124	9/16	1020
8	T308	RA308	30385	OR308	1 5/8	3.5433	1 7/16	7124	9/16	1020
	NC308	NRA308		OR210	2	3.5433	1 1/4	7124	9/16	830
	RA308	RA308			2	3 1/8	1 3/8	7124	9/16	1020
9	TX308	RA308	30396	OR308	1 1/2	3.5433	1 7/16	7124	9/16	1020
	NRA308	NRA308			2	3 1/8	1 3/16	7124	9/16	830
	309	RA309	IR309	OR309	1.7717	3.9370	1 9/16	7777	5/8	1220
	C309	RA309		OR309	2 1/4	3.9370	1 9/16	7777	5/8	1220
10	T309	RA309	30381	OR309	1 7/8	3.9370	1 9/16	7777	5/8	1220
	NC309	NRA309		OR211	2 1/4	3.9370	1 5/16	7777	5/8	960
	RA309	RA309			2 1/4	3 1/2	1 1/2	7777	5/8	1220
11	TX309	RA309	30397	OR309	1 3/4	3.9370	1 9/16	7777	5/8	1220
	NRA309	NRA309			2 1/4	3 1/2	1 1/64	7777	5/8	960
	310	RA310	IR310	OR310	1.9685	4.3307	1 3/4	7782	11/16	1460
	C310	RA310		OR310	2 1/2	4.3307	1 3/4	7782	11/16	1460
12	T310	RA310	30386	OR310	2	4.3307	1 3/4	7782	11/16	1460

•Denotes two roller assemblies.

1—Inner ring width 6 1/2 with one notch.
2—Has 1/8 wide O.D. groove.
3—Inner ring width 7 1/2 with one notch.
4—Inner ring width 2 1/2 with one notch.
5—Inner ring width 2 1/2 with one notch.
6—Inner ring width 2 1/2 with one notch.
7—Inner ring width 2 1/2 with one notch.
8—Inner ring width 2 3/4 with one notch.
9—Inner ring width 2 1/2 with one notch.
10—Inner ring width 2 3/4 with one notch.
11—Inner ring width 2 3/4 with one notch.
12—Inner ring width 3 with one notch.

NUMERICAL LIST OF NDH WOUND HY-ROLL BEARINGS-Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	NC310	NRA310		OR212	2 1/2	4.3307	1 7/16	7782	11/16	1100
	RA310	RA310			2 1/2	3 7/8	1 11/16	7782	11/16	1460
1	TX310	RA310	30404	OR310	1 15/16	4.3307	1 3/4	7782	11/16	1460
	NRA310	NRA310			2 1/2	3 7/8	1 3/8	7782	11/16	1100
	311	RA311	IR311	OR311	2.1654	4.7244	1 15/16	7884	11/16	1740
	C311	RA311		OR311	2 3/4	4.7244	1 15/16	7884	11/16	1740
2	T311	RA311	30391	OR311	2 1/4	4.7244	1 15/16	7884	11/16	1740
	RA311	RA311			2 3/4	4 1/8	1 7/8	7884	11/16	1740
	312	RA312	IR312	OR312	2.3622	5.1181	2 1/16	7809	3/4	2100
	C312	RA312		OR312	3	5.1181	2 1/16	7809	3/4	2100
	M312	MRA312	MIR312	MOR312	2.3622	5.1181	2 1/8	7809	3/4	2100
3	T312	RA312	30392	OR312	2 1/2	5.1181	2 1/16	7809	3/4	2100
	MC312	MRA312		MOR312	3	5.1181	2 1/8	7809	3/4	2100
	RA312	RA312			3	4 1/2	2	7809	3/4	2100
3	TM312	MRA312	30392	MOR312	2 1/2	5.1181	2 1/8	7809	3/4	2100
	MRA312	MRA312			3	4 1/2	2 3/64	7809	3/4	2100
	313	RA313	IR313	OR313	2.5591	5.5118	2 3/16	7888	13/16	2200
	C313	RA313		OR313	3 1/4	5.5118	2 3/16	7888	13/16	2200
	M313	MRA313	MIR313	MOR313	2.5591	5.5118	2 5/16	7888	13/16	2600
	MC313	MRA313		MOR313	3 1/4	5.5118	2 5/16	7888	13/16	2600
	RA313	RA313			3 1/4	4 7/8	2 1/8	7888	13/16	2200
4	TM313	MRA313	30393	MOR313	2 3/4	5.5118	2 5/16	7888	13/16	2600
	MRA313	MRA313			3 1/4	4 7/8	2 1/4	7888	13/16	2600
	314	RA314	IR314	OR314	2.7559	5.9055	2 5/16	7889H	7/8	2550
	C314	RA314		OR314	3 1/2	5.9055	2 5/16	7889H	7/8	2550
	M314	MRA314	MIR314	MOR314	2.7559	5.9055	2 1/2	7889H	7/8	2850
	MC314	MRA314		MOR314	3 1/2	5.9055	2 1/2	7889H	7/8	2850
	RA314	RA314			3 1/2	5 1/4	2 13/64	7889H	7/8	2550
5	TM314	MRA314	30394	MOR314	3	5.9055	2 1/2	7889H	7/8	2850
	MRA314	MRA314			3 1/2	5 1/4	2 13/32	7889H	7/8	2850
	315	RA315	IR315	OR315	2.9528	6.2992	2 7/16	7896H	15/16	2950
	C315	RA315		OR315	3 3/4	6.2992	2 7/16	7896H	15/16	2950
	M315	MRA315	MIR315	MOR315	2.9528	6.2992	2 11/64	7896H	15/16	3400
	MC315	MRA315		MOR315	3 3/4	6.2992	2 11/16	7896H	15/16	3400
	RA315	RA315			3 3/4	5 5/8	2 23/64	7896H	15/16	2950
6	TM315	MRA315	30398	MOR315	3 1/4	6.2992	2 11/16	7896H	15/16	3400
	MRA315	MRA315			3 3/4	5 5/8	2 37/64	7896H	15/16	3400
	316	RA316	IR316	OR316	3.1496	6.6929	2 9/16	7891H	1	3250
	C316	RA316		OR316	4	6.6929	2 9/16	7891H	1	3250
	M316	MRA316	MIR316	MOR316	3.1496	6.6929	2 11/16	7891H	1	3550
	MC316	MRA316		MOR316	4	6.6929	2 11/16	7891H	1	3550
	RA316	RA316			4	6	2 15/32	7891H	1	3250
7	TM316	MRA316	30399	MOR316	3 1/2	6.6929	2 11/16	7891H	1	3550
	MRA316	MRA316			4	6	2 37/64	7891H	1	3550
	317	RA317	IR317	OR317	3.3465	7.0866	2 3/4	7882H	1	3700
	C317	RA317		OR317	4 1/4	7.0866	2 3/4	7882H	1	3700
	M317	MRA317	MIR317	MOR317	3.3465	7.0866	2 7/8	7882H	1	4050
	MC317	MRA317		MOR317	4 1/4	7.0866	2 7/8	7882H	1	4050
	RA317	RA317			4 1/4	6 1/4	2 41/64	7882H	1	3700
8	TM317	MRA317	30400	MOR317	3 3/4	7.0866	2 7/8	7882H	1	4050
	MRA317	MRA317			4 1/4	6 1/4	2 49/64	7882H	1	4050
	318	RA318	IR318	OR318	3.5433	7.4803	3	7894H	1 1/16	4300
	C318	RA318		OR318	4 1/2	7.4803	3	7894H	1 1/16	4300
	RA318	RA318			4 1/2	6 5/8	2 57/64	7894H	1 1/16	4300
	319	RA319	IR319	OR319	3.7402	7.8740	3 1/8	7898H	1 1/8	4800
	C319	RA319		OR319	4 3/4	7.8740	3 1/8	7898H	1 1/8	4800
	M319	MRA319	MIR319	MOR319	3.7402	7.8740	3 1/16	7898H	1 1/8	4600
	MC319	MRA319		MOR319	4 3/4	7.8740	3 1/16	7898H	1 1/8	4600
	RA319	RA319			4 3/4	7	3	7898H	1 1/8	4800
9	TM319	MRA319	30401	MOR319	4	7.8740	3 1/16	7898H	1 1/8	4600
	MRA319	MRA319			4 3/4	7	2 61/64	7898H	1 1/8	4600

1—Inner ring width 3 with one notch.
2—Inner ring width 3 with one notch.
3—Inner ring width 3 1/2 with one notch.
4—Inner ring width 3 1/2 with one notch.
5—Inner ring width 3 3/8 with one notch.
6—Inner ring width 3 3/8 with one notch.
7—Inner ring width 3 3/8 with one notch.
8—Inner ring width 4 3/8 with one notch.
9—Inner ring width 4 3/8 with one notch.

NUMERICAL LIST OF NDH WOUND HY-ROLL BEARINGS-Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	320	RA320	IR320	OR320	3.9370	8.4646	3 1/4	7899H	1 1/4	5200
	C320	RA320		OR320	5	8.4646	1/4	7899H	1 1/4	5200
	RA320	RA320			5	7 1/2	3 1/8	7899H	1 1/4	5200
	322	RA322	IR322	OR322	4.3307	9.4488	3 3/4	7794H	1 3/8	5500
	C322	RA322		OR322	5 1/2	9.4488	3 3/4	7794H	1 3/8	5500
	M322	MRA322	MIR322	MOR322	4.3307	9.4488	3 5/8	7794H	1 3/8	6000
	MC322	MRA322		MOR322	5 1/2	9.4488	3 5/8	7794H	1 3/8	6000
	RA322	RA322			5 1/2	8 1/4	3 5/8	7794H	1 3/8	5500
	MRA322	MRA322			5 1/2	8 1/4	3 33/64	7794H	1 3/8	6000
	324	RA324	IR324	OR324	4.7244	10.2362	4 1/8	7795H	1 3/8	7100
	C324	RA324		OR324	6 1/16	10.2362	4 1/8	7795H	1 3/8	7100
	RA324	RA324			6 1/16	8 13/16	4	7795H	1 3/8	7100
	326	RA326	IR326	OR326	5.1181	11.0236	4 3/8	7739H	1 1/2	8100
	C326	RA326		OR326	6 9/16	11.0236	4 3/8	7739H	1 1/2	8100
	RA326	RA326			6 9/16	9 9/16	4 15/64	7739H	1 1/2	8100
	SC404	SRA404		OR305	1 1/8	2.4409	1 1/8	7203	1/2	490
	SRA404	SRA404			1 1/8	2 1/8	1 5/64	7203	1/2	490
	S405	SRA405	IR405	OR306	.9843	2.8346	1 3/16	7200	9/16	640
	SC405	SRA405		OR306	1 3/8	2.8346	1 3/16	7200	9/16	640
	SRA405	SRA405			1 3/8	2 1/2	1 1/8	7200	9/16	640
	S406	SRA406	IR406	OR307	1.1811	3.1496	1 3/8	7386	9/16	890
	SC406	SRA406		OR307	1 5/8	3.1496	1 3/8	7386	9/16	890
	ARA406	ARA406			1 5/8	2 3/4	31/32	7386	9/16	570
	ASC406	ARA406		OR208	1 5/8	3.1496	1	7386	9/16	570
	SRA406	SRA406			1 5/8	2 3/4	1 5/16	7386	9/16	890
	RA409	RA409			2 1/4	4 1/8	1 27/32	7881H	15/16	1820
	00376	00376			4	6 1/4	4 51/64	7876H	1 1/8	1400
	00386	00386			3 1/2	5 3/4	3 51/64	7878H	1 1/8	1140
	00387	00387			3 1/2	5 3/4	4 51/64	7878H	1 1/8	1500
	00389	00389			3 1/2	5 3/4	6 51/64	7878H	1 1/8	2250
	00398	00398			4	6 1/4	3 51/64	7876H	1 1/8	2300
	00400	00400			4	6 1/4	5 51/64	7876H	1 1/8	1760
	00401	00401			4	6 1/4	6 51/64	7876H	1 1/8	2100
	00417	00417			4 1/2	7	3 13/16	7844H	1 1/4	1120
	00418	00418			4 1/2	7	4 13/16	7844H	1 1/4	1460
	00419	00419			4 1/2	7	5 13/16	7844H	1 1/4	1820
	00420	00420			4 1/2	7	6 13/16	7844H	1 1/4	2200
	00429	00429			5	7 1/2	3 51/64	7877H	1 1/4	1140
	00430	00430			5	7 1/2	4 51/64	7877H	1 1/4	1380
	00431	00431			5	7 1/2	5 51/64	7877H	1 1/4	1700
	00432	00432			5	7 1/2	6 51/64	7877H	1 1/4	2050
	00490	00490			6	8 1/2	4 51/64	7879H	1 1/4	1160
	00491	00491			6	8 1/2	5 51/64	7879H	1 1/4	1440
	00492	00492			6	8 1/2	6 51/64	7879H	1 1/4	1740
	00495	00495			5 3/4	8 1/4	3 51/64	7880H	1 1/4	960
	00496	00496			5 3/4	8 1/4	4 51/64	7880H	1 1/4	1260
	00498	00498			5 3/4	8 1/4	6 51/64	7880H	1 1/4	1880
	00507	00507			7	9 3/4	6 51/64	7873H	1 3/8	1260
	00511	00511			2 1/2	4 3/8	4 55/64	7714H	15/16	1440
	00513	00513			3 1/4	5 1/4	3 23/64	7810	1	1560
	00540	00540			1 1/4	2 1/8	2 55/64	7719	7/16	510
	00544	00544			3	5	5 25/32	7857H	1	1880
	00545	00545			2 1/2	4 3/8	5 25/32	7714H	15/16	1800
	00546	00546			3	5	6 13/16	7857H	1	2100
	00547	00547			2 3/4	4 5/8	5 25/32	7730H	15/16	1800
	01059	01059			2 1/8	3 3/8	3 7/8	1494	5/8	920
	01075	01075			1 1/2	2 5/8	2 55/64	7787	9/16	550
	01078	01078			1 1/8	2	1 7/8	1424	7/16	275
	01079	01079			1 3/16	2 3/16	1 7/8	1489	1/2	285
	01081	01081			2	3 1/4	4 7/8	1458	5/8	1220
	01084	01084			1 1/4	2 1/4	2 23/64	7722	1/2	390
	01085	01085			1 3/16	2 3/16	2 7/8	1489	1/2	460
	01087	01087			1 1/2	2 5/8	3 55/64	7787	9/16	760
	01090	01090			1 3/4	2 7/8	2 7/8	1463	9/16	600
	01093	01093			1 3/4	2 7/8	4 7/8	1463	9/16	1100
	01105	01105			1 5/8	2 3/4	2 55/64	7597	9/16	590
	01120	01120			1 7/16	1 15/16	2 3/8	1419	3/4	530
	01165	01165			1	1 3/4	3 55/64	7731	3/8	550

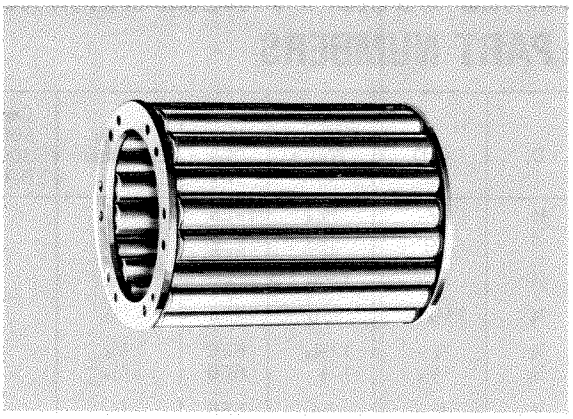
NUMERICAL LIST OF NDH WOUND HY-ROLL BEARINGS-Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	01173	01173			1 1/4	2 1/4	1 55/64	7722	1/2	295
	01179	01179			1 7/16	2 9/16	3 55/64	7584	9/16	740
	01183	01183			1 1/2	2 5/8	4 55/64	7787	9/16	970
	01190	01190			1 11/16	2 13/16	3 7/8	1438	9/16	840
	01201	01201			1 15/16	3 3/16	2 7/8	1402	5/8	680
	01203	01203			1 15/16	3 3/16	3 7/8	1402	5/8	940
	01204	01204			1 15/16	3 3/16	4 7/8	1402	5/8	1180
	01208	01208			2	3 1/4	3 7/8	1458	5/8	950
	02016	02016			1 1/4	2 1/2	2 3/8	2426	5/8	370
	02156	02156			1	2	1 7/8	2404	1/2	305
	04003	04003			3	5	3 25/32	7808	1	1340
	04010	04010			2 1/2	4 3/8	3 25/32	7785	15/16	1100
	04015	04015			1 1/2	3	3 25/32	7852	3/4	890
	04030	04030			2 1/2	4 3/8	6 25/32	7785	15/16	2050
	04099	04099			2 3/4	4 5/8	2 25/32	8700	15/16	770
	04322	04322			2	3 3/4	4 25/32	7753	7/8	1340
	04327	04327			2 3/16	3 15/16	2 25/32	7764	7/8	740
	04334	04334			2 1/4	4	2 25/32	7768	7/8	760
	04362	04362			3	5	4 25/32	7808	1	1640
	16168	00540		4460	1 1/4	2 5/16	3	7719	7/16	285
	16476	16873		35053	1 1/2	3	2	7787	9/16	920
	16810	16810			1	2	2 7/8	2419	1/2	500
	16842	16842			1 7/8	3	1 7/8	1411	9/16	405
	16844	16844			5 1/4	6 1/4	1 25/64	7579	1/2	188
	16857	16857			1 3/4	2 7/8	1 7/8	1463	9/16	385
	16868	16868			1 5/8	2 3/4	3 55/64	7597	9/16	810
	16873	16873			1 1/2	2 5/8	1 55/64	7787	9/16	345
	16894	16894			1 3/8	2 3/8	3 7/8	1488	1/2	720
	16896	16896			1 1/8	2	3 7/8	1424	7/16	610
	16907	16907			1 1/4	2	2 55/64	7701	3/8	445
	16959	16959			1 1/8	2	2 3/8	1424	7/16	365
	16962	16962			1	1 3/4	1 55/64	7731	3/8	250
	16963	16963			1 1/4	2 1/4	2 55/64	7722	1/2	480
	16984	16984			1	1 3/4	2 55/64	7731	3/8	400
	16989	16989			1 1/4	2 1/4	3 55/64	7722	1/2	660
	16992	16992			1	2	57/64	2419	1/2	110
	17010	16992		33001	1	2 1/4	1	7731	3/8	295
	17012	17900		33003	1 1/8	2 3/8	1	1400	5/8	265
	17900	17900			1 1/8	2 1/8	57/64	1400	1/2	104
	17926	17926			1 1/2	2 5/8	2 23/64	7787	9/16	455
	18125	16962		4430	1	1 15/16	2	7731	3/8	138
	18152	16959		4446	1 1/8	2 3/16	2 1/2	1424	7/16	202
	18160	16896		4500	1 1/8	2 3/16	4	1424	7/16	340
	18175	01079		4426	1 3/16	2 3/8	2	1489	1/2	158
	18180	01085		4451	1 3/16	2 3/8	3	1489	1/2	255
	18195	01173		4431	1 1/4	2 7/16	2	7722	1/2	164
	18200	16963		4452	1 1/4	2 7/16	3	7722	1/2	265
	18205	16989		4502	1 1/4	2 7/16	4	7722	1/2	365
	18255	01179		4506	1 7/16	2 3/4	4	7584	9/16	410
	18270	16873		4435	1 1/2	2 13/16	2	7787	9/16	190
	18272	17926		4797	1 1/2	2 13/16	2 1/2	7787	9/16	250
	18275	01075		4455	1 1/2	2 13/16	3	7787	9/16	305
	18300	01105		4459	1 5/8	2 15/16	3	7597	9/16	330
	18325	01190		4510	1 11/16	3	4	1438	9/16	470
	18355	01093		4560	1 3/4	3 1/16	5	1463	9/16	610
	18395	01201		4469	1 15/16	3 7/16	3	1402	5/8	375
	18400	01203		4515	1 15/16	3 7/16	4	1402	5/8	520
	18401	01203		4691	1 15/16	3 7/16	4	1402	5/8	520
	18425	01208		4517	2	3 1/2	4	1458	5/8	530
	18450	01059		4540	2 1/8	3 5/8	4	1494	5/8	510
	26314	02156	32002		3/4	2	2	2404	1/2	295
	29197	02016		4772	1 1/4	2 11/16	2 1/2	2426	5/8	215
	40006	01090		4806	1 3/4	3 1/16	3	1463	9/16	305
	40007	04010		4807	2 1/2	4 5/8	4	7785	15/16	610
	40010	00386		4272	3 1/2	6 1/8	4	7878H	1 1/8	950
	40013	00545		4617	2 1/2	4 5/8	6	7714H	15/16	1000

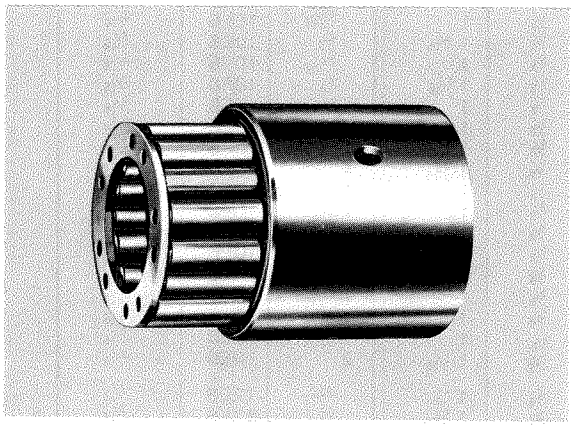
NUMERICAL LIST OF NDH WOUND HY-ROLL BEARINGS - Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	40014	00546		4661	3	5 1/4	7	7857H	1	1160
	40015	00387		4300	3 1/2	6 1/8	5	7878H	1 1/8	1220
	40025	00389		4349	3 1/2	6 1/8	7	7878H	1 1/8	1740
	40066	00376		4301	4	6 5/8	5	7876H	1 1/8	1400
	40071	00400		4331	4	6 5/8	6	7876H	1 1/8	1680
	40075	00401		4350	4	6 5/8	7	7876H	1 1/8	2000
	40265	00490		4307	6	8 7/8	5	7879H	1 1/4	1840
	40270	00491		4312	6	8 7/8	6	7879H	1 1/4	2260
	40274	00492		4357	6	8 7/8	7	7879H	1 1/4	2560
	40365	00418		4302	4 1/2	7 3/8	5	7844H	1 1/4	1500
	40370	00419		4332	4 1/2	7 3/8	6	7844H	1 1/4	1840
	40374	00420		4347	4 1/2	7 3/8	7	7844H	1 1/4	2150
	40410	00429		4275	5	7 7/8	4	7877H	1 1/4	1220
	40415	00430		4303	5	7 7/8	5	7877H	1 1/4	1560
	40420	00431		4333	5	7 7/8	6	7877H	1 1/4	1900
	40424	00432		4348	5	7 7/8	7	7877H	1 1/4	2250
	40485	00495		4269	5 3/4	8 5/8	4	7880H	1 1/4	1340
	40490	00496		4304	5 3/4	8 5/8	5	7880H	1 1/4	1720
	40498	00507		4235	7	10 1/8	7	7873H	1 3/8	2600
	40499	00498		4356	5 3/4	8 5/8	7	7880H	1 1/4	2450
	40515	00387	30243	4300	3	6 1/8	5	7878H	1 1/8	2200
	40870	00419	30252	4332	4	7 3/8	6	7844H	1 1/4	3300
	40985	00495	30261	4269	5	8 5/8	4	7880H	1 1/4	2400
	40999	00498	30306	4356	5	8 5/8	7	7880H	1 1/4	4450
	41010	00386		35022	3 1/2	6 3/8	4	7878H	1 1/8	5300
	46146	00511		4574	2 1/2	4 5/8	5	7714H	15/16	800
	46430	00513		33030	3 1/4	5 5/8	3 1/2	7810	1	4700
	46853	46853			1 7/16	2 9/16	2 9/32	7874	9/16	435
	46904	46904			2 1/2	4 3/8	2 55/64	7785	15/16	810
	46905	46905			2 3/16	3 15/16	4 25/32	7764	7/8	1300
	46979	46979			1 5/8	3	3 51/64	7858	11/16	810
	47124	47591	32063	33015	1 1/2	3 3/4	1 1/4	7872	3/4	560
	47184	04099	32074	33026	2 1/4	5	3	7800	15/16	2550
	47524	RA210/WRA210	30049	31040	1 15/16	3.5433	3 13/16		3/8	2550
	47575	47575			2 3/4	4 5/8	1 23/64	7800	15/16	156
	47591	47591			1 7/8	3 3/8	1 7/64	7872	3/4	106
	48247	46853		4799	1 7/16	2 3/4	2 1/2	7874	9/16	240
	49430	04322		4566	2	4	5	7753	7/8	740
	49470	04327		4477	2 3/16	4 3/16	3	7764	7/8	415
	49480	46905		4568	2 3/16	4 3/16	5	7764	7/8	720
	49495	04334		4719	2 1/4	4 1/4	3	7768	7/8	420
	49573	46904		4716	2 1/2	4 5/8	3	7785	15/16	450
	49590	04030		4653	2 1/2	4 5/8	7	7785	15/16	1140
	49661	00547		4621	2 3/4	4 7/8	6	7730H	15/16	1000
	49725	04003		4534	3	5 1/4	4	7808	1	740
	49730	04362		4582	3	5 1/4	5	7808	1	910
	49737	00544		4625	3	5 1/4	6	7857H	1	1040

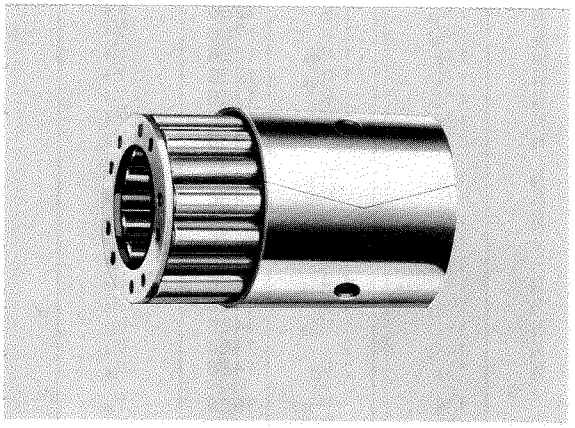
NDH 90000 SERIES SOLID HY-ROLL BEARINGS



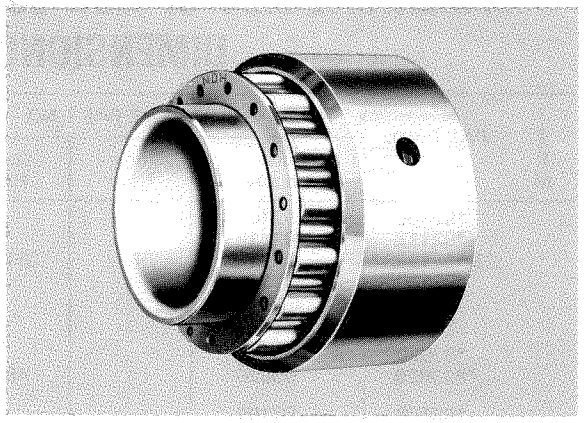
90000 series Hy-Roll assembly



S 90000 series solid outer ring Hy-Roll bearing



HP 90000 series split outer ring Hy-Roll bearing



99200 and 99300 series Hy-Roll bearings

92000 93000 94000 95000 96000 Series

The bearing number contains five digits, the first of which is always 9.

The second digit indicates the roller diameter. When this is 2 the roller diameter is 5/32". When the digit is 3, the roller diameter is 3/16". When it is 4, 5 or 6, the roller diameter is 1/4", 5/16" or 3/8".

The third digit denotes the shaft diameter in the following manner:

Third Digit	*Shaft Diameter*
1	1/2"
2	5/8"
3	3/4"
4	7/8"
5	1"
6	1 1/8"
7	1 1/4"
8	1 3/8"
9	1 1/2"

The fourth and fifth digits give the bearing length in sixteenths of an inch.

The five digit number by itself, denotes a roller assembly only, with no outer ring.

The bearing number with the prefix S, denotes a bearing consisting of a roller assembly and solid outer ring.

The bearing number with the prefix HP, denotes a bearing consisting of a roller assembly and split outer ring.

99000 Series—all special dimension bearings. Identify by dimensions and end ring numbers. See Tables VI and VII.

99200 and 99300 Series

The bearings in these two series are solid roller replacements of the wound Hy-Roll 200 and 300 series; thus 99210 is interchangeable with 210 and 99311 with 311, etc.

TABLE III

NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS DIMENSIONS AND PART NUMBERS

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	*92108	92108			1/2	13/16	31/64	18E5	5/32	210
	*92112	92112			1/2	13/16	23/32	8E5	5/32	320
	*SA92112	92112		35158	1/2	15/16	3/4	8E5	5/32	320
	*92120	92120			1/2	13/16	1 13/64	8E5	5/32	510
	92316	92316			3/4	1 1/16	31/32	12E5	5/32	500
	*93020	93020			3/8	3/4	1 13/64	6E6	3/16	480
	*P93020	93020		4849	3/8	13/16	1 1/4	6E6	3/16	240
	*93108	93108			1/2	7/8	31/64	8E6	3/16	250
	93112	93112			1/2	7/8	23/32	8E6	3/16	380
	*93116	93116			1/2	7/8	31/32	8E6	3/16	510
	93120	93120			1/2	7/8	1 13/64	8E6	3/16	610
	*HP93120	93120		4690	1/2	15/16	1 1/4	8E6	3/16	305
	*93124	93124			1/2	7/8	1 29/64	8E6	3/16	710
	*HP93124	93124		4889	1/2	15/16	1 1/2	8E6	3/16	355
	93128	93128			1/2	7/8	1 11/16	8E6	3/16	810
	*HP93128	93128		4888	1/2	15/16	1 3/4	8E6	3/16	405
	*93208	93208			5/8	1	31/64	10E6	3/16	270
	*93210	93210			5/8	1	37/64	10E6	3/16	330
	*S93210	93210		31038	5/8	1 3/16	5/8	10E6	3/16	330
	93212	93212			5/8	1	23/32	10E6	3/16	410
	*HP93212	93212		4687	5/8	1 1/16	3/4	10E6	3/16	205
	*93214	93214			5/8	1	53/64	10E6	3/16	470
	93216	93216			5/8	1	31/32	10E6	3/16	540
	*S93216	93216		31250	5/8	1 3/16	1	10E6	3/16	540
	*HP93216	93216		4887	5/8	1 1/16	1	10E6	3/16	270
	*93218	93218			5/8	1	1 5/64	10E6	3/16	590
	93220	93220			5/8	1	1 13/64	10E6	3/16	650
	*HP93220	93220		4851	5/8	1 1/16	1 1/4	10E6	3/16	325
	93224	93224			5/8	1	1 29/64	10E6	3/16	760
	HP93224	93224		4814	5/8	1 1/16	1 1/2	10E6	3/16	380
	*93228	93228			5/8	1	1 11/16	10E6	3/16	850
	*HP93228	93228		4890	5/8	1 1/16	1 3/4	10E6	3/16	425
	*93232	93232			5/8	1	1 15/16	10E6	3/16	950
	*HP93232	93232		4891	5/8	1 1/16	2	10E6	3/16	475
	93312	93312			3/4	1 1/8	23/32	12E6	3/16	450
	*S93312	93312		31041	3/4	1 5/16	3/4	12E6	3/16	450
	*HP93312	93312		4892	3/4	1 3/16	3/4	12E6	3/16	225
	93314	93314			3/4	1 1/8	53/64	12E6	3/16	520
	S93314	93314		31039	3/4	1 5/16	7/8	12E6	3/16	520
	93316	93316			3/4	1 1/8	31/32	12E6	3/16	590
	S93316	93316		31253	3/4	1 5/16	1	12E6	3/16	590
	HP93316	93316		4375A	3/4	1 3/16	1	12E6	3/16	295
	93320	93320			3/4	1 1/8	1 13/64	12E6	3/16	720
	*HP93320	93320		4820	3/4	1 3/16	1 1/4	12E6	3/16	360
	*93322	93322			3/4	1 1/8	1 21/64	12E6	3/16	770
	93324	93324			3/4	1 1/8	1 29/64	12E6	3/16	840
	S93324	93324		31254	3/4	1 5/16	1 1/2	12E6	3/16	840
	*HP93324	93324		4121	3/4	1 3/16	1 1/2	12E6	3/16	420
	*93326	93326			3/4	1 1/8	1 37/64	12E6	3/16	900
	93328	93328			3/4	1 1/8	1 11/16	12E6	3/16	950
	HP93328	93328		4828	3/4	1 3/16	1 3/4	12E6	3/16	475
	93332	93332			3/4	1 1/8	1 15/16	12E6	3/16	1050
	*HP93332	93332		4815	3/4	1 3/16	2	12E6	3/16	525
	93412	93412			7/8	1 1/4	23/32	14E6	3/16	470
	*93416	93416			7/8	1 1/4	31/32	14E6	3/16	620
	93420	93420			7/8	1 1/4	1 13/64	14E6	3/16	750
	93424	93424			7/8	1 1/4	1 29/64	14E6	3/16	870
	HP93424	93424		4822	7/8	1 5/16	1 1/2	14E6	3/16	435
	93428	93428			7/8	1 1/4	1 11/16	14E6	3/16	990
	*HP93428	93428		4835	7/8	1 5/16	1 3/4	14E6	3/16	495
	*93432	93432			7/8	1 1/4	1 15/16	14E6	3/16	1090
	*HP93432	93432		4834	7/8	1 5/16	2	14E6	3/16	545
	93436	93436			7/8	1 1/4	2 3/16	14E6	3/16	1190
	*93514	93514			1	1 3/8	53/64	16E6	3/16	580
	93516	93516			1	1 3/8	31/32	16E6	3/16	670

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS–Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	S93516	93516		31275	1	1 9/16	1	16E6	3/16	670
	*HP93516	93516		4896	1	1 7/16	1	16E6	3/16	335
	93524	93524			1	1 3/8	1 29/64	16E6	3/16	940
	S93524	93524		31256	1	1 9/16	1 1/2	16E6	3/16	940
	HP93524	93524		4377	1	1 7/16	1 1/2	16E6	3/16	470
	*93528	93528			1	1 3/8	1 11/16	16E6	3/16	1070
	*HP93528	93528		4547	1	1 7/16	1 3/4	16E6	3/16	535
	93532	93532			1	1 3/8	1 15/16	16E6	3/16	1180
	S93532	93532		31257	1	1 9/16	2	16E6	3/16	1180
	HP93532	93532		4378	1	1 7/16	2	16E6	3/16	590
	93540	93540			1	1 3/8	2 7/16	16E6	3/16	1430
	*S93540	93540		31258	1	1 9/16	2 1/2	16E6	3/16	1430
	*HP93540	93540		4899	1	1 7/16	2 1/2	16E6	3/16	715
	93616	93616			1 1/8	1 1/2	31/32	18E6	3/16	700
	*S93616	93616		31048	1 1/8	1 3/4	1	18E6	3/16	700
	HP93616	93616		4836	1 1/8	1 9/16	1	18E6	3/16	350
	93624	93624			1 1/8	1 1/2	1 29/64	18E6	3/16	970
	HP93624	93624		4811	1 1/8	1 9/16	1 1/2	18E6	3/16	485
	93628	93628			1 1/8	1 1/2	1 11/16	18E6	3/16	1100
	93632	93632			1 1/8	1 1/2	1 15/16	18E6	3/16	1220
	HP93632	93632		4840	1 1/8	1 9/16	2	18E6	3/16	610
	*93716	93716			1 1/4	1 5/8	31/32	20E6	3/16	720
	*S93716	93716		35148	1 1/4	1 7/8	1	20E6	3/16	720
	*HP93716	93716		4641	1 1/4	1 3/4	1	20E6	3/16	360
	93728	93728			1 1/4	1 5/8	1 11/16	20E6	3/16	1140
	HP93728	93728		4548	1 1/4	1 3/4	1 3/4	20E6	3/16	570
	93816	93816			1 3/8	1 3/4	31/32	22E6	3/16	760
	*S93816	93816		35011	1 3/8	2	1	22E6	3/16	760
	*93824	93824			1 3/8	1 3/4	1 29/64	22E6	3/16	1070
	*93828	93828			1 3/8	1 3/4	1 11/16	22E6	3/16	1210
	*94112	94112			1/2	1	23/32	8E8	1/4	500
	*HP94112	94112		4687	1/2	1 1/16	3/4	8E8	1/4	250
	*94116	94116			1/2	1	31/32	8E8	1/4	670
	*S94116	94116		31250	1/2	1 3/16	1	8E8	1/4	670
	*HP94116	94116		4887	1/2	1 1/16	1	8E8	1/4	335
	*94124	94124			1/2	1	1 29/64	8E8	1/4	960
	*HP94124	94124		4814	1/2	1 1/16	1 1/2	8E8	1/4	480
	*94128	94128			1/2	1	1 11/16	8E8	1/4	1080
	*HP94128	94128		4890	1/2	1 1/16	1 3/4	8E8	1/4	540
	94132	94132			1/2	1	1 15/16	8E8	1/4	1200
	*HP94132	94132		4891	1/2	1 1/16	2	8E8	1/4	600
	*94216	94216			5/8	1 1/8	31/32	10E8	1/4	770
	*S94216	94216		31253	5/8	1 5/16	1	10E8	1/4	770
	*HP94216	94216		4375A	5/8	1 3/16	1	10E8	1/4	385
	94220	94220			5/8	1 1/8	1 13/64	10E8	1/4	940
	*HP94220	94220		4820	5/8	1 3/16	1 1/4	10E8	1/4	470
	94224	94224			5/8	1 1/8	1 29/64	10E8	1/4	1100
	S94224	94224		31254	5/8	1 5/16	1 1/2	10E8	1/4	1100
	*HP94224	94224		4121	5/8	1 3/16	1 1/2	10E8	1/4	550
	94228	94228			5/8	1 1/8	1 11/16	10E8	1/4	1250
	HP94228	94228		4828	5/8	1 3/16	1 3/4	10E8	1/4	625
	94232	94232			5/8	1 1/8	1 15/16	10E8	1/4	1380
	*HP94232	94232		4815	5/8	1 3/16	2	10E8	1/4	690
	94316	94316			3/4	1 1/4	31/32	12E8	1/4	820
	94318	94318			3/4	1 1/4	1 5/64	12E8	1/4	910
	94320	94320			3/4	1 1/4	1 13/64	12E8	1/4	1000
	94322	94322			3/4	1 1/4	1 21/64	12E8	1/4	1090
	94324	94324			3/4	1 1/4	1 29/64	12E8	1/4	1170
	*HP94324	94324		4822	3/4	1 5/16	1 1/2	12E8	1/4	585
	*94328	94328			3/4	1 1/4	1 11/16	12E8	1/4	1330
	*HP94328	94328		4835	3/4	1 5/16	1 3/4	12E8	1/4	665
	94332	94332			3/4	1 1/4	1 15/16	12E8	1/4	1470
	*HP94332	94332		4834	3/4	1 5/16	2	12E8	1/4	735
	94334	94334			3/4	1 1/4	2 1/16	12E8	1/4	1530
	94338	94338			3/4	1 1/4	2 19/64	12E8	1/4	1660
	*94340	94340			3/4	1 1/4	2 7/16	12E8	1/4	1750
	*HP94340	94340		4898	3/4	1 5/16	2 1/2	12E8	1/4	875

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS–Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	*94412	94412			7/8	1 3/8	23/32	14E8	1/4	650
	94416	94416			7/8	1 3/8	31/32	14E8	1/4	860
	S94416	94416		31275	7/8	1 9/16	1	14E8	1/4	860
	*HP94416	94416		4896	7/8	1 7/16	1	14E8	1/4	430
	94420	94420			7/8	1 3/8	1 13/64	14E8	1/4	1050
	94422	94422			7/8	1 3/8	1 21/64	14E8	1/4	1150
	94424	94424			7/8	1 3/8	1 29/64	14E8	1/4	1230
	S94424	94424		31256	7/8	1 9/16	1 1/2	14E8	1/4	1230
	HP94424	94424		4377	7/8	1 7/16	1 1/2	14E8	1/4	615
	*94426	94426			7/8	1 3/8	1 37/64	14E8	1/4	1310
	94428	94428			7/8	1 3/8	1 11/16	14E8	1/4	1380
	HP94428	94428		4547	7/8	1 7/16	1 3/4	14E8	1/4	690
	94432	94432			7/8	1 3/8	1 15/16	14E8	1/4	1550
	S94432	94432		31257	7/8	1 9/16	2	14E8	1/4	1550
	HP94432	94432		4378	7/8	1 7/16	2	14E8	1/4	775
	94436	94436			7/8	1 3/8	2 3/16	14E8	1/4	1690
	*HP94436	94436		4686	7/8	1 7/16	2 1/4	14E8	1/4	845
	*94440	94440			7/8	1 3/8	2 7/16	14E8	1/4	1850
	*S94440	94440		31258	7/8	1 9/16	2 1/2	14E8	1/4	1850
	*HP94440	94440		4899	7/8	1 7/16	2 1/2	14E8	1/4	925
	94516	94516			1	1 1/2	31/32	16EA8	1/4	980
	*S94516	94516		31048	1	1 3/4	1	16EA8	1/4	980
	HP94516	94516		4836	1	1 9/16	1	16EA8	1/4	490
	SA94516	94516		31262	1	1 11/16	1	16EA8	1/4	980
	94518	94518			1	1 1/2	1 5/64	16E8	1/4	1010
	*HP94518	94518		4598	1	1 9/16	1 1/8	16E8	1/4	505
	94520	94520			1	1 1/2	1 13/64	16EA8	1/4	1190
	94524	94524			1	1 1/2	1 29/64	16E8	1/4	1290
	HP94524	94524		4811	1	1 9/16	1 1/2	16E8	1/4	645
	*HPA94524	94524		4637	1	1 5/8	1 1/2	16E8	1/4	645
	94526	94526			1	1 1/2	1 37/64	16E8	1/4	1370
	94528	94528			1	1 1/2	1 11/16	16E8	1/4	1450
	94532	94532			1	1 1/2	1 15/16	16E8	1/4	1620
	HP94532	94532		4840	1	1 9/16	2	16E8	1/4	810
	*SA94532	94532		31260	1	1 11/16	2	16E8	1/4	1620
	*94536	94536			1	1 1/2	2 3/16	16E8	1/4	1780
	94540	94540			1	1 1/2	2 7/16	16E8	1/4	1930
	*HP94540	94540		4831	1	1 9/16	2 1/2	16E8	1/4	965
	*94612	94612			1 1/8	1 1/2	23/32	18E8	1/4	710
	94616	94616			1 1/8	1 1/2	31/32	18E8	1/4	950
	S94616	94616		35148	1 1/8	1 7/8	1	18E8	1/4	950
	*HP94616	94616		4641	1 1/8	1 3/4	1	18E8	1/4	475
	94620	94620			1 1/8	1 5/8	1 13/64	18E8	1/4	1150
	HP94620	94620		4699	1.1250	1.7500	1 1/4	18E8	1/4	575
	94622	94622			1 1/8	1 5/8	1 21/64	18E8	1/4	1250
	94624	94624			1 1/8	1 5/8	1 29/64	18E8	1/4	1350
	94626	94626			1 1/8	1 5/8	1 37/64	18E8	1/4	1450
	94628	94628			1 1/8	1 5/8	1 11/16	18E8	1/4	1530
	HP94628	94628		4548	1 1/8	1 3/4	1 3/4	18E8	1/4	765
	SA94628	94628		31067	1 1/8	1 15/16	1 3/4	18E8	1/4	1530
	*SB94628	94628		31073	1.1250	1.9369	1 3/4	18E8	1/4	1530
	94632	94632			1 1/8	1 5/8	1 15/16	18E8	1/4	1690
	*HP94632	94632		4838	1 1/8	1 3/4	2	18E8	1/4	845
	*94636	94636			1 1/8	1 5/8	2 3/16	18E8	1/4	1850
	*94640	94640			1 1/8	1 5/8	2 7/16	18E8	1/4	2020
	*HP94640	94640		4839	1 1/8	1 3/4	2 1/2	18E8	1/4	1010
	94712	94712			1 1/4	1 3/4	23/32	20E8	1/4	740
	94716	94716			1 1/4	1 3/4	31/32	20E8	1/4	980
	*S94716	94716		35011	1 1/4	2	1	20E8	1/4	980
	94720	94720			1 1/4	1 3/4	1 13/64	20E8	1/4	1200
	*S94720	94720		31072	1 1/4	2	1 1/4	20E8	1/4	1200
	94724	94724			1 1/4	1 3/4	1 29/64	20E8	1/4	1400
	*HPA94724	94724		4827	1 1/4	1 15/16	1 1/2	20E8	1/4	700
	94726	94726			1 1/4	1 3/4	1 37/64	20E8	1/4	1490
	S94726	94726		31036	1 1/4	2	1 5/8	20E8	1/4	1490
	*SA94726	94726		35034	1 1/4	2 1/16	1 5/8	20E8	1/4	1490
	94728	94728			1.2500	1.7500	1 11/16	20E8	1/4	1580
	94732	94732			1 1/4	1 3/4	1 15/16	20E8	1/4	1760
	*HP94732	94732		4549	1 1/4	1 7/8	2	20E8	1/4	880
	*PA94732	94732		4430	1 1/4	1 15/16	2	20E8	1/4	880
	*HPA94732	94732		4821	1 1/4	1 15/16	2	20E8	1/4	880

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS–Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	94736	94736			1 1/4	1 3/4	2 3/16	20E8	1/4	1930
	94740	94740			1 1/4	1 3/4	2 7/16	20E8	1/4	2110
	S94740	94740		31043	1 1/4	2	2 1/2	20E8	1/4	2110
	*HP94740	94740		4895	1 1/4	1 7/8	2 1/2	20E8	1/4	1055
	*PA94740	94740		4445	1 1/4	1 15/16	2 1/2	20E8	1/4	1055
	94748	94748			1 1/4	1 3/4	2 29/32	20E8	1/4	2380
	*HP94748	94748		4886	1 1/4	1 7/8	3	20E8	1/4	1190
	*PA94748	94748		4466	1.2500	1.9375	3	20E8	1/4	1190
	94820	94820			1 3/8	1 7/8	1 13/64	22E8	1/4	1240
	*94826	94826			1 3/8	1 7/8	1 37/64	22E8	1/4	1560
	*S94826	94826		31046	1 3/8	2 1/8	1 5/8	22E8	1/4	1560
	94828	94828			1 3/8	1 7/8	1 11/16	22E8	1/4	1640
	94916	94916			1 1/2	2	31/32	24E8	1/4	1060
	94920	94920			1 1/2	2	1 13/64	24E8	1/4	1290
	S94920	94920		31128	1 1/2	2 1/4	1 1/4	24E8	1/4	1290
	94932	94932			1 1/2	2	1 15/16	24E8	1/4	1900
	95316	95316			3/4	1 3/8	61/64	12E10	5/16	990
	S95316	95316		31275	3/4	1 9/16	1	12E10	5/16	990
	*HP95316	95316		4896	3/4	1 7/16	1	12E10	5/16	495
	95324	95324			3/4	1 3/8	1 29/64	12E10	5/16	1430
	S95324	95324		31256	3/4	1 9/16	1 1/2	12E10	5/16	1430
	HP95324	95324		4377	3/4	1 7/16	1 1/2	12E10	5/16	715
	95332	95332			3/4	1 3/8	1 15/16	12E10	5/16	1800
	S95332	95332		31257	3/4	1 9/16	2	12E10	5/16	1800
	HP95332	95332		4378	3/4	1 7/16	2	12E10	5/16	900
	95340	95340			3/4	1 3/8	2 7/16	12E10	5/16	2150
	*S95340	95340		31258	3/4	1 9/16	2 1/2	12E10	5/16	2150
	*HP95340	95340		4899	3/4	1 7/16	2 1/2	12E10	5/16	1075
	95416	95416			7/8	1 1/2	61/64	14E10	5/16	1060
	*S95416	95416		31048	7/8	1 3/4	1	14E10	5/16	1060
	*HP95416	95416		4836	7/8	1 9/16	1	14E10	5/16	530
	SA95416	95416		31262	7/8	1 11/16	1	14E10	5/16	1060
	95424	95424			7/8	1 1/2	1 29/64	14E10	5/16	1530
	*HP95424	95424		4811	7/8	1 9/16	1 1/2	14E10	5/16	765
	*95428	95428			7/8	1 1/2	1 11/16	14E10	5/16	1730
	95432	95432			7/8	1 1/2	1 15/16	14E10	5/16	1930
	HP95432	95432		4840	7/8	1 9/16	2	14E10	5/16	965
	*95440	95440			7/8	1 1/2	2 7/16	14E10	5/16	2300
	*HP95440	95440		4831	7/8	1 9/16	2 1/2	14E10	5/16	1150
	95520	95520			1	1 5/8	1 13/64	16EA10	5/16	1450
	*95524	95524			1	1 5/8	1 29/64	16EA10	5/16	1710
	*95528	95528			1	1 5/8	1 11/16	16EA10	5/16	1920
	*HP95528	95528		4548	1	1 3/4	1 3/4	16EA10	5/16	960
	95532	95532			1	1 5/8	1 15/16	16EA10	5/16	2140
	*HP95532	95532		4838	1	1 3/4	2	16EA10	5/16	1070
	95540	95540			1	1 5/8	2 7/16	16EA10	5/16	2570
	HP95540	95540		4839	1	1 3/4	2 1/2	16EA10	5/16	1285
	HPA95540	95540		4692	1	1 3/4	2 1/2	16EA10	5/16	1285
	95548	95548			1	1 5/8	2 57/64	16EA10	5/16	2920
	*P95548	95548		4647	1	1 13/16	3	16EA10	5/16	1460
	*HP95548	95548		4643	1	1 3/4	3	16EA10	5/16	1460
	95624	95624			1.1250	1.7500	1 7/16	18E10	5/16	1620
	95632	95632			1 1/8	1 3/4	1 15/16	18E10	5/16	2040
	*HP95632	95632		4549	1 1/8	1 7/8	2	18E10	5/16	1020
	*PA95632	95632		4430	1 1/8	1 15/16	2	18E10	5/16	1020
	95636	95636			1 1/8	1 3/4	2 3/16	18E10	5/16	2240
	95640	95640			1 1/8	1 3/4	2 7/16	18E10	5/16	2440
	S95640	95640		31043	1 1/8	2	2 1/2	18E10	5/16	2440
	*HP95640	95640		4895	1 1/8	1 7/8	2 1/2	18E10	5/16	1220
	*PA95640	95640		4445	1 1/8	1 15/16	2 1/2	18E10	5/16	1220
	*95648	95648			1 1/8	1 3/4	2 57/64	18E10	5/16	2770
	*HP95648	95648		4886	1 1/8	1 7/8	3	18E10	5/16	1385
	*PA95648	95648		4466	1 1/8	1 15/16	3	18E10	5/16	1385
	95716	95716			1 1/4	1 7/8	61/64	20EA10	5/16	1180
	*95718	95718			1 1/4	1 7/8	1 5/64	20EA10	5/16	1320
	95724	95724			1 1/4	1 7/8	1 29/64	20EA10	5/16	1710
	*HP95724	95724		4829	1 1/4	2	1 1/2	20EA10	5/16	855

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NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS– Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	95732	95732			1 1/4	1 7/8	1 15/16	20EA10	5/16	2140
	*HP95732	95732		4843	1 1/4	2	2	20EA10	5/16	1070
	*PA95732	95732		4845	1 1/4	2 1/16	2	20EA10	5/16	1070
	95740	95740			1 1/4	1 7/8	2 7/16	20EA10	5/16	2570
	HP95740	95740		4893	1 1/4	2	2 1/2	20EA10	5/16	1285
	*PA95740	95740		4381	1 1/4	2 1/16	2 1/2	20EA10	5/16	1285
	95748	95748			1 1/4	1 7/8	2 57/64	20EA10	5/16	2910
	HP95748	95748		4837	1 1/4	2	3	20EA10	5/16	1455
	*PA95748	95748		4591	1 1/4	2 1/16	3	20EA10	5/16	1455
	*95828	95828			1 3/8	2	1 11/16	22E10	5/16	2010 –
	95840	95840			1 3/8	2	2 7/16	22E10	5/16	2700
	*HP95840	95840		4885	1 3/8	2 1/8	2 1/2	22E10	5/16	2700
	95848	95848			1 3/8	2	2 57/64	22E10	5/16	3040
	HP95848	95848		4832	1 3/8	2 1/8	3	22E10	5/16	1520
	95912	95912			1 1/2	2 1/8	45/64	24E10	5/16	910
	95920	95920			1 1/2	2 1/8	1 13/64	24E10	5/16	1520
	*HP95920	95920		4689	1 1/2	2 1/4	1 1/4	24E10	5/16	760
	95928	95928			1 1/2	2 1/8	1 11/16	24E10	5/16	2010 –
	S95928	95928		31045	1 1/2	2 3/8	1 3/4	24E10	5/16	2010
	95932	95932			1 1/2	2 1/8	1 15/16	24E10	5/16	2260
	HP95932	95932		4387	1 1/2	2 1/4	2	24E10	5/16	1130
	95940	95940			1 1/2	2 1/8	2 7/16	24E10	5/16	2700
	HP95940	95940		4395	1 1/2	2 1/4	2 1/2	24E10	5/16	1350
	96516	96516			1	1 3/4	31/32	16E12	3/8	1050
	*PA96516	96516		4400	1	1 15/16	1	16E12	3/8	525
	SA96516	96516		OR304	1	2.0472	1	16E12	3/8	1050
	96524	96524			1	1 3/4	1 29/64	16E12	3/8	1880
	*PA96524	96524		4401	1	1 15/16	1 1/2	16E12	3/8	940
	*HPA96524	96524		4827	1	1 15/16	1 1/2	16E12	3/8	940
	*96532	96532			1	1 3/4	1 59/64	16E12	3/8	2670
	*PA96532	96532		4430	1	1 15/16	2	16E12	3/8	1335
	96540	96540			1	1 3/4	2 29/64	16E12	3/8	3490
	*PA96540	96540		4445	1	1 15/16	2 1/2	16E12	3/8	1745
	96548	96548			1	1 3/4	2 57/64	16E12	3/8	4320
	*PA96548	96548		4466	1	1 15/16	3	16E12	3/8	2160
	*96564	96564			1	1 3/4	3 55/64	16E12	3/8	4920
	*PA96564	96564		4537	1	1 15/16	4	16E12	3/8	2460
	*96716	96716			1 1/4	2	61/64	20E12	3/8	1180
	96732	96732			1 1/4	2	1 59/64	20E12	3/8	3000
	P96732	96732		4425	1 1/4	2 3/16	2	20E12	3/8	1500
	96740	96740			1 1/4	2	2 27/64	20E12	3/8	3930
	*P96740	96740		4446	1 1/4	2 3/16	2 1/2	20E12	3/8	1965
	*96744	96744			1 1/4	2	2 13/16	20E12	3/8	4420
	96748	96748			1 1/4	2	2 7/8	20E12	3/8	4840
	*P96748	96748		4450	1 1/4	2 3/16	3	20E12	3/8	2420
	*96764	96764			1 1/4	2	3 15/16	20E12	3/8	6640
	*P96764	96764		4500	1 1/4	2 3/16	4	20E12	3/8	3320
	99000	99000			13/16	1 5/16	1 29/64	13E8	1/4	1230
	*99004	99004			.5900	1.0900	23/32	7713	1/4	580
	99007X	99007X			1 1/4	1 7/8	2 57/64	20EA10	5/16	585
	HP99007X	99007X		4837	1 1/4	2	3	20EA10	5/16	585
	99014	99014			11/16	1	31/32	11E5	5/32	470
	*99021X	99021X			1 5/8	2 3/8	3 39/64	26EX12	3/8	945
	*P99021X	99021X		4599	1 5/8	2 1/2	3 3/4	26EX12	3/8	945
	*99022X	99022X			1 1/2	2 1/4	2 29/32	24EX12	3/8	760
	*P99022X	99022X		4823	1 1/2	2 3/8	3	24EX12	3/8	760
	*99023X	99023X			1 1/2	2 3/8	3 55/64	24EX14	7/16	1140
	*99026	99026			3/4	1 1/8	1 29/64	12EA6	3/16	860
	*99027	99027			1 3/4	2 3/8	2 7/16	28E10	5/16	2940
	*99028	99028			3/4	1 1/8	1 11/16	12E16	3/16	990
	99029	99029			1 3/4	2 3/8	1 7/16	28EB10	5/16	2100
	*99034X	99034X			2	3 1/4	3 7/8	32EX20	5/8	1960
	*99036X	99036X			1 1/4	2 1/8	4 1/2	20EA14X	7/16	1180
	99037	99037			1 7/16	1 13/16	1 13/64	23EA6	3/16	960
	HPA99037	99037		4669	1 7/16	1 7/8	1 1/4	23EA6	3/16	480
	99039	99039			1 3/4	2 3/8	1 15/16	28E10	5/16	2450
	HP99039	99039		4635	1 3/4	2 1/2	2	28E10	5/16	1225

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.
Suffix symbol "X" denotes un-heat treated rollers.

NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS–Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	99040	99040			1 7/8	2 1/2	1 5/64	30E10	5/16	1670
	99041	99041			1 3/4	2 1/4	1 15/64	28E8	1/4	1290
	*HP99041	99041		4640	1 3/4	2 3/8	1 1/8	28E8	1/4	645
	99042	99042			1 3/4	2 3/8	1 11/16	28EB10	5/16	2350
	99043	99043			3	3 3/4	1 13/16	48E12	3/8	3860
	*99045	99045			1 1/4	2 1/4	3 55/64	20E16	1/2	6200
	*P99045	99045		4502	1 1/4	2 7/16	4	20E16	1/2	3100
	*99047	99047			2 1/8	2 5/8	1 13/64	34E8	1/4	1410
	99048	99048			1 3/4	2 3/8	1 5/64	28EB10	5/16	1770
	*99053	99053			2 7/16	3 1/16	1 3/16	39E10	5/16	1860
	99054	99054			3 9/16	4 3/16	1 3/16	57E10	5/16	2200
	ED99054	99054•	30074		3.1237	4 3/16	2 1/2	57E10	5/16	3960
	*99055	99055			3 3/8	4	1 5/64	54E10	5/16	2020
	99057	99057			2 1/4	2 3/4	61/64	36EA8	1/4	1100
	*99058	99058			.3838	.6963	7/16	7675	5/32	1800
	A99058	A99058			.3838	.6963	7/16	7675	5/32	1800
	99059	99059			2	2 1/2	1 13/64	32EB	1/4	1490
	99060	99060			4	4 3/4	1 3/8	64EH12	3/8	3060
	ED99060	99060•	30073		3.4987	4 3/4	2 7/8	64EH12	3/8	5500
	*99062	99062			3 1/4	4	1 5/16	52EH12	3/8	2700
	99063	99063			3 7/8	4 5/8	1 1/4	62EH12	3/8	2700
	ED99063	99063•	30072		3.2487	4 5/8	2 7/8	62EH12	3/8	4660
	*99065	99065			15/16	1 5/16	1 29/64	15E6	3/16	950
	*99067	99067			4 1/2	5 1/4	1 13/64	72EH12	3/8	2750
	*99068	99068			2	2 3/4	1 11/64	32E12	3/8	3470
	99069	99069			2 1/4	2 7/8	51/64	36E10	5/16	1390
	99070	99070			2 1/2	3 1/8	61/64	40E10	5/16	1560
	*99073	99073			2 3/16	2 15/16	3 25/64	35E12	3/8	5080
	99074	99074			3 1/16	3 13/16	1 13/64	49EH12	3/8	2330
	ED99074	99074•	30070		2.6470	3 13/16	2 1/2	49EH12	3/8	4190
	EDS99074	99074•	30088		2.6470	3 13/16	2.7810	49EH12	3/8	4190
	99075	99075			2 11/16	3 5/16	1 13/64	43E10	5/16	2050
	ED99075	99075•	30071		2.3621	3 5/16	2 1/2	43E10	5/16	3690
	EDS99075	99075•	30089		2.3621	3 5/16	3	43E10	5/16	3690
	99076	99076			15/32	25/32	15/16	7853	5/32	380
	D99077	WRA99077•	30078	31034	9.4481	14.9630	10 3/4	176EH40	1 1/4	92500
	WRA99077	WRA99077			11	13 1/2	5 15/64	176EH40	1 1/4	51400
	99078	99078			2	2 1/2	1 13/16	32E8	1/4	2090
	99079	99079			3 3/4	4 3/8	49/64	60E10	5/16	1450
	99080	99080			4 1/8	4 3/4	57/64	66E10	5/16	1760
	D99081	WRA99081•	30306	31068	5	8 5/8	7	92EH34	1 1/16	40860
	WRA99081	WRA99081			5 3/4	7 7/8	3 25/64	92EH34	1 1/16	22700
	*99082	99082			2 1/8	2 3/4	1 7/32	34E10	5/16	2090
	99084	99084			3	3 5/8	1 5/64	48E10	5/16	1950
	*99085	99085			3 3/8	4	1 1/16	54E10	5/16	1920
	99087	99087			1 3/4	2 3/4	1 15/16	28E16	1/2	4100
	*99088	99088			1 3/4	2 1/4	31/32	28E8	1/4	1160
	99089	99089			2 1/8	2 5/8	1 7/16	34E8	1/4	1660
	99090	99090			2 5/8	3 1/8	1 7/16	42E8	1/4	1720
	99092	99092			2	2 3/8	1 5/64	32E6	3/16	650
	99093	99093			2.5000	3.1250	1 5/64	40E10	5/16	1710
	99094	99094			2.3790	2.8790	1 3/4	38E8	1/4	2150
1	*D99095	WRA99095•	30095	31074	8.0580	12.2060	9 1/2	GA99095	1	52700
	*CD99095	WRA99095•		31074	9.1875	12.2060	9 1/2	GA99095	1	52700
	*WRA99095	WRA99095			9.1875	11.1875	4 41/64	GA99095	1	29300
	99096	99096			1.6875	2.1875	1 3/4	27E10	1/4	1700
	HP99096	99096		4697	1.6875	2.2500	1 3/4	27E10	1/4	850
	S99148	SRA99148	SIR148	SOR148	9.4488	14.1732	4 1/2	170EH38	1 3/16	39900
	CS99148	SRA99148		SOR148	10 5/8	14.1732	4 1/2	170EH38	1 3/16	39900
	SRA99148	SRA99148			10 5/8	13	4 3/8	170EH38	1 3/16	39900
	S99156	SRA99156	SIR156	SOR156	11.0236	16.5354	5	220EH44	1 3/8	53100
	CS99156	SRA99156		SOR156	12 3/8	16.5354	5	220EH44	1 3/8	53100
	SRA99156	SRA99156			12 3/8	15 1/8	4 7/8	220EH44	1 3/8	53100

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.
•Denotes two roller assemblies.
1 — Inner ring width 10 with one notch.

NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS–Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	99206	RA99206	IR206	OR206	1.1811	2.4409	13/16	24E10	5/16	990
	C99206	RA99206		OR206	1 1/2	2.4409	13/16	24E10	5/16	990
	W99206	WRA99206	WIR206	OR305	1.1811	2.4409	1 1/8	24E10	5/16	1380
	CW99206	WRA99206		OR305	1 1/2	2.4409	1 1/8	24E10	5/16	1380
	RA99206	RA99206			1 1/2	2 1/8	49/64	24E10	5/16	990
	E99206	RA99206	IR206		1.1811	2.1250	13/16	24E10	5/16	990
	EW99206	WRA99206	WIR206		1.1811	2.1250	1 1/8	24E10	5/16	1380
1	TW99206	WRA99206	30379	OR305	1 1/8	2.4409	1 1/8	24E10	5/16	1380
2	TXW99206	WRA99206	30423	OR305	1 3/16	2.4409	1 1/8	24E10	5/16	1380
3	TZW99206	WRA99206	30060	OR305	1 3/16	2.4409	1 1/8	24E10	5/16	1380
	WRA99206	WRA99206			1 1/2	2 1/8	1 5/64	24E10	5/16	1380
	99207	RA99207	IR207	OR207	1.3780	2.8346	15/16	28E12	3/8	1420
	C99207	RA99207		OR207	1 3/4	1.8346	15/16	28E12	3/8	1420
4	T99207	RA99207	30335	OR207	1 3/8	2.8346	15/16	28E12	3/8	1420
	W99207	WRA99207	WIR207	OR306	1.3780	2.8346	1 3/16	28E12	3/8	1810
	CW99207	WRA99207		OR306	1 3/4	2.8346	1 3/16	28E12	3/8	1810
	RA99207	RA99207			1 3/4	2 1/2	57/64	28E12	3/8	1420
	EW99207	WRA99207	WIR207		1.3780	2 1/2	1 3/16	28E12	3/8	1810
5	SW99207	WRA99207	30067	OR306	1 3/8	2.8346	1 3/16	28E12	3/8	1810
6	TW99207	WRA99207	30335	OR306	1 3/8	2.8346	1 3/16	28E12	3/8	1810
7	TX99207	RA99207	30395	OR207	1 1/4	2.8346	15/16	28E12	3/8	1420
	CSD99207	RA99207•		SDOR207	1 3/4	2.8346	1 7/8	28E12	3/8	2560
8	TXW99207	WRA99207	30395	OR306	1 1/4	2.8346	1 3/16	28E12	3/8	1810
9	TYW99207	WRA99207	30413	OR306	1 7/16	2.8346	1 3/16	28E12	3/8	1810
10	TZW99207	WRA99207	30062	OR306	1.3750	2.8346	1 3/16	28E12	3/8	1810
	WRA99207	WRA99207			1 7/16	2 1/2	1 9/64	28E12	3/8	1810
	99208	RA99208	IR208	OR208	1.5748	3.1496	1	32E12	3/8	1660
	C99208	RA99208		OR208	2	3.1496	1	32E12	3/8	1660
	W99208	WRA99208	WIR208	OR307	1.5748	3.1496	1 3/8	32E12	3/8	2260
	CW99208	WRA99208		OR307	2	3.1496	1 3/8	32E12	3/8	2260
	RA99208	RA99208			2	2 3/4	61/64	32E12	3/8	1660
11	TW99208	WRA99208	30385	OR307	1 5/8	3.1496	1 3/8	32E12	3/8	2260
12	TXW99208	WRA99208	30396	OR307	1 1/2	3.1496	1 3/8	32E12	3/8	2260
	WRA99208	WRA99208			2	2 3/4	1 5/16	32E12	3/8	2260
	99209	RA99209	IR209	OR209	1.7717	3.3465	1 1/8	35E12	3/8	1930
	C99209	RA99209		OR209	2 3/16	3.3465	1 1/8	35E12	3/8	1930
	W99209	WRA99209	WIR209	WOR209	1.7717	3.3465	1 9/16	35E12	3/8	2620
	CW99209	WRA99209		WOR209	2 3/16	3.3465	1 9/16	35E12	3/8	2620
	RA99209	RA99209			2 3/16	2 15/16	1 5/64	35E12	3/8	1930
13	SWA99209	WRA99209	SWIRA209	WOR209	1.7717	2.3465	1 9/16	35E12	3/8	2620
14	TXW99209	WRA99209	30418	WOR209	1 11/16	3.3465	1 9/16	35E12	3/8	2620
	WRA99209	WRA99209			2 3/16	2 15/16	1 1/2	35E12	3/8	2620
15	ESWA99209	WRA99209	SWIRA209		1.7717	2 15/16	1 9/16	35E12	3/8	2620
	99210	RA99210	IR210	OR210	1.9685	3.5433	1 1/4	38E12	3/8	2220
	C99210	RA99210		OR210	2 3/8	3.5433	1 1/4	38E12	3/8	2220
	D99210	WRA99210•	DIR210	DOR210	1.9685	3.5433	3 1/2	38E12	3/8	5450
	W99210	WRA99210	WIR210	WOR210	1.9685	3.5433	1 3/4	38E12	3/8	3030
16	AW99210	WRA99210	AWIK210	WOR210	1.8754	3.5433	1 3/4	38E12	3/8	3030
	CD99210	WRA99210•		DOR210	2 3/8	3.5433	3 1/2	38E12	3/8	5450
	CS99210	SRA99210		SOR210	2 3/8	3.5480	21/32	38E12	3/8	630
	CW99210	WRA99210		WOR210	2 3/8	3.5433	1 3/4	38E12	3/8	3030
	RA99210	RA99210			2 3/8	3 1/8	1 3/16	38E12	3/8	2220
	SRA99210	SRA99210			2 3/8	3 1/8	15/32	38E12	3/8	630
17	TXW99210	WRA99210	30412	WOR210	1 15/16	3.5433	1 3/4	38E12	3/8	3030
	WRA99210	WRA99210			2 3/8	3 1/8	1 11/16	38E12	3/8	3030

•Denotes two roller assemblies.

1–Inner ring width 2 1/2 with one notch.
2–Inner ring width 2 1/2 with one notch.
3–Inner ring width 2 1/2 .
4–Inner ring width 2 1/2 with one notch.
5–Inner ring width 1 7/8 .
6–Inner ring width 2 1/2 with one notch.
7–Inner ring width 2 1/2 with one notch.
8–Inner ring width 2 1/2 with one notch.
9–Inner ring width 1 7/16 with two notches.
10–Inner ring width 2 1/2 with one notch.
11–Inner ring width 2 3/4 with one notch.
12–Inner ring width 2 1/2 with one notch.
13–Inner ring has 3/16 oil hole.
14–Inner ring width 1 13/16 with two notches.
15–Inner ring has 3/16 oil hole.
16–Inner ring width 3.
17–Inner ring width 2 with two notches.

NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS–Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	99211	RA99211	IR211	OR211	2.1654	3.9370	1 5/16	42E14	7/16	2860
	C99211	RA99211		OR211	2 5/8	3.9370	1 5/16	42E14	7/16	2860
	D99211	WRA99211•	DIR211	DOR211	2.1654	3.9370	3 5/8	42E14	7/16	6750
	W99211	WRA99211	WIR211	WOR211	2.1654	3.9370	1 13/16	42E14	7/16	3750
	CD99211	WRA99211•		DOR211	2 5/8	3.9370	3 5/8	42E14	7/16	6750
	CW99211	WRA99211		WOR211	2 5/8	3.9370	1 13/16	42E14	7/16	3750
	RA99211	RA99211			2 5/8	3 1/2	1 1/4	42E14	7/16	2860
	NRA99211	NRA99211			2 5/8	3 1/2	31/32	42E14	7/16	2180
1	TXW99211	WRA99211	30417	WOR211	2 3/16	3.9370	1 13/16	42E14	7/16	3750
	WRA99211	WRA99211			2 5/8	3 1/2	1 3/4	42E14	7/16	3750
	99212	RA99212	IR212	OR212	2.3622	4.3307	1 7/16	46E16	1/2	3680
	C99212	RA99212		OR212	2 7/8	4.3307	1 7/16	46E16	1/2	3680
	D99212	WRA99212•	DIR212	DOR212	2.3622	4.3307	3 7/8	46E16	1/2	8680
	W99212	WRA99212	WIR212	WOR212	2.3622	4.3307	1 15/16	46E16	1/2	4820
2	AW99212	WRA99212	AWIR212	WOR212	2.3622	4.3307	1 15/16	46E16	1/2	4820
	CD99212	WRA99212•		DOR212	2 7/8	4.3307	3 7/8	46E16	1/2	8680
	CW99212	WRA99212		WOR212	2 7/8	4.3307	1 15/16	46E16	1/2	4820
	RA99212	RA99212			2 7/8	3 7/8	1 3/8	46E16	1/2	3680
3	TW99212	WRA99212	30415	WOR212	2 1/4	4.3307	1 15/16	46E16	1/2	4820
	SRA99212	SRA99212			2 7/8	3 7/8	1 17/64	46E16	1/2	3420
4	TXW99212	WRA99212	30419	WOR212	2 5/16	4.3307	1 15/16	46E16	1/2	4820
	WRA99212	WRA99212			2 7/8	3 7/8	1 7/8	46E16	1/2	4820
	D99213	WRA99213•	DIR213	DOR213	2.5591	4.7244	4 1/8	50E16	1/2	9320
	W99213	WRA99213	WIR213	WOR213	2.5591	4.7244	2 1/16	50E16	1/2	5180
	CD99213	WRA99213•		DOR213	3.1250	4.7244	4 1/8	50E16	1/2	9320
	CW99213	WRA99213		WOR213	3.1250	4.7244	2 1/16	50E16	1/2	5180
5	TW99213	WRA99213	30416	WOR213	2.5000	4.7244	2 1/16	50E16	1/2	5180
6	TXW99213	WRA99213	30408	WOR213	2.4378	4.7244	2 1/16	50E16	1/2	5180
7	TYW99213	WRA99213	30421	WOR213	2.6875	4.7244	2 1/16	50E16	1/2	5180
	WRA99213	WRA99213			3.1250	4.1250	2	50E16	1/2	5180
	99214	RA99214	IR214	OR214	2.7559	4.9213	1 5/8	53E16	1/2	4300
	C99214	RA99214		OR214	3 5/16	4.9213	1 5/8	53E16	1/2	4300
	D99214	WRA99214•	DIR214	DOR214	2.7559	4.9213	4 3/4	53E16	1/2	10700
	W99214	WRA99214	WIR214	WOR214	2.7599	4.9213	2 3/8	53E16	1/2	5960
	CD99214	WRA99214•		DOR214	3 5/16	4.9213	4 3/4	53E16	1/2	10700
	CW99214	WRA99214		WOR214	3 5/16	4.9213	2 3/8	53E16	1/2	5960
	RA99214	RA99214			3 5/16	4 5/16	1 9/16	53E16	1/2	4300
8	ESW99214	WRA99214	SWIR214		2.7559	4 5/16	2 3/8	53E16	1/2	5960
	WRA99214	WRA99214			3 5/16	4 5/16	2 9/32	53E16	1/2	5960
	99215	RA99215	IR215	OR215	2.9528	5.1181	1 3/4	56E16	1/2	4590
	C99215	RA99215		OR215	3 1/2	5.1181	1 3/4	56E16	1/2	4590
	D99215	WRA99215•	DIR215	DOR215	2.9528	5.1181	5 1/4	56E16	1/2	11800
	W99215	WRA99215	WIR215	WOR215	2.9528	5.1181	2 5/8	56E16	1/2	6550
	CD99215	WRA99215•		DOR215	3 1/2	5.1181	5 1/4	56E16	1/2	11800
	CW99215	WRA99215		WOR215	3 1/2	5.1181	2 5/8	56E16	1/2	6550
	RA99215	RA99215			3 1/2	4 1/2	1 11/16	56E16	1/2	4590
9	TW99215	WRA99215	30394	WOR215	3	5.1181	2 5/8	56E16	1/2	6550
10	TXW99215	WRA99215	30406	WOR215	2 15/16	5.1181	2 5/8	56E16	1/2	6550
	WRA99215	WRA99215			3 1/2	4 1/2	2 17/32	56E16	1/2	6550
	99216	RA99216	IR216	OR216	3.1496	5.5118	1 13/16	60E18	9/16	5870
	C99216	RA99216		OR216	3 3/4	5.5118	1 13/16	60E18	9/16	5870
	D99216	WRA99216•	DIR216	DOR216	3.1496	5.5118	5 1/4	60E18	9/16	14600
11	T99216	RA99216	30398	OR216	3.2500	5.5118	1 13/16	60E18	9/16	5870
	W99216	WRA99216	WIR216	WOR216	3.1496	5.5118	2 5/8	60E18	9/16	8120
	CD99216	WRA99216•		DOR216	3 3/4	5.5118	5 1/4	60E18	9/16	14600
	CW99216	WRA99216		WOR216	3 3/4	5.5118	2 5/8	60E18	9/16	8120
	RA99216	RA99216			3 3/4	4 7/8	1 3/4	60E18	9/16	5870
12	SW99216	WRA99216	SWIR216	WOR216	3.1496	5.5118	2 5/8	60E18	9/16	8120
	WRA99216	WRA99216			3 3/4	4 7/8	2 35/64	60E18	9/16	8120
13	EAW99216	WRA99216	AWIR216		3.1496	4 7/8	2 5/8	60E18	9/16	8120

• Denotes two roller assemblies.

1–Inner ring width 2 1/8 with two notches.
2–3/8 oil hole in inner ring.
3–Inner ring width 3 1/2 with one notch.
4–Inner ring width 2 1/4 with two notches.
5–Inner ring width 3 1/2 with one notch.
6–Inner ring width 2 3/8 with two notches.
7–Inner ring width 2 3/8 with two notches.
8–1/4 oil hole in inner ring.
9–Inner ring width 3 3/8 with one notch.
10–Inner ring width 2 15/16 with two notches.
11–Inner ring width 3 3/8 with one notch.
12–3/16 oil hole in inner ring.
13–Inner ring width 3 1/2

NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS—Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	99217	RA99217	IR217	OR217	3.3465	5.9055	1 15/16	64E20	5/8	7170
	C99217	RA99217		OR217	4	5.9055	1 15/16	64E20	5/8	7170
	D99217	WRA99217●	DIR217	DOR217	3.3465	5.9055	5 1/2	64E20	5/8	17400
	W99217	WRA99217	WIR217	WOR217	3.3465	5.9055	2 3/4	64E20	5/8	9680
	CD99217	WRA99217●		DOR217	4	5.9055	5 1/2	64E20	5/8	17400
	CW99217	WRA99217		WOR217	4	5.9055	2 3/4	64E20	5/8	9680
	RA99217	RA99217			4	5 1/4	1 7/8	64E20	5/8	7170
	WRA99217	WRA99217			4	5 1/4	2 21/32	64E20	5/8	9680
	99220	RA99220	IR220	OR220	3.9370	7.0866	2 5/16	76EH24	3/4	10400
	C99220	RA99220		OR220	4 3/4	7.0866	2 5/16	76EH24	3/4	10400
	D99220	WRA99220●	DIR220	DOR220	3.9370	7.0866	6 1/2	76EH24	3/4	24800
1	T99220	RA99220	30401	OR220	4.0000	7.0866	2 5/16	76EH24	3/4	10400
	W99220	WRA99220	WIR220	WOR220	3.9370	7.0866	3 1/4	76EH24	3/4	13800
	CD99220	WRA99220●		DOR220	4 3/4	7.0866	6 1/2	76EH24	3/4	24800
	CW99220	WRA99220		WOR220	4 3/4	7.0866	3 1/4	76EH24	3/4	13800
	RA99220	RA99220			4 3/4	6 1/4	2 7/32	76EH24	3/4	10400
2	TW99220	WRA99220	30401	WOR220	4	7.0866	3 1/4	76EH24	3/4	13800
3	TX99220	RA99220	30409	OR220	3.9375	7.0866	2 5/16	76EH24	3/4	10400
4	TXW99220	WRA99220	30409	WOR220	3 15/16	7.0866	3 1/4	76EH24	3/4	13800
	WRA99220	WRA99220			4 3/4	6 3/4	3 9/64	76EH24	3/4	13800
	99222	RA99222	IR222	OR222	4.3307	7.8740	2 9/16	84EH28	7/8	14200
	C99222	RA99222		OR222	5 1/4	7.8740	2 9/16	84EH28	7/8	14200
	D99222	WRA99222●	DIR222	DOR222	4.3307	7.8740	7	84EH28	7/8	33300
5	T99222	RA99222	30402	OR222	4.5000	7.8740	2 9/16	84EH28	7/8	14200
	W99222	WRA99222	WIR222	WOR222	4.3307	7.8740	3 1/2	84EH28	7/8	18500
	CD99222	WRA99222●		DOR222	5 1/4	7.8740	7	84EH28	7/8	33300
	CW99222	WRA99222		WOR222	5 1/4	7.8740	3 1/2	84EH28	7/8	18500
	RA99222	RA99222			5 1/4	7	2 15/32	84EH28	7/8	14200
6	TW99222	WRA99222	30402	WOR222	4 1/2	7.8740	3 1/2	84EH28	7/8	18500
7	TX99222	RA99222	30410	OR222	4.4375	7.8740	2 9/16	84EH28	7/8	14200
8	TXW99222	WRA99222	30410	WOR222	4 7/16	7.8740	3 1/2	84EH28	7/8	18500
	WRA99222	WRA99222			5 1/4	7	3 25/64	84EH28	7/8	18500
	99224	RA99224	IR224	OR224	4.7244	8.4646	2 13/16	90EH30	15/16	16900
	C99224	RA99224		OR224	5 1/4	8.4646	2 13/16	90EH30	15/16	16900
	D99224	WRA99224●	DIR224	DOR224	4.7244	8.4646	7 3/4	90EH30	15/16	39200
	W99224	WRA99224	WIR224	WOR224	4.7244	8.4646	3 7/8	90EH30	15/16	21800
	CD99224	WRA99224●		DOR224	5 1/4	8.4646	7 3/4	90EH30	15/16	39200
	CW99224	WRA99224		WOR224	5 1/4	8.4646	3 7/8	90EH30	15/16	21800
	RA99224	RA99224			5 1/4	7 1/2	2 23/32	90EH30	15/16	16900
	SW99224	WRA99224	SWIR224	WOR224	4.7244	8.4646	3 7/8	90EH30	15/16	21800
	WRA99224	WRA99224			5 1/4	7 1/2	3 3/4	90EH30	15/16	21800
	99226	RA99226	IR226	OR226	5.1181	9.0551	3 1/8	97EH32	1	20000
	C99226	RA99226		OR226	6 1/16	9.0551	3 1/8	97EH32	1	20000
	D99226	WRA99226●	DIR226	DOR226	5.1181	9.0551	8 1/2	97EH32	1	48100
9	T99226	RA99226	30414	OR226	4 15/16	9.0551	3 1/8	97EH32	1	20000
	W99226	WRA99226	WIR226	WOR226	5.1181	9.0551	4 1/4	97EH32	1	26700
	CD99226	WRA99226●		DOR226	6 1/16	9.0551	8 1/2	97EH32	1	48100
	CW99226	WRA99226		WOR226	6 1/16	9.0551	4 1/4	97EH32	1	26700
	RA99226	RA99226			6 1/16	8 1/16	3 1/64	97EH32	1	20000
	SD99226	SWRA99226●	SDIR226	SDOR226	5.1181	8.4646	9 3/4	96EH24	3/4	37900
	SW99226	SWRA99226	SWIR226	SWOR226	5.1181	8.4646	4 7/8	96EH24	3/4	21050
	CSD99226	SWRA99226●		SDOR226	6	8.4646	9 3/4	96EH24	3/4	37900
	CSW99226	SWRA99226		SWOR226	6	8.4646	4 7/8	96EH24	3/4	21050
10	TXW99226	WRA99226	30414	WOR226	4 15/16	9.0551	4 1/4	97EH32	1	26700
11	*TYW99226	WRA99226	30085	WOR226	5.1183	9.0551	4 1/4	97EH32	1	26700
	WRA99226	WRA99226			6 1/16	8 1/16	4 7/64	97EH32	1	26700
	SWRA99226	SWRA99226			6	7 1/2	4 23/32	96EH24	3/4	21050

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

● Denotes two roller assemblies.

1—Inner ring width 4 3/8 with one notch.
2—Inner ring width 4 3/8 with one notch.
3—Inner ring width 3 5/8 with two notches.
4—Inner ring width 3 5/8 with two notches.
5—Inner ring width 4 3/8 with one notch.
6—Inner ring width 4 3/8 with one notch.
7—Inner ring width 3 7/8 with two notches.
8—Inner ring width 3 7/8 with two notches.
9—Inner ring width 4 5/8 with two notches.
10—Inner ring width 4 5/8 with two notches.
11—Inner ring width 5 5/8 with one notch.

NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS–Continued

ITEM	PART NO.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	99228	RA99228	IR228	OR228	5.5118	9.8425	3 1/4	106EH34	1 1/16	22700
	C99228	RA99228		OR228	6 5/8	9.8425	3 1/4	106EH34	1 1/16	22700
	D99228	WRA99228●	DIR228	DOR228	5.5118	9.8425	9 1/2	106EH34	1 1/16	56200
1	T99228	RA99228	30411	OR228	5 7/16	9.8425	3 1/4	106EH34	1 1/16	22700
	W99228	WRA99228	WIR228	WOR228	5.5118	9.8425	4 3/4	106EH34	1 1/16	31200
	CD99228	WRA99228●		DOR228	6 5/8	9.8425	9 1/2	106EH34	1 1/16	56200
	CW99228	WRA99228		WOR228	6 5/8	9.8425	4 3/4	106EH34	1 1/16	31200
	RA99228	RA99228			6 5/8	8 3/4	3 9/64	106EH34	1 1/16	22700
2	TX99228	WRA99228	30097	OR228	5.5000	9.8425	3 1/4	106EH34	1 1/16	31200
3	TXW99228	WRA99228	30411	WOR228	5 7/16	9.8425	4 3/4	106EH34	1 1/16	31200
	WRA99228	WRA99228			6 5/8	8 3/4	4 19/32	106EH34	1 1/16	31200
	99230	RA99230	IR230	OR230	5.9055	10.6299	3 1/2	113EH38	1 3/16	28100
	C99230	RA99230		OR230	7 1/16	10.6299	3 1/2	113EH38	1 3/16	28100
4	T99230	RA99230	30425	OR230	5 15/16	10.6299	3 1/2	113EH38	1 3/16	28100
	W99230	WRA99230	WIR230	WOR230	5.9055	10.6299	4 3/4	113EH38	1 3/16	36600
	CW99230	WRA99230		WOR230	7 1/16	10.6299	4 3/4	113EH38	1 3/16	36600
	EW99230	WRA99230	WIR230		5.9055	9 7/16	4 3/4	113EH38	1 3/16	36600
	RA99230	RA99230			7 1/16	9 7/16	3 25/64	113EH38	1 3/16	28100
5	TW99230	WRA99230	30425	WOR230	5 15/16	10.6299	4 3/4	113EH38	1 3/16	36600
	WRA99230	WRA99230			7 1/16	9 7/16	4 39/64	113EH38	1 3/16	36600
	99232	RA99232	IR232	OR232	6.2992	11.4173	3 7/8	122EH40	1 1/4	32200
	C99232	RA99232		OR232	7 5/8	11.4173	3 7/8	122EH40	1 1/4	32200
	D99232	WRA99232●	DIR232	DOR232	6.2992	11.4173	9 3/4	122EH40	1 1/4	71100
6	T99232	RA99232	30426	OR232	6.4375	11.4173	3 7/8	122EH40	1 1/4	32200
	W99232	WRA99232	WIR232	WOR232	6.2992	11.4173	4 7/8	122EH40	1 1/4	39500
	CD99232	WRA99232●		DOR232	7 5/8	11.4173	9 3/4	122EH40	1 1/4	71100
	CW99232	WRA99232		WOR232	7 5/8	11.4173	4 7/8	122EH40	1 1/4	39500
	EW99232	WRA99232	WIR232		6.2992	10 1/8	4 7/8	122EH40	1 1/4	39500
	RA99232	RA99232			7 5/8	10 1/8	3 49/64	122EH40	1 1/4	32200
7	SW99232	WRA99232	30075	WOR232	6 7/16	11.4173	4 7/8	122EH40	1 1/4	39500
8	TW99232	WRA99232	30426	WOR232	6 7/16	11.4173	4 7/8	122EH40	1 1/4	39500
9	SWA99232	WRA99232	30096	WOR232	6.4375	11.4173	4 7/8	122EH40	1 1/4	39500
	WRA99232	WRA99232			7 5/8	10 1/8	4 3/4	122EH40	1 1/4	39500
	D99234	WRA99234●	DIR234	DOR234	6.6929	12.2047	10 3/4	129EH44	1 3/8	89100
	W99234	WRA99234	WIR234	WOR234	6.6929	12.2047	5 3/8	129EH44	1 3/8	49500
	CD99234	WRA99234●		DOR234	8 1/16	12.2047	10 3/4	129EH44	1 3/8	89100
	CW99234	WRA99234		WOR234	8 1/16	12.2047	5 3/8	129EH44	1 3/8	49500
	SD99234	SWRA99234●	SDIR234	SDOR234	6.6929	12.2047	9 1/2	129EH44	1 3/8	80300
	CSD99234	SWRA99234●		SDOR234	8 1/16	12.2047	9 1/2	129EH44	1 3/8	80300
	WRA99234	WRA99234			8 1/16	10 13/16	5 1/4	129EH44	1 3/8	49500
	SWRA99234	SWRA99234			8 1/16	10 13/16	4 39/64	129EH44	1 3/8	44600
	W99236	WRA99236	WIR236	WOR236	7.0866	12.5984	5 7/8	136EAH44	1 3/8	54900
	CW99236	WRA99236		WOR236	8 15/32	12.5984	5 7/8	135EAH44	1 3/8	54900
10	SW99236	WRA99236	30090	WOR236	6.9375	12.5984	5 7/8	135EAH44	1 3/8	54900
11	TW99236	WRA99236	30427	WOR236	6 15/16	12.5984	5 7/8	135EAH44	1 3/8	54900
	WRA99236	WRA99236			8 15/32	11 7/32	5 45/64	135EAH44	1 3/8	54900
12	TW99236-15	WRA99236	30427	WOR236-15	6 15/16	12.5984	5 7/8	135EAH44	1 3/8	54900
	S99240	SRA99240	SIR240	SOR240	7.8740	13.3858	4 3/4	148EH44	1 3/8	47500
	CS99240	SRA99240		SOR240	9 1/4	13.3858	4 3/4	148EH44	1 3/8	47500
	SW99240	SWRA99240	SWIR240	SWOR240	7.8740	13.3858	6 7/8	148EH44	1 3/8	64400
	TS99240	SRA99240	30428	SOR240	7.5000	13.3858	4 3/4	148EH44	1 3/8	47500
	CSW99240	SWRA99240		SWOR240	9 1/4	13.3858	6 7/8	148EH44	1 3/8	64400
	SDA99240	SRA99240●	SDIRA240	SDORA240	7.8740	13.3858	9 1/2	148EH44	1 3/8	116000
	SRA99240	SRA99240			9 1/4	12	4 39/64	148EH44	1 3/8	47500
13	TSW99240	SWRA99240	30428	SWOR240	7 1/2	13.3858	6 7/8	148EH44	1 3/8	64400
	CSDA99240	SRA99240●		SDORA240	9 1/4	13.3858	9 1/2	148EH44	1 3/8	116000
	SWRA99240	SWRA99240			9 1/4	12	6 43/64	148EH44	1 3/8	64400

●Denotes two roller assemblies.

1–Inner ring width 5 1/8 with two notches.
2–Inner ring width 5 1/8 with two notches.
3–Inner ring width 5 1/8 with two notches.
4–Inner ring width 5 3/8 with one notch.
5–Inner ring width 5 3/8 with one notch.
6–Inner ring width 5 1/2 with one notch.
7–Inner ring width 5 1/2
8–Inner ring width 5 1/2 with one notch.
9–Inner ring width 5 1/2
10–Inner ring width 6 1/2
11–Inner ring width 6 1/2 with one notch.
12–Inner ring width 6 1/2 with one notch, outer ring has 7/8 wide O.D. groove.
13–Inner ring width 7 1/2 with one notch.

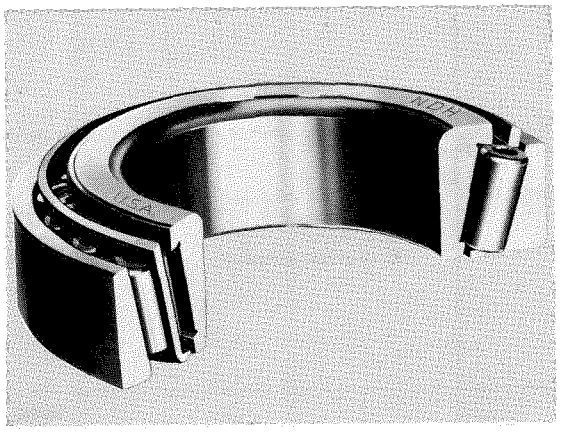
NUMERICAL LIST OF NDH 90000 SERIES SOLID HY-ROLL BEARINGS–Continued

ITEM	PART No.	COMPONENT PART NO.			I.D.	O.D.	Width	End Ring No.	Roller Diameter	Capacity 500 RPM 3000 Hrs. B-10
		Roller Assembly	Inner Ring	Outer Ring						
	DA99244	AWRA99244●	DIRA244	DORA244	8.6614	14.9606	10 3/4	167EH44	1 3/8	97500
	SW99244	SWRA99244	SWIR244	SWOR224	8.6614	14.9606	6 7/8	167EH44	1 3/8	66300
1	ASW99244	SWRA99244	AWIR244	SWOR244	8.6616	14.9606	6 7/8	167EH44	1 3/8	66300
	CDA99244	AWRA99244●		DORA244	10 7/16	14.9606	10 3/4	167EH44	1 3/8	97500
	CSW99244	SWRA99244		SWOR244	10 7/16	14.9606	6 7/8	167EH44	1 3/8	66300
	AWRA99244	AWRA99244			10 7/16	13 3/16	5 7/32	167EH44	1 3/8	54200
	SWRA99244	AWRA99244			10 7/16	13 3/16	6 45/64	167EH44	1 3/8	66300
	99305	RA99305	IR305	OR305	.9843	2.4409	1 1/8	20EA14	7/16	1870
	C99305	RA99305		OR305	1 1/4	2.4409	1 1/8	20EA14	7/16	1870
	RA99305	RA99305			1 1/4	2 1/8	1 5/64	20EA14	7/16	1870
	SC99305	RA99305		SOR305	1.2500	2.4609	1 1/8	20EA14	7/16	1870
	E99307	RA99307	IR307		1.3780	2 3/4	1 3/8	28E16	1/2	2950
	99307	RA99307	IR307	OR307	1.3780	3.1496	1 3/8	28E16	1/2	2950
	C99307	RA99307		OR307	1 3/4	3.1496	1 3/8	28E16	1/2	2950
2	T99307	RA99307	30335	OR307	1 3/8	3.1496	1 3/8	28E16	1/2	2950
	RA99307	RA99307			1 3/4	2 3/4	1 5/16	28E16	1/2	2950
3	TX99307	RA99307	30395	OR307	1 1/4	3.1496	1 3/8	28E16	1/2	2950
	99311	RA99311	IR311	OR311	2.1654	4.7244	1 15/16	44E22	11/16	6890
	C99311	RA99311		OR311	2 3/4	4.7244	1 15/16	44E22	11/16	6890
4	T99311	RA99311	30391	OR311	2 1/4	4.7244	1 15/16	44E22	11/16	6890
	RA99311	RA99311			2 3/4	4 1/8	1 7/8	44E22	11/16	6890
	99314	RA99314	IR314	OR314	2.7559	5.9055	2 5/16	56EH28	7/8	11100
	C99314	RA99314		OR314	3 1/2	5.9055	2 5/16	56EH28	7/8	11100
	M99314	MRA99314	MIR314	MOR314	2.7559	5.9055	2 1/2	56EH28	7/8	12000
	MC99314	MRA99314		MOR314	3 1/2	5.9055	2 1/2	56EH28	7/8	12000
	RA99314	RA99314			3 1/2	5 1/4	2 7/32	56EH28	7/8	11100
5	TM99314	MRA99314	30394	MOR314	3	5.9055	2 1/2	56EH28	7/8	12000
	MRA99314	MRA99314			3 1/2	5 1/4	2 7/16	56EH28	7/8	12000
	*99682	99682			6	8 1/2	5 27/32	96EH40	1 1/4	41800
	*HP99682	99682		4312	6	8 7/8	6	96EH40	1 1/4	20900
	*99683	99683			6	8 1/2	6 53/64	96EH40	1 1/4	47400
	*HP99683	99683		4357	6	8 7/8	7	96EH40	1 1/4	23700

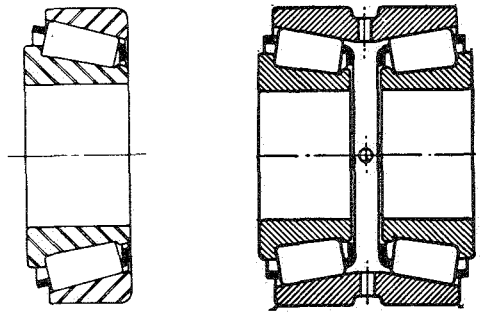
*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only. ●Denotes two roller assemblies.

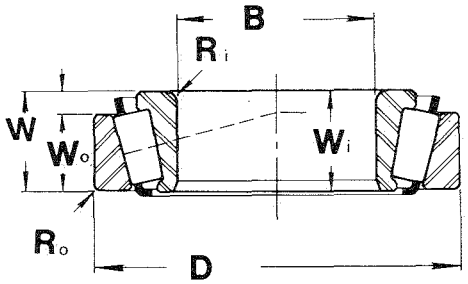
1–Inner ring width 7 1/2 with one notch.
2–Inner ring width 2 1/2 with one notch.
3–Inner ring width 2 1/2 with one notch.
4–Inner ring width 3 with one notch.
5–Inner ring width 3 3/8 with one notch.

NDH TAPERED HY-ROLL BEARINGS



Tapered Hy-Roll bearing





NDH tapered Hy-Roll bearings are made in two general types.

1. Single Row – two part bearing, rollers assembled with the cone; cup separable.
2. (a) Double Row – four part, two roller and cone assemblies, one double cup and one center spacing ring.
   (b) Double Row – Non-Separable. Two cone assemblies and one double cup held together by a clip snapped into grooves cut in the outside diameters of the cones at the thin ends.

In Type 1 above the cone is stamped with the roller and cone assembly part number as in 2777. The cup is stamped with its individual number as in 2720. The complete bearing number is formed by combining the two, thus 2777/2720.

An example of Type 2a above is 55197/55433D. Here again the 55197 identifies the roller and cone assembly and the number 55433 D identifies the double cup. The spacing ring is used to accurately space the cones and is available only in the complete bearing set.

This tabulation lists complete bearing assembly numbers. Components may be purchased separately.

EXAMPLE:

Cone separator and roller assembly	2777
Cup, only	2720
Complete assembly	2777/2720

TABLE IV

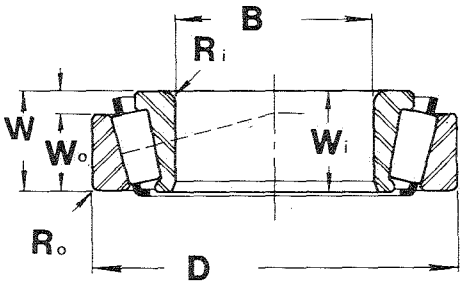
PRODUCTION TAPERED ROLLER BEARINGS

(ARRANGED BY BORE SIZE)

Bearing Number (Cone Ass'y # /Cup #)	Bore B	Outside Diam. D	Bearing Width W	Cone		Cup		Basic Rating 3000 Hours B-10 @ 500 RPM Pounds	
				Width W_i Max.	Radius R_i Nom.	Width W_o Max.	Radius R_o Nom.	Radial	Thrust
LM11748/LM11710	.6875	1.5700	.5450	.5750	.10	.4200	.05	960	455
LM11749/LM11710	.6875	1.5700	.5450	.5750	.05	.4200	.05	960	455
LM11949/LM11910	.7500	1.7810	.6100	.6550	.05	.4750	.05	1240	620
LM11949/LM11919	.7500	2.0787	.7060	.6550	.05	.5750	.04	1240	620
M12649/M12610	.8437	1.9687	.6900	.7200	.05	.5500	.05	1700	790
M84548/M84510	1.0000	2.2500	.7650	.7650	.06	.5800	.06	1930	1760
15103S/15243	1.0300	2.4375	.7500	.7850	.03	.5625	.08	1990	1160
L44649/L44610	1.0625	1.9800	.5600	.5800	.14	.4200	.05	1240	775
L44649-1/L44610	1.0625	1.9800	.5600	.5800	.14	.4200	.05	1240	775
M86649A/M86610	1.1875	2.5312	.8438	.8438	.02	.6563	.06	2480	2260

New Departure Hyatt
ROLLER BEARING DIMENSIONAL DATA

NDH TAPERED HY-ROLL BEARINGS – Continued



This tabulation lists complete bearing assembly numbers. Components may be purchased separately.

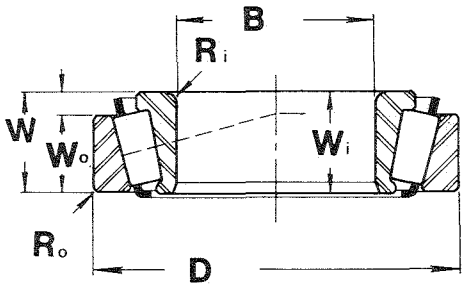
EXAMPLE:

Cone separator and roller assembly 2777
Cup, only 2720
Complete assembly 2777/2720

Bearing Number (Cone Ass'y # /Cup #)	Bore B	Outside Diam. D	Bearing Width W	Cone		Cup		Basic Rating 3000 Hours B-10 @ 500 RPM Pounds	
				Width W_i Max.	Radius R_i Nom.	Width W_o Max.	Radius R_o Nom.	Radial	Thrust
LM67048/LM67010	1.2500	2.3280	.6250	.6600	.14	.4650	.05	1800	1100
LM67048/LM67019	1.2500	2.6487	.7980	.6600	.14	.6400	.05	1600	1100
M88048A/M88010	1.3125	2.6875	.8750	.8750	.05	.6875	.06	2610	2370
M88048S/M88010	1.3125	2.6875	.8750	.8750	.16	.6875	.06	2610	2370
HM88547/HM88510	1.3125	2.8750	1.1563	1.0958	.03	.9063	.13	3530	3210
HM88649/HM88610	1.3750	2.8438	1.0000	1.0000	.09	.7812	.09	3140	2850
HM88649A/HM88610	1.3750	2.8438	1.0000	1.0000	.14	.7812	.09	3140	2850
2796/2720	1.3750	3.0000	.935	1.0100	.14	.7500	.13	3250	1780
HM89446/HM89410	1.3750	3.0000	1.1563	1.1270	.14	.9063	.13	3730	3400
LM48548/LM48510	1.3750	2.5625	.7100	.7200	.14	.5500	.05	2220	1390
LM48548-1/LM48510-1	1.3750	2.5625	.7100	.7200	.14	.5500	.05	2220	1390
LM48548-1/LM48510-2	1.3750	2.5625	.7080	.7200	.14	.5500	.05	2220	1390
LM48548/LM48511	1.3750	2.5625	.7980	.7200	.14	.6400	.05	2220	1390
02884/02820	1.4350	2.8750	.8750	.8750	.03	.6875	.13	2740	2070
HM89448/HM89410	1.4375	3.0000	1.1563	1.1270	.03	.9063	.13	3730	3400
HM89449/HM89410	1.4375	3.0000	1.1563	1.1270	.14	.9063	.13	3730	3400
LM29749/LM29711	1.5000	2.5625	.7800	.7200	.09	.6200	.05	2030	1120
2777/2720	1.5000	3.0000	.9355	1.0100	.22	.7500	.13	3250	1780
LM501349/LM501310	1.6250	2.8910	.7700	.7800	.14	.5800	.03	2580	1720
LM501349/LM501314	1.6250	2.8910	.8437	.7800	.14	.6537	.03	2580	1720
M802048/M802011	1.6250	3.2500	1.0450	1.0100	.14	.7950	.13	3700	3360
HM803146/HM803110	1.6250	3.5000	1.1875	1.1563	.14	.9063	.13	4630	4220
25582/25519	1.7500	3.2500	.9375	1.0000	.20	.7500	.08	3680	2050
25583/25519	1.7500	3.2500	1.3500	1.4125	.02	.7500	.08	3680	2050
25582/25520	1.7500	3.2650	.9375	1.0000	.20	.7500	.03	3680	2050
3578A/3525	1.7500	3.4375	1.1855	1.2160	.22	.9375	.13	4570	2330
HM803149/HM803110	1.7500	3.5000	1.1875	1.1563	.14	.9063	.13	4630	4220
55175C/55437	1.7500	4.3750	1.1875	1.0604	.14	.8125	.13	5140	7570
25584T/25520	1.7708	3.2650	.9355	1.0000	.06	.7500	.03	3680	2050
25584T/25528	1.7708	3.2650	.9355	1.0000	.06	.7500	.03	3680	2050
25584/25520	1.7710	3.2650	.9355	1.0000	.06	.7500	.03	3680	2050
LM603049/LM603011	1.7812	3.0625	.7812	.7812	.14	.5937	.03	2580	1830
LM603049/LM603012	1.7812	3.0625	.8437	.7812	.14	.6562	.03	2580	1830
LM603049/LM603014	1.7812	3.1486	.7812	.7812	.14	.5937	.03	2580	1830
LM603049/LM603015	1.7812	3.1486	.8437	.7812	.14	.6562	.03	2580	1830
25590/25520	1.7960	3.2650	.9375	1.0000	.14	.7500	.03	3680	2050
25590/25523	1.7960	3.2650	1.0265	1.0000	.14	.8750	.09	3680	2050
M804049/M804010	1.8750	3.5000	1.0000	1.0000	.14	.7500	.13	4170	3800
M804049/M804010S	1.8750	3.5000	1.0010	1.0000	.14	.7500	.13	4170	3800
3779/3720	1.8750	3.6718	1.1875	1.1950	.14	.9375	.13	4810	2710
HM804846/HM804810	1.8750	3.7500	1.1875	1.1582	.14	.9063	.13	5060	4610
HM804846/HM804810S	1.8750	3.7500	1.1885	1.1582	.14	.9063	.13	5060	4610
45282/45220	1.8750	4.1250	1.1875	1.2188	.14	.9375	.13	6220	3450
HM804848/HM804810	1.9060	3.7500	1.1875	1.1563	.09	.9063	.13	5060	4610
55197/55433D (Double Row)	1.9675	4.3302	2.4915	1.0620	.08	1.6895	.02	8230	6380
LM104949/LM104911	2.0000	3.2500	.8500	.8750	.14	.6500	.05	3370	1710
*LM104949E/LM104911/D2	2.0000	3.2500	2.0340	1.0210	.14	.6500	.05	6400	1710

*Two LM104949E/LM104911 bearings with outer spacer.

NDH TAPERED HY - ROLL BEARINGS – Continued



This tabulation lists complete bearing assembly numbers. Components may be purchased separately.

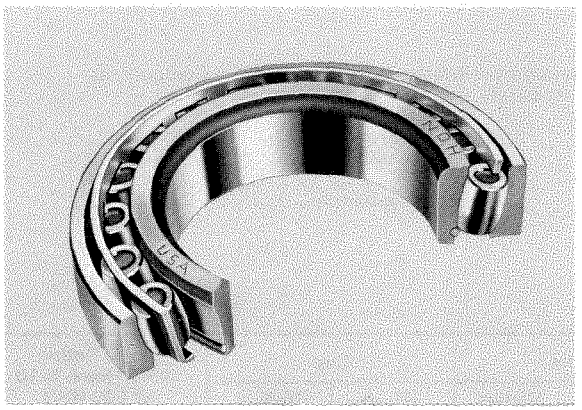
EXAMPLE:

Cone separator and roller assembly	.2777
Cup, only	.2720
Complete assembly	2777/2720

Bearing Number (Cone Ass'y # /Cup #)	Bore B	Outside Diam. D	Bearing Width W	Cone		Cup		Basic Rating 3000 Hours B-10 @ 500 RPM Pounds	
				Width W_i Max.	Radius R_i Nom.	Width W_o Max.	Radius R_o Nom.	Radial	Thrust
LM104949/LM104911A	2.0000	3.2500	.9300	.8750	.14	.7300	.05	3370	1710
28580T/28521 (Tapered Bore)	2.0000	3.6250	.9688	1.0000	.06	.7813	.03	3840	2410
45284/45220	2.0000	4.1250	1.1855	1.2188	.25	.9375	.13	6220	3450
55200C/55437	2.0000	4.3750	1.1875	1.0604	.14	.8125	.13	5140	7570
72200C/72487	2.0000	4.8750	1.4375	1.2940	.14	1.0000	.13	7540	9260
LM806349C/LM806310	2.1250	3.5000	.7969	.7970	.10	.5781	.09	3180	2900
72212C/72487	2.1250	4.8750	1.4375	1.2940	.14	1.0000	.13	7540	9260
387AS/382A	2.2500	3.8125	.8268	.8640	.20	.6250	.03	3770	2220
387A/382A	2.2500	3.8125	.8268	.8640	.14	.6250	.03	3770	2220
28682/28622	2.2500	3.8437	.9688	.9688	.14	.7656	.03	4510	3030
3982/3920	2.5000	4.4375	1.1875	1.1860	.14	.9375	.13	6130	4100
3982/3925	2.5000	4.4375	1.1875	1.1860	.14	.9375	.03	6130	4100
639A/633	2.5000	5.1250	1.8120	1.8150	.25	1.2500	.13	9890	5970
L812147/L812111/D1(Double Row)	2.6250	4.0635	1.4810	.6800	.06	.4740	.03	5620	2400
L812148/L812111/D1(Double Row)	2.6250	4.0635	1.5090	.6940	.06	.4740	.03	5620	2400
†L812148/L812111/D2(Double Row)	2.6250	4.0635	1.4810	.6800	.06	.4740	.03	5620	2400
‡L812148/L812111/D3(Double Row)	2.6250	4.0635	1.5090	.6940	.06	.4740	.03	5620	2400
3984/3920	2.6250	4.4375	1.1875	1.1860	.14	.9375	.13	6130	4100
3984/3925	2.6250	4.4375	1.1875	1.1860	.14	.9375	.03	6130	4100
3994/3920	2.6250	4.4375	1.1875	1.1860	.22	.9375	.13	6130	4100
3994/3925	2.6250	4.4375	1.1875	1.1860	.22	.9375	.03	6130	4100
39590/39520	2.6250	4.4375	1.1875	1.1875	.14	.9375	.13	6770	3830
39590/39521	2.6250	4.4375	1.1875	1.1875	.14	.9375	.03	6770	3830
•39590/39521/D1	2.6250	4.4375	2.6230	1.1875	.14	.9375		12800	3830
LM813447/LM813412XD (Double Row)	2.7500	4.5000	1.8990	.8925	.06	1.3400	.04	7650	4070
LM813447/LM813412XDS (Double Row)	2.7500	4.5000	1.8990	.8925	.06	1.3400	.04	7650	4070
33275/33472	2.7500	4.7244	1.1730	1.1905	.14	.9230	.03	6200	4500
33281/33472	2.8125	4.7244	1.1730	1.1905	.14	.9230	.03	6200	4500
644/632	2.8125	5.3750	1.6250	1.6280	.14	1.2500	.13	9890	5970
33287/33472	2.8750	4.7244	1.1730	1.1905	.14	.9230	.03	6200	4500
495AX/493	3.0000	5.3750	1.1875	1.1750	.25	.8750	.13	6550	4850
47686/47620	3.2500	5.5200	1.3125	1.3155	.14	1.0313	.13	8010	5400
42346/42584	3.4630	5.8437	1.1250	1.1406	.12	.8438	.12	7120	5850
42381/42584	3.8125	5.8437	1.1250	1.1406	.14	.8438	.12	7120	5850
56425/56650	4.2500	6.5000	1.4375	1.4375	.14	1.0625	.13	9890	8200
68450/68712	4.5000	7.1250	1.3750	1.2530	.14	1.0000	.13	9480	7850

†Same as L812148/L812111/D1 except spacer .110/.120 in place of .107/.123
‡Consists of L812148/L812111/D2 plus one loose service cup spacer.
•Two 39590/39521 bearings with outer and inner spacers.

NDH BARREL HY-ROLL BEARINGS



Barrel hy-roll bearing

NDH Barrel bearings are made in three different types.

1. Single Row—two part bearing, rollers assembled with one ring, the other ring separable.

2. Double Row—non-separable.

3. Steering Gear—two part bearing, no inner ring, roller assembly and outer ring separable.

In Type 1 above the inner ring is stamped with the inner ring prefix symbol followed by the basic bearing number, as A 11360, B 11786, etc. The outer ring is stamped with the basic number followed by the suffix symbol thus 11360 Z, 11786 Y. The complete bearing is formed by combining the two numbers and prefixing the combination with symbol K, thus KA 11360 Z, KB 11786 Y. The K is a roller symbol and its association with the inner ring symbol indicates that the rollers are assembled with the inner ring.

In Type 2 the procedure is the same except the roller symbol K is omitted because the bearing is non-separable. Example A 25209 Z, etc.

In Type 3 only the outer ring is stamped with the basic number and suffix symbol. The roller assembly obviously cannot be stamped.

Bearings of this type are mounted in pairs, one above and one below the worm, the upper bearing consisting of a roller assembly and outer ring and the lower bearing being a roller assembly only running on the curved inside surface of the adjusting nut. Order by part number stamped on the ring stating what is required, i.e., "Complete bearing with outer ring part number . . . . .," or, "Roller Assembly only", or "Outer Ring part number . . . . only."

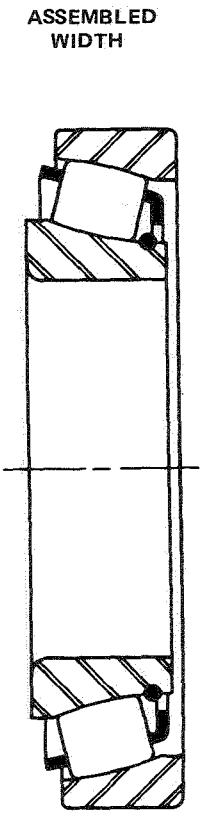


TABLE V
NDH BARREL HY-ROLL BEARINGS

BEARING NUMBER	BORE	O.D.	WIDTH	CONE	CUP	Basic Rating 3000 Hrs. B-10 @ 500 rpm	
	inches minimum	inches minimum	inches	Width inches	Width inches	Radial	Thrust
10790SZ		1.7515			.390	730	880
10899RZ		2.1250			.400	900	1090
B10983RZ	.8765	2.1890	.5145	.3948	.420	970	1180
KA11020Z	.9375	2.3437	.800	.715	.585	1210	810
KB11020Z	.9839	2.3437	.9875	.9025	.585	1210	810
KA11035Z	1.0300	2.3437	.800	.735	.585	1430	950
KA11360Z	1.6924	2.9523	.675	.669	.580	1400	1050
KB11360W	1.6924	2.9523	.580	.574	.560	1400	1050
KA11410Z	1.5625	3.1250	1.230	1.190	.660	2050	1370
KC11410Z	1.6250	3.1250	.9375	.8975	.660	2050	1370
KA11424Z	1.7500	3.1250	1.230	1.240	.660	2660	1770
KC11445Y	1.7807	3.1490	.722	.750	.600	2400	1600
KA11480Z	1.7960	3.2650	.9375	.9375	.650	2450	1630
KB11480W	1.7500	3.3464	.8125	.8125	.650	2450	1630
KB11480Z	1.7500	3.2650	.8125	.8125	.650	2450	1630
KC11480Y	1.7500	3.2650	.9375	.9375	.650	2450	1630
KG11480Z	1.7710	3.2650	.9375	.9375	.650	2450	1630
KB11630Z	2.0312	3.5425	.781	.734	.625	2140	1580
KC11630Z	1.9670	3.5425	.740	.693	.625	2140	1580
KB11786Y	2.2500	3.8750	.8268	.900	.700	3120	2070
3KB11786Y	2.2500	3.8750	.8268	.900	.700	3120	2070
KD11786Y	2.2650	3.8750	.8268	900	.700	3120	2070
KA11820Z	2.4400	3.9362	.826	.826	.650	2620	1750
KB11820Z	2.4400	3.9362	.707	.707	.650	2620	1750
D11902YK	2.0000	4.1875	1.1875	1.160	1.090	4900	3250
KC11948Y	2.5625	4.1875	.9375	.9375	.680	3410	2270
KA11950Z	2.5000	4.2500	1.000	1.020	.800	4140	2760
KA11985Z	2.5000	4.3307	.8661	.866	.700	3400	2260
KD12051Z	2.6250	4.4680	.931	.975	.784	3680	2450
KR12051Z	2.6250	4.4680	1.206	1.250	.784	3680	2450
B12235YK	2.8750	4.8742	1.531	1.531	1.031	4930	3280
A12250ZK-24	2.5000	5.000	1.4375	1.4375	1.290	6780	4500
B12250YK-25	2.3750	5.000	1.625	1.4375	1.4775	6780	4500
A21018Z	3.5425	5.5110	.9449	.9449	.800	4870	3240
A25209Z	1.7712	3.3459	1.1875	1.1875	1.1875	2900	1040
A25210Z	1.9680	3.5427	1.1875	1.1875	1.1875	3060	1060
A25213Z	2.5585	4.7238	1.5000	1.5000	1.5000	6300	2100

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS

The following table lists all Hy-Roll Bearings (except Metric Hy-Roll, Barrel and Taper Hy-Roll) by size, according to the inside diameter of the roller assembly. This dimension is given in the sixth column headed "Inside Diameter" under the general heading of "Roller Assembly" and is the nominal diameter of the shaft where no inner ring is used. If an inner ring is used, this dimension is the same as the outside diameter of the inner ring.

This table should be used when it is necessary to identify an NDH Bearing by the dimensions of the roller assembly.

If roller assembly end ring number is available see End Ring Table VII.

If end ring numbers are not available proceed as follows:

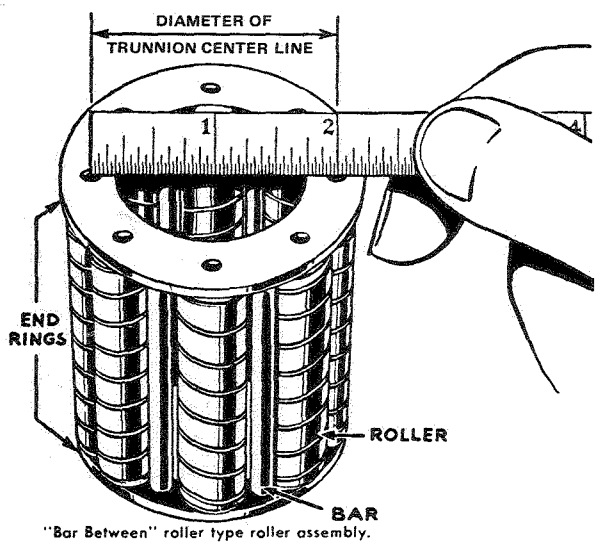
Determine if assembly is of the "bar between" or "bar through" roller type.

A. If the roller assembly is of the "bar between" type, measure diameter from center of trunnion rivet to center of opposite trunnion rivet and diameter of roller. Subtract diameter of one roller from diameter of trunnion center lines to obtain roller assembly inside diameter. Locate this dimension in column six, and roller diameter in column eight. Measure length of roller assembly and locate the dimension in column seven*. Check number of rollers, (column nine) and type of roller assembly, (column ten).

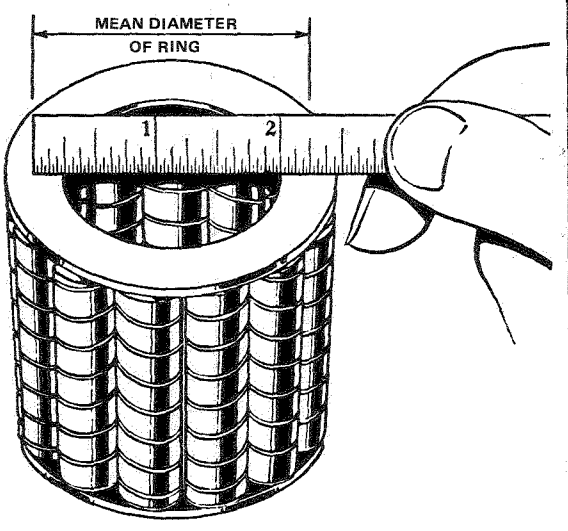
B. If the roller assembly is of the "bar through" type, measure the diameter of the center of the ring, that is, the mean diameter. (This is the diameter of the centers of bars on which the rollers are assembled.) Measure roller diameter. Subtract diameter of one roller from mean diameter of ring to obtain roller assembly inside diameter. Locate this dimension in column six, and roller diameter in column eight, then proceed as under "A" above.

C. In most cases it will be found that the same roller assembly is used in several bearings. If the roller assembly alone is required, order by roller assembly part number. If complete bearing is required, identify by inner and outer ring dimensions and details.

*This length dimension is slightly less than the dimension given in column seven, which is actually the roller assembly operating space—that is, the actual roller assembly length plus running clearance. See explanation preceding Table VII and Fig. 5.



"Bar Between" roller type roller assembly.
Fig. 1
(Applies also to solid roller assembly.)



"Bar Through" roller type roller assembly.
Fig. 2

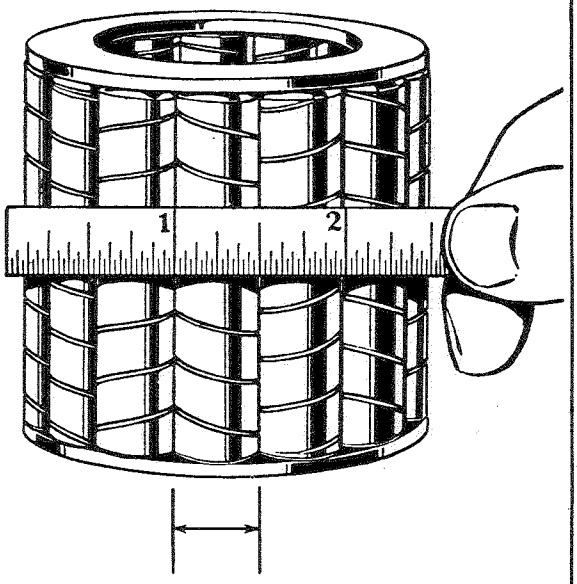


Fig. 3

(Applies also to solid roller assemblies)

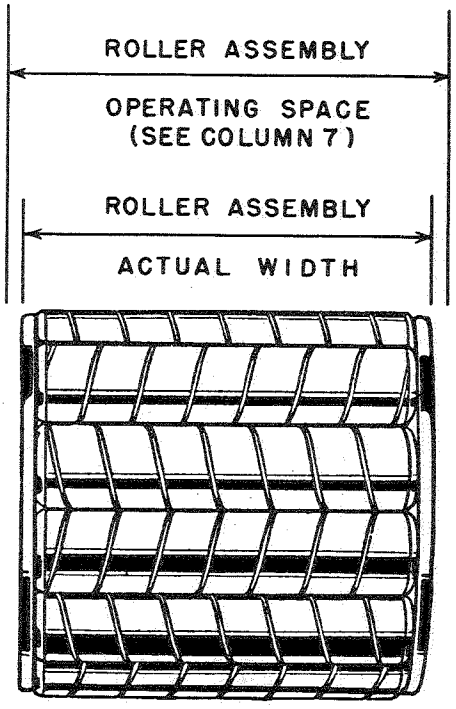


Fig. 4

(Applies also to solid roller assemblies)

Explanation of Table VI.

Column 1—Complete bearing number. Roller Assembly part number if roller assembly is not used in combination with outer or inner ring, or both.

Column 2—Inner Ring outside diameter. Same as Column six. Nominal shaft diameter where no inner ring is used.

Column 3—Inner Ring inside diameter.

Column 4—Inner Ring width.

Column 5—Inner Ring part number.

Column 6—Roller Assembly inside diameter. Nominal shaft diameter where no inner ring is used. Same as Column one where inner ring is used.

Column 7—Roller Assembly operating space.

Column 8—Roller Diameter. Measured to the nearest 1/32".

Column 9—Number of Rollers in the assembly.

Column 10—End Ring Number. (For identification of Roller Assemblies by end ring numbers see Table VII.)

Column 11—Roller Assembly Type: BB—"bar between" roller. BT—"bar through" roller.

Column 12—Roller Assembly part number.

Column 13—Outer Ring outside diameter.

Column 14—Outer Ring inside diameter. Also the nominal outside diameter of roller assembly.

Column 15—Outer Ring width.

Column 16—Type of Outer Ring: S—Solid. (See Table VIII.) P—Split (often referred to as "planished" type).

Column 17—Outer Ring part number.

Measurements as above apply to wound and solid roller assemblies.

New Departure Hyatt
ROLLER BEARING DIMENSIONAL DATA

TABLE VI
IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS

	INNER RING				ROLLER ASSEMBLY							OUTER RING				
Complete Bearing No.	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
*93020					3/8	1 1/4	3/16	5	6E6	BB	93020					
*P93020					3/8	1 1/4	3/16	5	6E6	BB	93020	1 3/16	3/4	1 1/4	P	4849
*99058					.3838	1/2	5/32	6	7675	BB	99058					
A99058					.3838	7/16	5/32	6	7675	BB						
99076					15/32	15/16	5/32	9	7853	BB	99076					
*92108					1/2	1/2	5/32	10	8E5	BB	92108					
*92112					1/2	3/4	5/32	10	8E5	BB	92112					
*SA92112					1/2	3/4	5/32	10	8E5	BB	92112	15/16	13/16	3/4	S	35158
*92120					1/2	1 1/4	5/32	10	8E5	BB	92120					
*93108					1/2	1/2	3/16	8	8E6	BB	93108					
93112					1/2	3/4	3/16	8	8E6	BB	93112					
*93116					1/2	1	3/16	8	8E6	BB	93116					
93120					1/2	1 1/4	3/16	8	8E6	BB	93120					
*HP93120					1/2	1 1/4	3/16	8	8E6	BB	93120	15/16	7/8	1 1/4	P	4620
*93124					1/2	1 1/2	3/16	8	8E6	BB	93124					
*HP93124					1/2	1 1/2	3/16	8	8E6	BB	93124	15/16	7/8	1 1/2	P	4889
93128					1/2	1 3/4	3/16	8	8E6	BB	93128					
*HP93128					1/2	1 3/4	3/16	8	8E6	BB	93128	15/16	7/8	1 3/4	P	4888
*94112					1/2	3/4	1/4	6	8E8	BB	94112					
*HP94112					1/2	3/4	1/4	6	8E8	BB	94112	1 1/16	1	3/4	P	4687
*94116					1/2	1	1/4	6	8E8	BB	94116					
*HP94116					1/2	1	1/4	6	8E8	BB	94116	1 1/16	1	1	P	4887
*S94116					1/2	1	1/4	6	8E8	BB	94116	1 3/16	1	1	S	31250
*94124					1/2	1 1/2	1/4	6	8E8	BB	94124					
*HP94124					1/2	1 1/2	1/4	6	8E8	BB	94124	1 1/16	1	1 1/2	P	4814
*94128					1/2	1 3/4	1/4	6	8E8	BB	94128					
*HP94128					1/2	1 3/4	1/4	6	8E8	BB	94128	1 1/16	1	1 3/4	P	4890
94132					1/2	2	1/4	6	8E8	BB	94132					
*HP94132					1/2	2	1/4	6	8E8	BB	94132	1 1/16	1	2	P	4891
*99004					.5900	3/4	1/4	8	7713	BB	99004					
*93208					5/8	1/2	3/16	9	10E6	BB	93208					
*93210					5/8	5/8	3/16	9	10E6	BB	93210					
*S93210					5/8	5/8	3/16	9	10E6	BB	93210	1 3/16	1	5/8	S	31038
93212					5/8	3/4	3/16	9	10E6	BB	93212					
*HP93212					5/8	3/4	3/16	9	10E6	BB	93212	1 1/16	1	3/4	P	4687
*93214					5/8	7/8	3/16	9	10E6	BB	93214					
93216					5/8	1	3/16	9	10E6	BB	93216					
*HP93216					5/8	1	3/16	9	10E6	BB	93216	1 1/16	1	1	P	4887
*S93216					5/8	1	3/16	9	10E6	BB	93216	1 3/16	1	1	S	31250
*93218					5/8	1 1/8	3/16	9	10E6	BB	93218					
93220					5/8	1 1/4	3/16	9	10E6	BB	93220					
*HP93220					5/8	1 1/4	3/16	9	10E6	BB	93220	1 1/16	1	1 1/4	P	4851
93224					5/8	1 1/2	3/16	9	10E6	BB	93224					
HP93224					5/8	1 1/2	3/16	9	10E6	BB	93224	1 1/16	1	1 1/2	P	4814
*93228					5/8	1 3/4	3/16	9	10E6	BB	93228					
*HP93228					5/8	1 3/4	3/16	9	10E6	BB	93228	1 1/16	1	1 3/4	P	4890
*93232					5/8	2	3/16	9	10E6	BB	93232					
*HP93232					5/8	2	3/16	9	10E6	BB	93232	1 1/16	1	2	P	4891
*94216					5/8	1	1/4	8	10E8	BB	94216					
*HP94216					5/8	1	1/4	8	10E8	BB	94216	1 3/16	1 1/8	1	P	4375A
*S94216					5/8	1	1/4	8	10E8	BB	94216	1 5/16	1 1/8	1	S	31253
94220					5/8	1 1/4	1/2	8	10E8	BB	94220					
*HP94220					5/8	1 1/4	1/4	8	10E8	BB	94220	1 3/16	1 1/8	1 1/4	P	4820
94224					5/8	1 1/2	1/4	8	10E8	BB	94224					
*HP94224					5/8	1 1/2	1/4	8	10E8	BB	94224	1 3/16	1 1/8	1 1/2	P	4121
S94224					5/8	1 1/2	1/4	8	10E8	BB	94224	1 5/16	1 1/8	1 1/2	S	31254
94228					5/8	1 3/4	1/4	8	10E8	BB	94228					
HP94228					5/8	1 3/4	1/4	8	10E8	BB	94228	1 3/16	1 1/8	1 3/4	P	4828
94232					5/8	2	1/4	8	10E8	BB	94232					
*HP94232					5/8	2	1/4	8	10E8	BB	94232	1 3/16	1 1/8	2	P	4815
99014					11/16	1	5/32	12	11E5	BB	99014					
92316					3/4	1	5/32	14	12E5	BB	92316					
93312					3/4	3/4	3/16	11	12E6	BB	93312					
*S93312					3/4	3/4	3/16	11	12E6	BB	93312	1 5/16	1 1/8	3/4	S	31041
*HP93312					3/4	3/4	3/16	11	12E6	BB	93312	1 3/16	1 1/8	3/4	P	4892
93314					3/4	7/8	3/16	11	12E6	BB	93314					
S93314					3/4	7/8	3/16	11	12E6	BB	93314	1 5/16	1 1/8	7/8	S	31039

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IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
93316					¾	1	3/16	11	12E6	BB	93316					
HP93316					¾	1	3/16	11	12E6	BB	93316	1 3/16	1⅛	1	P	4375A
S93316					¾	1	3/16	11	12E6	BB	93316	1 5/16	1⅛	1	S	31253
93320					¾	1¼	3/16	11	12E6	BB	93320					
*HP93320					¾	1¼	3/16	11	12E6	BB	93320	1 3/16	1⅛	1¼	P	4820
*93322					¾	1⅜	3/16	11	12E6	BB	93322					
93324					¾	1½	3/16	11	12E6	BB	93324					
*HP93324					¾	1½	3/16	11	12E6	BB	93324	1 3/16	1⅛	1½	P	4121
S93324					¾	1½	3/16	11	12E6	BB	93324	1 5/16	1⅛	1½	S	31254
*99026					¾	1½	3/16	12	12EA6	BB	99026					
*93326					¾	1⅝	3/16	11	12E6	BB	93326					
93328					¾	1¾	3/16	11	12E6	BB	93328					
HP93328					¾	1¾	3/16	11	12E6	BB	93328	1 3/16	1⅛	1¾	P	4828
*99028					¾	1¾	3/16	12	12EA6	BB	99028					
93332					¾	2	3/16	11	12E6	BB	93332					
*HP93332					¾	2	3/16	11	12E6	BB	93332	1 3/16	1⅛	2	P	4815
94316					¾	1	¼	9	12E8	BB	94316					
94318					¾	1⅛	¼	9	12E8	BB	94318					
94320					¾	1¼	¼	9	12E8	BB	94320					
94322					¾	1⅜	¼	9	12E8	BB	94322					
94324					¾	1½	¼	9	12E8	BB	94324					
*HP94324					¾	1½	¼	9	12E8	BB	94324	1 5/16	1¼	1½	P	4822
*94328					¾	1¾	¼	9	12E8	BB	94328					
*HP94328					¾	1¾	¼	9	12E8	BB	94328	1 5/16	1¼	1¾	P	4835
94332					¾	2	¼	9	12E8	BB	94332					
*HP94332					¾	2	¼	9	12E8	BB	94332	1 5/16	1¼	2	P	4834
94334					¾	2⅛	¼	9	12E8	BB	94334					
94338					¾	2⅜	¼	9	12E8	BB	94338					
*94340					¾	2½	¼	9	12E8	BB	94340					
*HP94340					¾	2½	¼	9	12E8	BB	94340	1 5/16	1¼	2½	P	4898
95316					¾	1	5/16	7	12E10	BB	95316					
*HP95316					¾	1	5/16	7	12E10	BB	95316	1 7/16	1⅜	1	P	4896
S95316					¾	1	5/16	7	12E10	BB	95316	1 9/16	1⅜	1	S	31275
95324					¾	1½	5/16	7	12E10	BB	95324					
HP95324					¾	1½	5/16	7	12E10	BB	95324	1 7/16	1⅜	1½	P	4377
S95324					¾	1½	5/16	7	12E10	BB	95324	1 9/16	1⅜	1½	S	31256
95332					¾	2	5/16	7	12E10	BB	95332					
HP95332					¾	2	5/16	7	12E10	BB	95332	1 7/16	1⅜	2	P	4378
S95332					¾	2	5/16	7	12E10	BB	95332	1 9/16	1⅜	2	S	31257
95340					¾	2½	5/16	7	12E10	BB	95340					
*HP95340					¾	2½	5/16	7	12E10	BB	95340	1 7/16	1⅜	2½	P	4899
*S95340					¾	2½	5/16	7	12E10	BB	95340	1 9/16	1⅜	2½	S	31258
99000					13/16	1½	¼	10	13E8	BB	99000					
*99017					13/16	2¼	¼	10	13E8	BB	99017					
93412					⅞	¾	3/16	12	14E6	BB	93412					
*93416					⅞	1	3/16	12	14E6	BB	93416					
93420					⅞	1¼	3/16	12	14E6	BB	93420					
93424					⅞	1½	3/16	12	14E6	BB	93424					
HP93424					⅞	1½	3/16	12	14E6	BB	93424	1 5/16	1¼	1½	P	4822
93428					⅞	1¾	3/16	12	14E6	BB	93428					
*HP93428					⅞	1¾	3/16	12	14E6	BB	93428	1 5/16	1¼	1¾	P	4835
*93432					⅞	2	3/16	12	14E6	BB	93432					
*HP93432					⅞	2	3/16	12	14E6	BB	93432	1 5/16	1¼	2	P	4834
93436					⅞	2¼	3/16	12	14E6	BB	93436					
*94412					⅞	¾	¼	10	14E8	BB	94412					
94416					⅞	1	¼	10	14E8	BB	94416					
*HP94416					⅞	1	¼	10	14E8	BB	94416	1 7/16	1⅜	1	P	4896
S94416					⅞	1	¼	10	14E8	BB	94416	1 9/16	1⅜	1	S	31725
94420					⅞	1¼	¼	10	14E8	BB	94420					
94422					⅞	1⅜	¼	10	14E8	BB	94422					
94424					⅞	1½	¼	10	14E8	BB	94424					
HP94424					⅞	1½	¼	10	14E8	BB	94424	1 7/16	1⅜	1½	P	4377
S94424					⅞	1½	¼	10	14E8	BB	94424	1 9/16	1⅜	1½	S	31256
*94426					⅞	1⅝	¼	10	14E8	BB	94426					
94428					⅞	1¾	¼	10	14E8	BB	94428					
HP94428					⅞	1¾	¼	10	14E8	BB	94428	1 7/16	1⅜	1¾	P	4547
94432					⅞	2	¼	10	14E8	BB	94432					
HP94432					⅞	2	¼	10	14E8	BB	94432	1 7/16	1⅜	2	P	4378
S94432					⅞	2	¼	10	14E8	BB	94432	1 9/16	1⅜	2	S	31257

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IDENTIFICATION OF NDH HY-ROLL BEARING BY DIMENSIONS– Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY						OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
94436					7/8	2 1/4	1/4	10	14E8	BB	94436					
*HP94436					7/8	2 1/4	1/4	10	14E8	BB	94436	1 7/16	1 3/8	2 1/4	P	4686
*94440					7/8	2 1/2	1/4	10	14E8	BB	94440					
*HP94440					7/8	2 1/2	1/4	10	14E8	BB	94440	1 7/16	1 3/8	2 1/2	P	4899
*S94440					7/8	2 1/2	1/4	10	14E8	BB	94440	1 9/16	1 3/8	2 1/2	S	31258
95416					7/8	1	5/16	8	14E10	BB	95416					
*HP95416					7/8	1	5/16	8	14E10	BB	95416	1 9/16	1 1/2	1	P	4836
SA95416					7/8	1	5/16	8	14E10	BB	95416	1 11/16	1 1/2	1	S	31262
*S95416					7/8	1	5/16	8	14E10	BB	95416	1 3/4	1 1/2	1	S	31048
*00538					7/8	1 1/2	5/16	11	7788	BT	00538					
*40004					7/8	1 1/2	5/16	11	7788	BT	00538	1 9/16	1 1/2	1 1/2	P	4811
95424					7/8	1 1/2	5/16	8	14E10	BB	95424					
*HP95424					7/8	1 1/2	5/16	8	14E10	BB	95424	1 9/16	1 1/2	1 1/2	P	4811
*95428					7/8	1 3/4	5/16	8	14E10	BB	95428					
95432					7/8	2	5/16	8	14E10	BB	95432					
HP95432					7/8	2	5/16	8	14E10	BB	95432	1 9/16	1 1/2	2	P	4840
*95440					7/8	2 1/2	5/16	8	14E10	BB	95440					
*HP95440					7/8	2 1/2	5/16	8	14E10	BB	95440	1 9/16	1 1/2	2 1/2	P	4831
*99065					15/16	1 1/2	3/16	14	15E6	BB	99065					
*93514					1	7/8	3/16	14	16E6	BB	93514					
93516					1	1	3/16	14	16E6	BB	93516					
*HP93516					1	1	3/16	14	16E6	BB	93516	1 7/16	1 3/8	1	P	4896
S93516					1	1	3/16	14	16E6	BB	93516	1 9/16	1 3/8	1	S	31275
93524					1	1 1/2	3/16	14	16E6	BB	93524					
HP93524					1	1 1/2	3/16	14	16E6	BB	93524	1 7/16	1 3/8	1 1/2	P	4377
S93524					1	1 1/2	3/16	14	16E6	BB	93524	1 9/16	1 3/8	1 1/2	S	31256
*93528					1	1 3/4	3/16	14	16E6	BB	93528					
*HP93528					1	1 3/4	3/16	14	16E6	BB	93528	1 7/16	1 3/8	1 3/4	P	4547
93532					1	2	3/16	14	16E6	BB	93532					
HP93532					1	2	3/16	14	16E6	BB	93532	1 7/16	1 3/8	2	P	4378
S93532					1	2	3/16	14	16E6	BB	93532	1 9/16	1 3/8	2	S	31257
93540					1	2 1/2	3/16	14	16E6	BB	93540					
*HP93540					1	2 1/2	3/16	14	16E6	BB	93540	1 7/16	1 3/8	2 1/2	P	4899
S93540					1	2 1/2	3/16	14	16E6	BB	93540	1 9/16	1 3/8	2 1/2	S	31258
94516					1	1	1/4	13	16EA8	BB	94516					
HP94516					1	1	1/4	13	16EA8	BB	94516	1 9/16	1 1/2	1	P	4836
*S94516					1	1	1/4	13	16EA8	BB	94516	1 3/4	1 1/2	1	S	31048
SA94516					1	1	1/4	13	16EA8	BB	94516	1 11/16	1 1/2	1	S	31262
94518					1	1 1/8	1/4	11	16E8	BB	94518					
*HP94518					1	1 1/8	1/4	11	16E8	BB	94518	1 9/16	1 1/2	1 1/8	P	4598
94520					1	1 1/4	1/4	13	16EA8	BB	94520					
94524					1	1 1/2	1/4	11	16E8	BB	94524					
HP94524					1	1 1/2	1/4	11	16E8	BB	94524	1 9/16	1 1/2	1 1/2	P	4811
*HPA94524					1	1 1/2	1/4	11	16E8	BB	94524	1 5/8	1 1/2	1 1/2	P	4637
94526					1	1 5/8	1/4	11	16E8	BB	94526					
94528					1	1 3/4	1/4	11	16E8	BB	94528					
94532					1	2	1/4	11	16E8	BB	94532					
HP94532					1	2	1/4	11	16E8	BB	94532	1 9/16	1 1/2	2	P	4840
*SA94532					1	2	1/4	11	16E8	BB	94532	1 11/16	1 1/2	2	S	31260
*94536					1	2 1/4	1/4	11	16E8	BB	94536					
94540					1	2 1/2	1/4	11	16E8	BB	94540					
*HP94540					1	2 1/2	1/4	11	16E8	BB	94540	1 9/16	1 1/2	2 1/2	P	4831
95520					1	1 1/4	5/16	10	16EA10	BB	95520					
*95524					1	1 1/2	5/16	10	16EA10	BB	95524					
*95528					1	1 3/4	5/16	10	16EA10	BB	95528					
*HP95528					1	1 3/4	5/16	10	16EA10	BB	95548	1 3/4	1 5/8	1 3/4	P	4548
95532					1	2	5/16	10	16EA10	BB	95532					
*HP95532					1	2	5/16	10	16EA10	BB	95532	1 3/4	1 5/8	2	P	4838
95540					1	2 1/2	5/16	10	16EA10	BB	95540					
HP95540					1	2 1/2	5/16	10	16EA10	BB	95540	1 3/4	1 5/8	2 1/2	P	4839
HPA95540					1	2 1/2	5/16	10	16EA10	BB	95540	1 3/4	1 5/8	2 1/2	P	4692
95548					1	3	5/16	10	16EA10	BB	95548					
*P95548					1	3	5/16	10	16EA10	BB	95548	1 13/16	1 5/8	3	P	4647
*HP95548					1	3	5/16	10	16EA10	BB	95548	1 3/4	1 5/8	3	P	4643
*17585					1	1	3/8	7	7731	BB	17585					
*18120					1	1	3/8	7	7731	BB	17585	1 15/16	1 3/4	1	P	4400
96516					1	1	3/8	7	16E12	BB	96516					
*PA96516					1	1	3/8	7	16E12	BB	96516	1 15/16	1 3/4	1	P	4400
SA96516					1	1	3/8	7	16E12	BB	96516	2.0472	1 3/4	1	S	OR304

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IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
*01076					1	1 1/2	3/8	7	7731	BB	01076					
*18122					1	1 1/2	3/8	7	7731	BB	01076	1 15/16	1 3/4	1 1/2	P	4401
*40008					1	1 1/2	3/8	7	7731	BB	01076	1 15/16	1 3/4	1 1/2	P	4827
96524					1	1 1/2	3/8	7	16E12	BB	96524					
*HPA96524					1	1 1/2	3/8	7	16E12	BB	96524	1 15/16	1 3/4	1 1/2	P	4827
*PA96524					1	1 1/2	3/8	7	16E12	BB	96524	1 15/16	1 3/4	1 1/2	P	4401
16962					1	2	3/8	7	7731	BB	16962					
18125					1	2	3/8	7	7731	BB	16962	1 15/16	1 3/4	2	P	4430
*96532					1	2	3/8	7	16E12	BB	96532					
*PA96532					1	2	3/8	7	16E12	BB	96532	1 15/16	1 3/4	2	P	4430
*16965					1	2 1/2	3/8	7	7731	BB	16965					
*18127					1	2 1/2	3/8	7	7731	BB	16965	1 15/16	1 3/4	2 1/2	P	4445
96540					1	2 1/2	3/8		16E12	BB	96540					
*PA96540					1	2 1/2	3/8	7	16E12	BB	96540	1 15/16	1 3/4	2 1/2	P	4445
96548					1	3	3/8	7	16E12	BB	96548					
*PA96548					1	3	3/8	7	16E12	BB	96548	1 15/16	1 3/4	2	P	4466
16984					1	3	3/8	7	7731	BB	16984					
*18130					1	3	3/8	7	7731	BB	16984	1 15/16	1 3/4	3	P	4466
01165					1	4	3/8	7	7731	BB	01165					
*18135					1	4	3/8	7	7731	BB	01165	1 15/16	1 3/4	4	P	4537
*96564					1	4	3/8	7	16E12	BB	96564					
*PA96564					1	4	3/8	7	16E12	BB	96564	1 15/16	1 3/4	4	P	4537
16992					1	1	1/2	7	2419	BB	16992					
*17111	1	3/4	1 3/8	32051	1	1	1/2	7	2419	BB	16992	2 1/4	2	1	S	33001
17010					1	1	1/2	7	2419	BB	16992	2 1/4	2	1	S	33001
*01156					1	2	1/2	7	2419	BB	01156					
*19125					1	2	1/2	7	2419	BB	01156	2 3/16	2	2	P	4425
02156					1	2	1/2	7	2404	BB	02156					
26314	1	3/4	2	32002	1	2	1/2	7	2404	BB	02156					
16810					1	3	1/2	7	2419	BB	16810					
*19130					1	3	1/2	7	2419	BB	16810	2 3/16	2	3	P	4450
*16833					1	4	1/2	7	2419	BB	16833					
*19135					1	4	1/2	7	2419	BB	16833	2 3/16	2	4	P	4500
93616					1 1/8	1	3/16	15	18E6	BB	93616					
HP93616					1 1/8	1	3/16	15	18E6	BB	93616	1 9/16	1 1/2	1	P	4836
*S93616					1 1/8	1	3/16	15	18E6	BB	93616	1 3/4	1 1/2	1	S	31048
93624					1 1/8	1 1/2	3/16	15	18E6	BB	93624					
HP93624					1 1/8	1 1/2	3/16	15	18E6	BB	93624	1 9/16	1 1/2	1 1/2	P	4811
93628					1 1/8	1 3/4	3/16	15	18E6	BB	93628					
93632					1 1/8	2	3/16	15	18E6	BB	93632					
HP93632					1 1/8	2	3/16	15	18E6	BB	93632	1 9/16	1 1/2	2	P	4840
*94612					1 1/8	3/4	1/4	12	18E8	BB	94612					
94616					1 1/8	1	1/4	12	18E8	BB	94616					
*HP94616					1 1/8	1	1/4	12	18E8	BB	94616	1 3/4	1 5/8	1	P	4641
S94616					1 1/8	1	1/4	12	18E8	BB	94616	1 7/8	1 5/8	1	S	35148
94620					1 1/8	1 1/4	1/4	12	18E8	BB	94620					
HP94620					1 1/8	1 1/4	1/4	12	18E8	BB	94620	1 3/4	1 5/8	1 1/4	P	4699
94622					1 1/8	1 3/8	1/4	12	18E8	BB	94622					
94624					1 1/8	1 1/2	1/4	12	18E8	BB	94624					
94626					1 1/8	1 5/8	1/4	12	18E8	BB	94626					
94628					1 1/8	1 3/4	1/4	12	18E8	BB	94628					
SA94628					1 1/8	1 3/4	1/4	12	18E8	BB	94628	1 15/16	1 5/8	1 3/4	S	31067
*SB94628					1 1/8	1 3/4	1/4	12	18E8	BB	94628	1.9369	1 5/8	1 3/4	S	31073
HP94628					1 1/8	1 3/4	1/4	12	18E8	BB	94628	1 3/4	1 5/8	1 3/4	P	4548
94632					1 1/8	2	1/4	12	18E8	BB	94632					
*HP94632					1 1/8	2	1/4	12	18E8	BB	94632	1 3/4	1 5/8	2	P	4838
*94636					1 1/8	2 1/4	1/4	12	18E8	BB	94636					
*94640					1 1/8	2 1/2	1/4	12	18E8	BB	94640					
*HP94640					1 1/8	2 1/2	1/4	12	18E8	BB	94640	1 3/4	1 5/8	2 1/2	P	4839
95624					1 1/8	1 7/16	5/16	9	18E10	BB	94624					
95632					1 1/8	2	5/16	9	18E10	BB	95632					
*HP95632					1 1/8	2	5/16	9	18E10	BB	95632	1 7/8	1 3/4	2	P	4549
*PA95632					1 1/8	2	5/16	9	18E10	BB	95632	1 15/16	1 3/4	2	P	4430
95636					1 1/8	2 1/4	5/16	9	18E10	BB	95636					
95640					1 1/8	2 1/2	5/16	9	18E10	BB	95640					
*PA95640					1 1/8	2 1/2	5/16	9	18E10	BB	95640	1 15/16	1 3/4	2 1/2	P	4445
*HP95640					1 1/8	2 1/2	5/16	9	18E10	BB	95640	1 7/8	1 3/4	2 1/2	P	4895
*HPA95640					1 1/8	2 1/2	5/16	9	18E10	BB	95640	1 15/16	1 3/4	2 1/2	P	4590
S95640					1 1/8	2 1/2	5/16	9	18E10	BB	95640	2	1 3/4	2 1/2	S	31043
*95648					1 1/8	3	5/16	9	18E10	BB	95648					
*HP95648					1 1/8	3	5/16	9	18E10	BB	95648	1 7/8	1 3/4	3	P	4886
*PA95648					1 1/8	3	5/16	9	18E10	BB	95648	1 15/16	1 3/4	3	P	4466

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS– Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY						OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
01078					1⅛	2	7/16	8	1424	BB	01078					
18150					1⅛	2	7/16	8	1424	BB	01078	2 3/16	2	2	P	4425
16959					1⅛	2½	7/16	8	1424	BB	16959					
18152					1⅛	2½	7/16	8	1424	BB	16959	2 3/16	2	2½	P	4446
*16845					1⅛	3	7/16	8	1424	BB	16845					
*18155					1⅛	3	7/16	8	1424	BB	16845	2 3/16	2	3	P	4450
16896					1⅛	4	7/16	8	1424	BB	16896					
18160					1⅛	4	7/16	8	1424	BB	16896	2 3/16	2	4	P	4500
17900	1⅛	⅞	1	32003	1⅛	1	½	7	1400	BB	17900					
17012					1⅛	1	½	7	1400	BB	17900	2⅜	2⅛	1	S	33003
SRA404					1⅛	1⅛	½	9	7203	BT	SRA404					
SC404					1⅛	1⅛	½	9	7203	BT	SRA404	2.4409	2⅛	1	S	OR305
*17901					1⅛	2	½	7	1400	BB	17901					
*19150					1⅛	2	½	7	1400	BB	17901	2 5/16	2⅛	2	P	4427
*02022					1⅛	3	½	7	1416	BB	02022					
*29155					1⅛	3	½	7	1416	BB	02022	2 5/16	2⅛	3	P	4460
*01079					1 3/16	2	½	7	1489	BB	01079					
18175					1 3/16	2	½	7	1489	BB	01079	2⅜	2 3/16	2	P	4426
*01169					1 3/16	2½	½	7	1489	BB	01169					
*18177					1 3/16	2½	½	7	1489	BB	01169	2⅜	2 3/16	2½	P	4447
01085					1 3/16	3	½	7	1489	BB	01085					
18180					1 3/16	3	½	7	1489	BB	01085	2⅜	2 3/16	3	P	4451
*01044					1 3/16	4	½	7	1489	BB	01085					
*18185					1 3/16	4	½	7	1489	BB	01044	2⅜	2 3/16	4	P	4501
*93716					1¼	1	3/16	16	20E6	BB	93716					
*HP93716					1¼	1	3/16	16	20E6	BB	93716	1¾	1⅝	1	P	4641
*S93716					1¼	1	3/16	16	20E6	BB	93716	1 7/8	1⅝	1	S	35148
93728					1¼	1¾	3/16	16	20E6	BB	93728					
HP93728					1¼	1¾	3/16	16	20E6	BB	93728	1¾	1⅝	1¾	P	4548
94712					1¼	¾	¼	13	20E8	BB	94712					
94716					1¼	1	¼	13	20E8	BB	94716					
*S94716					1¼	1	¼	13	20E8	BB	94716	2	1¾	1	S	35011
94720					1¼	1¼	¼	13	20E8	BB	94720					
*S94720					1¼	1¼	¼	13	20E8	BB	94720	2	1¾	1¼	S	31072
94724					1¼	1½	¼	13	20E8	BB	94724					
*HPA94724					1¼	1½	¼	13	20E8	BB	94724	1 15/16	1¾	1½	P	4827
94726					1¼	1⅝	¼	13	20E8	BB	94726					
S94726					1¼	1⅝	¼	13	20E8	BB	94726	2	1¾	1⅝	S	31036
*SA94726					1¼	1⅝	¼	13	20E8	BB	94726	2 1/16	1¾	1⅝	S	35034
94728					1¼	1 11/16	¼	13	20E8	BB	94728					
94732					1¼	2	¼	13	20E8	BB	94732					
*HP94732					1¼	2	¼	13	20E8	BB	94732	1⅞	1¾	2	P	4549
*HPA94732					1¼	2	¼	13	20E8	BB	94732	1 15/16	1¾	2	P	4821
*PA94732					1¼	2	¼	13	20E8	BB	94732	1 15/16	1¾	2	P	4430
94736					1¼	2¼	¼	13	20E8	BB	94736					
94740					1¼	2½	¼	13	20E8	BB	94740					
*HP94740					1¼	2½	¼	13	20E8	BB	94740	1⅞	1¾	2½	P	4895
*PA94740					1¼	2½	¼	13	20E8	BB	94740	1 15/16	1¾	2½	P	4445
S94740					1¼	2½	¼	13	20E8	BB	94740	2	1¾	2½	S	31043
94748					1¼	3	¼	13	20E8	BB	94748					
*HP94748					1¼	3	¼	13	20E8	BB	94748	1⅞	1¾	3	P	4886
*PA94748					1¼	3	¼	13	20E8	BB	94748	1 15/16	1¾	3	P	4466
95716					1¼	1	5/16	10	20E10	BB	95716					
*95718					1¼	1⅛	5/16	10	20E10	BB	95718					
95724					1¼	1½	5/16	10	20E10	BB	95724					
*HP95724					1¼	1½	5/16	10	20E10	BB	95724	2	1⅞	1½	P	4829
95732					1¼	2	5/16	10	20E10	BB	95732					
*HP95732					1¼	2	5/16	10	20E10	BB	95732	2	1⅞	2	P	4843
*PA95732					1¼	2	5/16	10	20E10	BB	95732	2 1/16	1⅞	2	P	4845
95740					1¼	2½	5/16	10	20E10	BB	95740					
HP95740					1¼	2½	5/16	10	20E10	BB	95740	2	1⅞	2½	P	4893
*PA95740					1¼	2½	5/16	10	20E10	BB	95740	2 1/16	1⅞	2½	P	4381
99007X					1¼	3	5/16	10	20E10	BB	99007X					
HP99007X					1¼	3	5/16	10	20E10	BB	99007X	2	1⅞	3	P	4837
95748					1¼	3	5/16	10	20E10	BB	95748					
HP95748					1¼	3	5/16	10	20E10	BB	95748	2	1⅞	3	P	4837
*PA95748					1¼	3	5/16	10	20E10	BB	95748	2 1/16	1⅞	3	P	4591

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Suffix symbol "X" denotes un-heat treated rollers.

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS– Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
*96716					1¼	1	⅜	9	20E12	BB	96716					
96732					1¼	2	⅜	9	20E12	BB	96732					
P96732					1¼	2	⅜	9	20E12	BB	96732	2 3/16	2	2	P	4425
96740					1¼	2½	⅜	9	20E12	BB	96740					
*P96740					1¼	2½	⅜	9	20E12	BB	96740	2 3/16	2	2½	P	4446
*96744					1¼	2¾	⅜	9	20E12	BB	96744					
96748					1¼	3	⅜	9	20E12	BB	96748					
*P96748					1¼	3	⅜	9	20E12	BB	96748	2 3/16	2	3	P	4450
16907					1¼	3	⅜	9	7701	BB	16907					
*18198					1¼	3	⅜	9	7701	BB	16907	2 3/16	2	3	P	4450
*96764					1¼	4	⅜	9	20E12	BB	96764					
*P96764					1¼	4	⅜	9	20E12	BB	96764	2 3/16	2	4	P	4500
*16837					1¼	4	⅜	9	1457	BB	16837					
*18199					1¼	4	⅜	9	1457	BB	16837	2 3/16	2	4	P	4500
RA305					1¼	1⅛	7/16	11	7719	BT	RA305					
305	1¼	.9843	1⅛	IR305	1¼	1⅛	7/16	11	7719	BT	RA305	2.4409	2⅛	1⅛	S	OR305
RA99305					1¼	1⅛	7/16	8	20EA14	BB	RA99305					
99305	1¼	.9843	1⅛	IR305	1¼	1⅛	7/16	8	20EA14	BB	RA99305	2.4409	2⅛	1⅛	S	OR305
SC99305					1¼	1⅛	7/16	8	20EA14	BB	RA99305	2.4609	2⅛	1⅛	S	SOR305
00540					1¼	3	7/16	11	7719	BT	00540					
16168					1¼	3	7/16	11	7719	BT	00540	2 5/16	2⅛	3	P	4460
*99036X					1¼	4½	7/16	8	20EA14X	BB	99036X					
01173					1¼	2	½	8	7722	BB	01173					
18195					1¼	2	½	8	7722	BB	01173	2 7/16	2¼	2	P	4431
01084					1¼	2½	½	8	7722	BB	01084					
*18197					1¼	2½	½	8	7722	BB	01084	2 7/16	2¼	2½	P	4448
16963					1¼	3	½	8	7722	BB	16963					
18200					1¼	3	½	8	7722	BB	16963	2 7/16	2¼	3	P	4452
16989					1¼	4	½	8	7722	BB	16989					
18205					1¼	4	½	8	7722	BB	16989	2 7/16	2¼	4	P	4502
99045					1¼	4	½	7	20E16	BB	99045					
P99045					1¼	4	½	7	20E16	BB	99045	2 7/16	2¼	4	P	4502
*01106					1¼	5	½	8	7722	BB	01106					
*18210					1¼	5	½	8	7722	BB	01106	2 7/16	2¼	5	P	4550
*27594					1¼	1¾	9/16	8	2981	BB	27594					
*27204					1¼	1¾	9/16	8	2981	BB	27594	2 33/64	2⅜	1¾	P	4111
*26910					1¼	2 15/16	9/16	8	2981	BB	26910					
*17584					1¼	2	⅝	7	2445	BB	17584					
02016					1¼	2½	⅝	7	2426	BB	02016					
29197					1¼	2½	⅝	7	2426	BB	02016	2 11/16	2½	2½	P	4772
*17566					1¼	3	⅝	7	2445	BB	17566					
*19200					1¼	3	⅝	7	2445	BB	17566	2 11/16	2½	3	P	4453
*01273					1 5/16	3	½	8	7571	BB	01273					
*18750					1 5/16	3	½	8	7571	BB	01273	2½	2 5/16	3	P	4740
93816					1⅜	1	3/16	18	22E6	BB	93816					
*S93816					1⅜	1	3/16	18	22E6	BB	93816	2	1¾	1	S	35011
*93824					1⅜	1½	3/16	18	22E6	BB	93824					
*93828					1⅜	1¾	3/16	18	22E6	BB	93828					
94820					1⅜	1¼	¼	14								
*94826					1⅜	1⅝	¼	14	22E8	BB	94826					
*S94826					1⅜	1⅝	¼	14	22E8	BB	94826	2⅛	1⅞	1⅝	S	31046
94828					1⅜	1¾	¼	14	22E8	BB	94828					
*95828					1⅜	1¾	5/16	11	22E10	BB	95828					
95840					1⅜	2½	5/16	11	22E10	BB	95840					
*HP95840					1⅜	2½	5/16	11	22E10	BB	95840	2⅛	2	2½	P	4885
95848					1⅜	3	5/16	11	22E10	BB	95848					
HP95848					1⅜	3	5/16	11	22E10	BB	95848	2⅛	2	3	P	4832
*17927					1⅜	2	½	8	1488	BB	17927					
*18220					1⅜	2	½	8	1488	BB	17927	2 9/16	2⅜	2	P	4432
*16855					1⅜	2½	½	8	1488	BB	16855					
*18222					1⅜	2½	½	8	1488	BB	16855	2 9/16	2⅜	2½	P	4438
*01042					1⅜	3	½	8	1488	BB	01042					
*18225					1⅜	3	½	8	1488	BB	01042	2 9/16	2⅜	3	P	4454
16894					1⅜	4	½	8	1488	BB	16894					
*18230					1⅜	4	½	8	1488	BB	16894	2 9/16	2⅜	4	P	4504

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IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS– Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
SRA405					1 3/8	1 3/16	9/16	10	7200	BT	SRA405					
S405	1 3/8	.9843	1 3/16	IR405	1 3/8	1 3/16	9/16	10	7200	BT	SRA405	2.8346	2 1/2	1 3/16	S	OR306
99037					1 7/16	1 1/4	3/16	20	23EA6	BB	99037					
HPA99037					1 7/16	1 1/4	3/16	20	23EA6	BB	99037	1 7/8	1 13/16	1 1/4	P	4669
*99019X					1 7/16	3 3/4	1/4	12	23EX8	BB	99019X					
*99020X					1 7/16	4 1/2	5/16	11	23EX10	BB	99020X					
*01176					1 7/16	2	9/16	8	7584	BB	01176					
*18245					1 7/16	2	9/16	8	7584	BB	01176	2 3/4	2 9/16	2	P	4449
46853					1 7/16	2 1/2	9/16	7	7584	BB	46853					
48247					1 7/16	2 1/2	9/16	7	7584	BB	46853	2 3/4	2 9/16	2 1/2	P	4799
*01177					1 7/16	3	9/16	8	7584	BB	01177					
*18250					1 7/16	3	9/16	8	7584	BB	01177	2 3/4	2 9/16	3	P	4456
01179					1 7/16	4	9/16	8	7584	BB	01179					
18255					1 7/16	4	9/16	8	7584	BB	01179	2 3/4	2 9/16	4	P	4506
*01180					1 7/16	5	9/16	8	7584	BB	01180					
*18260					1 7/16	5	9/16	8	7584	BB	01180	2 3/4	2 9/16	5	P	4554
01120					1 7/16	2 1/2	3/4	7	1419	BB	01120					
*19247					1 7/16	2 1/2	3/4	7	1419	BB	01120	3 1/8	2 15/16	2 1/2	P	4771
*01295					1 7/16	3	3/4	7	1419	BB	01295					
*19250					1 7/16	3	3/4	7	1419	BB	01295	3 1/8	2 15/16	3	P	4457
94916					1 1/2	1	1/4	15	24E8	BB	94916					
94920					1 1/2	1 1/4	1/4	15	24E8	BB	94920					
S94920					1 1/2	1 1/4	1/4	15	24E8	BB	94920	2 1/4	2	1 1/4	S	31128
94932					1 1/2	2	1/4	15	24E8	BB	94932					
95912					1 1/2	3/4	5/16	11	24E10	BB	95912					
*RA206					1 1/2	13/16	5/16	17	7392	BT	RA206					
RA99206					1 1/2	13/16	5/16	11	24E10	BB	RA99206					
*206	1 1/2	1.1811	13/16	IR206	1 1/2	13/16	5/16	17	7392	BT	RA206	2.4409	2 1/8	13/16	S	OR206
99206	1 1/2	1.1811	13/16	IR206	1 1/2	13/16	5/16	11	24E10	BB	RA99206	2.4409	2 1/8	13/16	S	OR206
*WRA206					1 1/2	1 1/8	5/16	17	7392	BT	WRA206					
WRA99206					1 1/2	1 1/8	5/16	11	24E10	BB	WRA99206					
W206	1 1/2	1.1811	1 1/8	WIR206	1 1/2	1 1/8	5/16	17	7392	BT	WRA206	2.4409	2 1/8	1 1/8	S	OR305
W99206	1 1/2	1.1811	1 1/8	WIR206	1 1/2	1 1/8	5/16	11	24E10	BB	WRA99206	2.4409	2 1/8	1 1/8	S	OR305
*SW206	1 1/2	1 1/8	2 1/2	30379Y	1 1/2	1 1/8	5/16	17	7392	BT	WRA206	2.4409	2 1/8	1 1/8	S	OR305
*SW99206	1 1/2	1 1/8	2 1/2	30379Y	1 1/2	1 1/8	5/16	11	24E10	BB	WRA99206	2.4409	2 1/8	1 1/8	S	OR305
*TW206	1 1/2	1 1/8	2 1/2	30379	1 1/2	1 1/8	5/16	17	7392	BT	WRA206	2.4409	2 1/8	1 1/8	S	OR305
TW99206	1 1/2	1 1/8	2 1/2	30379	1 1/2	1 1/8	5/16	11	24E10	BB	WRA99206	2.4409	2 1/8	1 1/8	S	OR305
*TXW206	1 1/2	1 3/16	2 1/2	30423	1 1/2	1 1/8	5/16	17	7392	BT	WRA206	2.4409	2 1/8	1 1/8	S	OR305
TXW99206	1 1/2	1 3/16	2 1/2	30423	1 1/2	1 1/8	5/16	11	24E10	BB	WRA99206	2.4409	2 1/8	1 1/8	S	OR305
*TZW206	1 1/2	1 3/16	2 1/2	30060	1 1/2	1 1/8	5/16	17	7392	BT	WRA206	2.4409	2 1/8	1 1/8	S	OR305
TZW99206	1 1/2	1 3/16	2 1/2	30060	1 1/2	1 1/8	5/16	11	24E10	BB	WRA99206	2.4409	2 1/8	1 1/8	S	OR305
95920					1 1/2	1 1/4	5/16	11	24E10	BB	95920					
*HP95920					1 1/2	1 1/4	5/16	11	24E10	BB	95920	2 1/4	2 1/8	1 1/4	P	4689
95928					1 1/2	1 3/4	5/16	11	24E10	BB	95928					
S95928					1 1/2	1 3/4	5/16	11	24E10	BB	95928	2 3/8	2 1/8	1 3/4	S	31045
95932					1 1/2	2	5/16	11	24E10	BB	95932					
HP95932					1 1/2	2	5/16	11	24E10	BB	95932	2 1/4	2 1/8	2	P	4387
95940					1 1/2	2 1/2	5/16	11	24E10	BB	95940					
HP95940					1 1/2	2 1/2	5/16	11	24E10	BB	95940	2 1/4	2 1/8	2 1/2	P	4395
*99022X					1 1/2	3	3/8	10	24EX12	BB	99022X					
*P99022X					1 1/2	3	3/8	10	24EX12	BB	99022X	2 3/8	2 1/4	3	P	4823
*99023X					1 1/2	4	7/16	9	24EX14	BB	99023X					
*P99023X					1 1/2	4	7/16	9	24EX14	BB	99023X	2 1/2	2 3/8	4	P	4824
NRA306					1 1/2	15/16	1/2	12	7092	BT	NRA306					
N306	1 1/2	1.1811	15/16	NIR306	1 1/2	15/16	1/2	12	7092	BT	NRA306	2.8346	2 1/2	15/16	S	OR207
RA306					1 1/2	1 3/16	1/2	12	7092	BT	RA306					
306	1 1/2	1.1811	1 3/16	IR306	1 1/2	1 3/16	1/2	12	7092	BT	RA306	2.8346	2 1/2	1 3/16	S	OR306
T306	1 1/2	1 1/8	2 1/2	30379	1 1/2	1 3/16	1/2	12	7092	BT	RA306	2.8346	2 1/2	1 3/16	S	OR306
16873					1 1/2	2	9/16	8	7787	BB	16873					
16476					1 1/2	2	9/16	8	7787	BB	16873	3	2 5/8	2	S	35053
18270					1 1/2	2	9/16	8	7787	BB	16873	2 13/16	2 5/8	2	P	4435
17926					1 1/2	2 1/2	9/16	8	7787	BB	17926					
18272					1 1/2	2 1/2	9/16	8	7787	BB	17926	2 13/16	2 5/8	2 1/2	P	4797
01075					1 1/2	3	9/16	8	7787	BB	01075					

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.
Suffix symbol "X" denotes un-heat treated rollers.

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
18275					1 1/2	3	9/16	8	7787	BB	01075	2 13/16	2 5/8	3	P	4455
01087					1 1/2	4	9/16	8	7787	BB	01087					
*18280					1 1/2	4	9/16	8	7787	BB	01087	2 13/16	2 5/8	4	P	4505
01183					1 1/2	5	9/16	8	7787	BB	01183					
*18285					1 1/2	5	9/16	8	7787	BB	01183	2 13/16	2 5/8	5	P	4553
*04096					1 1/2	3	3/4	7	7852	BB	04096					
04015					1 1/2	4	3/4	7	7852	BB	04015					
*49280					1 1/2	4	3/4	7	7852	BB	04015	3 3/16	3	4	P	4508
*99086X					1 5/8	3 1/4	3/8	11	26EX12	BB	99086X					
*99021X					1 5/8	3 3/4	3/8	11	26EX12	BB	99021X					
*P99021X					1 5/8	3 3/4	3/8	11	26EX12	BB	99021X	2 1/2	2 3/8	3 3/4	P	4599
ARA406					1 5/8	1	9/16	12	7386	BT	ARA406					
ASC406					1 5/8	1	9/16	12	7386	BT	ARA406	3.1496	2 3/4	1	S	OR208
SRA406					1 5/8	1 3/8	9/16	12	7386	BT	SRA406					
S406	1 5/8	1.1811	1 3/8	IR406	1 5/8	1 3/8	9/16	12	7386	BT	SRA406	3.1496	2 3/4	1 3/8	S	OR307
*01185					1 5/8	2	9/16	8	7597	BB	01185					
*18295					1 5/8	2	9/16	8	7597	BB	01185	2 15/16	2 3/4	2	P	4795
*01129					1 5/8	2 1/2	9/16	8	7597	BB	01129					
*18297					1 5/8	2 1/2	9/16	8	7597	BB	01129	2 15/16	2 3/4	2 1/2	P	4796
01105					1 5/8	3	9/16	8	7597	BB	01105					
18300					1 5/8	3	9/16	8	7597	BB	01105	2 15/16	2 3/4	3	P	4459
16868					1 5/8	4	9/16	8	7597	BB	16868					
*18305					1 5/8	4	9/16	8	7597	BB	18668	2 15/16	2 3/4	4	P	4509
*01187					1 5/8	5	9/16	8	7597	BB	01187					
*18310					1 5/8	5	9/16	8	7597	BB	01187	2 15/16	2 3/4	5	P	4557
46979					1 5/8	4	11/16	7	7858	BB	46979					
*49305					1 5/8	4	11/16	7	7858	BB	46979	3 3/16	3	4	P	4508
*47551					1 5/8	1 1/4	3/4	7	7860	BB	47551					
99096					1 11/16	1 3/4	1/4	15	27E8	BB	99096					
HP99096					1 11/16	1 3/4	1/4	15	27E8	BB	99096	2 1/4	2 3/16	1 3/4	P	4697
*99072					1 11/16	3 1/2	3/8	11	27E12	BB	99072					
*HP99072					1 11/16	3 1/2	3/8	11	27E12	BB	99072	2 9/16	2 7/16	3 1/2	P	4642
*01097					1 11/16	2	9/16	9	1438	BB	01097					
*18315					1 11/16	2	9/16	9	1438	BB	01097	3	2 13/16	2	P	4793
*16970					1 11/16	2 1/2	9/16	9	1438	BB	16970					
*18317					1 11/16	2 1/2	9/16	9	1438	BB	16970	3	2 13/16	2 1/2	P	4794
*01188					1 11/16	3	9/16	9	1438	BB	01188					
*18320					1 11/16	3	9/16	9	1438	BB	01188	3	2 13/16	3	P	4467
01190					1 11/16	4	9/16	9	1438	BB	01190					
18325					1 11/16	4	9/16	9	1438	BB	01190	3	2 13/16	4	P	4510
*99088					1 3/4	1	1/4	18	28E8	BB	99088					
99041					1 3/4	1 1/8	1/4	18	28E8	BB	99041					
*HP99041					1 3/4	1 1/8	1/4	18	28E8	BB	99041	2 3/8	2 1/4	1 1/8	P	4640
99048					1 3/4	1 1/4	5/16	15	28EB10	BB	99048					
99029					1 3/4	1 1/2	5/16	15	28EB10	BB	99029					
99042					1 3/4	1 3/4	5/16	15	28EB10	BB	99042					
99039					1 3/4	2	5/16	13	28E10	BB	99039					
HP99039					1 3/4	2	5/16	13	28E10	BB	99039	2 1/2	2 3/8	2	P	4635
*99027					1 3/4	2 1/2	5/16	13	28E10	BB	99027					
RA207					1 3/4	15/16	3/8	17	7199	BT	RA207					
RA99207					1 3/4	15/16	3/8	11	28E12	BB	RA99207					
207	1 3/4	1.3780	15/16	IR207	1 3/4	15/16	3/8	17	7199	BT	RA207	2.8346	2 1/2	15/16	S	OR207
T207	1 3/4	1 3/8	2 1/2	30335	1 3/4	15/16	3/8	17	7199	BT	RA207	2.8346	2 1/2	15/16	S	OR207
TX207	1 3/4	1 1/4	2 1/2	30395	1 3/4	15/16	3/8	17	7199	BT	RA207	2.8346	2 1/2	15/16	S	OR207
99207	1 3/4	1.3780	15/16	IR207	1 3/4	15/16	3/8	11	28E12	BB	RA99207	2.8346	2 1/2	15/16	S	OR207
WRA207					1 3/4	1 3/16	3/8	17	7199	BT	WRA207					
WRA99207					1 3/4	1 3/16	3/8	11	28E12	BB	WRA99207					
W207	1 3/4	1.3780	1 3/16	WIR207	1 3/4	1 3/16	3/8	17	7199	BT	WRA207	2.8346	2 1/2	1 3/16	S	OR306
W99207	1 3/4	1.3780	1 3/16	WIR207	1 3/4	1 3/16	3/8	11	28E12	BB	WRA99207	2.8346	2 1/2	1 3/16	S	OR306
SW207	1 3/4	1 3/8	1 7/8	30067	1 3/4	1 3/16	3/8	17	7199	BT	WRA207	2.8346	2 1/2	1 3/16	S	OR306
SW99207	1 3/4	1 3/8	1 7/8	30067	1 3/4	1 3/16	3/8	11	28E12	BB	WRA99207	2.8346	2 1/2	1 3/16	S	OR306
TW207	1 3/4	1 3/8	2 1/2	30335	1 3/4	1 3/16	3/8	17	7199	BT	WRA207	2.8346	2 1/2	1 3/16	S	OR306
TW99207	1 3/4	1 3/8	2 1/2	30335	1 3/4	1 3/16	3/8	11	28E12	BB	WRA99207	2.8346	2 1/2	1 3/16	S	OR306
TZW99207	1 3/4	1 3/8	2 1/2	30062	1 3/4	1 3/16	3/8	11	28E12	BB	WRA99207	2.8346	2 1/2	1 3/16	S	OR306

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Suffix symbol "X" denotes un-heat treated rollers.

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
TXW207	1¾	1¼	2½	30395	1¾	1 3/16	3/8	17	7199	BT	WRA207	2.8346	2½	1 3/16	S	OR306
TXW99207	1¾	1¼	2½	30395	1¾	1 3/16	3/8	11	28E12	BB	WRA99207	2.8346	2½	1 3/16	S	OR306
TYW207	1¾	1 7/16	1 7/16	30413	1¾	1 3/16	3/8	17	7199	BT	WRA207	2.8346	2½	1 3/16	S	OR306
TYW99207	1¾	1 7/16	1 7/16	30413	1¾	1 3/16	3/8	11	28E12	BB	WRA99207	2.8346	2½	1 3/16	S	OR306
CSD207	. . .	. . .	. . .	. . .	1¾	1⅞	3/8	17	7199	BT	RA207•	2.8346	2½	1⅞	S	SDOR207
CSD99207	. . .	. . .	. . .	. . .	1¾	1⅞	3/8	11	28E12	BB	RA99207•	2.8346	2½	1⅞	S	SDOR207
*NRA307	. . .	. . .	. . .	. . .	1¾	1	½	13	7123	BT	NRA307	. . .	. . .	. . .	. . .	. . .
*NC307	. . .	. . .	. . .	. . .	1¾	1	½	13	7123	BT	NRA307	3.1496	2¾	1	S	OR208
RA307	. . .	. . .	. . .	. . .	1¾	1⅜	½	13	7123	BT	RA307	. . .	. . .	. . .	. . .	. . .
RA99307	. . .	. . .	. . .	. . .	1¾	1⅜	½	9	28E16	BB	RA99307	. . .	. . .	. . .	. . .	. . .
307	1¾	1.3780	1⅜	IR307	1¾	1⅜	½	13	7123	BT	RA307	3.1496	2¾	1⅜	S	OR307
99307	1	1.3780	1⅜	IR307	1¾	1⅜	½	9	28E16	BB	RA99307	3.1496	2¾	1⅜	S	OR307
T307	1¾	1⅜	2½	30335	1¾	1⅜	½	13	7123	BT	RA307	3.1496	2¾	1⅜	S	OR307
T99307	1¾	1⅜	2½	30335	1¾	1⅜	½	9	28E16	BB	RA99307	3.1496	2¾	1⅜	S	OR307
TX307	1¾	1¼	2½	30395	1¾	1⅜	½	13	7123	BT	RA307	3.1496	2¾	1⅜	S	OR307
TX99307	1¾	1¼	2½	30395	1¾	1⅜	½	9	28E16	BB	RA99307	3.1496	2¾	1⅜	S	OR307
99087	. . .	. . .	. . .	. . .	1¾	2	½	9	28E16	BB	99087	. . .	. . .	. . .	. . .	. . .
16857	. . .	. . .	. . .	. . .	1¾	2	9/16	9	1463	BB	16857	. . .	. . .	. . .	. . .	. . .
*18340	. . .	. . .	. . .	. . .	1¾	2	9/16	9	1463	BB	16857	3 1/16	2⅞	2	P	4791
01090	. . .	. . .	. . .	. . .	1¾	3	9/16	9	1463	BB	01090	. . .	. . .	. . .	. . .	. . .
40006	. . .	. . .	. . .	. . .	1¾	3	9/16	9	1463	BB	01090	3 1/16	2⅞	3	P	4806
*01142	. . .	. . .	. . .	. . .	1¾	4	9/16	9	1463	BB	01142	. . .	. . .	. . .	. . .	. . .
*18350	. . .	. . .	. . .	. . .	1¾	4	9/16	9	1463	BB	01142	3 1/16	2⅞	4	P	4512
01093	. . .	. . .	. . .	. . .	1¾	5	9/16	9	1463	BB	01093	. . .	. . .	. . .	. . .	. . .
18355	. . .	. . .	. . .	. . .	1¾	5	9/16	9	1463	BB	01093	3 1/16	2⅞	5	P	4560
*46901	. . .	. . .	. . .	. . .	1¾	1¼	¾	7	7868	BB	46901	. . .	. . .	. . .	. . .	. . .
*47022	. . .	. . .	. . .	. . .	1¾	1¼	¾	7	7868	BB	46901	3⅝	3¼	1¼	S	33013
99040	. . .	. . .	. . .	. . .	1⅞	1⅛	5/16	16	30E10	BB	99040	. . .	. . .	. . .	. . .	. . .
16842	. . .	. . .	. . .	. . .	1⅞	2	9/16	10	1411	BB	16842	. . .	. . .	. . .	. . .	. . .
*01068	. . .	. . .	. . .	. . .	1⅞	3	9/16	10	1411	BB	01068	. . .	. . .	. . .	. . .	. . .
*18370	. . .	. . .	. . .	. . .	1⅞	3	9/16	10	1411	BB	01068	3 3/16	3	3	P	4458
*00506	. . .	. . .	. . .	. . .	1⅞	3	9/16	13	7140	BT	00506	. . .	. . .	. . .	. . .	. . .
*40003	. . .	. . .	. . .	. . .	1⅞	3	9/16	13	7140	BT	00506	3 3/16	3	3	P	4803
*01046	. . .	. . .	. . .	. . .	1⅞	4	9/16	10	1411	BB	01046	. . .	. . .	. . .	. . .	. . .
*18375	. . .	. . .	. . .	. . .	1⅞	4	9/16	10	1411	BB	01046	3 3/16	3	4	P	4508
*01198	. . .	. . .	. . .	. . .	1⅞	5	9/16	10	1411	BB	01198	. . .	. . .	. . .	. . .	. . .
*18380	. . .	. . .	. . .	. . .	1⅞	5	9/16	10	1411	BB	01198	3 3/16	3	5	P	4556
47591	. . .	. . .	. . .	. . .	1⅞	1¼	¾	8	7872	BB	47591	. . .	. . .	. . .	. . .	. . .
47124	1⅞	1½	1⅝	32063	1⅞	1¼	¾	8	7872	BB	47591	3¾	3⅜	1¼	S	33015
*RA407	. . .	. . .	. . .	. . .	1⅞	1 9/16	13/16	10	7871	BT	RA407	. . .	. . .	. . .	. . .	. . .
SRA209	. . .	. . .	. . .	. . .	1 15/16	1⅛	½	15	7863	BT	SRA209	. . .	. . .	. . .	. . .	. . .
SC209	. . .	. . .	. . .	. . .	1 15/16	1⅛	½	15	7863	BT	SRA209	3.3465	2 15/16	1⅛	S	OR209
*01200	. . .	. . .	. . .	. . .	1 15/16	2	⅝	10	1402	BB	01200	. . .	. . .	. . .	. . .	. . .
*18390	. . .	. . .	. . .	. . .	1 15/16	2	⅝	10	1402	BB	01200	3 7/16	3 3/16	2	P	4789
01201	. . .	. . .	. . .	. . .	1 15/16	3	⅝	10	1402	BB	01201	. . .	. . .	. . .	. . .	. . .
18395	. . .	. . .	. . .	. . .	1 15/16	3	⅝	10	1402	BB	01201	3 7/16	3 3/16	3	P	4469
01203	. . .	. . .	. . .	. . .	1 15/16	4	⅝	10	1402	BB	01203	. . .	. . .	. . .	. . .	. . .
18400	. . .	. . .	. . .	. . .	1 15/16	4	⅝	10	1402	BB	01203	3 7/16	3 3/16	4	P	4515
18401	. . .	. . .	. . .	. . .	1 15/16	4	⅝	10	1402	BB	01203	3 7/16	3 3/16	4	P	4691
01204	. . .	. . .	. . .	. . .	1 15/16	5	⅝	10	1402	BB	01204	. . .	. . .	. . .	. . .	. . .
*18405	. . .	. . .	. . .	. . .	1 15/16	5	⅝	10	1402	BB	01204	3 7/16	3 3/16	5	P	4563
*01205	. . .	. . .	. . .	. . .	1 15/16	6	⅝	10	1402	BB	01205	. . .	. . .	. . .	. . .	. . .
*18410	. . .	. . .	. . .	. . .	1 15/16	6	⅝	10	1402	BB	01205	3 7/16	3 3/16	6	P	4606
99092	. . .	. . .	. . .	. . .	2	1⅛	3/16	26	32E6	BB	99092	. . .	. . .	. . .	. . .	. . .
99059	. . .	. . .	. . .	. . .	2	1¼	¼	20	32E8	BB	99059	. . .	. . .	. . .	. . .	. . .
99078	. . .	. . .	. . .	. . .	2	1⅞	¼	20	32E8	BB	99078	. . .	. . .	. . .	. . .	. . .
*99083	. . .	. . .	. . .	. . .	2	1¾	5/16	14	32E10	BB	99083	. . .	. . .	. . .	. . .	. . .
RA208	. . .	. . .	. . .	. . .	2	1	⅜	19	7130	BT	RA208	. . .	. . .	. . .	. . .	. . .
RA99208	. . .	. . .	. . .	. . .	2	1	⅜	13	32E32	BB	RA99208	. . .	. . .	. . .	. . .	. . .
208	2	1.5748	1	IR208	2	1	⅜	19	7130	BT	RA208	3.1496	2¾	1	S	OR208
99208	2	1.5748	1	IR208	2	1	⅜	13	32E32	BB	RA99208	3.1496	2¾	1	S	OR208
WRA208	. . .	. . .	. . .	. . .	2	1⅜	⅜	19	7130	BT	WRA208	. . .	. . .	. . .	. . .	. . .
WRA99208	. . .	. . .	. . .	. . .	2	1⅜	⅜	13	32E12	BB	WRA99208	. . .	. . .	. . .	. . .	. . .
W208	2	1.5748	1⅜	WIR208	2	1⅜	⅜	19	7130	BT	WRA208	3.1496	2¾	1⅜	S	OR307
W99208	2	1.5748	1⅜	WIR208	2	1⅜	⅜	13	32E12	BB	WRA99208	3.1496	2¾	1⅜	S	OR307

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

•Denotes two roller assemblies

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY						OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
TW208	2	1 5/8	2 3/4	30385	2	1 3/8	3/8	19	7130	BT	WRA208	3.1496	2 3/4	1 3/8	S	OR307
TW99208	2	1 5/8	2 3/4	30385	2	1 3/8	3/8	13	32E12	BB	WRA99208	3.1496	2 3/4	1 3/8	S	OR307
TXW208	2	1 1/2	2 1/2	30396	2	1 3/8	3/8	19	7130	BT	WRA208	3.1496	2 3/4	1 3/8	S	OR307
TXW99208	2	1 1/2	2 1/2	30396	2	1 3/8	3/8	13	32E12	BB	WRA99208	3.1496	2 3/4	1 3/8	S	OR307
TYW208	2	1 9/16	2 1/2	30429	2	1 3/8	3/8	19	7130	BT	WRA208	3.1496	2 3/4	1 3/8	S	OR307
*99068	. . .	. . .	. . .	. . .	2	2 1/4	3/8	13	32E12	BB	99068	. . .	. . .	. . .	. . .	. . .
NRA308	. . .	. . .	. . .	. . .	2	1 1/4	9/16	14	7124	BT	NRA308	. . .	. . .	. . .	. . .	. . .
NC308	. . .	. . .	. . .	. . .	2	1 1/4	9/16	14	7124	BT	NRA308	3.5433	3 1/8	1 1/4	S	OR210
RA308	. . .	. . .	. . .	. . .	2	1 7/16	9/16	14	7124	BT	RA308	. . .	. . .	. . .	. . .	. . .
308	2	1.5748	1 7/16	IR308	2	1 7/16	9/16	14	7124	BT	RA308	3.5433	3 1/8	1 7/16	S	OR308
T308	2	1 5/8	2 3/4	30385	2	1 7/16	9/16	14	7124	BT	RA308	3.5433	3 1/8	1 7/16	S	OR308
TX308	2	1 1/2	2 1/2	30396	2	1 7/16	9/16	14	7124	BT	RA308	3.5433	3 1/8	1 7/16	S	OR308
*01144	. . .	. . .	. . .	. . .	2	2	5/8	9	1458	BB	01144	. . .	. . .	. . .	. . .	. . .
*18415	. . .	. . .	. . .	. . .	2	2	5/8	9	1458	BB	01144	3 1/2	3 1/4	2	P	4787
*01206	. . .	. . .	. . .	. . .	2	2 1/2	5/8	9	1458	BB	01206	. . .	. . .	. . .	. . .	. . .
*18417	. . .	. . .	. . .	. . .	2	2 1/2	5/8	9	1458	BB	01206	3 1/2	3 1/4	2 1/2	P	4788
*01065	. . .	. . .	. . .	. . .	2	3	5/8	9	1458	BB	01065	. . .	. . .	. . .	. . .	. . .
*18420	. . .	. . .	. . .	. . .	2	3	5/8	9	1458	BB	01065	3 1/2	3 1/4	3	P	4470
01208	. . .	. . .	. . .	. . .	2	4	5/8	9	1458	BB	01208	. . .	. . .	. . .	. . .	. . .
18425	. . .	. . .	. . .	. . .	2	4	5/8	9	1458	BB	01208	3 1/2	3 1/4	4	P	4517
*99034X	. . .	. . .	. . .	. . .	2	4	5/8	9	32EX20	BB	99034X	. . .	. . .	. . .	. . .	. . .
01081	. . .	. . .	. . .	. . .	2	5	5/8	9	1458	BB	01081	. . .	. . .	. . .	. . .	. . .
*18430	. . .	. . .	. . .	. . .	2	5	5/8	9	1458	BB	01081	3 1/2	3 1/4	5	P	4565
*01209	. . .	. . .	. . .	. . .	2	6	5/8	9	1458	BB	01209	. . .	. . .	. . .	. . .	. . .
*18435	. . .	. . .	. . .	. . .	2	6	5/8	9	1458	BB	01209	3 1/2	3 1/4	6	P	4608
*04163	. . .	. . .	. . .	. . .	2	3 1/2	7/8	7	7753	BB	04163	. . .	. . .	. . .	. . .	. . .
*49422	. . .	. . .	. . .	. . .	2	3 1/2	7/8	7	7753	BB	04163	4	3 3/4	3 1/2	P	4724
*04321	. . .	. . .	. . .	. . .	2	4	7/8	7	7753	BB	04321	. . .	. . .	. . .	. . .	. . .
*49425	. . .	. . .	. . .	. . .	2	4	7/8	7	7753	BB	04321	4	3 3/4	4	P	4518
04322	. . .	. . .	. . .	. . .	2	5	7/8	7	7753	BB	04322	. . .	. . .	. . .	. . .	. . .
49430	. . .	. . .	. . .	. . .	2	5	7/8	7	7753	BB	04322	4	3 3/4	5	P	4566
*00536	. . .	. . .	. . .	. . .	2 1/16	1 3/4	9/16	14	7723	BT	00536	. . .	. . .	. . .	. . .	. . .
*99066	. . .	. . .	. . .	. . .	2 1/8	1	1/4	18	34E8	BB	99066	. . .	. . .	. . .	. . .	. . .
*99047	. . .	. . .	. . .	. . .	2 1/8	1 1/4	1/4	18	34E8	BB	99047	. . .	. . .	. . .	. . .	. . .
99089	. . .	. . .	. . .	. . .	2 1/8	1 1/2	1/4	18	34E8	BB	99089	. . .	. . .	. . .	. . .	. . .
*99082	. . .	. . .	. . .	. . .	2 1/8	1 3/8	5/16	18	34E10	BB	99082	. . .	. . .	. . .	. . .	. . .
01059	. . .	. . .	. . .	. . .	2 1/8	4	5/8	10	1494	BB	01059	. . .	. . .	. . .	. . .	. . .
18450	. . .	. . .	. . .	. . .	2 1/8	4	5/8	10	1494	BB	01059	3 5/8	3 3/8	4	P	4540
RA209	. . .	. . .	. . .	. . .	2 3/16	1 1/8	3/8	20	7201	BT	RA209	. . .	. . .	. . .	. . .	. . .
RA99209	. . .	. . .	. . .	. . .	2 3/16	1 1/8	3/8	14	35E12	BB	RA99209	. . .	. . .	. . .	. . .	. . .
209	2 3/16	1.7717	1 1/8	IR209	2 3/16	1 1/8	3/8	20	7201	BT	RA209	3.3465	2 15/16	1 1/8	S	OR209
99209	2 3/16	1.7717	1 1/8	IR209	2 3/16	1 1/8	3/8	14	35E12	BB	RA99209	3.3465	2 15/16	1 1/8	S	OR209
WRA209	. . .	. . .	. . .	. . .	2 3/16	1 9/16	3/8	20	7201	BT	WRA209	. . .	. . .	. . .	. . .	. . .
TZW209	2 3/16	1.6910	1 13/16	30057	2 3/16	1 9/16	3/8	20	7201	BT	WRA209	3.3465	2 15/16	1 9/16	S	WOR209
WRA99209	. . .	. . .	. . .	. . .	2 3/16	1 9/16	3/8	14	35E12	BB	WRA99209	. . .	. . .	. . .	. . .	. . .
W209	2 3/16	1.7717	1 9/16	WIR209	2 3/16	1 9/16	3/8	20	7201	BT	WRA209	3.3465	2 15/16	1 9/16	S	WOR209
W99209	2 3/16	1.7717	1 9/16	WIR209	2 3/16	1 9/16	3/8	14	35E12	BB	WRA99209	3.3465	2 15/16	1 9/16	S	WOR209
SWA99209	2 3/16	1.7717	1 9/16	SWIRA209	2 3/16	1 9/16	3/8	14	35E12	BB	WRA99209	3.3465	2 15/16	1 9/16	S	WOR209
TXW209	2 3/16	1 11/16	1 13/16	30418	2 3/16	1 9/16	3/8	20	7201	BT	WRA209	3.3465	2 15/16	1 9/16	S	WOR209
TXW99209	2 3/16	1 11/16	1 13/16	30418	2 3/16	1 9/16	3/8	14	35E12	BB	WRA99209	3.3465	2 15/16	1 9/16	S	WOR209
*99073	. . .	. . .	. . .	. . .	2 3/16	3 1/2	3/8	14	35E12	BB	99073	. . .	. . .	. . .	. . .	. . .
04327	. . .	. . .	. . .	. . .	2 3/16	3	7/8	8	7764	BB	04327	. . .	. . .	. . .	. . .	. . .
49470	. . .	. . .	. . .	. . .	2 3/16	3	7/8	8	7764	BB	04327	4 3/16	3 15/16	3	P	4477
46905	. . .	. . .	. . .	. . .	2 3/16	5	7/8	8	7764	BB	46905	. . .	. . .	. . .	. . .	. . .
49480	. . .	. . .	. . .	. . .	2 3/16	5	7/8	8	7764	BB	46905	4 3/16	3 15/16	5	P	4568
99057	. . .	. . .	. . .	. . .	2 1/4	1	1/4	17	36EA8	BB	99057	. . .	. . .	. . .	. . .	. . .
99069	. . .	. . .	. . .	. . .	2 1/4	.844	5/16	20	36E10	BB	99069	. . .	. . .	. . .	. . .	. . .
NRA309	. . .	. . .	. . .	. . .	2 1/4	1 5/16	5/8	14	7777	BT	NRA309	. . .	. . .	. . .	. . .	. . .
NC309	. . .	. . .	. . .	. . .	2 1/4	1 5/16	5/8	14	7777	BT	NRA309	3.9370	3 1/2	1 5/16	S	OR211
RA309	. . .	. . .	. . .	. . .	2 1/4	1 9/16	5/8	14	7777	BT	RA309	. . .	. . .	. . .	. . .	. . .
309	2 1/4	1.7717	1 9/16	IR309	2 1/4	1 9/16	5/8	14	7777	BT	RA309	3.9370	3 1/2	1 9/16	S	OR309
T309	2 1/4	1 7/8	2 3/4	30381	2 1/4	1 9/16	5/8	14	7777	BT	RA309	3.9370	3 1/2	1 9/16	S	OR309
TX309	2 1/4	1 3/4	2 3/4	30397	2 1/4	1 9/16	5/8	14	7777	BT	RA309	3.9370	3 1/2	1 9/16	S	OR309
*01226	. . .	. . .	. . .	. . .	2 1/4	4	5/8	11	2490	BB	01226	. . .	. . .	. . .	. . .	. . .
*18500	. . .	. . .	. . .	. . .	2 1/4	4	5/8	11	2490	BB	01226	3 3/4	3 1/2	4	P	4521

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

Suffix symbol "X" denotes un-heat treated rollers.

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
04334	. . .	. . .	. . .	. . . . .	2 1/4	3	7/8	8	7768	BB	04334	. . .	. . .	. . .	. . .	. . . . .
49495	. . .	. . .	. . .	. . . . .	2 1/4	3	7/8	8	7768	BB	04334	4 1/4	4	3	P	4719
*04048	. . .	. . .	. . .	. . . . .	2 1/4	4	7/8	8	7768	BB	04048	. . .	. . .	. . .	. . .	. . . . .
*49500	. . .	. . .	. . .	. . . . .	2 1/4	4	7/8	8	7768	BB	04048	4 1/4	4	4	P	4522
*04083	. . .	. . .	. . .	. . . . .	2 1/4	5	7/8	8	7768	BB	04083	. . .	. . .	. . .	. . .	. . . . .
*49505	. . .	. . .	. . .	. . . . .	2 1/4	5	7/8	8	7768	BB	04083	4 1/4	4	5	P	4570
*04031	. . .	. . .	. . .	. . . . .	2 1/4	6	7/8	8	7768	BB	04031	. . .	. . .	. . .	. . .	. . . . .
*49510	. . .	. . .	. . .	. . . . .	2 1/4	6	7/8	8	7768	BB	04031	4 1/4	4	6	P	4613
RA409	. . .	. . .	. . .	. . . . .	2 1/4	1 15/16	15/16	10	7881H	BT	RA409	. . .	. . .	. . .	. . .	. . . . .
99094	. . .	. . .	. . .	. . . . .	2 3/8	1 49/64	1/4	24	38E8	BB	99094	. . .	. . .	. . .	. . .	. . . . .
CS99210	. . .	. . .	. . .	. . . . .	2 3/8	5/8	3/8	15	38E12	BB	SRA99210	3.5480	3 1/8	5/8	S	SO210
SRA99210	. . .	. . .	. . .	. . . . .	2 3/8	5/8	3/8	15	38E12	BB	SRA99210	. . .	. . .	. . .	. . .	. . . . .
RA210	. . .	. . .	. . .	. . . . .	2 3/8	1 1/4	3/8	22	7147	BT	RA210	. . .	. . .	. . .	. . .	. . . . .
RA99210	. . .	. . .	. . .	. . . . .	2 3/8	1 1/4	3/8	15	38E12	BB	RA99210	. . .	. . .	. . .	. . .	. . . . .
47524	2 3/8	1 15/16	3 13/16	30049	See Individual RA Size						RA210-WRA210	3.5433	3 1/8	3 13/16	S	31040
210	2 3/8	1.9685	1 1/4	IR210	2 3/8	1 1/4	3/8	22	7147	BT	RA210	3.5433	3 1/8	1 1/4	S	OR210
99210	2 3/8	1.9685	1 1/4	IR210	2 3/8	1 1/4	3/8	15	38E12	BB	RA99210	3.5433	3 1/8	1 1/4	S	OR210
WRA210	. . .	. . .	. . .	. . . . .	2 3/8	1 3/4	3/8	22	7147	BT	WRA210	. . .	. . .	. . .	. . .	. . . . .
WRA99210	. . .	. . .	. . .	. . . . .	2 3/8	1 3/4	3/8	15	38E12	BB	WRA99210	. . .	. . .	. . .	. . .	. . . . .
W210	2 3/8	1.9685	1 3/4	WIR210	2 3/8	1 3/4	3/8	22	7147	BT	WRA210	3.5433	3 1/8	1 3/4	S	WOR210
W99210	2 3/8	1.9685	1 3/4	WIR210	2 3/8	1 3/4	3/8	15	38E12	BB	WRA99210	3.5433	3 1/8	1 3/4	S	WOR210
AW99210	2 3/8	1.8754	3	AWIR210	2 3/8	1 3/4	3/8	15	38E12	BB	WRA99210	3.5433	3 1/8	1 3/4	S	WOR210
TZW210	2 3/8	1.9410	2	30058	2 3/8	1 3/4	3/8	22	7147	BT	WRA210	3.5433	3 1/8	1 3/4	S	WOR210
TXW210	2 3/8	1 15/16	2	30412	2 3/8	1 3/4	3/8	22	7147	BT	WRA210	3.5433	3 1/8	1 3/4	S	WOR210
TXW99210	2 3/8	1 15/16	2	30412	2 3/8	1 3/4	3/8	15	38E12	BB	WRA99210	3.5433	3 1/8	1 3/4	S	WOR210
D210	2 3/8	1.9685	3 1/2	DIR210	2 3/8	3 1/2	3/8	22	7147	BT	WRA210•	3.5433	3 1/8	3 1/2	S	DOR210
D99210	2 3/8	1.9685	3 1/2	DIR210	2 3/8	3 1/2	3/8	22	38E12	BB	WRA99210•	3.5433	3 1/8	3 1/2	S	DOR210
*99053	. . .	. . .	. . .	. . . . .	2 7/16	1 7/32	5/16	20	39E10	BB	99053	. . .	. . .	. . .	. . .	. . . . .
*04029	. . .	. . .	. . .	. . . . .	2 7/16	5	15/16	8	7780	BB	04029	. . .	. . .	. . .	. . .	. . . . .
49555	. . .	. . .	. . .	. . . . .	2 7/16	5	15/16	8	7780	BB	04029	4 9/16	4 5/16	5	P	4572
99070	. . .	. . .	. . .	. . . . .	2 1/2	1	5/16	20	40E10	BB	99070	. . .	. . .	. . .	. . .	. . . . .
99093	. . .	. . .	. . .	. . . . .	2 1/2	1 5/64	5/16	20	40E10	BB	99093	. . .	. . .	. . .	. . .	. . . . .
NRA310	. . .	. . .	. . .	. . . . .	2 1/2	1 7/16	11/16	14	7782	BT	NRA310	. . .	. . .	. . .	. . .	. . . . .
NC310	. . .	. . .	. . .	. . . . .	2 1/2	1 7/16	11/16	14	7782	BT	NRA310	4.3307	3 7/8	1 7/16	S	OR212
RA310	. . .	. . .	. . .	. . . . .	2 1/2	1 3/4	11/16	14	7782	BT	RA310	. . .	. . .	. . .	. . .	. . . . .
310	2 1/2	1.9685	1 3/4	IR310	2 1/2	1 3/4	11/16	14	7782	BT	RA310	4.3307	3 7/8	1 3/4	S	OR310
TX310	2 1/2	1 15/16	3	30404	2 1/2	1 3/4	11/16	14	7782	BT	RA310	4.3307	3 7/8	1 3/4	S	OR310
T310	2 1/2	2	3	30386	2 1/2	1 3/4	11/16	14	7782	BT	RA310	4.3307	3 7/8	1 3/4	S	OR310
*01241	. . .	. . .	. . .	. . . . .	2 1/2	4	11/16	10	7658	BB	01241	. . .	. . .	. . .	. . .	. . . . .
*18575	. . .	. . .	. . .	. . . . .	2 1/2	4	11/16	10	7658	BB	01241	4 1/8	3 7/8	4	P	4525
46904	. . .	. . .	. . .	. . . . .	2 1/2	3	15/16	8	7785	BB	46904	. . .	. . .	. . .	. . .	. . . . .
49573	. . .	. . .	. . .	. . . . .	2 1/2	3	15/16	8	7785	BB	46904	4 5/8	4 3/8	3	P	4716
04010	. . .	. . .	. . .	. . . . .	2 1/2	4	15/16	8	7785	BB	04010	. . .	. . .	. . .	. . .	. . . . .
40007	. . .	. . .	. . .	. . . . .	2 1/2	4	15/16	8	7785	BB	04010	4 5/8	4 3/8	4	P	4807
00511	. . .	. . .	. . .	. . . . .	2 1/2	5	15/16	11	7714H	BT	00511	. . .	. . .	. . .	. . .	. . . . .
46146	. . .	. . .	. . .	. . . . .	2 1/2	5	15/16	11	7714H	BT	00511	4 5/8	4 3/8	5	P	4574
00545	. . .	. . .	. . .	. . . . .	2 1/2	6	15/16	11	7714	BT	00545	. . .	. . .	. . .	. . .	. . . . .
40013	. . .	. . .	. . .	. . . . .	2 1/2	6	15/16	11	7714	BT	00545	4 5/8	4 3/8	6	P	4617
04030	. . .	. . .	. . .	. . . . .	2 1/2	7	15/16	8	7785	BB	04030	. . .	. . .	. . .	. . .	. . . . .
49590	. . .	. . .	. . .	. . . . .	2 1/2	7	15/16	8	7785	BB	04030	4 5/8	4 3/8	7	P	4653
99090	. . .	. . .	. . .	. . . . .	2 5/8	1 1/2	1/4	20	42E8	BB	99090	. . .	. . .	. . .	. . .	. . . . .
NRA99211	. . .	. . .	. . .	. . . . .	2 5/8	1	7/16	14	42E14	BB	NRA99211	. . .	. . .	. . .	. . .	. . . . .
RA211	. . .	. . .	. . .	. . . . .	2 5/8	1 5/16	7/16	21	7720	BT	RA211	. . .	. . .	. . .	. . .	. . . . .
RA99211	. . .	. . .	. . .	. . . . .	2 5/8	1 5/16	7/16	14	14E14	BB	RA99211	. . .	. . .	. . .	. . .	. . . . .
211	2 5/8	2.1654	1 5/16	IR211	2 5/8	1 5/16	7/16	21	7720	BT	RA211	3.9370	3 1/2	1 5/16	S	OR211
99211	2 5/8	2.1654	1 5/16	IR211	2 5/8	1 5/16	7/16	14	42E14	BB	RA99211	3.9370	3 1/2	1 5/16	S	OR211
WRA211	. . .	. . .	. . .	. . . . .	2 5/8	1 13/16	7/16	21	7720	BT	WRA211	. . .	. . .	. . .	. . .	. . . . .
WRA99211	. . .	. . .	. . .	. . . . .	2 5/8	1 13/16	7/16	14	42E14	BB	WRA99211	. . .	. . .	. . .	. . .	. . . . .
W211	2 5/8	2.1654	1 13/16	WIR211	2 5/8	1 13/16	7/16	21	7720	BT	WRA211	3.9370	3 1/2	1 13/16	S	WOR211
W99211	2 5/8	2,1654	1 13/16	WIR211	2 5/8	1 13/16	7/16	14	42E14	BB	WRA99211	3.9370	3 1/2	1 13/16	S	WOR211
TXW211	2 5/8	1 3/16	2 1/8	30417	2 5/8	1 13/16	7/16	21	7720	BT	WRA211	3.9370	3 1/2	1 13/16	S	WOR211
TXW99211	2 5/8	1 3/16	2 1/8	30417	2 5/8	1 13/16	7/16	14	42E14	BB	WRA99211	3.9370	3 1/2	1 13/16	S	WOR211
D211	2 5/8	2.1654	3 5/8	DIR211	2 5/8	3 5/8	7/16	21	7720	BT	WRA211•	3.9370	3 1/2	3 5/8	S	DOR211
D99211	2 5/8	2.1654	3 5/8	DIR211	2 5/8	3 5/8	7/16	14	43E14	BB	WRA99211•	3.9370	3 1/2	3 5/8	S	DOR211

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•Denotes two roller assemblies.

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY						OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
99075					2 11/16	1 1/4	5/16	22	43E10	BB	99075					
ED99075	2 11/16	2.6470	2 1/2	30070	2 11/16	1 1/4	5/16	22	43E10	BB	99075•					
EDS99075	2 11/16	2.3621	3	30089	2 11/16	1 1/4	5/16	22	43E10	BB	99075•					
RA311					2 3/4	1 15/16	11/16	15	7884	BT	RA311					
RA99311					2 3/4	1 15/16	11/16	11	44E22	BB	RA99311					
311	2 3/4	2.1654	1 15/16	IR311	2 3/4	1 15/16	11/16	15	7884	BT	RA311	4.7244	4 1/8	1 15/16	S	OR311
99311	2 3/4	2.1654	1 15/16	IR211	2 3/4	1 15/16	11/16	11	44E22	BB	RA99311	4.7244	4 1/8	1 15/16	S	OR311
T311	2 3/4	2 1/4	3	30391	2 3/4	1 15/16	11/16	15	7884	BT	RA311	4.7244	4 1/8	1 15/16	S	OR311
T99311	2 3/4	2 1/4	3	30391	2 3/4	1 15/16	11/16	11	44E22	BB	RA99311	4.7244	4 1/8	1 15/16	S	OR311
47575					2 3/4	1 1/2	15/16	9	7800	BB	47575					
04099					2 3/4	3	15/16	9	7800	BB	04099					
47184	2 3/4	2 1/4	3 3/8	32074	2 3/4	3	15/16	9	7800	BB	04099	5	4 5/8	3	S	33026
*04350					2 3/4	4	15/16	9	7800	BB	04350					
*49650					2 3/4	4	15/16	9	7800	BB	04350	4 7/8	4 5/8	4	P	4530
*04351					2 3/4	5	15/16	9	7800	BB	04351					
*49655					2 3/4	5	15/16	9	7800	BB	04351	4 7/8	4 5/8	5	P	4578
00547					2 3/4	6	15/16	12	7730	BT	00547					
49661					2 3/4	6	15/16	12	7730	BT	00547	4 7/8	4 5/8	6	P	4621
SRA99212					2 7/8	1 5/16	1/2	14	46E16	BB	SRA99212					
RA212					2 7/8	1 7/16	1/2	20	7677	BT	RA212					
RA99212					2 7/8	1 7/16	1/2	14	46E16	BB	RA99212					
212	2 7/8	2.3622	1 7/16	IR212	2 7/8	1 7/16	1/2	20	7677	BT	RA212	4.3307	3 7/8	1 7/16	S	OR212
99212	2 7/8	2.3622	1 7/16	IR212	2 7/8	1 7/16	1/2	14	46E16	BB	RA99212	4.3307	3 7/8	1 7/16	S	OR212
WRA212					2 7/8	1 15/16	1/2	20	7677	BT	WRA212					
WRA99212					2 7/8	1 15/16	1/2	14	46E16	BB	WRA99212					
W212	2 7/8	2.3622	1 15/16	WIR212	2 7/8	1 15/16	1/2	20	7677	BT	WRA212	4.3307	3 7/8	1 15/16	S	WOR212
W99212	2 7/8	2.3622	1 15/16	WIR212	2 7/8	1 15/16	1/2	14	46E16	BB	WRA99212	4.3307	3 7/8	1 15/16	S	WOR212
AW99212	2 7/8	2.3622	1 15/16	AWIR212	2 7/8	1 15/16	1/2	14	46E16	BB	WRA99212	4.3307	3 7/8	1 15/16	S	WOR212
TW212	2 7/8	2 1/4	3 1/2	30415	2 7/8	1 15/16	1/2	20	7677	BT	WRA212	4.3307	3 7/8	1 15/16	S	WOR212
TW99212	2 7/8	2 1/4	3 1/2	30415	2 7/8	1 15/16	1/2	14	46E16	BB	WRA99212	4.3307	3 7/8	1 15/16	S	WOR212
TYW212	2 7/8	2 5/16	2 1/4	30087	2 7/8	1 15/16	1/2	20	7677	BT	WRA212	4.3307	3 7/8	1 15/16	S	WOR212
TXW212	2 7/8	2 5/16	2 1/4	30419	2 7/8	1 15/16	1/2	20	7677	BT	WRA212	4.3307	3 7/8	1 15/16	S	WOR212
TXW99212	2 7/8	2 5/16	2 1/4	30419	2 7/8	1 15/16	1/2	14	46E16	BB	WRA99212	4.3307	3 7/8	1 15/16	S	WOR212
D212	2 7/8	2.3622	3 7/8	DIR212	2 7/8	3 7/8	1/2	20	7677	BT	WRA212•	4.3307	3 7/8	3 7/8	S	DOR212
D99212	2 7/8	2.3622	3 7/8	DIR212	2 7/8	3 7/8	1/2	14	46E16	BB	WRA99212•	4.3307	3 7/8	3 7/8	S	DOR212
*04356					2 15/16	4	1	9	7804	BB	04356					
*49700					2 15/16	4	1	9	7804	BB	04356	5 3/16	4 15/16	4	P	4532
99084					3	1 1/8	5/16	26	48E10	BB	99084					
99043					3	1 7/8	3/8	22	48E12	BB	99043					
RA312					3	2 1/16	3/4	15	7809	BT	RA312					
312	3	2.3622	2 1/16	IR312	3	2 1/16	3/4	15	7809	BT	RA312	5.1181	4 1/2	2 1/16	S	OR312
T312	2	2 1/2	3 1/2	30392	3	2 1/16	3/4	15	7809	BT	RA312	5.1181	4 1/2	2 1/16	S	OR312
MRA312					3	2 1/8	3/4	15	7809	BT	MRA312					
M312	3	2.3622	2 1/8	MIR312	3	2 1/8	3/4	15	7809	BT	MRA312	5.1181	4 1/2	2 1/8	S	MOR312
TM312	2	2 1/2	3 1/2	30392	3	2 1/8	3/4	15	7809	BT	MRA312	5.1181	4 1/2	2 1/8	S	MOR312
*04136					3	1 39/64	1	9	7808	BB	04136					
04003					3	4	1	9	7808	BB	04003					
49725					3	4	1	9	7808	BB	04003	5 1/4	5	4	P	4534
04362					3	5	1	9	7808	BB	04362					
49730					3	5	1	9	7808	BB	04362	5 1/4	5	5	P	4582
*04383					3	5 1/2	1	9	7808	BB	04383					
*49732					3	5 1/2	1	9	7808	BB	04383	5 1/4	5	5 1/2	P	4311
00544					3	6	1	12	7857H	BT	00544					
49737					3	6	1	12	7857H	BT	00544	5 1/4	5	6	P	4625
00546					3	7	1	12	7857H	BT	00546					
40014					3	7	1	12	7857H	BT	00546	5 1/4	5	7	P	4661
99074					3 1/16	1 1/4	3/8	18	49EH12	BB	99074					
ED99074	3 1/16	2.6470	2 1/2	30070	3 1/16	2 1/2	3/8	18	(2)49EH12	BB	99074					
EDS99074	3 1/16	2.6470	2 3/4	30088	3 1/16	2 1/2	3/8	18	(2)49EH12	BB	99074					
RA213					3 1/8	1 1/2	1/2	22	7691	BT	RA213					
213	3 1/8	2.5591	1 1/2	IR213	3 1/8	1 1/2	1/2	22	7691	BT	RA213	4.7244	4 1/8	1 1/2	S	OR213
TY213	3 1/8	2 11/16	2 3/8	30421	3 1/8	1 1/2	1/2	22	7691	BT	RA213	4.7244	4 1/8	1 1/2	S	OR213
C213/WIR213	3 1/8	2.5591	2 1/16	WIR213	3 1/8	1 1/2	1/2	22	7691	BT	RA213	4.7244	4 1/8	1 1/2	S	OR213
WRA213					3 1/8	2 1/16	1/2	22	7691	BT	WRA213					

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IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS – Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
W213	3 1/8	2.5591	2 1/16	WIR213	3 1/8	2 1/16	1/2	22	7691	BT	WRA213	4.7244	4 1/8	2 1/16	S	WOR213
WRA99213					3 1/8	2 1/16	1/2	15	50E16	BB	WRA99213					
W99213	3 1/8	2.5591	2 1/16	WIR213	3 1/8	2 1/16	1/2	15	50E16	BB	WRA99213	4.7244	4 1/8	2 1/16	S	WOR213
*CN99213					3 1/8	2 1/16	1/2	15	50E16	BB	WRA99213	4.7244	4 1/8	2 1/16	S	WOR213
TW99213	3 1/8	2 1/2	3 1/2	30416	3 1/8	2 1/16	1/2	15	50E16	BB	WRA99213	4.7244	4 1/8	2 1/16	S	WOR213
TXW99213	3 1/8	2 7/16	2 3/8	30408	3 1/8	2 1/16	1/2	15	50E16	BB	WRA99213	4.7244	4 1/8	2 1/16	S	WOR213
TYW99213	3 1/8	2 11/16	2 3/8	30421	3 1/8	2 1/16	1/2	15	50E16	BB	WRA99213	4.7244	4 1/8	2 1/16	S	WOR213
TW213	3 1/8	2 1/2	3 1/2	30416	3 1/8	2 1/16	1/2	22	7691	BT	WRA213	4.7244	4 1/8	2 1/16	S	WOR213
TXW213	3 1/8	2 7/16	2 3/8	30408	3 1/8	2 1/16	1/2	22	7691	BT	WRA213	4.7244	4 1/8	2 1/16	S	WOR213
TYW213	3 1/8	2 11/16	2 3/8	30421	3 1/8	2 1/16	1/2	22	7691	BT	WRA213	4.7244	4 1/8	2 1/16	S	WOR213
D213	3 1/8	2.5591	4 1/8	DIR213	3 1/8	4 1/8	1/2	22	7691	BT	WRA213 •	4.7244	4 1/8	4 1/8	S	DOR213
D99213	3 1/8	2.5591	4 1/8	DIR213	3 1/8	4 1/8	1/2	15	50E16	BB	WRA99213 •	4.7244	4 1/8	4 1/8	S	DOR213
CD99213					3 1/8	4 1/8	1/2	15	50E16	BB	WRA99213 •	4.7244	4 1/8	4 1/8	S	DOR213
*99064					3 1/4	15/16	3/8	22	52EH12	BB	99064					
*99062					3 1/4	1 5/16	3/8	22	52EH12	BB	99062					
RA313					3 1/4	2 3/16	13/16	15	7888	BT	RA313					
313	3 1/4	2.5591	2 3/16	IR313	3 1/4	2 3/16	13/16	15	7888	BT	RA313	5.5118	4 3/8	2 3/16	S	OR313
*T313	3 1/4	2 3/4	3 1/2	30393	3 1/4	2 3/16	13/16	15	7888	BT	RA313	5.5118	4 3/8	2 3/16	S	OR313
MRA313					3 1/4	2 5/16	13/16	15	7888	BT	MRA313					
M313	3 1/4	2.5591	2 5/16	MIR313	3 1/4	2 5/16	13/16	15	7888	BT	MRA313	5.5118	4 3/8	2 5/16	S	MOR313
TM313	3 1/4	2 3/4	3 1/2	30393	3 1/4	2 5/16	13/16	15	7888	BT	MRA313	5.5118	4 3/8	2 5/16	S	MOR313
00513					3 1/4	3 1/2	1	13	7810	BT	00513					
*47216					3 1/4	3 1/2	1	13	7810	BT	00513	5 5/8	5 1/4	3 1/2	P	4232
46430					3 1/4	3 1/2	1	13	7810	BT	00513	5 5/8	5 1/4	3 1/2	S	33030
*46759	3 1/4	2 3/4	3 3/8	32078	3 1/4	3 1/2	1	13	7810	BT	00513	5 5/8	5 1/4	3 1/2	S	33030
RA214					3 5/16	1 5/8	1/2	23	7180	BT	RA214					
RA99214					3 5/16	1 5/8	1/2	15	56E16	BB	RA99214					
214	3 5/16	2.7559	1 5/8	IR214	3 5/16	1 5/8	1/2	23	7180	BT	RA214	4.9213	4 5/16	1 5/8	S	OR214
99214	3 5/16	2.7559	1 5/8	IR214	3 5/16	1 5/8	1/2	15	56E16	BB	RA99214	4.9213	4 5/16	1 5/8	S	OR214
WRA214					3 5/16	2 3/8	1/2	23	7180	BT	WRA214					
WRA99214					3 5/16	2 3/8	1/2	15	53E16	BB	WRA99214					
W214	3 5/16	2.7559	2 3/8	WIR214	3 5/16	2 3/8	1/2	23	7180	BT	WRA214	4.9213	4 5/16	2 3/8	S	WOR214
W99214	3 5/16	2.7559	2 3/8	WIR214	3 5/16	2 3/8	1/2	15	53E16	BB	WRA99214	4.9213	4 5/16	2 3/8	S	WOR214
ESW99214	3 5/16	2.7559	2 3/8	SWIR214	3 5/16	2 3/8	1/2	15	53E16	BB	WRA99214					
D214	3 5/16	2.7559	4 3/4	DIR214	3 5/16	4 3/4	1/2	23	7180	BT	WRA214 •	4.9213	4 5/16	4 3/4	S	DOR214
D99214	3 5/16	2.7559	4 3/4	DIR214	3 5/16	4 3/4	1/2	15	53E16	BB	WRA99214 •	4.9213	4 5/16	4 3/4	S	DOR214
*99085					3 3/8	1 1/16	5/16	28	54E10	BB	99085					
*99055					3 3/8	1 1/8	5/16	28	54E10	BB	99055					
RA215					3 1/2	1 3/4	1/2	24	7685	BT	RA215					
RA99215					3 1/2	1 3/4	1/2	15	56E16	BB	RA99215					
215	3 1/2	2.9528	1 3/4	IR215	3 1/2	1 3/4	1/2	24	7685	BT	RA215	5.1181	4 1/2	1 3/4	S	OR215
99215	3 1/2	2.9528	1 3/4	IR215	3 1/2	1 3/4	1/2	15	56E16	BB	RA99215	5.1181	4 1/2	1 3/4	S	OR215
WRA215					3 1/2	2 5/8	1/2	24	7685	BT	WRA215					
WRA99215					3 1/2	2 5/8	1/2	15	56E16	BB	WRA99215					
W215	3 1/2	2.9528	2 5/8	WIR215	3 1/2	2 5/8	1/2	24	7685	BT	WRA215	5.1181	4 1/2	2 5/8	S	WOR215
W99215	3 1/2	2.9528	2 5/8	WIR215	3 1/2	2 5/8	1/2	15	56E16	BB	WRA99215	5.1181	4 1/2	2 5/8	S	WOR215
MW215	3 1/2	2.9993	2 5/8	MWIR215	3 1/2	2 5/8	1/2	24	7685	BT	WRA215	5.1181	4 1/2	2 5/8	S	WOR215
TXW215	3 1/2	2 15/16	2 15/16	30406	3 1/2	2 5/8	1/2	24	7685	BT	WRA215	5.1181	4 1/2	2 5/8	S	WOR215
TXW99215	3 1/2	2 15/16	2 15/16	30406	3 1/2	2 5/8	1/2	15	56E16	BB	WRA99215	5.1181	4 1/2	2 5/8	S	WOR215
TW215	3 1/2	3	3 3/8	30394	3 1/2	2 5/8	1/2	24	7685	BT	WRA215	5.1181	4 1/2	2 5/8	S	WOR215
TW99215	3 1/2	3	3 3/8	30394	3 1/2	2 5/8	1/2	15	56E16	BB	WRA99215	5.1181	4 1/2	2 5/8	S	WOR215
D215	3 1/2	2.9528	5 1/4	DIR215	3 1/2	5 1/4	1/2	24	7685	BT	WRA215 •	5.1181	4 1/2	5 1/4	S	DOR215
D99215	3 1/2	2.9528	5 1/4	DIR215	3 1/2	5 1/4	1/2	15	56E16	BB	WRA99215 •	5.1181	4 1/2	5 1/4	S	DOR215
RA314					3 1/2	2 5/16	7/8	15	7889H	BT	RA314					
RA99314					3 1/2	2 5/16	7/8	11	56EH28	BB	RA99314					
314	3 1/2	2.7559	2 5/16	IR314	3 1/2	2 5/16	7/8	15	7889H	BT	RA314	5.9055	5 1/4	2 5/16	S	OR314
99314	3 1/2	2.7559	2 5/16	IR314	3 1/2	2 5/16	7/8	11	56EH28	BB	RA99314	5.9055	5 1/4	2 5/16	S	OR314
*T314	3 1/2	3	3 3/8	30394	3 1/2	2 5/16	7/8	15	7889H	BT	RA314	5.9055	5 1/4	2 5/16	S	OR314
MRA314					3 1/2	2 1/2	7/8	15	7889H	BT	MRA314					
MRA99314					3 1/2	2 1/2	7/8	11	56EH28	BB	MRA99314					
M314	3 1/2	2.7559	2 1/2	MIR314	3 1/2	2 1/2	7/8	15	7889H	BT	MRA314	5.9055	5 1/4	2 1/2	S	MOR314
M99314	3 1/2	2.7559	2 1/2	MIR314	3 1/2	2 1/2	7/8	11	56EH28	BB	MRA99314	5.9055	5 1/4	2 1/2	S	MOR314
TM314	3 1/2	3	3 3/8	30394	3 1/2	2 1/2	7/8	15	7889H	BT	MRA314	5.9055	5 1/4	2 1/2	S	MOR314
TM99314	3 1/2	3	3 3/8	30394	3 1/2	2 1/2	7/8	11	56EH28	BB	MRA99314	5.9055	5 1/4	2 1/2	S	MOR314
00386					3 1/2	4	1 1/8	12	7878H	BT	00386					
40010					3 1/2	4	1 1/8	12	7878H	BT	00386	6 1/8	5 3/4	4	P	4272

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IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY						OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
*40510	3½	3	4⅜	30213	3½	4	1⅛	12	7878H	BT	00386	6⅛	5¾	4	P	4272
41010	. . .	. . .	. . .	. . .	3½	4	1⅛	12	7878H	BT	00386	6⅜	5¾	4	S	35022
*41510	3½	3	4⅜	30213	3½	4	1⅛	12	7878H	BT	00386	6⅜	5¾	4	S	35022
00387	. . .	. . .	. . .	. . .	3½	5	1⅛	12	7878H	BT	00387	. . .	. . .	. . .	. . .	. . .
40015	. . .	. . .	. . .	. . .	3½	5	1⅛	12	7878H	BT	00387	6⅛	5¾	5	P	4300
40515	3½	3	5⅜	30243	3½	5	1⅛	12	7878H	BT	00387	6⅛	5¾	5	P	4300
00389	. . .	. . .	. . .	. . .	3½	7	1⅛	12	7878H	BT	00389	. . .	. . .	. . .	. . .	. . .
40025	. . .	. . .	. . .	. . .	3½	7	1⅛	12	7878H	BT	00389	6⅛	5¾	7	P	4349
99054	. . .	. . .	. . .	. . .	3 9/16	1 7/32	5/16	28	57E10	BB	99054	. . .	. . .	. . .	. . .	. . .
ED99054	3 9/16	3⅛	2½	30074	3 9/16	2½	5/16	28	57E10	BB	99054•	. . .	. . .	. . .	. . .	. . .
99079	. . .	. . .	. . .	. . .	3¾	13/16	5/16	30	60E10	BB	99079	. . .	. . .	. . .	. . .	. . .
RA216	. . .	. . .	. . .	. . .	3¾	1 13/16	9/16	23	7684	BT	RA216	. . .	. . .	. . .	. . .	. . .
RA99216	. . .	. . .	. . .	. . .	3¾	1 13/16	9/16	16	60E18	BB	RA99216	. . .	. . .	. . .	. . .	. . .
216	3¾	3.1496	1 13/16	IR216	3¾	1 13/16	9/16	23	7684	BT	RA216	5.5118	4⅞	1 13/16	S	OR216
99216	3¾	3.1496	1 13/16	IR216	3¾	1 13/16	9/16	16	60E18	BB	RA99216	5.5118	4⅞	1 13/16	S	OR216
T99216	3¾	3¼	3⅜	30398	3¾	1 13/16	9/16	16	60E18	BB	RA99216	5.5118	4⅞	1 13/16	S	OR216
T216	3¾	3¼	3⅜	30398	3¾	1 13/16	9/16	23	7684	BT	RA216	5.5118	4⅞	1 13/16	S	OR216
WRA216	. . .	. . .	. . .	. . .	3¾	2⅝	9/16	23	7684	BT	WRA216	. . .	. . .	. . .	. . .	. . .
WRA99216	. . .	. . .	. . .	. . .	3¾	2⅝	9/16	16	60E18	BB	WRA99216	. . .	. . .	. . .	. . .	. . .
W216	3¾	3.1496	2⅝	WIR216	3¾	2⅝	9/16	23	7684	BT	WRA216	5.5118	4⅞	2⅝	S	WOR216
W99216	3¾	3.1496	2⅝	WIR216	3¾	2⅝	9/16	16	60E18	BB	WRA99216	5.5118	4⅞	2⅝	S	WOR216
SW99216	3¾	3.1496	2⅝	SWIR216	3¾	2⅝	9/16	16	60E18	BB	WRA99216	5.5118	4⅞	2⅝	S	WOR216
D216	3¾	3.1496	5¼	DIR216	3¾	5¼	9/16	23	7684	BT	WRA216•	5.5118	4⅞	5¼	S	DOR216
D99216	3¾	3.1496	5¼	DIR216	3¾	5¼	9/16	16	60E18	BB	WRA99216•	5.5118	4⅞	5¼	S	DOR216
RA315	. . .	. . .	. . .	. . .	3¾	2 7/16	15/16	15	7896H	BT	RA315	. . .	. . .	. . .	. . .	. . .
315	3¾	2.9528	2 7/16	IR315	3¾	2 7/16	15/16	15	7896H	BT	RA315	6.2992	5⅝	2 7/16	S	OR315
*T315	3¾	3¼	3⅜	30398	3¾	2 7/16	15/16	15	7896H	BT	RA315	6.2992	5⅝	2 7/16	S	OR315
MRA315	. . .	. . .	. . .	. . .	3¾	2 11/16	15/16	15	7896H	BT	MRA315	. . .	. . .	. . .	. . .	. . .
M315	3¾	2.9528	2 11/16	MIR315	3¾	2 11/16	15/16	15	7896H	BT	MRA315	6.2992	5⅝	2 11/16	S	MOR315
TM315	3¾	3¼	3⅜	30398	3¾	2 11/16	15/16	15	7896H	BT	MRA315	6.2992	5⅝	2 11/16	S	MOR315
99063	. . .	. . .	. . .	. . .	3⅞	1 5/16	⅜	22	62EH12	BB	99063	. . .	. . .	. . .	. . .	. . .
ED99063	3⅞	3¼	2⅞	30072	3⅞	2⅞	⅜	22	62EH12	BB	99063•	. . .	. . .	. . .	. . .	. . .
99060	. . .	. . .	. . .	. . .	4	1 7/16	⅜	24	64EH12	BB	99060	. . .	. . .	. . .	. . .	. . .
ED99060	4	3½	2⅞	30073	4	2⅞	⅜	24	64EH12	BB	99060•	. . .	. . .	. . .	. . .	. . .
RA217	. . .	. . .	. . .	. . .	4	1 15/16	⅝	22	7693	BT	RA217	. . .	. . .	. . .	. . .	. . .
RA99217	. . .	. . .	. . .	. . .	4	1 15/16	⅝	15	64E20	BB	RA99217	. . .	. . .	. . .	. . .	. . .
217	4	3.3465	1 15/16	IR217	4	1 15/16	⅝	22	7693	BT	RA217	5.9055	5¼	1 15/16	S	OR217
99217	4	3.3465	1 15/16	IR217	4	1 15/16	⅝	15	64E20	BB	RA99217	5.9055	5¼	1 15/16	S	OR217
WRA217	. . .	. . .	. . .	. . .	4	2¾	⅝	22	7693	BT	WRA217	. . .	. . .	. . .	. . .	. . .
WRA99217	. . .	. . .	. . .	. . .	4	2¾	⅝	15	64E20	BB	WRA99217	. . .	. . .	. . .	. . .	. . .
W217	4	3.3465	2¾	WIR217	4	2¾	⅝	22	7693	BT	WRA217	5.9055	5¼	2¾	S	WOR217
W99217	4	3.3465	2¾	WIR217	4	2¾	⅝	15	64E20	BB	WRA99217	5.9055	5¼	2¾	S	WOR217
D217	4	3.3465	5½	DIR217	4	5½	⅝	22	7693	BT	WRA217•	5.9055	5¼	5½	S	DOR217
D99217	4	3.3465	5½	DIR217	4	5½	⅝	15	64E20	BB	WRA99217•	5.9055	5¼	5½	S	DOR217
RA316	. . .	. . .	. . .	. . .	4	2 9/16	1	15	7891H	BT	RA316	. . .	. . .	. . .	. . .	. . .
316	4	3.1496	2 9/16	IR316	4	2 9/16	1	15	7891H	BT	RA316	6.6929	6	2 9/16	S	OR316
*T316	4	3½	3⅜	30399	4	2 9/16	1	15	7891H	BT	RA316	6.6929	6	2 9/16	S	OR316
*TY316	4	3½	3⅜	30399Y	4	2 9/16	1	15	7891H	BT	RA316	6.6929	6	2 9/16	S	OR316
MRA316	. . .	. . .	. . .	. . .	4	2 11/16	1	15	7891H	BT	MRA316	. . .	. . .	. . .	. . .	. . .
M316	4	3.1496	2 11/16	MIR316H	4	2 11/16	1	15	7891H	BT	MRA316	6.6929	6	2 11/16	S	MOR316
TM316	4	3½	3⅜	30399	4	2 11/16	1	15	7891H	BT	MRA316	6.6929	6	2 11/16	S	MOR316
00398	. . .	. . .	. . .	. . .	4	4	1⅛	14	7876H	BT	00398	. . .	. . .	. . .	. . .	. . .
*40061	. . .	. . .	. . .	. . .	4	4	1⅛	14	7876H	BT	00398	6⅝	6¼	4	P	4273
*40561	4	3½	4	30215	4	4	1⅛	14	7876H	BT	00398	6⅝	6¼	4	P	4273
00376	. . .	. . .	. . .	. . .	4	5	1⅛	14	7876H	BT	00376	. . .	. . .	. . .	. . .	. . .
40066	. . .	. . .	. . .	. . .	4	5	1⅛	14	7876H	BT	00376	6⅝	6¼	5	P	4301
00400	. . .	. . .	. . .	. . .	4	6	1⅛	14	7876H	BT	00400	. . .	. . .	. . .	. . .	. . .
40071	. . .	. . .	. . .	. . .	4	6	1⅛	14	7876H	BT	00400	6⅝	6¼	6	P	4331
*40571	4	3½	6⅜	30248	4	6	1⅛	14	7876H	BT	00400	6⅝	6¼	6	P	4331
00401	. . .	. . .	. . .	. . .	4	7	1⅛	14	7876H	BT	00401	. . .	. . .	. . .	. . .	. . .
40075	. . .	. . .	. . .	. . .	4	7	1⅛	14	7876H	BT	00401	6⅝	6¼	7	P	4350
99080	. . .	. . .	. . .	. . .	4⅛	15/16	5/16	32	66E10	BB	99080	. . .	. . .	. . .	. . .	. . .
RA218	. . .	. . .	. . .	. . .	4¼	2 1/16	11/16	22	7893H	BT	RA218	. . .	. . .	. . .	. . .	. . .
218	4¼	3.5433	2 1/16	IR218	4¼	2 1/16	11/16	22	7893H	BT	RA218	6.2992	5⅝	2 1/16	S	OR218

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• Denotes two roller assemblies.

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY						OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
T218	4¼	3¾	4⅜	30400	4¼	2 1/16	11/16	22	7893H	BT	RA218	6.2992	5⅝	2 1/16	S	OR218
TX218	4¼	3¾	3⅛	30407	4¼	2 1/16	11/16	22	7893H	BT	RA218	6.2992	5⅝	2 1/16	S	OR218
WRA218	. . .	. . .	. . .	. . .	4¼	2 13/16	11/16	22	7893H	BT	WRA218	. . .	. . .	. . .	. . .	. . .
W218	4¼	3.5433	2 13/16	WIR218	4¼	2 13/16	11/16	22	7893H	BT	WRA218	6.2992	5⅝	2 13/16	S	WOR218
TW218	4¼	3¾	4⅜	30400	4¼	2 13/16	11/16	22	7893H	BT	WRA218	6.2992	5⅝	2 13/16	S	WOR218
TXW218	4¼	3 7/16	3⅛	30407	4¼	2 13/16	11/16	22	7893H	BT	WRA218	6.2992	5⅝	2 13/16	S	WOR218
D218	4¼	3.5433	5⅝	DIR218	4¼	5⅝	11/16	22	7893H	BT	WRA218 •	6.2992	5⅝	5⅝	S	DOR218
RA317	. . .	. . .	. . .	. . .	4¼	2¾	1	16	7882H	BT	RA317	. . .	. . .	. . .	. . .	. . .
317	4¼	3.3465	2¾	IR317	4¼	2¾	1	16	7882H	BT	RA317	7.0866	6¼	2¾	S	OR317
*T317	4¼	3¾	4⅜	30400	4¼	2¾	1	16	7882H	BT	RA317	7.0866	6¼	2¾	S	OR317
MRA317	. . .	. . .	. . .	. . .	4¼	2⅞	1	16	7882H	BT	MRA317	. . .	. . .	. . .	. . .	. . .
M317	4¼	3.3465	2⅞	MIR317	4¼	2⅞	1	16	7882H	BT	MRA317	7.0866	6¼	2⅞	S	MOR317
TM317	4¼	3¾	4⅜	30400	4¼	2⅞	1	16	7882H	BT	MRA317	7.0866	6¼	2⅞	S	MOR317
*99067	. . .	. . .	. . .	. . .	4½	1¼	⅜	25	72EH12	BB	99067	. . .	. . .	. . .	. . .	. . .
RA219	. . .	. . .	. . .	. . .	4½	2 3/16	¾	21	7895H	BT	RA219	. . .	. . .	. . .	. . .	. . .
219	4½	3.7042	2 3/16	IR219	4½	2 3/16	¾	21	7895H	BT	RA219	6.6929	6	2 3/16	S	OR219
WRA219	. . .	. . .	. . .	. . .	4½	3	¾	21	7895H	BT	WRA219	. . .	. . .	. . .	. . .	. . .
W219	4½	3.7402	3	WIR219	4½	3	¾	21	7895H	BT	WRA219	6.6929	6	3	S	WOR219
D219	4½	3.7402	6	DIR219	4½	6	¾	21	7895H	BT	WRA219 •	6.6929	6	6	S	DOR219
RA318	. . .	. . .	. . .	. . .	4½	3	1 1/16	16	7894H	BT	RA318	. . .	. . .	. . .	. . .	. . .
318	4½	3.5433	3	IR318	4½	3	1 1/16	16	7894H	BT	RA318	7.4803	6⅝	3	S	OR318
00417	. . .	. . .	. . .	. . .	4½	4	1¼	14	7844H	BT	00417	. . .	. . .	. . .	. . .	. . .
*40360	. . .	. . .	. . .	. . .	4½	4	1¼	14	7844H	BT	00417	7⅜	7	4	P	4274
00418	. . .	. . .	. . .	. . .	4½	5	1¼	14	7844H	BT	00418	. . .	. . .	. . .	. . .	. . .
40365	. . .	. . .	. . .	. . .	4½	5	1¼	14	7844H	BT	00418	7⅜	7	5	P	4302
00419	. . .	. . .	. . .	. . .	4½	6	1¼	14	7844H	BT	00419	. . .	. . .	. . .	. . .	. . .
40370	. . .	. . .	. . .	. . .	4½	6	1¼	14	7844H	BT	00419	7⅜	7	6	P	4332
40870	4½	4	6⅜	30252	4½	6	1¼	14	7844H	BT	00419	7⅜	7	6	P	4332
00420	. . .	. . .	. . .	. . .	4½	7	1¼	14	7844H	BT	00420	. . .	. . .	. . .	. . .	. . .
40374	. . .	. . .	. . .	. . .	4½	7	1¼	14	7844H	BT	00420	7⅜	7	7	P	4347
*40874	4½	4	7⅜	30253	4½	7	1¼	14	7844H	BT	00420	7⅜	7	7	P	4347
RA220	. . .	. . .	. . .	. . .	4¾	2 5/16	¾	22	7897H	BT	RA220	. . .	. . .	. . .	. . .	. . .
RA99220	. . .	. . .	. . .	. . .	4¾	2 5/16	¾	15	76EH24	BB	RA99220	. . .	. . .	. . .	. . .	. . .
220	4¾	3.9370	2 5/16	IR220	4¾	2 5/16	¾	22	7897H	BT	RA220	7.0866	6¼	2 5/16	S	OR220
99220	4¾	3.9370	2 5/16	IR220	4¾	2 5/16	¾	15	76EH24	BB	RA99220	7.0866	6¼	2 5/16	S	OR220
T99220	4¾	4	4⅜	30401	4¾	2 5/16	¾	15	76EH24	BB	RA99220	7.0866	6¼	2 5/16	S	OR220
TX99220	4¾	3 15/16	3⅝	30409	4¾	2 5/16	¾	15	76EH24	BB	RA99220	7.0866	6¼	2 5/16	S	OR220
WRA220	. . .	. . .	. . .	. . .	4¾	3¼	¾	22	7897H	BT	WRA220	. . .	. . .	. . .	. . .	. . .
WRA99220	. . .	. . .	. . .	. . .	4¾	3¼	¾	15	76EH24	BB	WRA99220	. . .	. . .	. . .	. . .	. . .
W220	4¾	3.9370	3¼	WIR220	4¾	3¼	¾	22	7897H	BT	WRA220	7.0866	6¼	3¼	S	WOR220
W99220	4¾	3.9370	3¼	WIR220	4¾	3¼	¾	15	76EH24	BB	WRA99220	7.0866	6¼	3¼	S	WOR220
TX220	4¾	3 15/16	3⅝	30409	4¾	3¼	¾	22	7897H	BT	RA220	7.0866	6¼	3¼	S	OR220
TXW220	4¾	3 15/16	3⅝	30409	4¾	3¼	¾	22	7897H	BT	WRA220	7.0866	6¼	3¼	S	WOR220
TXW99220	4¾	3 15/16	3⅝	30409	4¾	3¼	¾	15	76EH24	BB	WRA99220	7.0866	6¼	3¼	S	WOR220
MW220	4¾	3.9990	3¼	MWIR220	4¾	3¼	¾	22	7897H	BT	WRA220	7.0866	6¼	3¼	S	WOR220
*S220	4¾	4	4⅜	30086	4¾	3¼	¾	22	7897H	BT	RA220	7.0866	6¼	3¼	S	OR220
T220	4¾	4	4⅜	30401	4¾	3¼	¾	22	7897H	BT	RA220	7.0866	6¼	3¼	S	OR220
TW220	4¾	4	4⅜	30401	4¾	3¼	¾	22	7897H	BT	WRA220	7.0866	6¼	3¼	S	WOR220
TW99220	4¾	4	4⅜	30401	4¾	3¼	¾	15	76EH24	BB	WRA99220	7.0866	6¼	3¼	S	WOR220
D220	4¾	3.9370	6½	DIR220	4¾	6½	¾	22	7897H	BT	WRA220 •	7.0866	6¼	6½	S	DOR220
D99220	4¾	3.9370	6½	DIR220	4¾	6½	¾	15	76EH24	BB	WRA99220 •	7.0866	6¼	6½	S	DOR220
MRA319	. . .	. . .	. . .	. . .	4¾	3 1/16	1⅛	16	7898H	BT	MRA319	. . .	. . .	. . .	. . .	. . .
M319	4¾	3.7402	3 1/16	MIR319	4¾	3 1/16	1⅛	16	7898H	BT	MRA319	7.8740	7	3 1/16	S	MOR319
TM319	4¾	4	4⅜	30401	4¾	3 1/16	1⅛	16	7898H	BT	MRA319	7.8740	7	3 1/16	S	MOR319
RA319	. . .	. . .	. . .	. . .	4¾	3 1/16	1⅛	16	7898H	BT	RA319	. . .	. . .	. . .	. . .	. . .
319	4¾	3.7402	3⅛	IR319	4¾	3⅛	1⅛	16	7898H	BT	RA319	7.8740	7	3⅛	S	OR319
*T319	4¾	4	4⅜	30401	4¾	3⅛	1⅛	16	7898H	BT	RA319	7.8740	7	3⅛	S	OR319
RA75021	. . .	. . .	. . .	. . .	5	2⅝	⅝	20	GA750	BB	RA75021	. . .	. . .	. . .	. . .	. . .
*75021	5	4¼	2⅝	IR75021	5	2⅝	⅝	20	GA750	BB	RA75021	7	6¼	2⅝	S	OR75021
RA320	. . .	. . .	. . .	. . .	5	3¼	1¼	15	7899H	BT	RA320	. . .	. . .	. . .	. . .	. . .
320	5	3.9370	3¼	IR320	5	3¼	1¼	15	7899H	BT	RA320	8.4646	7½	3¼	S	OR320
00429	. . .	. . .	. . .	. . .	5	4	1¼	15	7877H	BT	00429	. . .	. . .	. . .	. . .	. . .
40410	. . .	. . .	. . .	. . .	5	4	1¼	15	7877H	BT	00429	7⅞	7½	4	P	4275
00430	. . .	. . .	. . .	. . .	5	5	1¼	15	7877H	BT	00430	. . .	. . .	. . .	. . .	. . .

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IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
40415	. . . .	. . . . .	. . .	. . . . .	5	5	1¼	15	7877H	BT	00430	7⅞	7½	5	P	4303
00431	. . . .	. . . . .	. . .	. . . . .	5	6	1¼	15	7877H	BT	00431	. . . .	. . . .	. . .	. .	. . . . .
40420	. . . .	. . . . .	. . .	. . . . .	5	6	1¼	15	7877H	BT	00431	7⅞	7½	6	P	4333
*40920	5	4¼	6⅜	30256	5	6	1¼	15	7877H	BT	00431	7⅞	7½	6	P	4333
00432	. . . .	. . . . .	. . .	. . . . .	5	7	1¼	15	7877H	BT	00432	. . . .	. . . .	. . .	. .	. . . . .
40424	. . . .	. . . . .	. . .	. . . . .	5	7	1¼	15	7877H	BT	00432	7⅞	7½	7	P	4348
16844	. . . .	. . . . .	. . .	. . . . .	5¼	1½	½	28	7579	BT	16844	. . . .	. . . .	. . .	. .	. . . . .
*17104	5¼	4¾	1½	30038	5¼	1½	½	28	7579	BT	16844	6¾	6¼	1½	S	31035
RA222	. . . .	. . . . .	. . .	. . . . .	5¼	2⁹⁄₁₆	⅞	21	7704H	BT	RA222	. . . .	. . . .	. . .	. .	. . . . .
RA99222	. . . .	. . . . .	. . .	. . . . .	5¼	2⁹⁄₁₆	⅞	15	84EH28	BB	RA99222	. . . .	. . . .	. . .	. .	. . . . .
222	5¼	4.3307	2⁹⁄₁₆	IR222	5¼	2⁹⁄₁₆	⅞	21	7704H	BT	RA222	7.8740	7	2⁹⁄₁₆	S	OR222
99222	5¼	4.3307	2⁹⁄₁₆	IR222	5¼	2⁹⁄₁₆	⅞	15	84EH28	BB	RA99222	7.8740	7	2⁹⁄₁₆	S	OR222
T99222	5¼	4½	4⅜	30402	5¼	2⁹⁄₁₆	⅞	15	84EH28	BB	RA99222	7.8740	7	2⁹⁄₁₆	S	OR222
TX99222	5¼	4⁷⁄₁₆	3⅞	30410	5¼	2⁹⁄₁₆	⅞	15	84EH28	BB	RA99222	7.8740	7	2⁹⁄₁₆	S	OR222
WRA222	. . . .	. . . . .	. . .	. . . . .	5¼	3½	⅞	21	7704H	BT	WRA222	. . . .	. . . .	. . .	. .	. . . . .
WRA99222	. . . .	. . . . .	. . .	. . . . .	5¼	3½	⅞	15	84EH28	BB	WRA99222	. . . .	. . . .	. . .	. .	. . . . .
W222	5¼	4.3307	3½	WIR222	5¼	3½	⅞	21	7704H	BT	WRA222	7.8740	7	3½	S	WOR222
W99222	5¼	4.3307	3½	WIR222	5¼	3½	⅞	15	84EH28	BB	WRA99222	7.8740	7	3½	S	WOR222
TW222	5¼	4½	4⅜	30402	5¼	3½	⅞	21	7704H	BT	WRA222	7.8740	7	3½	S	WOR222
TW99222	5¼	4½	4⅜	30402	5¼	3½	⅞	15	84EH28	BB	WRA99222	7.8740	7	3½	S	WOR222
TXW222	5¼	4⁷⁄₁₆	3⅞	30410	5¼	3½	⅞	21	7704H	BT	WRA222	7.8740	7	3½	S	WOR222
TXW99222	5¼	4⁷⁄₁₆	3⅞	30410	5¼	3½	⅞	15	84EH28	BB	WRA99222	7.8740	7	3½	S	WOR222
D222	5¼	4.3307	7	DIR222	5¼	7	⅞	21	7704H	BT	WRA222 •	7.8740	7	7	S	DOR222
D99222	5¼	4.3307	7	DIR222	5¼	7	⅞	15	84EH28	BB	WRA99222 •	7.8740	7	7	S	DOR222
*RA75523	. . . .	. . . . .	. . .	. . . . .	5½	2⅞	⅝	22	GA755	BB	RA75523	. . . .	. . . .	. . .	. .	. . . . .
*75523	5½	4⅝	2⅞	IR75523	5½	2⅞	⅝	22	GA755	BB	RA75523	7⅝	6¾	2⅞	S	OR75523
*S75523	5½	4⅝	4⅝	SIR75523	5½	2⅞	⅝	22	GA755	BB	RA75523	7⅝	6¾	2⅞	S	OR75523
RA322	. . . .	. . . . .	. . .	. . . . .	5½	3¾	1⅜	15	7794H	BT	RA322	. . . .	. . . .	. . .	. .	. . . . .
322	5½	4.3307	3¾	IR222	5½	3¾	1⅜	15	7794H	BT	RA322	9.4488	8¼	3¾	S	OR322
MRA322	. . . .	. . . . .	. . .	. . . . .	5½	3⅝	1⅜	15	7794H	BT	MRA322	. . . .	. . . .	. . .	. .	. . . . .
M222	5½	4.3307	3⅝	MIR322	5½	3⅝	1⅜	15	7794H	BT	MRA322	9.4488	8¼	3⅝	S	MOR322
RA224	. . . .	. . . . .	. . .	. . . . .	5⅝	2¹³⁄₁₆	¹⁵⁄₁₆	21	7709H	BT	RA224	. . . .	. . . .	. . .	. .	. . . . .
RA99224	. . . .	. . . . .	. . .	. . . . .	5⅝	2¹³⁄₁₆	¹⁵⁄₁₆	15	90EH30	BB	RA99224	. . . .	. . . .	. . .	. .	. . . . .
224	5⅝	4.7244	2¹³⁄₁₆	IR224	5⅝	2¹³⁄₁₆	¹⁵⁄₁₆	21	7709H	BT	RA224	8.4646	7½	2¹³⁄₁₆	S	OR224
99224	5⅝	4.7244	2¹³⁄₁₆	IR224	5⅝	2¹³⁄₁₆	¹⁵⁄₁₆	15	90EH30	BB	RA99224	8.4646	7½	2¹³⁄₁₆	S	OR224
WRA224	. . . .	. . . . .	. . .	. . . . .	5⅝	3⅞	¹⁵⁄₁₆	21	7709H	BT	WRA224	. . . .	. . . .	. . .	. .	. . . . .
WRA99224	. . . .	. . . . .	. . .	. . . . .	5⅝	3⅞	¹⁵⁄₁₆	15	90EH30	BB	WRA99224	. . . .	. . . .	. . .	. .	. . . . .
W224	5⅝	4.7244	3⅞	WIR224	5⅝	3⅞	¹⁵⁄₁₆	21	7709H	BT	WRA224	8.4646	7½	3⅞	S	WOR224
W99224	5⅝	4.7244	3⅞	WIR224	5⅜	3⅞	¹⁵⁄₁₆	15	90EH30	BB	WRA99224	8.4646	7½	3⅞	S	WOR224
SW99224	5⅝	4.7244	3⅞	SWIR224	5⅜	3⅞	¹⁵⁄₁₆	15	90EH30	BB	WRA99224	8.4646	7½	3⅞	S	WOR224
D224	5⅝	4.7244	7¾	DIR224	5⅝	7¾	¹⁵⁄₁₆	21	7709H	BT	WRA224 •	8.4646	7½	7¾	S	DOR224
D99224	5⅝	4.7244	7¾	DIR224	5⅝	7¾	¹⁵⁄₁₆	15	90EH30	BB	WRA99224 •	8.4646	7½	7¾	S	DOR224
WRA99081	. . . .	. . . . .	. . .	. . . . .	5¾	3½	1¹⁄₁₆	13	92EH34	BB	WRA99081	. . . .	. . . .	. . .	. .	. . . . .
D99081	5¾	5	7	30306	5¾	7	1¹⁄₁₆	13	92EH34	BB	WRA99081 •	8⅝	7⅞	7	S	31068
00495	. . . .	. . . . .	. . .	. . . . .	5¾	4	1¼	17	7880H	BT	00495	. . . .	. . . .	. . .	. .	. . . . .
40485	. . . .	. . . . .	. . .	. . . . .	5¾	4	1¼	17	7880H	BT	00495	8⅝	8¼	4	P	4269
*40985	5¾	5	4⅜	30261	5¾	4	1¼	17	7880H	BT	00495	8⅝	8¼	4	P	4269
00496	. . . .	. . . . .	. . .	. . . . .	5¾	5	1¼	17	7880H	BT	00496	. . . .	. . . .	. . .	. .	. . . . .
40490	. . . .	. . . . .	. . .	. . . . .	5¾	5	1¼	17	7880H	BT	00496	8⅝	8¼	5	P	4304
*40990	5¾	5	5⅜	30259	5¾	5	1¼	17	7880H	BT	00496	8⅝	8¼	5	P	4304
*00497	. . . .	. . . . .	. . .	. . . . .	5¾	6	1¼	17	7880H	BT	00497	. . . .	. . . .	. . .	. .	. . . . .
*40995	5¾	5	6⅜	30305	5¾	6	1¼	17	7880H	BT	00497	8⅝	8¼	6	P	4313
*00498	. . . .	. . . . .	. . .	. . . . .	5¾	7	1¼	17	7880H	BT	00498	. . . .	. . . .	. . .	. .	. . . . .
40499	. . . .	. . . . .	. . .	. . . . .	5¾	7	1¼	17	7880H	BT	00498	8⅝	8¼	7	P	4356
40999	5¾	5	7⅜	30306	5¾	7	1¼	17	7880H	BT	00498	8⅝	8¼	7	P	4356
*RA76024	. . . .	. . . . .	. . .	. . . . .	6	3	¹¹⁄₁₆	22	GA760	BB	RA76024	. . . .	. . . .	. . .	. .	. . . . .
*76024	6	5⅛	3	IR76024	6	3	¹¹⁄₁₆	22	GA760	BB	RA76024	8¼	7⅜	3	S	OR76024
*S76024	6	5⅛	5⅛	SIR76024	6	3	¹¹⁄₁₆	22	GA760	BB	RA76024	8¼	7⅜	3	S	OR76024
MWRA226	. . . .	. . . . .	. . .	. . . . .	6	3⅞	¾	27	7736H	BT	MWRA226	. . . .	. . . .	. . .	. .	. . . . .
TMW226	6	5	4⅞	TMIR226	6	3⅞	¾	27	7736H	BT	MWRA226	8.4646	7½	3⅞	S	WOR224
SWRA226	. . . .	. . . . .	. . .	. . . . .	6	4⅞	¾	27	7736H	BT	SWRA226	. . . .	. . . .	. . .	. .	. . . . .
SW226	6	5.1181	4⅞	SWIR226	6	4⅞	¾	27	7736H	BT	SWRA226	8.4646	7½	4⅞	S	SWOR226
*ASW226	6	5.1181	4⅞	AWIR226	6	4⅞	¾	27	7736H	BT	SWRA226	8.4646	7½	4⅞	S	SWOR226
SW99226	6	5.1181	4⅞	SWIR226	6	4⅞	¾	19	96EH24H	BB	SWRA99226	8.4646	7½	4⅞	S	SWOR226

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

• Denotes two roller assemblies.

IDENTIFICATION OF NDH HY-ROLL BEARING BY DIMENSIONS– Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
SWRA99226	. . . .	. . . .	. . . .	. . . . .	6	4 7/8	3/4	19	96EH24H	BB	SWRA99226	. . . .	. . . .	. . . .	. . . .	. . . . .
SD226	6	5.1181	9 3/4	SDIR226	6	9 3/4	3/4	27	7736H	BT	SWRA226 •	8.4646	7 1/2	9 3/4	S	SDOR226
SD99226	6	5.1181	9 3/4	SDIR226	6	9 3/4	3/4	27	96EH24H	BB	SWRA99226 •	8.4646	7 1/2	9 3/4	S	SDOR226
00490	. . . .	. . . .	. . . .	. . . . .	6	5	1 1/4	18	7879H	BT	00490	. . . .	. . . .	. . . .	. . . .	. . . . .
40265	. . . .	. . . .	. . . .	. . . . .	6	5	1 1/4	18	7879H	BT	00490	8 7/8	8 1/2	5	P	4307
00491	. . . .	. . . .	. . . .	. . . . .	6	6	1 1/4	18	7879H	BT	00491	. . . .	. . . .	. . . .	. . . .	. . . . .
40270	. . . .	. . . .	. . . .	. . . . .	6	6	1 1/4	18	7879H	BT	00491	8 7/8	8 1/2	6	P	4312
*99682	. . . .	. . . .	. . . .	. . . . .	6	6	1 1/4	12	96EH40	BB	99682	. . . .	. . . .	. . . .	. . . .	. . . . .
*HP99682	. . . .	. . . .	. . . .	. . . . .	6	6	1 1/4	12	96EH40	BB	99682	8 7/8	8 1/2	6	P	4312
00492	. . . .	. . . .	. . . .	. . . . .	6	7	1 1/4	18	7879H	BT	00492	. . . .	. . . .	. . . .	. . . .	. . . . .
40274	. . . .	. . . .	. . . .	. . . . .	6	7	1 1/4	18	7879H	BT	00492	8 7/8	8 1/2	7	P	4357
*99683	. . . .	. . . .	. . . .	. . . . .	6	7	1 1/4	12	96EH40	BB	99683	. . . .	. . . .	. . . .	. . . .	. . . . .
*HP99683	. . . .	. . . .	. . . .	. . . . .	6	7	1 1/4	12	96EH40	BB	99683	8 7/8	8 1/2	7	P	4357
RA226	. . . .	. . . .	. . . .	. . . . .	6 1/16	3 1/8	1	21	7363H	BT	RA226	. . . .	. . . .	. . . .	. . . .	. . . . .
226	6 1/16	5.1181	3 1/8	IR226	6 1/16	3 1/8	1	21	7363H	BT	RA226	9.0551	8 1/16	3 1/8	S	OR226
RA99226	. . . .	. . . .	. . . .	. . . . .	6 1/16	3 1/8	1	15	97EH32	BB	RA99226	. . . .	. . . .	. . . .	. . . .	. . . . .
99226	6 1/16	5.1181	3 1/8	IR226	6 1/16	3 1/8	1	15	97EH32	BB	RA99226	9.0551	8 1/16	3 1/8	S	OR226
T99226	6 1/16	5.1181	4 5/8	30414	6 1/16	3 1/8	1	15	97EH32	BB	RA99226	9.0551	8 1/16	3 1/8	S	OR226
WRA226	. . . .	. . . .	. . . .	. . . . .	6 1/16	3 1/8	1	21	7363H	BT	WRA226	. . . .	. . . .	. . . .	. . . .	. . . . .
WRA99226	. . . .	. . . .	. . . .	. . . . .	6 1/16	4 1/4	1	15	97EH32	BB	WRA99226	. . . .	. . . .	. . . .	. . . .	. . . . .
W226	6 1/16	5.1181	4 1/4	WIR226	6 1/16	4 1/4	1	21	7363H	BT	WRA226	9.0551	8 1/16	4 1/4	S	WOR226
W99226	6 1/16	5.1181	4 1/4	WIR226	6 1/16	4 1/4	1	15	97EH32	BB	WRA99226	9.0551	8 1/16	4 1/4	S	WOR226
T226	6 1/16	4 15/16	4 5/8	30414	6 1/16	4 1/4	1	21	7363H	BT	RA226	9.0551	8 1/16	3 1/8	S	OR226
TXW226	6 1/16	4 15/16	4 5/8	30414	6 1/16	4 1/4	1	21	7363H	BT	WRA226	9.0551	8 1/16	4 1/4	S	WOR226
TXW99226	6 1/16	4 15/16	4 5/8	30414	6 1/16	4 1/4	1	15	97EH32	BB	WRA99226	9.0551	8 1/16	4 1/4	S	WOR226
D226	6 1/16	5.1181	8 1/2	DIR226	6 1/16	8 1/2	1	21	7363H	BT	WRA226 •	9.0551	8 1/16	8 1/2	S	DOR226
D99226	6 1/16	5.1181	8 1/2	DIR226	6 1/16	8 1/2	1	15	97EH32	BB	WRA99226 •	9.0551	8 1/16	8 1/2	S	DOR226
*TYW99226	6 1/16	5.1183	5 5/8	30085	6 1/16	8 1/2	1	15	97EH32	BB	WRA99226	9.0551	8 1/16	8 1/2	S	WOR226
RA324	. . . .	. . . .	. . . .	. . . . .	6 1/16	4 1/8	1 3/8	16	7795H	BT	RA324	. . . .	. . . .	. . . .	. . . .	. . . . .
324	6 1/16	4.7244	4 1/8	IR324	6 1/16	4 1/8	1 3/8	16	7795H	BT	RA324	10.2362	8 13/16	4 1/8	S	OR324
*RA76525	. . . .	. . . .	. . . .	. . . . .	6 1/2	3 1/8	3/4	22	GA765	BB	RA76525	. . . .	. . . .	. . . .	. . . .	. . . . .
*E76525	6 1/2	5 1/2	3 1/8	IR76525	6 1/2	3 1/8	3/4	22	GA765	BB	RA76525	. . . .	. . . .	. . . .	. . . .	. . . . .
RA326	. . . .	. . . .	. . . .	. . . . .	6 9/16	4 3/8	1 1/2	16	7739H	BT	RA326	. . . .	. . . .	. . . .	. . . .	. . . . .
326	6 9/16	5.1181	4 3/8	IR326	6 9/16	4 3/8	1 1/2	16	7739H	BT	RA326	11.0236	9 9/16	4 3/8	S	OR326
RA228	. . . .	. . . .	. . . .	. . . . .	6 5/8	3 1/4	1 1/16	22	7711H	BT	RA228	. . . .	. . . .	. . . .	. . . .	. . . . .
228	6 5/8	5.5118	3 1/4	IR228	6 5/8	3 1/4	1 1/16	22	7711H	BT	RA228	9.8425	8 3/4	3 1/4	S	OR228
RA99228	. . . .	. . . .	. . . .	. . . . .	6 5/8	3 1/4	1 1/16	15	106EH34	BB	RA99228	. . . .	. . . .	. . . .	. . . .	. . . . .
99228	6 5/8	5.5118	3 1/4	IR228	6 5/8	3 1/4	1 1/16	15	106EH34	BB	RA99228	9.8425	8 3/4	3 1/4	S	OR228
T228	6 5/8	5 7/16	5 1/8	30411	6 5/8	3 1/4	1 1/16	22	7711	BT	RA228	9.8425	8 3/4	3 1/4	S	OR228
T99228	6 5/8	5 7/16	5 1/8	30411	6 5/8	3 1/4	1 1/16	15	106EH34	BB	RA99228	9.8425	8 3/4	3 1/4	S	OR228
TX99228	6 5/8	5 1/2	5 1/8	30097	6 5/8	4 3/4	1 1/16	15	106EH34	BB	WRA99228	9.8425	8 3/4	3 1/4	S	OR228
WRA228	. . . .	. . . .	. . . .	. . . . .	6 5/8	4 3/4	1 1/16	22	7711H	BT	WRA228	. . . .	. . . .	. . . .	. . . .	. . . . .
W228	6 5/8	5.5118	4 3/4	WIR228	6 5/8	4 3/4	1 1/16	22	7711H	BT	WRA228	9.8425	8 3/4	4 3/4	S	WOR228
WRA99228	. . . .	. . . .	. . . .	. . . . .	6 5/8	4 3/4	1 1/16	15	106EH34	BB	WRA99228	. . . .	. . . .	. . . .	. . . .	. . . . .
W99228	6 5/8	5.5118	4 3/4	WIR228	6 5/8	4 3/4	1 1/16	15	106EH34	BB	WRA99228	9.8425	8 3/4	4 3/4	S	WOR228
TXW228	6 5/8	5 7/16	5 1/8	30411	6 5/8	4 3/4	1 1/16	22	7711H	BT	WRA228	9.8425	8 3/4	4 3/4	S	WOR228
TXW99228	6 5/8	5 7/16	5 1/8	30411	6 5/8	4 3/4	1 1/16	15	106EH34	BB	WRA99228	9.8425	8 3/4	4 3/4	S	WOR228
D228	6 5/8	5.5118	9 1/2	DIR228	6 5/8	9 1/2	1 1/16	22	7711H	BT	WRA228 •	9.8425	8 3/4	9 1/2	S	DOR228
DA228	6 5/8	5.5118	9 1/2	DIRA228	6 5/8	9 1/2	1 1/16	22	7711H	BT	WRA228 •	9.8425	8 3/4	9 1/2	S	DOR228
D99228	6 5/8	5.5118	9 1/2	DIR228	6 5/8	9 1/2	1 1/16	15	106EH34	BB	WRA99228 •	9.8425	8 3/4	9 1/2	S	DOR228
*RA77026	. . . .	. . . .	. . . .	. . . . .	7	3 1/4	3/4	22	GA770	BB	RA77026	. . . .	. . . .	. . . .	. . . .	. . . . .
*77026	7	6	3 1/4	IR77026	7	3 1/4	3/4	22	GA770	BB	RA77026	9 1/2	8 1/2	3 1/4	S	OR77026
*S77026	7	6	5	SIR77026	7	3 1/4	3/4	22	GA770	BB	RA77026	9 1/2	8 1/2	3 1/4	S	OR77026
*00408	. . . .	. . . .	. . . .	. . . . .	7	5	1 3/8	18	7873H	BT	00408	. . . .	. . . .	. . . .	. . . .	. . . . .
*40290	. . . .	. . . .	. . . .	. . . . .	7	5	1 3/8	18	7873H	BT	00408	10 1/8	9 3/4	5	P	4308
00507	. . . .	. . . .	. . . .	. . . . .	7	7	1 3/8	18	7873H	BT	00507	. . . .	. . . .	. . . .	. . . .	. . . . .
40498	. . . .	. . . .	. . . .	. . . . .	7	7	1 3/8	18	7873H	BT	00507	10 1/8	9 3/4	7	P	4235
*40998	7	6	7 3/8	30359	7	7	1 3/8	18	7873H	BT	00507	10 1/8	9 3/4	7	P	4235
RA230	. . . .	. . . .	. . . .	. . . . .	7 1/16	3 1/2	1 3/16	21	7712H	BT	RA230	. . . .	. . . .	. . . .	. . . .	. . . . .
230	7 1/16	5.9055	3 1/2	IR230	7 1/16	3 1/2	1 3/16	21	7712H	BT	RA230	10.6299	9 7/16	3 1/2	S	OR230
RA99230	. . . .	. . . .	. . . .	. . . . .	7 1/16	3 1/2	1 3/16	15	113EH38	BB	RA99230	. . . .	. . . .	. . . .	. . . .	. . . . .
99230	7 1/16	5.9055	3 1/2	IR230	7 1/16	3 1/2	1 3/16	15	113EH38	BB	RA99230	10.6299	9 7/16	3 1/2	S	OR230
T230	7 1/16	5 15/16	5 3/8	30425	7 1/16	3 1/2	1 3/16	21	7712	BT	RA230	10.6299	9 7/16	3 1/2	S	OR230
T99230	7 1/16	5 15/16	5 3/8	30425	7 1/16	3 1/2	1 3/16	15	113EH38	BB	RA99230	10.6299	9 7/16	3 1/2	S	OR230
WRA230	. . . .	. . . .	. . . .	. . . . .	7 1/16	4 3/4	1 3/16	21	7712H	BT	WRA230	. . . .	. . . .	. . . .	. . . .	. . . . .

• Denotes Double Roller Assembly.

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
WRA99230	. . . .	. . . . .	. . . .	. . . . .	7 1/16	4 3/4	1 3/16	15	113EH38	BB	WRA99230	. . . . .	. . . .	. . . .	. . . .	. . . . .
W230	7 1/16	5.9055	4 3/4	WIR230	7 1/16	4 3/4	1 3/16	21	7712H	BT	WRA230	10.6299	9 7/16	4 3/4	S	WOR230
W99230	7 1/16	5.9055	4 3/4	WIR230	7 1/16	4 3/4	1 3/16	15	113EH38	BB	WRA99230	10.6299	9 7/16	4 3/4	S	WOR230
MW230	7 1/16	5.9977	4 3/4	MWIR230	7 1/16	4 3/4	1 3/16	21	7712H	BT	WRA230	10.6299	9 7/16	4 3/4	S	WOR230
TW230	7 1/16	5 15/16	5 3/8	30425	7 1/16	4 3/4	1 3/16	21	7712H	BT	WRA230	10.6299	9 7/16	4 3/4	S	WOR230
TW99230	7 1/16	5 15/16	5 3/8	30425	7 1/16	4 3/4	1 3/16	15	113EH38	BB	WRA99230	10.6299	9 7/16	4 3/4	S	WOR230
*RA77528	. . . .	. . . . .	. . . .	. . . . .	7 1/2	3 1/2	13/16	22	GA775	BB	RA77528	. . . . .	. . . .	. . . .	. . . .	. . . . .
*77528	7 1/2	6 1/2	3 1/2	IR77528	7 1/2	3 1/2	13/16	22	GA775	BB	RA77528	10 1/8	9 1/8	3 1/2	S	OR77528
RA232	. . . .	. . . . .	. . . .	. . . . .	7 5/8	3 1/8	1 1/4	21	7790H	BT	RA232	. . . . .	. . . .	. . . .	. . . .	. . . . .
232	7 5/8	6.2992	3 1/8	IR232	7 5/8	3 1/8	1 1/4	21	7790H	BT	RA232	11.4173	10 1/8	3 1/8	S	OR232
RA99232	. . . .	. . . . .	. . . .	. . . . .	7 5/8	3 1/8	1 1/4	15	122EH40	BB	RA99232	. . . . .	. . . .	. . . .	. . . .	. . . . .
99232	7 5/8	6.2992	3 1/8	IR232	7 5/8	3 1/8	1 1/4	15	122EH40	BB	RA99232	11.4173	10 1/8	3 1/8	S	OR232
T99232	7 5/8	6 7/16	5 1/2	30426	7 5/8	3 1/8	1 1/4	15	122EH40	BB	RA99232	11.4173	10 1/8	3 1/8	S	OR232
WRA232	. . . .	. . . . .	. . . .	. . . . .	7 5/8	4 1/8	1 1/4	21	7790H	BT	WRA232	. . . . .	. . . .	. . . .	. . . .	. . . . .
WRA99232	. . . .	. . . . .	. . . .	. . . . .	7 5/8	4 1/8	1 1/4	15	122EH40	BB	WRA99232	. . . . .	. . . .	. . . .	. . . .	. . . . .
W232	7 5/8	6.2992	4 1/8	WIR232	7 5/8	4 1/8	1 1/4	21	7790H	BT	WRA232	11.4173	10 1/8	4 1/8	S	WOR232
W99232	7 5/8	6.2992	4 1/8	WIR232	7 5/8	4 1/8	1 1/4	15	122EH40	BB	WRA99232	11.4173	10 1/8	4 1/8	S	WOR232
SWA99232	7 5/8	6 7/16	5 1/2	30096	7 5/8	4 1/8	1 1/4	15	122EH40	BB	WRA99232	11.4173	10 1/8	4 1/8	S	WOR232
TW232	7 5/8	6 7/16	5 1/2	30426	7 5/8	4 1/8	1 1/4	21	7790H	BT	WRA232	11.4173	10 1/8	4 1/8	S	WOR232
TW99232	7 5/8	6 7/16	5 1/2	30426	7 5/8	4 1/8	1 1/4	15	122EH40	BB	WRA99232	11.4173	10 1/8	4 1/8	S	WOR232
SW99232	7 5/8	6 7/16	5 1/2	30075	7 5/8	4 1/8	1 1/4	15	122EH40	BB	WRA99232	11.4173	10 1/8	4 1/8	S	WOR232
D232	7 5/8	6.2992	9 3/4	DIR232	7 5/8	9 3/4	1 1/4	21	7790H	BT	WRA232 •	11.4173	10 1/8	9 3/4	S	DOR232
D99232	7 5/8	6.2992	9 3/4	DIR232	7 5/8	9 3/4	1 1/4	15	122EH40	BB	WRA99232 •	11.4173	10 1/8	9 3/4	S	DOR232
*RA78030	. . . .	. . . . .	. . . .	. . . . .	8	3 3/4	7/8	22	GA730	BB	RA78030	. . . . .	. . . .	. . . .	. . . .	. . . . .
*78030	8	6 7/8	3 3/4	IR78030	8	3 3/4	7/8	22	GA730	BB	RA78030	10 7/8	9 3/4	3 3/4	S	OR78030
*S78030	8	6 7/8	5 1/2	SIR78030	8	3 3/4	7/8	22	GA730	BB	RA78030	10 7/8	9 3/4	3 3/4	S	OR78030
*T78030	8	6 7/8	6 1/2	TSIR78030	8	3 3/4	7/8	22	GA730	BB	RA78030	10 7/8	9 3/4	3 3/4	S	OR78030
WRA234	. . . .	. . . . .	. . . .	. . . . .	8 1/16	5 3/8	1 3/8	21	7856H	BT	WRA234	. . . . .	. . . .	. . . .	. . . .	. . . . .
WRA99234	. . . .	. . . . .	. . . .	. . . . .	8 1/16	5 3/8	1 3/8	15	129EH44	BB	WRA99234	. . . . .	. . . .	. . . .	. . . .	. . . . .
W234	8 1/16	6.6929	5 3/8	WIR234	8 1/16	5 3/8	1 3/8	21	7856H	BT	WRA234	12.2047	10 13/16	5 3/8	S	WOR234
W99234	8 1/16	6.6929	5 3/8	WIR234	8 1/16	5 3/8	1 3/8	15	129EH44	BB	WRA99234	12.2047	10 13/16	5 3/8	S	WOR234
SWRA234	. . . .	. . . . .	. . . .	. . . . .	8 1/16	9 1/2	1 3/8	21	7856H	BT	SWRA234	. . . . .	. . . .	. . . .	. . . .	. . . . .
SWRA99234	. . . .	. . . . .	. . . .	. . . . .	8 1/16	9 1/2	1 3/8	15	129EH44	BB	SWRA99234	. . . . .	. . . .	. . . .	. . . .	. . . . .
SD234	8 1/16	6.6929	9 1/2	SDIR234	8 1/16	9 1/2	1 3/8	21	7856H	BT	SWRA234 •	12.2047	10 13/16	9 1/2	S	SDOR234
SD99234	8 1/16	6.6929	9 1/2	SDIR234	8 1/16	9 1/2	1 3/8	15	129EH44	BB	SWRA99234 •	12.2047	10 13/16	9 1/2	S	SDOR234
D234	8 1/16	6.6929	10 3/4	DIR234	8 1/16	10 3/4	1 3/8	21	7856H	BT	WRA234 •	12.2047	10 13/16	10 3/4	S	DOR234
D99234	8 1/16	6.6929	10 3/4	DIR234	8 1/16	10 3/4	1 3/8	15	129EH44	BB	WRA99234 •	12.2047	10 13/16	10 3/4	S	DOR234
WRA236	. . . .	. . . . .	. . . .	. . . . .	8 15/32	5 7/8	1 3/8	22	7763H	BT	WRA236	. . . . .	. . . .	. . . .	. . . .	. . . . .
WRA99236	. . . .	. . . . .	. . . .	. . . . .	8 15/32	5 7/8	1 3/8	16	135EAH44	BB	WRA99236	. . . . .	. . . .	. . . .	. . . .	. . . . .
W236	8 15/32	7.0866	5 7/8	WIR236	8 15/32	5 7/8	1 3/8	22	7763H	BT	WRA236	12.5984	11 7/32	5 7/8	S	WOR236
W99236	8 15/32	7.0866	5 7/8	WIR236	8 15/32	5 7/8	1 3/8	16	135EAH44	BB	WRA99236	12.5984	11 7/32	5 7/8	S	WOR236
TW236	8 15/32	6 15/16	6 1/2	30427	8 15/32	5 7/8	1 3/8	22	7763H	BT	WRA236	12.5984	11 7/32	5 7/8	S	WOR236
TW99236	8 15/32	6 15/16	6 1/2	30427	8 15/32	5 7/8	1 3/8	16	135EAH44	BB	WRA99236	12.5984	11 7/32	5 7/8	S	WOR236
SW99236	8 15/32	6 15/16	6 1/2	30090	8 15/32	5 7/8	1 3/8	16	135EAH44	BB	WRA99236	12.5984	11 7/32	5 7/8	S	WOR236
*RA78532	. . . .	. . . . .	. . . .	. . . . .	8 1/2	4	7/8	24	GA785	BB	RA78532	. . . . .	. . . .	. . . .	. . . .	. . . . .
*78532	8 1/2	7 3/8	4	IR78532	8 1/2	4	7/8	24	GA785	BB	RA78532	11 3/8	10 1/4	4	S	OR78532
*S78532	8 1/2	7 3/8	5 3/4	SIR78532	8 1/2	4	7/8	24	GA785	BB	RA78532	11 3/8	10 1/4	4	S	OR78532
*RA79034	. . . .	. . . . .	. . . .	. . . . .	9	4 1/4	1	22	GA790	BB	RA79034	. . . . .	. . . .	. . . .	. . . .	. . . . .
*79034	9	7 3/4	4 1/4	IR79034	9	4 1/4	1	22	GA790	BB	RA79034	12 1/4	11	4 1/4	S	OR79034
*WRA99095	. . . .	. . . . .	. . . .	. . . . .	9 3/16	4 3/4	1	22	GA99095	BB	WRA99095					
*D99095	9 3/16	8.0580	10	30095	9 3/16	4 3/4	1	22	GA99095	BB	WRA99095 •	12.2060	11 3/16	9 1/2	S	31074
*CD99095					9 3/16	4 3/4	1	22	GA99095	BB	WRA99095 •	12.2060	11 3/16	9 1/2	S	31074
SRA240	. . . .	. . . . .	. . . .	. . . . .	9 1/4	4 3/4	1 3/8	24	7855H	BT	SRA240	. . . . .	. . . .	. . . .	. . . .	. . . . .
SRA99240	. . . .	. . . . .	. . . .	. . . . .	9 1/4	4 3/4	1 3/8	17	148EH44	BB	SRA99240	. . . . .	. . . .	. . . .	. . . .	. . . . .
S240	9 1/4	7.8740	4 3/4	SIR240	9 1/4	4 3/4	1 3/8	24	7855H	BT	SRA240	13.3858	12	4 3/4	S	SOR240
S99240	9 1/4	7.8740	4 3/4	SIR240	9 1/4	4 3/4	1 3/8	17	148EH44	BB	SRA99240	13.3858	12	4 3/4	S	SOR240
TS99240	9 1/4	7 1/2	7 1/2	30428	9 1/4	4 3/4	1 3/8	17	148EH44	BB	SRA99240	13.3858	12	4 3/4	S	SOR240
SWRA240	. . . .	. . . . .	. . . .	. . . . .	9 1/4	6 7/8	1 3/8	24	7855H	BT	SWRA240	. . . . .	. . . .	. . . .	. . . .	. . . . .
SWRA99240	. . . .	. . . . .	. . . .	. . . . .	9 1/4	6 7/8	1 3/8	17	148EH44	BB	SWRA99240	. . . . .	. . . .	. . . .	. . . .	. . . . .
SW240	9 1/4	7.8740	6 7/8	SWIR240	9 1/4	6 7/8	1 3/8	24	7855H	BT	SWRA240	13.3858	12	6 7/8	S	SWOR240
SW99240	9 1/4	7.8740	6 7/8	SWIR240	9 1/4	6 7/8	1 3/8	17	148EH44	BB	SWRA99240	13.3858	12	6 7/8	S	SWOR240
TSW240	9 1/4	7 1/2	7 1/2	30428	9 1/4	6 7/8	1 3/8	24	7855H	BT	SWRA240	13.3858	12	6 7/8	S	SWOR240
TSW99240	9 1/4	7 1/2	7 1/2	30428	9 1/4	6 7/8	1 3/8	17	148EH44	BB	SWRA99240	13.3858	12	6 7/8	S	SWOR240
SDA99240	9 1/4	7 7/8	9 1/2	SDIRA240	9 1/4	9 1/2	1 3/8	17	148EH44	BB	SRA99240 •	13.3858	12	9 1/2	S	SDORA240

*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

• Denotes two roller assemblies.

IDENTIFICATION OF NDH HY-ROLL BEARINGS BY DIMENSIONS–Continued

Complete Bearing No.	INNER RING				ROLLER ASSEMBLY							OUTER RING				
	Outside Dia.	Inside Dia.	Width	Part No.	Inside Dia.	Operating Space	Roller Dia.	No. of Rollers	End Ring No.	R.A. Type	R.A. Part No.	Outside Dia.	Inside Dia.	Width	Type S-Solid P-Split	Part No.
*RA710036	. . .	. . . . .	.	. . . . .	10	4½	1	24	G7100	BB	RA710036	. . . . .	. .	. . .	. . .	. . . . .
*710036	10	8⅝	4½	IR710036	10	4½	1	24	G7100	BB	RA710036	13⅜	12	4½	S	OR710036
*S710036	10	8⅝	6½	SIR710036	10	4½	1	23	G7100	BB	RA710036	13⅜	12	4½	S	OR710036
*TS710036	10	8⅝	6½	TSIR710036	10	4½	1	24	G7100	BB	RA710036	13⅜	12	4½	S	OR710036
RA710036T	. . .	. . . . .	.	. . . . .	10	4½	1	23	160EH32	BB	RA710036T	. . . . .	. .	. . .	. . .	. . . . .
TSA710036T	10	8⅝	6½	30079	10	4½	1	23	160EH32	BB	RA710036T	13⅜	12	4½	S	OR710036
SWRA244	. . .	. . . . .	.	. . . . .	10 7/16	6⅞	1⅜	26	7758H	BT	SWRA244	. . . . .	. .	. . .	. . .	. . . . .
SW244	10 7/16	8.6614	6⅞	SWIR244	10 7/16	6⅞	1⅜	26	7758H	BT	SWRA244	14.9606	13 13/64	6⅞	S	SWOR244
SWRA99244	. . .	. . . . .	.	. . . . .	10 7/16	6⅞	1⅜	18	167EH44	BB	SWRA99244	. . . . .	. .	. . .	. . .	. . . . .
SW99244	10 7/16	8.6614	6⅞	SWIR244	10 7/16	6⅞	1⅜	18	167EH44	BB	SWRA99244	14.9606	13 13/64	6⅞	S	SWOR244
ASW99244	10 7/16	8.6616	6⅞	AWIR244	10 7/16	6⅞	1⅜	18	167EH44	BB	SWRA99244	14.9606	13 13/64	6⅞	S	SWOR244
AWRA244	. . .	. . . . .	.	. . . . .	10 7/16	5⅜	1⅜	26	7758H	BT	AWRA244	. . . . .	. .	. . .	. . .	. . . . .
DA244	10 7/16	8.6614	10¾	DIRA244	10 7/16	10¾	1⅜	26	7758H	BT	AWRA244•	14.9606	13 5/16	10¾	S	DORA244
AWRA99244	. . .	. . . . .	.	. . . . .	10 7/16	5⅜	1⅜	18	167EH44	BB	AWRA99244	. . . . .	. .	. . .	. . .	. . . . .
DA99244	10 7/16	8.6614	10¾	DIRA244	10 7/16	10¾	1⅜	18	167EH44	BB	AWRA99244•	14.9606	13 5/16	10¾	S	DORA244
SRA148	. . .	. . . . .	.	. . . . .	10⅝	4½	1 3/16	30	7679H	BT	SRA148	. . . . .	. .	. . .	. . .	. . . . .
SRA99148	. . .	. . . . .	.	. . . . .	10⅝	4½	1 3/16	22	170EH38	BB	SRA99148	. . . . .	. .	. . .	. . .	. . . . .
S148	10⅝	9.4488	4½	SIR148	10⅝	4½	1 3/16	30	7679H	BT	SRA148	14.1732	13	4½	S	SOR148
S99148	10⅝	9.4488	4½	SIR148	10⅝	4½	1 3/16	22	170EH38	BB	SRA99148	14.1732	13	4½	S	SOR148
RA711040	. . .	. . . . .	.	. . . . .	11	5½	1⅛	24	GA7110	BB	RA711040	. . . . .	. .	. . .	. . .	. . . . .
711040	11	9½	5½	IR711040	11	5½	1⅛	24	GA7110	BB	RA711040	14¾	13¼	5½	S	OR711040
WRA99077	. . .	. . . . .	.	. . . . .	11	5⅜	1¼	24	176EH40	BB	WRA99077	. . . . .	. .	. . .	. . .	. . . . .
D99077	11	9.4481	10¾	30078	11	10¾	1¼	24	176EH40	BB	WRA99077•	14.9630	13½	10¾	S	31034
RA712044	. . .	. . . . .	.	. . . . .	12	5½	1¼	24	G7120	BB	RA712044	. . . . .	. .	. . .	. . .	. . . . .
*712044	12	10½	5½	IR712044	12	5½	1¼	24	G7120	BB	RA712044	15½	14½	5½	S	OR712044
S712044	12	10½	7¼	SIR712044	12	5½	1¼	24	G7120	BB	RA712044	15½	14½	5½	S	OR712044
SRA156	. . .	. . . . .	.	. . . . .	12⅜	5	1⅜	30	7754H	BT	SRA156	. . . . .	. .	. . .	. . .	. . . . .
SRA99156	. . .	. . . . .	.	. . . . .	12⅜	5	1⅜	22	220EH44	BB	SRA99156	. . . . .	. .	. . .	. . .	. . . . .
S156	12⅜	11.0236	5	SIR156	12⅜	5	1⅜	30	7754H	BT	SRA156	16.5354	15⅛	5	S	SOR156
S99156	12⅜	11.0236	5	SIR156	12⅜	5	1⅜	22	220EH44	BB	SRA99156	16.5354	15⅛	5	S	SOR156

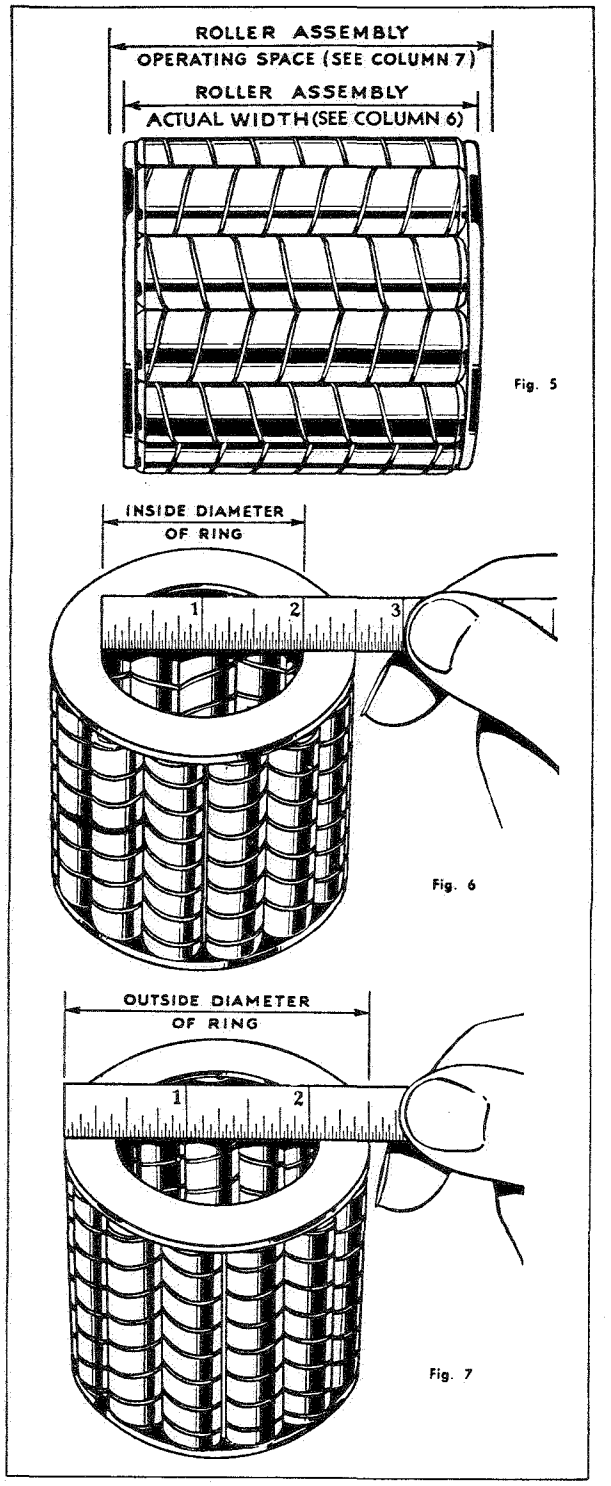
*Not a saleable item. Part Numbers and Dimensions are shown for reference purposes only.

• Denotes two roller assemblies.

TABLE VII
IDENTIFICATION OF NDH HY-ROLL ROLLER ASSEMBLIES BY END RING NUMBERS

For identification of roller assemblies by dimensions see Table VI.

Most NDH Roller Assembly end rings are stamped with end ring part number. This number is not the roller assembly part number. To find roller assembly part number, locate the known end ring numbers in the table following, measure actual length of roller assembly and select roller assembly part number which appears against those dimensions. Check by ring and roller diameters and by the number of rollers.



Explanation of Table VII.

Column 1—End Ring Number-Stamped on both end ring outside faces.

Column 2—End Ring Inside Diameter—Actual

Column 3—End Ring Outside Diameter—Actual

Column 4—Number of Rollers.

Column 5—Roller Diameter.

Column 6—Roller Assembly actual length. This dimension is slightly less than the nominal length which is understood to be the roller assembly operating space.

Column 7—Roller Assembly operating space. Usually referred to as Bearing Width. Slightly greater than actual Roller Assembly length.

Measurements as above apply to solid and wound roller assemblies.

TABLE VII
IDENTIFICATION OF NDH HY-ROLLER ASSEMBLIES BY END RING NUMBERS

Ring No.	Diam. of Ring Inside	Diam. of Ring Outside	No. of Rollers	Diam. of Rollers	R.A. Actual Length	R.A. Operating Space	R.A. Part No.
8E6	33/64	55/64	8	3/16	23/32	3/4	93112
					1 13/64	1 1/4	93120
					1 11/16	1 3/4	93128
8E8	33/64	63/64	6	1/4	1 15/16	2	94132
10E6	41/64	63/64	9	3/16	23/32	3/4	93212
					31/32	1	93216
					1 13/64	1 1/4	93220
					1 29/64	1 1/2	93224
10E8	41/64	17/64	8	1/4	1 13/64	1 1/4	94220
					1 29/64	1 1/2	94224
					1 11/16	1 3/4	94228
					1 15/16	2	94232
11E5	45/64	63/64	12	5/32	31/32	1	99014
12E5	49/64	13/64	14	5/32	31/32	1	92316
12E6	49/64	17/64	11	3/16	23/32	3/4	93312
					53/64	7/8	93314
					31/32	1	93316
					1 13/64	1 1/4	93320
					1 29/64	1 1/2	93324
					1 11/16	1 3/4	93328
					1 15/16	2	93332
12E8	49/64	115/64	9	1/4	31/32	1	94316
					1 5/64	1 1/8	94318
					1 13/64	1 1/4	94320
					1 21/64	1 3/8	94322
					1 29/64	1 1/2	94324
					1 15/16	2	94332
					2 1/16	2 1/8	94334
12E10	49/64	123/64	7	5/16	61/64	1	95316
					1 29/64	1 1/2	95324
					1 15/16	2	95332
					2 7/16	2 1/2	95340
13E8	53/64	119/64	10	1/4	1 29/64	1 1/2	99000
14E6	57/64	115/64	12	3/16	1 13/64	1 1/4	93420
					1 29/64	1 1/2	93424
					1 11/16	1 3/4	93428
					2 3/16	2 1/4	93436
14E8	57/64	123/64	10	1/4	31/32	1	94416
					1 13/64	1 1/4	94420
					1 21/64	1 3/8	94422
					1 29/64	1 1/2	94424
					1 11/16	1 3/4	94428
					1 15/16	2	94432
					2 3/16	2 1/4	94436
14E10	57/64	131/64	8	5/16	61/64	1	95416
					1 29/64	1 1/2	95424
					1 15/16	2	95432
16E6	1 1/16	123/64	14	3/16	31/32	1	93516
					1 29/64	1 1/2	93524
					1 15/16	2	93532
					2 7/16	2 1/2	93540
16E8	1 1/64	131/64	11	1/4	1 5/64	1 1/8	94518
					1 29/64	1 1/2	94524
					1 37/64	1 5/8	94526
					1 11/16	1 3/4	94528
					1 15/16	2	94532
					2 7/16	2 1/2	94540
16EA8	1 1/64	131/64	13	1/4	31/32	1	94516
					1 13/64	1 1/4	94520
16EA10	1 1/64	139/64	10	5/16	1 13/64	1 1/4	95520
					1 15/16	2	95532
					2 7/16	2 1/2	95540
					2 57/64	3	95548
16E12	1 1/64	147/64	7	3/8	31/32	1	96516
					1 29/64	1 1/2	96524
					2 29/64	2 1/2	96540
					2 57/64	3	96548
18E6	1 9/64	131/64	15	3/16	31/32	1	93616
					1 29/64	1 1/2	93624
					1 11/16	1 3/4	93628
					1 15/16	2	93632
18E8	1 9/64	139/64	12	1/4	31/32	1	94616
					1 13/64	1 1/4	94620
					1 21/64	1 3/8	94622
					1 29/64	1 1/2	94624
					1 37/64	1 5/8	94626
					1 11/16	1 3/4	94628
					1 15/16	2	94632
18E10	1 9/64	147/64	9	5/16	1 3/8	1 7/16	95624
					1 15/16	2	95632
					2 3/16	2 1/4	95636
					2 7/16	2 1/2	95640
20E6	1 17/64	139/64	16	3/16	1 11/16	1 3/4	93728
20E8	1 17/64	147/64	13	1/4	23/32	3/4	94712
					31/32	1	94716
					1 13/64	1 1/4	94720
					1 29/64	1 1/2	94724
					1 37/64	1 5/8	94726
					1 41/64	1 11/16	94728
					1 15/16	2	94732
					2 3/16	2 1/4	94736
					2 7/16	2 1/2	94740
					2 29/32	3	94748
20EA10	1 17/64	155/64	10	5/16	61/64	1	95716
					1 29/64	1 1/2	95724
					1 15/16	2	95732
					2 7/16	2 1/2	95740
					2 57/64	3	95748
					2 57/64	3	99007X
20E12	1 17/64	163/64	9	3/8	1 59/64	2	96732
					2 27/64	2 1/2	96740
					2 7/8	3	96748
20EA14	1 9/32	27/64	8	7/16	1 5/64	1 1/8	RA99305
22E6	1 25/64	147/64	18	3/16	31/32	1	93816

IDENTIFICATION OF NDH HY-ROLL ROLLER ASSEMBLIES BY END RING NUMBERS – Continued

Ring No.	Diam. of Ring Inside	Diam. of Ring Outside	No. of Rollers	Diam. of Rollers	R.A. Actual Length	R.A. Operating Space	R.A. Part No.
22E8	1 25/64	1 55/64	14	1/4	1 13/64	1 1/4	94820
					1 11/16	1 3/4	94828
22E10	1 25/64	1 63/64	11	5/16	1 7/16	2 1/2	95840
					2 57/64	3	95848
23EA6	1 7/16	1 51/64	20	3/16	1 13/64	1 1/4	99037
24E8	1 33/64	1 63/64	15	1/4	23/32	1	94916
					1 13/64	1 1/4	94920
					1 15/16	2	94932
24E10	1 33/64	2 7/64	11	5/16	45/64	3/4	95912
					49/64	13/16	RA99206
					1 5/64	1 1/8	WRA99206
					1 13/64	1 1/4	95920
					1 11/16	1 3/4	95928
					1 15/16	2	95932
					2 7/16	2 1/2	95940
27E8	1 45/64	2 11/64	15	1/4	1 11/16	1 3/4	99096
28E8	1 49/64	2 15/64	18	1/4	1 15/64	1 1/8	99041
28E10	1 49/64	2 23/64	13	5/16	1 15/16	2	99039
28EB10	1 49/64	2 23/64	15	5/16	1 5/64	1 1/4	99048
					1 7/16	1 1/2	99029
					1 11/16	1 3/4	99042
28E12	1 25/32	2 31/64	11	3/8	57/64	15/16	RA99207
					1 9/64	1 3/16	WRA99207
28E16	1 49/64	2 47/64	9	1/2	1 5/16	1 3/8	RA99307
					1 15/16	2	99087
30E10	1 57/64	2 31/64	16	5/16	1 5/64	1 1/8	99040
32E6	2 1/64	2 23/64	26	3/16	1 5/64	1 1/8	99092
32E8	2 1/64	2 31/64	20	1/4	1 13/64	1 1/4	99059
					1 13/16	1 7/8	99078
32E12	2 1/64	2 47/64	13	3/8	61/64	1	RA99208
					1 5/16	1 3/8	WRA99208
34E8	2 9/64	2 39/64	18	1/4	1 7/16	1 1/2	99089
35E12	2 13/64	2 59/64	14	3/8	1 5/64	1 1/8	RA99209
					1 1/2	1 9/16	WRA99209
36EA8	2 17/64	2 47/64	17	1/4	61/64	1	99057
36E10	2 17/64	2 55/64	20	5/16	51/64	.844	99069
38E8	2 25/64	2 55/64	24	1/4	1 3/4	1 49/64	99094
38E12	2 13/32	3 7/64	15	3/8	15/32	1/2	SRA99210
					1 3/16	1 1/4	RA99210
					1 11/16	1 3/4	WRA99210
40E10	2 33/64	3 7/64	20	5/16	61/64	1	99070
					1 1/32	1 5/64	99093
42E8	2 41/64	3 7/64	20	1/4	1 7/16	1 1/2	99090
42E14	2 21/32	3 7/16	14	7/16	31/32	1	NRA99211
					1 1/4	1 5/16	RA99211
					1 3/4	1 13/16	WRA99211
43E10	2 45/64	3 19/64	22	5/16	1 13/64	1 1/4	99075
44E22	2 27/32	4 1/32	11	11/16	1 1/8	1 15/16	RA99311
46E16	2 29/32	3 55/64	14	1/2	1 17/64	1 5/16	SRA99212
					1 3/8	1 7/16	RA99212
					1 1/8	1 15/16	WRA99212
48E10	3 1/64	3 39/64	26	5/16	1 5/64	1 1/8	99084
48E12	3 1/64	3 47/64	22	3/8	1 13/16	1 7/8	99043
49EH12	3 5/64	3 51/64	18	3/8	1 13/64	1 1/4	99074
50E16	3 9/64	4 7/64	15	1/2	2	2 1/16	WRA99213
53E16	3 21/64	4 19/64	15	1/2	1 9/16	1 5/8	RA99214
					2 9/32	2 3/8	WRA99214
56E16	3 9/16	4 7/16	15	1/2	1 11/16	1 3/4	RA99215
					2 17/32	2 5/8	WRA99215
56EH28	3 39/64	5 9/64	11	7/8	2 7/32	2 5/16	RA99314
					2 7/16	2 1/2	MRA99314
57E10	3 37/64	4 11/64	28	5/16	1 3/16	1 7/32	99054
60E10	3 49/64	4 23/64	30	5/16	49/64	13/16	99079
60E18	3 49/64	4 55/64	16	9/16	1 3/4	1 13/16	RA99216
					2 35/64	2 5/8	WRA99216
62EH12	3 57/64	4 39/64	22	3/8	1 1/4	1 5/16	99063
64EH12	4 1/64	4 47/64	24	3/8	1 3/8	1 7/16	99060
64E20	4 5/64	5 11/64	15	5/8	1 7/8	1 15/16	RA99217
					2 21/32	2 3/4	WRA99217
66E10	4 9/64	4 47/64	32	5/16	57/64	15/16	99080
76EH24	4 27/32	6 5/32	15	3/4	2 7/32	2 5/16	RA99220
					3 9/64	3 1/4	WRA99220
84EH28	5 3/8	6 7/8	15	7/8	2 15/32	2 9/16	RA99222
					3 25/64	3 1/2	WRA99222
90EH30	5 47/64	7 25/64	15	15/16	2 23/32	2 13/16	RA99224
					3 3/4	3 7/8	WRA99224
92EH34	5 7/8	7 3/4	13	1 1/16	3 25/64	3 1/2	WRA99081
96EH24	6 3/32	7 13/32	19	3/4	4 23/32	4 7/8	SWRA99226
97EH32	6 3/16	7 15/16	15	1	3 1/64	3 1/8	RA99226
					4 7/64	4 1/4	WRA99226
106EH34	6 21/32	8 23/32	15	1 1/16	3 9/64	3 1/4	RA99228
					4 19/32	4 3/4	WRA99228
113EH38	7 13/64	9 19/64	15	1 3/16	3 25/64	3 1/2	RA99230
					4 39/64	4 3/4	WRA99230

IDENTIFICATION OF NDH HY-ROLL ROLLER ASSEMBLIES BY END RING NUMBERS – Continued

Ring No.	Diam. of Ring Inside	Diam. of Ring Outside	No. of Rollers	Diam. of Rollers	R.A. Actual Length	R.A. Operating Space	R.A. Part No.
122EH40	7 25/32	9 31/32	15	1 1/4	3 49/64	3 7/8	RA99232
					4 3/4	4 7/8	WRA99232
129EH44	8 15/64	10 41/64	15	1 3/8	4 39/64	4 3/4	SWRA99234
					5 1/4	5 3/8	WRA99234
135EAH44	8 41/64	11 3/64	16	1 3/8	5 45/64	5 7/8	WRA99236
148EH44	9 27/64	11 53/64	17	1 3/8	4 39/64	4 3/4	SRA99240
					6 43/64	6 7/8	SWRA99240
167EH44	10 5/8	13 1/64	18	1 3/8	5 7/32	5 3/8	AWRA99244
					6 45/64	6 7/8	SWRA99244
170EH38	10 49/64	12 55/64	22	1 3/16	4 3/8	4 1/2	SRA99148
176EH40	11 1/32	13 1/4	24	1 1/4	5 15/64	5 3/8	WRA99077
220EH44	12 35/64	14 61/64	22	1 3/8	4 7/8	5	SRA99156
1400	1 1/4	2 7/64	7	1/2	57/64	1	17900
1402	2 3/32	3 11/64	10	5/8	2 7/8	3	01201
					3 7/8	4	01203
					4 7/8	5	01204
1411	2	2 63/64	10	9/16	1 7/8	2	16842
1419	1 5/8	2 59/64	7	3/4	2 3/8	2 1/2	01120
					2 7/8	3	01295
1424	1 7/32	1 63/64	8	7/16	1 7/8	2	01078
					2 3/8	2 1/2	16959
					2 7/8	3	16845
					3 7/8	4	16896
1438	1 13/16	2 51/64	9	9/16	3 7/8	4	01190
1458	2 5/32	3 15/64	9	5/8	3 7/8	4	01208
					4 7/8	5	01081
1463	1 7/8	2 55/64	9	9/16	1 7/8	2	16857
					2 7/8	3	01090
					4 7/8	5	01093
1488	1 1/2	2 23/64	8	1/2	3 7/8	4	16894
1489	1 5/16	2 11/64	7	1/2	1 7/8	2	01079
					2 7/8	3	01085
1494	2 9/32	3 23/64	10	5/8	3 7/8	4	00159
2404	1 1/64	1 15/16	7	1/2	1 7/8	2	02156
2419	1 3/32	1 63/64	7	1/2	57/64	1	16992
					1 7/8	2	01156
					2 7/8	3	16810
					3 7/8	4	16833
2426	1 1/4	2 21/64	7	5/8	2 3/8	2 1/2	02016
7092	1 9/16	2 7/16	12	1/2	57/64	15/16	NRA306
					1 1/8	15/16	RA306
7123	1 13/16	2 11/16	13	1/2	1 5/16	1 3/8	RA307
7124	2 1/16	3 1/16	14	9/16	1 3/16	1 1/4	NRA308
					1 3/8	1 7/16	RA308
7130	2 3/64	2 45/64	19	3/8	31/32	1	RA208
					1 5/16	1 3/8	WRA208
7140	1 15/16	2 15/16	13	9/16	2 7/8	3	00506
7147	2 27/64	3 5/64	22	3/8	1 3/16	1 1/4	RA210
					1 11/16	1 3/4	WRA210
7180	3 3/8	4 1/4	23	1/2	1 35/64	1 5/8	RA214
					2 9/32	2 3/8	WRA214
7199	1 51/64	2 29/64	17	3/8	57/64	15/16	RA207
					1 1/8	1 3/16	WRA207
7200	1 29/64	2 7/16	10	9/16	1 1/8	1 3/16	SRA405
7201	2 15/64	2 5/64	20	3/8	1 5/64	1 1/8	RA209
					1 1/2	1 9/16	WRA209
7203	1 3/16	2 1/16	9	1/2	1 5/64	1 1/8	SRA404
7363H	6 3/16	7 15/16	21	1	3 1/64	3 1/8	RA226
					4 7/64	4 1/4	WRA226
7386	1 11/16	2 11/16	12	9/16	31/32	1	ARA406
					1 5/16	1 3/8	SRA406
7579	5 9/32	6 7/32	28	1/2	1 25/64	1 1/2	16844
7584	1 9/16	2 35/64	8	9/16	3 55/64	4	01179
7597	1 3/4	2 47/64	8	9/16	2 55/64	3	01105
					3 55/64	4	16868
7675	13/32	11/16	6	5/32	3/8	7/16	A99058
7677	2 15/16	3 13/16	20	1/2	1 3/8	1 7/16	RA212
					1 7/8	1 15/16	WRA212
7679H	10 25/32	12 27/32	30	1 3/16	4 3/8	4 1/2	SRA148
7684	3 13/16	4 51/64	23	9/16	1 3/4	1 13/16	RA216
					2 35/64	2 5/8	WRA216
7685	3 9/16	4 7/16	24	1/2	1 11/16	1 3/4	RA215
					2 9/16	2 5/8	WRA215
7691	3 3/16	4 1/16	22	1/2	1 7/16	1 1/2	RA213
					2	2 1/16	WRA213
7693	4 5/64	5 11/64	22	5/8	1 7/8	1 15/16	RA217
					2 41/64	2 3/4	WRA217
7701	1 17/64	1 63/64	9	3/8	2 55/64	3	16907
7704H	5 23/64	6 57/64	21	7/8	2 15/32	2 9/16	RA222
					3 25/64	3 1/2	WRA222

IDENTIFICATION OF NDH HY-ROLL ROLLER ASSEMBLIES BY END RING NUMBERS – Continued

Ring No.	Diam. of Ring Inside	Diam. of Ring Outside	No. of Rollers	Diam. of Rollers	R.A. Actual Length	R.A. Operating Space	R.A. Part No.
7709H	5 3/4	7 3/8	21	15/16	2 45/64	2 13/16	RA224
					3 1/4	3 7/8	WRA224
7711H	6 49/64	8 39/64	22	1 1/16	3 9/64	3 1/4	RA228
					4 19/32	4 3/4	WRA228
7712H	7 1/32	9 9/32	21	1 3/16	3 25/64	3 1/2	RA230
					4 19/32	4 3/4	WRA230
7714H	2 5/8	4 1/4	11	15/16	4 55/64	5	00511
					5 25/32	6	00545
7719	1 5/16	2 5/64	11	7/16	1 5/64	1 1/8	RA305
					2 55/64	3	00540
7720	2 21/32	3 7/16	21	7/16	1 1/4	1 5/16	RA211
					1 3/4	1 13/16	WRA211
7722	1 9/32	2 15/64	8	1/2	1 55/64	2	01173
					2 23/64	2 1/2	01084
					2 55/64	3	16963
					3 55/64	4	16989
7730H	3	4 13/32	12	15/16	5 25/32	6	00547
7731	1 1/32	1 47/64	7	3/8	1 55/64	2	16962
					2 55/64	3	16984
					3 55/64	4	01165
7736H	6 3/32	7 13/32	27	3/4	3 3/4	3 7/8	MWRA226
					4 23/32	4 7/8	SWRA226
7739H	6 3/4	9 3/8	16	1 1/2	4 15/64	4 3/8	RA326
7753	2 7/32	3 1/16	7	7/8	4 25/32	5	04322
7754H	12 9/16	14 61/64	30	1 3/8	4 55/64	5	SRA156
7758H	10 5/8	13 1/64	26	1 3/8	5 7/32	5 3/8	AWRA244
					6 45/64	6 7/8	SWRA244
7763H	8 41/64	11 3/64	22	1 3/8	5 45/64	5 7/8	WRA236
7764	2 13/32	3 59/64	8	7/8	2 25/32	3	04327
					4 25/32	5	46905
7768	2 15/32	3 63/64	8	7/8	2 25/32	3	04334
7777	2 21/64	3 27/64	14	5/8	1 1/64	1 5/16	NRA309
					1 1/2	1 9/16	RA309
7782	2 19/32	3 25/32	14	11/16	1 3/8	1 1/16	NRA310
					1 11/16	1 3/4	RA310
7785	2 23/32	4 23/64	8	15/16	2 55/64	3	46904
					3 25/32	4	04010
					6 25/32	7	04030
7787	1 21/32	2 39/64	8	9/16	1 55/64	2	16873
					2 23/64	2 1/2	17926
					2 55/64	3	01075
					3 55/64	4	01087
					4 55/64	5	01183
7790H	7 25/32	9 31/32	21	1 1/4	3 3/4	3 7/8	RA232
					4 1/4	4 7/8	WRA232
7794H	5 11/16	8 1/16	15	1 3/8	3 3/8	3 3/4	RA322
					3 33/64	3 5/8	MRA322
7795H	6 15/64	8 41/64	16	1 3/8	4	4 1/4	RA324
7800	3	4 39/64	9	15/16	1 23/64	1 1/2	47575
					2 25/32	3	04099
7808	3 1/4	4 63/64	9	1	3 25/32	4	04003
					4 25/32	5	04362
7809	3 3/32	4 13/32	15	3/4	2	2 1/16	RA312
					2 3/64	2 1/8	MRA312
7810	3 3/8	5 1/8	13	1	3 23/64	3 1/2	00513
7844H	4 11/16	6 13/16	14	1 1/4	3 13/16	4	00417
					4 13/16	5	00418
					5 13/16	6	00419
					6 13/16	7	00420
7852	1 11/16	2 63/64	7	3/4	3 25/32	4	04015
7853	31/64	49/64	9	5/32	57/64	15/16	99076
7855H	9 27/64	11 13/16	24	1 3/8	4 39/64	4 3/4	SRA240
					6 11/16	6 7/8	SWRA240
7856H	8 15/64	10 41/64	21	1 3/8	4 39/64	4 3/4	SWRA234
					5 7/32	5 3/8	WRA234
7857H	3 1/4	4 63/64	12	1	5 25/32	6	00544
					6 13/16	7	00546
7858	1 25/32	2 63/64	7	11/16	3 51/64	4	46979
7863	2	2 7/8	15	1/2	1 5/64	1 1/8	SRA209
7872	2 1/16	3 23/64	8	3/4	1 7/64	1 1/4	47591
7873H	7 11/64	9 9/16	18	1 3/8	6 51/64	7	00507
7874	1 9/16	2 35/64	7	9/16	2 9/32	2 1/2	46853
7876H	4 1/8	6 1/8	14	1 1/8	3 51/64	4	00398
					4 51/64	5	00376
					5 51/64	6	00400
					6 51/64	7	00401
7877H	5 1/8	7 3/8	15	1 1/4	3 51/64	4	00429
					4 51/64	5	00430
					5 51/64	6	00431
					6 51/64	7	00432
7878H	3 5/8	5 5/8	12	1 1/8	3 51/64	4	00386
					4 51/64	5	00387
					6 51/64	7	00389
7879H	6 1/8	8 3/8	18	1 1/4	4 51/64	5	00490
					5 51/64	6	00491
					6 51/64	7	00492
7880H	5 1/8	8 1/8	17	1 1/4	3 51/64	4	00495
					4 51/64	5	00496
					6 51/64	7	00498
7881H	2 3/8	4	10	15/16	1 27/32	1 15/16	RA409

IDENTIFICATION OF NDH HY-ROLL ROLLER ASSEMBLIES BY END RING NUMBERS – Continued

Ring No.	Diam. of Ring Inside	Diam. of Ring Outside	No. of Rollers	Diam. of Rollers	R.A. Actual Length	R.A. Operating Space	R.A. Part No.
7882H	4 3/8	6 1/8	16	1	2 41/64 2 49/64	2 3/4 2 7/8	RA317 MRA317
7884	2 27/32	4 1/32	15	11/16	1 7/8	1 15/16	RA311
7888	3 23/64	4 49/64	15	13/16	2 1/8 2 1/4	2 3/16 2 5/16	RA313 MRA313
7889H	3 39/64	5 59/64	15	7/8	2 13/32 2 13/64	2 1/2 2 5/16	MRA314 RA314
7891H	4 1/8	5 7/8	15	1	2 15/32 2 37/64	2 9/16 2 11/16	RA316 MRA316
7893H	4 11/32	5 17/32	22	11/16	1 31/32 2 23/32	2 1/16 2 13/16	RA218 WRA218
7894H	4 41/64	6 31/32	16	1 1/16	2 57/64	3	RA318
7895H	4 19/32	5 29/32	21	3/4	2 3/32 2 57/64	2 3/16 3	RA219 WRA219
7896H	3 7/8	5 1/2	15	15/16	2 23/64 2 37/64	2 7/16 2 11/16	RA315 MRA315
7897H	4 27/32	6 5/32	22	3/4	2 13/64 3 1/8	2 5/16 3 1/4	RA220 WRA220
7898H	4 57/64	6 55/64	16	1 1/8	2 61/64 3	3 1/16 3 1/8	MRA319 RA319
7899H	5 5/32	7 11/32	15	1 1/4	3 1/8	3 1/4	RA320

TABLE VIII
IDENTIFICATION OF NDH HY-ROLL SOLID RINGS BY DIMENSIONS

Although every NDH Hy-Roll Solid Ring is stamped with the proper part number, it may sometimes be necessary to verify the part number by checking it against the dimensions of the ring.

Table VIII gives the dimensions and descriptions of all NDH Hy-Roll cylindrical solid rings, except Metric Hy-Roll, according to the outside diameter.

The part numbers beginning with Symbol "IR", and all numbers in the 30000 and 32000 series are inner rings. All part numbers beginning with Symbol "OR", and all numbers in the 31000, 33000 and 35000 series are outer rings.

Key to Symbols Used

I.C. — Inside Chamfer

O.C. — Outside Chamfer (2-O.C. — Two outside chamfers)

1-H — One Hole (2-H — Two Holes)

1-N — One Notch (2-N — Two Notches)

1-L — One Lug

1-RH — One Rivet Hole

1-O.D.Gr. — One Groove on outside diameter

I.R.— Inside Radius

1-BH — One Blind Hole

On all rings, edges are slightly rounded; only heavy chamfers are indicated by I.C. or O. C. in the descriptive column.

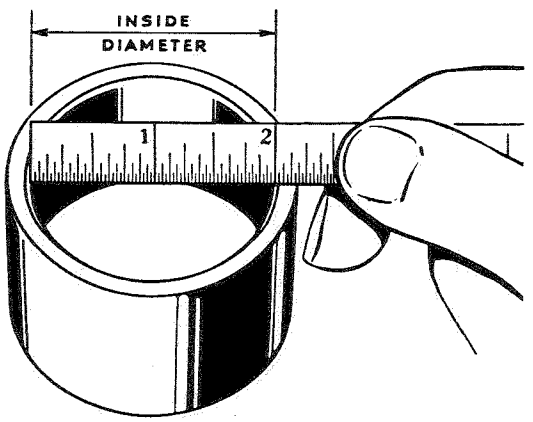


Fig. 8

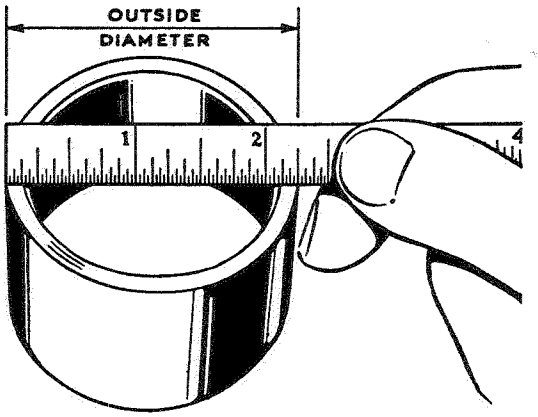


Fig. 9

Measurement of solid inner ring inside and outside diameters. A solid inner ring of the simplest form with one heavy inside chamfer, all corners slightly rounded. Solid inner rings are made up with a variety of chamfers, holes, notches, lugs, etc., as described in following table, column 4.

Inside and outside diameters of solid outer ring measured the same way.

TABLE VIII
IDENTIFICATION OF NDH HY-ROLL SOLID RINGS BY DIMENSIONS

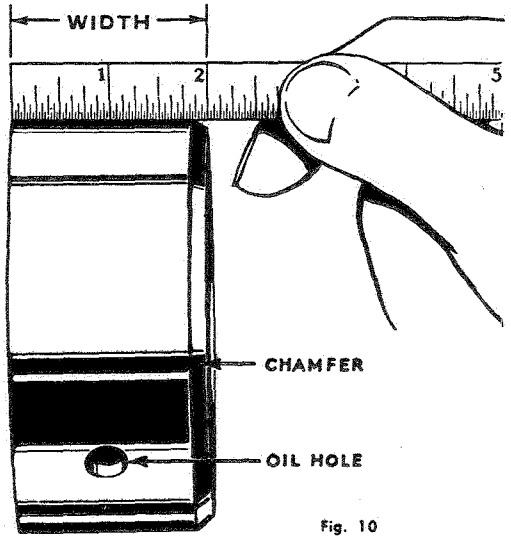


Fig. 10

Measuring the width of solid outer ring. A solid outer ring with one heavy outside chamfer and two holes on center line diametrically opposite. Outer rings are made up with a variety of chamfers, holes, grooves, etc., as described in following table, column 4.

Width of solid inner ring measured the same way.

TABLE VIII

Diameter				Part	Diameter				Part
Outside	Inside	Width	Description	Number	Outside	Inside	Width	Description	Number
15/16	13/16	3/4	. . . . .	35158	1 15/16	1 5/8	1 3/4	O.C.	31067
					1 15/16	1 5/8	1 3/4	O.C.	31073
1	3/4	2	I.C.	32002					
					2	1 1/2	2 1/2	I.C., 1-N .	30396
1 3/16	1	1	1-H	31250	2	1 9/16	2 1/2	I.C., 1-N .	30429
					2	1.5748	1	I.C.	IR208
1 1/4	.9843	1 1/8	I.C.	IR305	2	1.5748	1 3/8	I.C.	WIR208
1 1/4	1	1 5/8	I.C.	30036	2	1.5748	1 7/16	I.C.	IR308
					2	1 5/8	2 3/4	I.C., 1-N .	30385
1 5/16	1 1/8	3/4	1-H	31041	2	1 3/4	1 5/8	O.C., 1-H.	31036
1 5/16	1 1/8	7/8	1-H	31039	2	1 3/4	2 1/2	O.C., 1-H.	31043
1 5/16	1 1/8	1	1-H	31253					
1 5/16	1 1/8	1 1/2	1-H	31254	2 1/32	1 3/4	1 1/64	1-H	30037
1 3/8	.9843	1 3/16	I.C.	IR405	2.0472	1 3/4	1	O.C., 2-H.	OR304
1 1/2	1.1811	13/16	I.C.	IR206					
1 1/2	1.1811	15/16	I.C.	NIR306	2 3/16	1.6910	1 13/16	I.C., 2-N .	30057
1 1/2	1.1811	1 3/16	I.C.	IR306	2 3/16	1.7717	1 1/8	I.C.	IR209
1 1/2	1 1/8	2 1/2	I.C., 1-N .	30379	2 3/16	1.7717	1 9/16	I.C.	WIR209
1 1/2	1 3/16	1 1/4	2 N., I.R.	30452	2 3/16	1.7717	1 9/16	I.C., 1-H .	SWIRA209
1 1/2	1 3/16	2 1/2	I.C., 1-N .	30423					
1 1/2	1 3/16	2 1/2	. . . . .	30060	2 1/4	1 3/4	2 3/4	I.C., 1-N .	30397
					2 1/4	1.7717	1 9/16	I.C.	IR309
1 9/16	1 3/8	1	1-H	31275	2 1/4	1 7/8	2 3/4	I.C., 1-N. .	30381
1 9/16	1 3/8	1 1/2	1-H	31256	2 1/4	2	1	O.C., 2-H.	33001
1 9/16	1 3/8	2	1-H	31257	2 1/4	2	1 1/4	O.C., 2-H.	31128
					2 3/8	1 29/32	2 7/16	I.C.	30433
1 5/8	1.1811	1 3/8	I.C.	IR406	2 3/8	1 15/16	2	I.C., 2-N .	30412
					2 3/8	1.9410	2	I.C., 2-N .	30058
1 11/16	1 1/2	1	1-H	31262	2 3/8	1.8754	3	I.C.	AWIR210
					2 3/8	1.9685	1 1/4	I.C.	IR210
1 3/4	1 1/4	2 1/2	I.C., 1-N .	30395	2 3/8	1.9685	1 3/4	I.C.	WIR210
1 3/4	1 3/8	1 7/8	I.C.	30067	2 3/8	1.9685	3 1/2	I.C.	DIR210
1 3/4	1 3/8	2 1/2	I.C., 1-N .	30335	2 3/8	2 1/8	1	O.C., 2-H.	33003
1 3/4	1 3/8	2 1/2	1-N	30062	2 3/8	2 1/8	1 3/4	O.C., 2-H.	31045
1 3/4	1.3780	15/16	I.C.	IR207					
1 3/4	1.3780	1 3/16	I.C.	WIR207	2.4409	2 1/8	13/16	O.C., 2-H.	OR206
1 3/4	1.3780	1 3/8	I.C.	IR307	2.4409	2 1/8	1 1/8	O.C., 2-H.	OR305
1 3/4	1 7/16	1 7/16	I.C., 2-N .	30413	2.4609	2 1/8	1 1/8	O.C.	SOR305
1 3/4	1 1/2	1	I.H.	31048					
					2 1/2	1 15/16	3	I.C., 1-N .	30404
1 49/64	1 1/2	1 25/64	I.H.	30066	2 1/2	1.9685	1 3/4	I.C.	IR310
					2 1/2	2	3	I.C., 1-N .	30386
1 27/32	1 5/16	11/16	O.C.	30069	2 1/2	2.1687	1 1/8	I.C., 2-H .	30091
1 7/8	1 1/2	1 5/8	I.C., O.C., 1-H. . .	32063	2 5/8	2.1654	1 5/16	I.C.	IR211
1 7/8	1 5/8	1	O.C., 2-H.	35148	2 5/8	2.1654	1 13/16	I.C.	WIR211

IDENTIFICATION OF NDH HY-ROLL SOLID RINGS BY DIMENSIONS–Continued

Diameter		Width	Description	Part Number
Outside	Inside			
2 5/8	2.1654	3 5/8	I.C.	DIR211
2 5/8	2 3/16	2 1/8	I.C., 2-N .	30417
2 5/8	2 1/4	1 13/16	I.C.	MWIR211
2 11/16	2.3622	2 1/2	2-I.C. . . .	30071
2 11/16	2.3622	3	2-I.C. . . .	30089
2 3/4	2.1654	1 15/16	I.C.	IR311
2 3/4	2 1/4	3	I.C., 1-N .	30391
2 3/4	2 1/4	3 3/8	I.C., O.C., 1-H	32074
2.8346	2 1/2	15/16	O.C., 2-H.	OR207
2.8346	2 1/2	1 3/16	O.C., 2-H.	OR306
2.8346	2 1/2	1 7/8	O.C., 2-H.	SDOR207
2 7/8	2 1/4	3 1/2	I.C., 1-N .	30415
2 7/8	2 5/16	2 1/4	I.C., 2-N .	30419
2 7/8	2.3622	1 7/16	I.C.	IR212
2 7/8	2.3622	1 15/16	I.C.	WIR212
2 7/8	2.3622	2 11/16	I.C., 1-H .	AWIR212
2 7/8	2.3622	3 7/8	I.C.	DIR212
2 7/8	2 3/8	2 1/4	I.C., 2-N .	30087
3	2.3622	2 1/16	I.C.	IR312
3	2.3622	2 1/8	I.C.	MIR312
3	2 1/2	3 1/2	I.C., 1-N .	30392
3	2 5/8	2	1-H	35053
3.0532	2.3622	2 7/16	I.R., O.C.	30083
3.0607	2.6470	2 1/2	2-I.C. . . .	30070
3.0607	2.6470	2 25/32	2-I.C. . . .	30088
3 1/8	2 7/16	2 3/8	I.C., 2-N .	30408
3 1/8	2 1/2	3 1/2	I.C., 1-N .	30416
3 1/8	2.5591	1 1/2	I.C.	IR213
3 1/8	2.5591	2 1/16	I.C.	WIR213
3 1/8	2.5591	4 1/8	I.C.	DIR213
3 1/8	2 11/16	2 3/8	I.C., 2-N .	30421
3.1496	2 3/4	1	O.C., 2-H.	OR208
3.1496	2 3/4	1 3/8	O.C., 2-H.	OR307
3 1/4	2.5591	2 3/16	I.C.	IR313
3 1/4	2.5591	2 5/16	I.C.	MIR313
3 1/4	2 3/4	3 1/2	I.C., 1-N .	30393
3 5/16	2.7559	1 5/8	I.C.	IR214
3 5/16	2.7559	2 3/8	I.C.	WIR214
3 5/16	2.7559	2 3/8	I.C., 1-H .	SWIR214
3 5/16	2.7559	4 3/4	I.C.	DIR214
3.3465	2 15/16	1 1/8	O.C., 2-H.	OR209
3.3465	2 15/16	1 9/16	O.C., 2-H.	WOR209
3 1/2	2.7559	2 5/16	I.C.	IR314
3 1/2	2.7559	2 1/2	I.C.	MIR314
3 1/2	2 15/16	2 15/16	I.C., 2-N .	30406
3 1/2	2 15/16	5 1/4	2-H., 2-N .	30436
3 1/2	2.9528	1 3/4	I.C.	IR215
3 1/2	2.9528	2 5/8	I.C.	WIR215
3 1/2	2.9528	5 1/4	I.C.	DIR215
3 1/2	2.9993	2 5/8	I.C.	MWIR215
3 1/2	3	3 3/8	I.C., 1-N .	30394
3 1/2	3	5 3/8	I.C., O.C., 1-H	30243
3.5433	3 1/8	.6580	O.C.	SOR210
3.5433	3 1/8	1 1/4	O.C., 2-H.	OR210
3.5433	3 1/8	1 7/16	O.C., 2-H.	OR308
3.5433	3 1/8	1 3/4	O.C., 2-H.	WOR210
3.5433	3 1/8	3 1/2	O.C., 2-H.	DOR210
3.5433	3 1/8	3 13/16	1-H	31040
3 9/16	3 1/8	2 1/2	2-I.C. . . .	30074
3 5/8	3 1/4	1 1/4	O.C., 2-H.	33013
3 3/4	2.9528	2 7/16	I.C.	IR315
3 3/4	2.9528	2 11/16	I.C.	MIR315
3 3/4	3.1496	1 13/16	I.C.	IR216
3 3/4	3.1496	2 5/8	I.C.	WIR216
3 3/4	3.1496	2 5/8	I.C. 1-H .	SWIR216
3 3/4	3.1496	3 1/2	I.C., 1-H .	AWIR216
3 3/4	3.1496	5 1/4	I.C.	DIR216
3 3/4	3 1/4	3 3/8	I.C., 1-N .	30398
3 3/4	3 3/8	1 1/4	O.C., 2-H.	33015
3 7/8	3 1/4	2 7/8	2-I.C. . . .	30072
3.9370	3 1/2	1 5/16	O.C., 2-H.	OR211
3.9370	3 1/2	1 9/16	O.C., 2-H.	OR309
3.9370	3 1/2	1 13/16	O.C., 2-H.	WOR211
3.9370	3 1/2	3 5/8	O.C., 2-H.	DOR211
4	3.1496	2 9/16	I.C.	IR316
4	3.1496	2 11/16	I.C.	MIR316
4	3.3465	1 15/16	I.C.	IR217
4	3.3465	2 3/4	I.C.	WIR217
4	3.3465	5 1/2	I.C.	DIR217
4	3 1/2	2 7/8	2-I.C. . . .	30073
4	3 1/2	3 3/8	I.C., 1-N .	30399
4	3 1/2	4 3/8	I.C., O.C., 1-H	30215
4	3 1/2	6 3/8	I.C., O.C., 1-H . . .	30248
4 1/4	3.3465	2 3/4	I.C.	IR317
4 1/4	3.3465	2 7/8	I.C.	MIR317
4 1/4	3 7/16	3 1/8	I.C., 2-N .	30407
4 1/4	3.5433	2 1/16	I.C.	IR218
4 1/4	3.5433	2 13/16	I.C.	WIR218
4 1/4	3.5433	5 5/8	I.C.	DIR218
4 1/4	3 3/4	4 3/8	I.C., 1-N .	30400
4 1/4	3 7/8	1 3/8	O.C., 2-H.	33019
4.3307	3 7/8	1 7/16	O.C., 2-H.	OR212
4.3307	3 7/8	1 3/4	O.C., 2-H.	OR310
4.3307	3 7/8	1 15/16	O.C., 2-H.	WOR212
4.3307	3 7/8	3 7/8	O.C., 2-H.	DOR212
4 1/2	3.5433	3	I.C.	IR318
4 1/2	3.7402	2 3/16	I.C.	IR219
4 1/2	3.7402	3	I.C.	WIR219
4 1/2	3.7402	6	I.C.	DIR219
4 1/2	4	4 3/8	I.C., O.C., 1-H . . .	30250
4 1/2	4	6 3/8	I.C., O.C., 1-H . . .	30252
4 1/2	4	7 3/8	I.C., O.C., 1-H . . .	30253
4.7244	4 1/8	1 1/2	O.C., 2-H.	OR213
4.7244	4 1/8	1 15/16	O.C., 2-H.	OR311
4.7244	4 1/8	2 1/16	O.C., 2-H.	WOR213
4.7244	4 1/8	4 1/8	O.C., 2-H.	DOR213
4 3/4	3.7402	3 1/16	I.C.	MIR319
4 3/4	3.7402	3 1/8	I.C.	IR319
4 3/4	3.9370	2 5/16	I.C.	IR220
4 3/4	3.9370	3 1/4	I.C.	WIR220
4 3/4	3.9370	6 1/2	I.C.	DIR220
4 3/4	3.9370	3 5/8	I.C., 2-N .	30409
4 3/4	3.9990	3 1/4	I.C.	MWIR220
4 3/4	4	4 3/8	I.C., 1-N .	30401
4.9213	4 5/16	1 5/8	O.C., 2-H.	OR214
4.9213	4 5/16	2 3/8	O.C., 2-H.	WOR214
4.9213	4 5/16	4 3/4	O.C., 2-H.	DOR214
5	3.9370	3 1/4	I.C.	IR320
5	4 5/8	3	O.C., 2-H.	33026
5.1181	4 1/2	1 3/4	O.C., 2-H.	OR215
5.1181	4 1/2	2 1/16	O.C., 2-H.	OR312

IDENTIFICATION OF NDH HY-ROLL SOLID RINGS BY DIMENSIONS-Continued

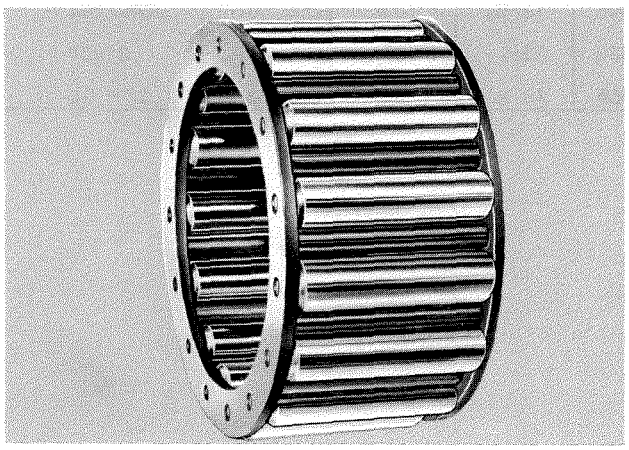
Diameter					Diameter				
Outside	Inside	Width	Description	Part Number	Outside	Inside	Width	Description	Part Number
5.1181	4 1/2	2 1/8	O.C., 2-H.	MOR312	7.0866	6 1/4	2 7/8	O.C., 2-H.	MOR317
5.1181	4 1/2	2 5/8	O.C., 2-H.	WOR215	7.0866	6 1/4	3 1/4	O.C., 2-H.	WOR220
5.1181	4 1/2	5 1/4	O.C., 2-H.	DOR215	7.0866	6 1/4	6 1/2	O.C., 2-H.	DOR220
5 1/4	4.3307	2 9/16	I.C.	IR222	7.4803	6 5/8	3	O.C., 2-H.	OR318
5 1/4	4.3307	3 1/2	I.C.	WIR222					
5 1/4	4.3307	7	I.C.	DIR222	7 5/8	6.2992	3 7/8	I.C.	IR232
5 1/4	4 7/16	3 7/8	I.C., 2-N .	30410	7 5/8	6.2992	4 7/8	I.C.	WIR232
5 1/4	4 1/2	4 3/8	I.C., 1-N .	30402	7 5/8	6.2992	9 3/4	I.C.	DIR232
					7 5/8	6 7/16	5 1/2	I.C., 1-N .	30426
5 1/2	4.3307	3 5/8	I.C.	MIR322	7 5/8	6 7/16	5 1/2	I.C.	30075
5 1/2	4.3307	3 3/4	I.C.	IR322	7 5/8	6 7/16	5 1/2	I.C.	30096
5.5118	4 7/8	1 13/16	O.C., 2-H.	OR216	7.8740	7	2 9/16	O.C., 2-H.	OR222
5.5118	4 7/8	2 3/16	O.C., 2-H.	OR313	7.8740	7	3 1/16	O.C., 2-H.	MOR319
5.5118	4 7/8	2 5/16	O.C., 2-H.	MOR313	7.8740	7	3 1/8	O.C., 2-H.	OR319
5.5118	4 7/8	2 5/8	O.C., 2-H.	WOR216	7.8740	7	3 1/2	O.C., 2-H.	WOR222
5.5118	4 7/8	5 1/4	O.C., 2-H.	DOR216	7.8740	7	7	O.C., 2-H.	DOR222
5 5/8	4.7244	2 13/16	I.C.	IR224	8 1/16	6.6929	5 3/8	I.C.	WIR234
5 5/8	4.7244	3 1/8	I.C.	WIR224	8 1/16	6.6929	9 1/2	I.R.	SDIR234
5 5/8	4.7244	7 3/4	I.C.	DIR224	8 1/16	6.6929	10 3/4	I.C.	DIR234
5 5/8	5 1/4	3 1/2	O.C., 2-H.	33030					
5 5/8	4.7244	3 7/8	I.C.	SWIR224	8.4646	7 1/2	2 13/16	O.C., 2-H.	OR224
					8.4646	7 1/2	3 1/4	O.C., 2-H.	OR320
5 3/4	5	4 3/8	I.C., O.C., 1-H . . .	30261	8.4646	7 1/2	3 7/8	O.C., 2-H.	WOR224
					8.4646	7 1/2	4 7/8	O.C., 2-H.	SWOR226
5 3/4	5	7 3/8	I.C., O.C., 1-H . . .	30306	8.4646	7 1/2	7 3/4	O.C., 2-H.	DOR224
					8.4646	7 1/2	9 3/4	O.C., 2-H.	SDOR226
5.9055	5 1/4	1 15/16	O.C., 2-H.	OR217	8 15/32	6 15/32	6 1/2	I.C.	30090
5.9055	5 1/4	2 5/16	O.C., 2-H.	OR314	8 15/32	6 15/16	6 1/2	I.C., 1-N .	30427
5.9055	5 1/4	2 1/2	O.C., 2-H.	MOR314	8 15/32	7.0866	5 7/8	I.C.	WIR236
5.9055	5 1/4	2 3/4	O.C., 2-H.	WOR217					
5.9055	5 1/4	5 1/2	O.C., 2-H.	DOR217	8 5/8	7 7/8	7	2-O.C., 2-H	31068
6	5	4 7/8	I.C., 1-N .	TMIR226	9.0551	8 1/16	3 1/8	O.C., 2-H.	OR226
6	5.1181	4 7/8	I.C.	SWIR226	9.0551	8 1/16	4 1/4	O.C., 2-H.	WOR226
6	5.1181	9 3/4	I.C.	SDIR226	9.0551	8 1/16	8 1/2	O.C., 2-H.	DOR226
6 1/16	4.7244	4 1/8	I.C.	IR324	9 1/4	7 1/2	7 1/2	I.C., 1-N .	30428
6 1/16	4 15/16	4 5/8	I.C., 2-N .	30414	9 1/4	7.8740	4 3/4	I.C.	SIR240
6 1/16	5.1181	3 1/8	I.C.	IR226	9 1/4	7.8740	6 7/8	I.C.	SWIR240
6 1/16	5.1181	4 1/4	I.C.	WIR226	9 1/4	7.8740	9 1/2	I.C.	SDIRA240
6 1/16	5.1181	8 1/2	I.C.	DIR226					
					9.4488	8 1/4	3 5/8	O.C., 2-H.	MOR322
6.2992	5 5/8	2 7/16	O.C., 2-H.	OR315	9.4488	8 1/4	3 3/4	O.C., 2-H.	OR322
6.2992	5 5/8	2 11/16	O.C., 2-H.	MOR315					
6.2992	5 5/8	2 1/16	O.C., 2-H.	OR218	9.8425	8 3/4	3 1/4	O.C., 2-H.	OR228
6.2992	5 5/8	2 13/16	O.C., 2-H.	WOR218	9.8425	8 3/4	4 3/4	O.C., 2-H.	WOR228
6.2992	5 5/8	5 5/8	O.C., 2-H.	DOR218	9.8425	8 3/4	9 1/2	O.C., 2-H.	DOR228
6 9/16	5.1181	4 3/8	I.C.	IR326	9.9914	8 5/8	6 1/2	2-O.C., 1-N . . .	30079
6 5/8	5.5118	9 1/2	I.R.	DIRA228					
6 5/8	5 7/16	5 1/8	I.C., 2-N .	30411	10.2362	8 13/16	4 1/8	O.C., 2-H.	OR324
6 5/8	5.5118	3 1/4	I.C.	IR228					
6 5/8	5.5118	4 3/4	I.C.	WIR228	10 7/16	8.6614	6 7/8	I.C.	SWIR244
6 5/8	5.5118	9 1/2	I.C.	DIR228	10 7/16	8.6614	10 3/4	I.R.	DIRA244
6 5/8	5 1/2	5 1/8	I.C., 2-N .	30097	10 7/16	8.6616	6 7/8	I.R.	AWIR244
6.6929	6	2 3/16	O.C., 2-H.	OR219	10 5/8	9.4488	4 1/2	I.C.	SIR148
6.6929	6	2 9/16	O.C., 2-H.	OR316					
6.6929	6	2 11/16	O.C., 2-H.	MOR316	10.6299	9 7/16	3 1/2	O.C., 2-H.	OR230
6.6929	6	3	O.C., 2-H.	WOR219	10.6299	9 7/16	4 3/4	O.C., 2-H.	WOR230
6.6929	6	6	O.C., 2-H.	DOR219					
					11	9.4881	10 3/4	O.C., I.R.	30078
6 3/4	6 1/4	1 1/2	I.C., O.C., 1-H . . .	31035	11.0236	9 9/16	4 3/8	O.C., 2-H.	OR326
7 1/16	5.9055	3 1/2	I.C.	IR230	11.4173	10 1/8	3 7/8	O.C., 2-H.	OR232
7 1/16	5.9055	4 3/4	I.C.	WIR230	11.4173	10 1/8	4 7/8	O.C., 2-H.	WOR232
7 1/16	5 15/16	5 3/8	I.C., 1-N, .	30425	11.4173	10 1/8	9 3/4	O.C., 2-H.	DOR232
7 1/16	5.9977	4 3/4	I.C.	MWIR230					
					12.2047	10 13/16	5 3/8	O.C., 2-H.	WOR234
7.0866	6 1/4	2 5/16	O.C., 2-H.	OR220	12.2047	10 13/16	9 1/2	O.C., 2-H.	SDOR234
7.0866	6 1/4	2 3/4	O.C., 2-H.	OR317	12.2047	10 13/16	10 3/4	O.C., 2-H.	DOR234

IDENTIFICATION OF NDH HY-ROLL SOLID RINGS BY DIMENSIONS–Continued

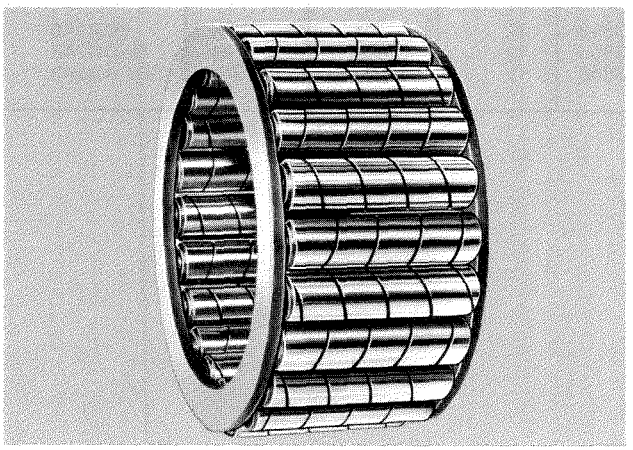
Diameter		Width	Description	Part Number
Outside	Inside			
12 3/8	11.0236	5	I.C.	**SIR156**
12.5984	11 7/32	5 7/8	O.C., 2-H.	**WOR236**
13.3858	12	4 3/4	O.C., 2-H.	**SOR240**
13.3858	12	6 7/8	O.C., 2-H.	**SWOR240**
13.3858	12	9 1/2	O.C., 2-H.	**SDORA240**
14.1732	13	4 1/2	O.C., 2-H.	**SOR148**
14.9606	13 13/64	6 7/8	O.C., 2-H.	**SWOR244**
14.9606	13 13/64	10 3/4	O.C., 2-H.	**DORA244**
14.9630	13 1/2	10 3/4	O.C., 2-H.	**31034**
16.5354	15 1/8	5	O.C., 2-H.	**SOR156**

TABLE IX
LIST OF INTERCHANGEABLE WOUND AND SOLID ROLLER NDH HY-ROLL ROLLER ASSEMBLIES

Substitute solid roller assemblies for wound roller assemblies wherever possible. Table listing all interchangeable roller assemblies by dimensions is given below.



Solid Roller Assembly



Wound Roller Assembly

TABLE IX
DIMENSION OF INTERCHANGEABLE WOUND AND SOLID ROLLER TYPE NDH HY-ROLL ROLLER ASSEMBLIES

Part No. Roller Assembly Solid Rollers	Part No. Roller Assembly Wound Rollers	DIMENSIONS				Part No. Roller Assembly Solid Rollers	Part No. Roller Assembly Wound Rollers	DIMENSIONS			
		Shaft Diameter	Length	Outside Diameter	Roller Diameter			Shaft Diameter	Length	Outside Diameter	Roller Diameter
RA99305	RA305	1 1/4	1 1/8	2 1/8	7/16	RA99217	RA217	4	1 15/16	5 1/4	5/8
						WRA99217	WRA217	4	2 3/4	5 1/4	5/8
RA99207	RA207	1 3/4	15/16	2 1/2	3/8						
WRA99207	WRA207	1 3/4	1 3/16	2 1/2	3/8	RA99220	RA220	4 3/4	2 5/16	6 1/4	3/4
RA99307	RA307	1 3/4	1 3/8	2 3/4	1/2	WRA99220	WRA220	4 3/4	3 1/4	6 1/4	3/4
RA99208	RA208	2	1	2 3/4	3/8	RA99222	RA222	5 1/4	2 9/16	7	7/8
WRA99208	WRA208	2	1 3/8	2 3/4	3/8	WRA99222	WRA222	5 1/4	3 1/2	7	7/8
RA99209	RA209	2 3/16	1 1/8	2 15/16	3/8	RA99224	RA224	5 5/8	2 13/16	7 1/2	15/16
WRA99209	WRA209	2 3/16	1 9/16	2 15/16	3/8	WRA99224	WRA224	5 5/8	3 7/8	7 1/2	15/16
RA99210	RA210	2 3/8	1 1/4	3 1/8	3/8	SWRA99226	SWRA226	6	4 7/8	7 1/2	3/4
WRA99210	WRA210	2 3/8	1 3/4	3 1/8	3/8	RA99226	RA226	6 1/16	3 1/8	8 1/16	1
						WRA99226	WRA226	6 1/16	4 7/8	8 1/16	1
NRA99211	NRA211	2 5/8	1	3 1/2	7/16						
RA99211	RA211	2 5/8	1 5/16	3 1/2	7/16	RA99228	RA228	6 5/8	3 1/4	8 3/4	1 1/16
WRA99211	WRA211	2 5/8	1 13/16	3 1/2	7/16	WRA99228	WRA228	6 5/8	4 3/4	8 3/4	1 1/16
RA99311	RA311	2 3/4	1 15/16	4 1/8	11/16	RA99230	RA230	7 1/16	3 1/2	9 7/16	1 3/16
						WRA99230	WRA230	7 1/16	4 3/4	9 7/16	1 3/16
RA99212	RA212	2 7/8	1 7/16	3 7/8	1/2						
WRA99212	WRA212	2 7/8	1 15/16	3 7/8	1/2	RA99232	RA232	7 5/8	3 7/8	10 1/8	1 1/4
						WRA99232	WRA232	7 5/8	4 7/8	10 1/8	1 1/4
WRA99213	WRA213	3 1/8	2	4 1/8	1/2						
						SWRA99234	SWRA234	8 1/16	4 3/4	10 13/16	1 3/8
RA99214	RA214	3 5/16	1 5/8	4 5/16	1/2	WRA99234	WRA234	8 1/16	5 3/8	10 13/16	1 3/8
WRA99214	WRA214	3 5/16	2 3/8	4 5/16	1/2						
						WRA99236	WRA236	8 15/32	5 7/8	11 7/32	1 3/8
RA99314	RA314	3 1/2	2 5/16	5 1/4	7/8						
MRA99314	MRA314	3 1/2	2 1/2	5 1/4	7/8	SRA99240	SRA240	9 1/4	4 3/4	12	1 3/8
						SWRA99240	SWRA240	9 1/4	6 7/8	12	1 3/8
RA99215	RA215	3 1/2	1 3/4	4 1/2	1/2						
WRA99215	WRA215	3 1/2	2 5/8	4 1/2	1/2	AWRA99244	AWRA244	10 7/16	5 3/8	13 3/16	1 3/8
RA99216	RA216	3 3/4	1 13/16	4 7/8	9/16	SWRA99244	SWRA244	10 7/16	6 7/8	13 3/16	1 3/8
WRA99216	WRA216	3 3/4	2 5/8	4 7/8	9/16						

TABLE X

NUMERICAL LIST OF NDH HY-ROLL SPLIT OUTER RINGS WITH COMPLETE BEARINGS TO WHICH THEY APPLY

NDH Hy-Roll Split Outer Rings are made with a variety of holes, slits, etc. Each ring is stamped with the part number on the outside diameter. These part numbers with the part numbers of complete bearings to which they apply are listed in the following table.

Split Outer Ring No.	Bearings Applied	Split Outer Ring No.	Bearings Applied	Split Outer Ring No.	Bearings Applied
*4111	*27204	4469	18395	4691	18401
*4121	*HP93324-*HP94224	*4470	*18420	4692	HPA95540
		4477	49470	4695	
*4232	*47216			4697	HP99096
4235	40498-*40998	4500	18160-*18199-*19135-*P96764	4698	
4269	40485-40985			4699	HP94620
4272	40010-*40510	*4501	*18185		
*4273	*40061, *40561	4502	18205-*P99045	4702	
*4274	*40360	*4504	*18230	4716	49573
4275	40410	*4505	*18280	4719	49495
		4506	18255	4724	*49422
4300	40015-40515	*4508	*18375-*49280-*49305	*4740	*18750
4301	40066			*4771	*19247
4302	40365	*4509	*18305	4772	29197
4303	40415	4510	18325	*4787	*18415
4304	40490-*40990	*4512	*18350	*4788	*18417
4307	40265	4515	18400	4789	*18390
4308	*40290	4517	*18425	*4791	*18340
4311	*49732	4518	*49425	4793	*18315
4312	40270	*4521	*18500	*4794	*18317
4313	*40995	4522	*49500	*4795	*18295
4331	40071-*40571	*4525	*18575	*4796	*18297
4332	40370-40870	4530	49650	4797	18272
4333	40420-*40920	4532	*49700	4799	48247
4347	40374-*40874	4534	49725		
4348	40424	*4537	*18135-*PA96564	4803	*40003
4349	40025	4540	18450	4806	40006
4350	40075	4547	*HP93528-HP94428	4807	40007
4356	40499-40999	4548	HP93728-*HP95528-HP94628	4811	*4004-HP94524-*HP95424-HP93624
4357	40274				
4375A	HP93316-*HP94216	4549	*HP94732-*HP95632	4814	HP93224-*HP94124
4377	HP93524-HP94424-HP95324	*4550	*18210-*28210	4815	*HP93332-*HP94232
		*4553	*18285	*4820	*HP93320-*HP94220
4378	HP93532-HP94432-HP95332	*4554	*18260	*4821	*HPA94732
		4556	*18380	4822	HP94324-*HP93424
*4381	*PA95740	4560	18355	*4823	*P99022X
4387	HP95932	*4563	*18405	*4824	*P99023X
4395	HP95940	*4565	*18430	4827	*40008-*HPA94724-*HPA96524
		4566	49430		
*4400	*18120-*PA96516	4568	49480	4828	HP93328-HP94228
*4401	*18122-*PA96524	4570	*49505	*4829	*HP95724
4425	*18150-19125-P96732	4572	*49555	*4831	*HP94540-*HP95440
		4574	46146	4832	HP95848
4426	18175	4578	*49655	*4834	*HP94332-*HP93432
*4427	*19150	4582	49730	*4835	*HP94328-*HP93428
4430	18125-*PA94732-*PA95632-*PA96532	*4590	*HPA95640	4836	HP94516-*HP95416-HP93616
		*4591	*PA95748		
4431	18195	*4598	*HP94518	4837	HP95748-HP99007X
*4432	*18220	*4599	*P99021X	*4838	*HP95532-*HP94632
4435	18270			4839	*HP94640-HP95540
*4438	*18222	*4606	*18410	4840	HP93632-HP94532-HP95432
4445	*18127-*PA94740-*PA95640-*PA96540	*4608	*18435		
		4613	*49510	*4843	*HP95732
4446	18152-*P96740	4617	40013	*4844	
*4447	*18177	4621	49661	*4845	*PA95732
*4448	*18197	4625	49737	4847	
*4449	*18245	4633		*4849	*P93020
*4450	*18155-*18198-*19130-*P96748	4635	HP99039	*4851	*HP93220
		*4637	*HPA94524	*4885	*HP98540
4451	18180	*4640	*HP99041	*4886	*HP95648-*HP94748
4452	18200	*4641	*HP93716-*HP94616	*4887	*HP93216-*HP94116
*4453	*19200	*4642	*HP99072	*4888	*HP93128
4454	*18225	4643	*HP95548	*4889	*HP93124
4455	18275	*4645		*4890	*HP93228-*HP94128
4456	*18250	*4647	*P95548	*4891	*HP93232-*HP94132
4457	19250	4653	49590	*4892	*HP93312
*4458	*18370	4661	*49740-40014	4893	HP95740
4459	18300	4669	HPA99037	*4895	*HP94740-*HP95640
4460	16168-*29155	*4686	*HP94436	4896	*HP93516-*HP94416-*HP95316
*4466	*18130-*PA95648-*PA96548-*PA94748	*4687	*HP93212-*HP94112		
		*4689	*HP95920	*4898	*HP94340
*4467	*18320	*4690	*HP93120	*4899	*HP94440-*HP95340-*HP93540

*Not a saleable item. Part Numbers are shown for reference purposes only.

TABLE XI

NUMERICAL LIST OF NDH HY-ROLL SOLID INNER AND OUTER RINGS 30000 SERIES

WITH COMPLETE BEARINGS TO WHICH THEY APPLY

Ring No.	Bearings Applied
30034	
30036	
30037	
*30038	*17104
30049	47524
30057	TZW209
30058	TZW210
30060	*TZW206-TZW99206
30062	TZW99207
30063	
30066	
30067	SW207-SW99207
*30068	*SW209
30069	
30070	ED99074
30071	ED99075
30072	ED99063
30073	ED99060
30074	ED99054
30075	SW99232
30076	TYA1207TS
30078	D99077
30079	*TSA710036T
30080	
*30082	*TYA1208TS
30083	30083/1312WB/D
30084	
*30085	*TYW99226
*30086	*S220
30087	TYW212
30088	EDS99074
30089	EDS99075
30090	SW99236
30091	E99093
30092	TXA1210TS
30093	SW208
30094	SAW208
30096	SWA99232
30097	TX99228
30098	TA1311TS
30099	TXA5220WB-17
30106	TXA1210TS-15
*30213	*40510-*41510
30215	
30243	40515
30248	*40571
30250	
30252	40870
30253	*40874
*30256	*40920
*30259	*40990
30261	40985
*30305	*40995
30306	40999-D99081
30335	T207-TW207-T307-T99207-T99307-TW99207
*30359	*40998
30379	*TW206-T306-TN306-TW99206
*30379Y	*SW206-*SW99206
30381	T309
30385	TW208-T308-TW99208
30386	T310
30391	T311-T99311
30392	T312-TM312
30393	*T313-TM313
30394	TW215-*T314-TM314-TW99215-TM99314
30395	TX207-TXW207-TX307-TX99207-TXW99207-TX99307
30396	TXW208-TX308-TXW99208
30397	TX309
30398	*T315-TM315-T216-T99216
30399	T316-TM316
*30399Y	*TY316
30400	T218-*T317-TW218-TM317
30401	TW220-*T319-TM319-T220-T99220-TW99220
30402	TW222-T99222-TW99222
30404	TX310
30406	TXW215-TXW99215
30407	TX218-TXW218
30408	TXW213-TXW99213
30409	TX220-TX99220 TXW220-TXW99220
30410	TX99222-TXW222-TXW99222
30411	TXW228-TXW99228-T228-T99228
30412	TXW210-TXW99210
30413	TYW207-TYW99207 *T228-*T99228
30414	TXW226-TXW99226-T99226-T226
30415	TW212-TW99212
30416	TW213-TW99213
30417	TXW211-TXW99211
30418	TXW209-TXW99209
30419	TXW212-TXW99212
30421	TY213-TYW213-TYW99213
30423	*TXW206-TXW99206
30425	TW230-TW99230-T230-T99230
30426	TW232-T99232-TW99232
30427	TW236-TW99236-TW99236-15
30428	TSW240-TS99240-TSW99240
30429	TYW208
30433	
30436	
30438	
30452	TA1206TS
30456	TA5209TS
30465	TA5218TS
30467	TYA1211TS
30468	TXA1208TS
31034	D99077
31035	*17104
31036	S94726
*31037	*SA94628
*31038	*S93210
31039	S93314
31040	
31041	*S93312
31042	
31043	S94740-S95640
31045	S95928
*31046	*S94826
31048	*S93616-*S94516-*S95416
31067	SA94628
31068	D99081
31071	
*31072	*S94720
31073	
31075	
31128	S94920
31250	*S93216-*S94116
31253	S93316-*S94216
31254	S93324-S94224
31256	S93524-S94424-S95324
31257	S93532-S94432-S95332
31258	S94440-S95340 S93540
*31260	*SA94532
31262	SA94516-SA95416
31275	S93516-S94416-S95316
32002	26314
*32051	*17111
32063	47124
32074	47184
*32078	*46759
33001	17010-*17111
33003	17012
33013	*47022
33015	47124
33026	47184
33030	46430-*46759
*35011	*S93816-*S94716
35022	41010-*41510
*35034	*SA94726
35053	16476
35148	*S93716-S94616
35158	*SA92112

30000, 32000 Series—Inner Rings

31000, 33000 Series—Outer Rings

ROLLER BEARING ENGINEERING DATA

The engineering data provided in this publication relating to capacity ratings for NDH Hy-Roll Bearings is limited to general information. The actual calculations of bearing loads is a broad subject. The New Departure Hyatt Roller Bearing General Catalog RC-3 contains detailed instructions on calculating bearing life. The balance of the information deals with bearings fitting practice.

INDEX

LIFE - LOAD - SPEED RELATIONSHIP

With proper mounting and fitting practice and under clean, well lubricated operating conditions, wear does not take place in a roller bearing to a degree that will affect performance. Normal bearing failure will occur as pitting of the rolling surfaces due to fatigue.

For roller bearings, there is an exponential relationship of load to life which can be expressed as follows:

$$\text{Life} \propto \frac{1}{(\text{Load})^{10/3}}$$

Thus, if the load on a bearing is doubled, its life expectancy will be reduced to about one-tenth of what it was previously.

The life of a bearing in cycles of stress is considered to be independent of the rate of stress application or speed. Therefore, the life in hours of operation is decreased in direct proportion to increased speed. The relationship of life to speed is then:

$$\text{Life} \propto \frac{1}{(\text{Speed})}$$

Furthermore,

$$\text{Life} \propto \frac{1}{(\text{Load})^{10/3}} \times \frac{1}{(\text{Speed})}$$

and so,

$$\text{Load} \propto \frac{1}{(\text{Speed})^{3/10}} \text{ for a given life.}$$

This last equation establishes the relationship between bearing load ratings at different speeds.

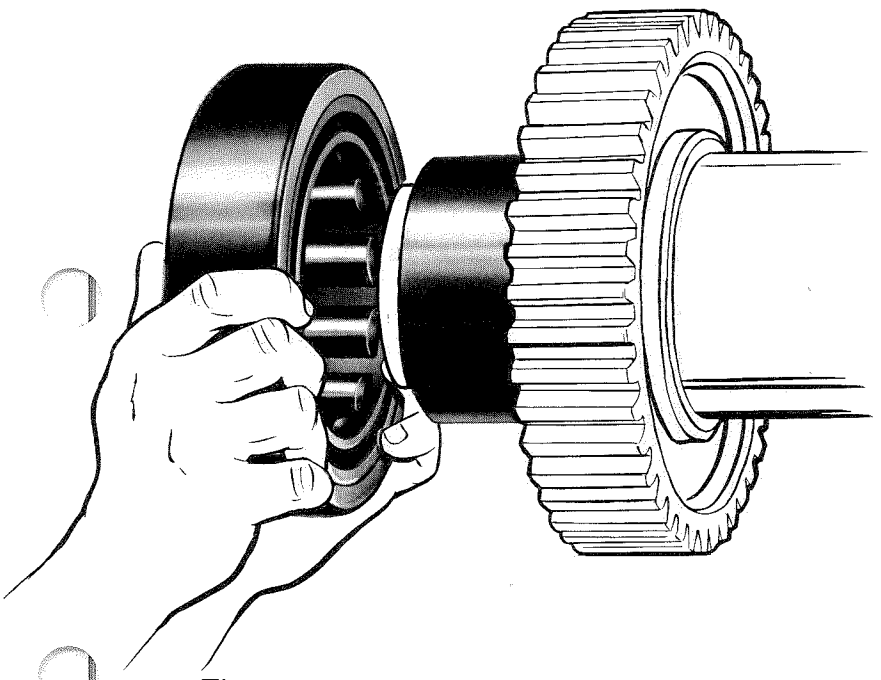
BEARING LIFE RATING

Any bearing subjected to continuous operation will eventually fail. No bearing has unlimited life. Under proper operating conditions, however, all causes for failure can be eliminated except fatigue which occurs as the result of repeated stresses of the bearing surfaces. Other manifestations are classified as bearing damage. They result from lack of lubrication, contamination, misalignment, false brinelling, failure of lubricant or factors other than the bearing itself.

Bearing life is measured in the number of revolutions or hours of operation, at a given speed and imposed load, required to induce fatigue. Bearings which are apparently identical and operate under identical conditions will not have identical lives. The usual basis for life is the one which 90% of the bearings may be expected to exceed. This is referred to as B-10 and it is the basis used in this catalog.

The average life of bearings listed here will be five times the B-10 life.

METRIC HY-ROLL BEARINGS FITTING PRACTICE



There are some general rules applicable to all bearing types.

The most important rule is that the rotating member should be a press fit. NDH Bearings are designed to allow for the reduction of internal clearance due to the expansion or contraction of one press fitted member. This permits heavy press fits, but press fitting of both members will result in excessive loss of internal clearance. The one exception to this rule is in the NDH Metric Hy-Roll "K-Line" Series Bearings which are specifically designed for press fits on both inner and outer rings. (See page 96)

NDH inner rings are made of carburized steel and may be pressed on a shaft with a heavy fit without danger of cracking. A press fit is the best means of holding a ring on a shaft, since it eliminates clamping or locking devices. The press fits given in this catalog are satisfactory for catalog load ratings. Where loads are very high, special fit recommendations or special bearing clearance may be required.

The shaft press fits given in this catalog are for solid steel shafts. For hollow shafts or for other materials, an equivalent fit can be calculated. Additional information may be obtained from the nearest NDH Sales Office.

The resultant clearance left when one ring is a press fit is usually satisfactory to handle some differential thermal expansion between the rings. However, when this differential is high, special clearance may be required. Such cases commonly arise when a hollow shaft is used as a transfer medium for steam, or when the housing is cooled by a fan or water. In general, differential expansion conditions should be checked when some unusual external cooling or heating condition exists on either ring or when the bearing is subject to some heating condition causing an operating temperature over 250°F.

Shaft and housing limits are given in the appropriate tables. Whenever possible, shafts and housings should be provided with a shoulder against which the press fitted ring seats. This shoulder must be square with the diameter, since an out-of-square condition may reflect in the ring diameter. This is especially true with narrow rings. Shoulder diameter recommendations given in this catalog represent a minimum height of shoulder for proper seating.

The Metric Hy-Roll Series Bearings have other mounting options, such as blind dowel holes and ring grooves in the outer rings for location.

NDH Metric Hy-Roll Series Bearings require no special means for axial retention of the roller assembly. However, the construction of the other series requires that the shaft or housing (usually the latter) have two smooth surfaces on either side of the bearing ring to retain the roller assembly.

When the retaining surfaces project inward from the outer ring or housing bore, the retainment is said to be of the "housing or outer ring type". When the retaining surfaces project outward from the shaft, the retainment is said to be of the "shaft or inner ring type". The housing type retainment is simpler and more economical, but the design of adjacent parts usually determines which type should be adopted.

Care should be exercised to avoid diagonal or cross retainment—that is, using the housing type on one side and shaft type on the other—because any considerable movement of the shaft, axially, will pinch the roller assembly and result in improper bearing operation.

METRIC HY-ROLL BEARINGS FITTING PRACTICE

TYPES OF FITS

Metric Hy-Roll Bearing rings may be fitted to the shaft or housing with various degrees of tightness or looseness between the mating parts. The appropriate fit is determined by the conditions of operation or assembly. The commonly known types of fit are press, tap and push fits. The limits for the shaft diameter and housing bore along with the resulting fits for each condition are shown on pages 98 through 107.

PRESS FITS

Metric Hy-Roll rings may be retained by press fits without the use of snap rings, lock nuts or keys. This permits more economical, simpler design and construction. It also eliminates the eccentricity which often results from endwise clamping of rings. For example, referring to the table on page , we find that the inner ring of a 1009 or 1309 bearing may be press fitted on a shaft with the resulting fits ranging from .0004 tight to .0015 tight. This fit is sufficient to hold the ring in position under normal conditions of operation. The shaft diameter limits producing this fit are shown in the adjacent columns as 1.7727-1.7721.

In general, the *rotating* ring of an application should be mounted with a press fit. The stationary ring is mounted with a looser fit. Positive retention is essential for the rotating rings since any looseness between the ring and the shaft, or housing, induces slippage and rapid wear at the contacting surfaces. For the Metric Hy-Roll Bearing, the internal clearance built into the bearing will not accommodate a press fit on both the inner and outer rings.

Refer to section on "K-Line" Bearings on page 103 for applications where both rings must be mounted with press fits.

The gripping force of a ring pressed on a hollow shaft is a function of the shaft wall thickness and, for a comparable fit, is less than that of a ring pressed on a solid shaft. Consult your NDH Sales Representative for recommended shaft diameter limits for hollow shafts.

TAP FITS

Since a rotating ring requires a tight or press fit, a looser fit is used in mounting the stationary ring. Such fits are known as tap fits and are shown for non-rotating inner rings in the table on page 99 and for non-rotating outer rings on page 101.

For example, on an application of bearing A-1209-TS with a revolving shaft, the inner ring is pressed on the shaft. The outer ring is applied in a housing bore 3.3470-3.3460 with resulting fits. .0005 tight to .0011 loose.

PUSH FITS

Push fits must be used in applying the outer rings of non-separable Metric Hy-Roll Bearings, i.e. U-TS, U-YS, U-TM and U-YM configurations. Because these bearings are assembled as complete units, the outer ring fit is looser; this enables the outer ring to align itself more readily with the inner ring during assembly.

For example, bearing U-5206-TS, with a rotating shaft, would be applied in housing bore 2.4421-2.4409 with resulting fits of .0000 to .0017 loose. See table, page 100.

"K" LINE BEARINGS

TABLES ON PAGES 98 and 103

"K" Line Bearings are applied with a press fit on both the inner and outer rings. The shaft diameter limits and resulting fits are shown under the "Press Fit" columns in the table on page 98. The housing bore limits and resulting fits are shown on page 103.

The "K" Line Bearings are essentially the same as the standard Metric Hy-Roll Bearings with two main differences as follows:

1. The bearing O.D. is larger than standard, as tabulated on page 103.
2. Extra internal clearance is added to the bearing to accommodate the contraction of the outer ring as well as the expansion of the inner ring due to the press fit.

It should be noted that the housing bore limits shown in the table on page 103 are identical with the "Tap Fit" housing bore limits in the table on page 101.

"K" Line Bearings are identified by a "K" following the outer ring symbol. Example: 1206TKS.

BEARINGS WITH INNER RING OMITTED

TABLES ON PAGES 104 and 105

The separable inner ring types of Metric Hy-Roll Bearings may be applied with the rollers operating directly on the shaft. In this way, it is

METRIC HY-ROLL BEARINGS FITTING PRACTICE

possible to utilize a shaft of larger diameter or a bearing of smaller size, thereby gaining greater shaft rigidity or a saving on bearing cost.

For best operational results, the shaft surface must be suitably hardened and finished. When the shaft is carburized, the case depth must be adequate to carry the load. Consult your NDH Sales Representative for specific data.

To realize the full rated capacity of the bearing, the shaft hardness must be Rockwell C60 to C64. Where this hardness cannot be obtained, the bearing rating must be modified by a hardness factor taken from the chart to the right.

When the outer ring is mounted with a standard press fit, shaft diameter limits as shown in the table on page 105 should be used.

When the outer ring is applied in a housing with standard tap fit limits, the shaft diameter limits shown in the table on page 104 apply.

Consult your NDH Sales Representative for shaft diameter limits for 6200 series bearings applied without inner rings.

BEARINGS WITH OUTER RING OMITTED

TABLES ON PAGES 106 and 107

The separable outer ring types of Metric Hy-Roll Bearings may be applied with the rollers operating directly on a hardened and ground alloy steel bore. In this way, it is possible to utilize a smaller housing bore, or a larger bearing and a larger shaft to increase the shaft rigidity where this may be necessary.

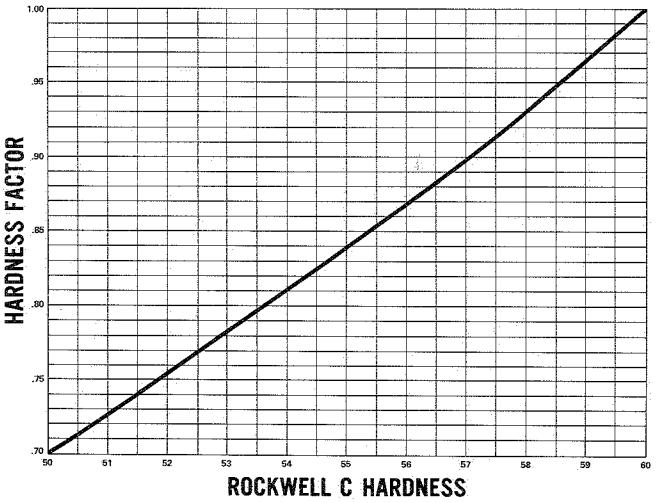
For best operational results, the bore must have suitable surface hardness and quality of finish and adequate case depth when carburized.

To realize the full rated bearing capacity, the bore hardness must be Rockwell C60 to C64. For lower hardnesses, modify the bearing rating with factors shown at the right.

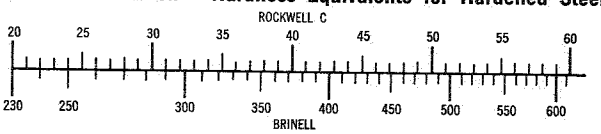
The bore diameter limits shown in the table on page 107 apply when the outer ring is omitted and the inner ring is a press fit on the shaft. When the outer ring is omitted and the inner ring is a tap fit, use housing bore diameter shown in the tables on page 106.

HARDNESS FACTOR

When NDH Metric Hy-Roll Bearings are used with either ring omitted, and if operation at rated capacity is desired, the surface upon which the rollers operate must have a hardness of Rockwell C60 to C64. If this hardness cannot be obtained, the bearing rating must be modified by a factor selected from the chart shown below.



Brinell* and Rockwell Hardness Equivalents for Hardened Steels**



*Hultgren 10 mm Ball Penetrator, 3000 Kg Load.

**Brale Penetrator, 150 Kg Load.

METRIC HY-ROLL BEARINGS FITTING PRACTICE

SHAFT DIAMETER LIMITS AND FITS
ALL METRIC HY-ROLL SERIES

INNER RING PRESS FIT FOR ROTATING INNER RINGS

BASIC BEARING NUMBER	BEARING BORE DIAMETER			SHAFT DIAMETER INCHES		INTERFERENCE FIT INCHES		AFBMA FIT CLASS
		INCHES						
	MM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MINIMUM	MAXIMUM	
00	10	.3937	.3934	.3943	.3940	.0003	.0009	
01	12	.4724	.4721	.4730	.4727	.0003	.0009	
02	15	.5906	.5903	.5912	.5909	.0003	.0009	
03	17	.6693	.6690	.6699	.6696	.0003	.0009	
04	20	.7874	.7870	.7881	.7877	.0003	.0011	m5
05	25	.9843	.9839	.9850	.9846	.0003	.0011	
06	30	1.1811	1.1807	1.1818	1.1814	.0003	.0011	
07	35	1.3780	1.3775	1.3788	1.3784	.0004	.0013	
08	40	1.5748	1.5743	1.5756	1.5752	.0004	.0013	
09	45	1.7717	1.7712	1.7727	1.7721	.0004	.0015	
10	50	1.9685	1.9680	1.9695	1.9689	.0004	.0015	
11	55	2.1654	2.1648	2.1666	2.1659	.0005	.0018	m6
12	60	2.3622	2.3616	2.3634	2.3627	.0005	.0018	
13	65	2.5591	2.5585	2.5603	2.5596	.0005	.0018	
14	70	2.7559	2.7553	2.7574	2.7567	.0008	.0021	
15	75	2.9528	2.9522	2.9543	2.9536	.0008	.0021	
16	80	3.1496	3.1490	3.1511	3.1504	.0008	.0021	
17	85	3.3465	3.3457	3.3484	3.3475	.0010	.0027	
18	90	3.5433	3.5425	3.5452	3.5443	.0010	.0027	
19	95	3.7402	3.7394	3.7421	3.7412	.0010	.0027	
20	100	3.9370	3.9362	3.9389	3.9380	.0010	.0027	n6
21	105	4.1339	4.1331	4.1358	4.1349	.0010	.0027	
22	110	4.3307	4.3299	4.3326	4.3317	.0010	.0027	
24	120	4.7244	4.7236	4.7263	4.7254	.0010	.0027	
26	130	5.1181	5.1171	5.1203	5.1193	.0012	.0032	
28	140	5.5118	5.5108	5.5140	5.5130	.0012	.0032	
30	150	5.9055	5.9045	5.9083	5.9073	.0018	.0038	
32	160	6.2992	6.2982	6.3020	6.3010	.0018	.0038	
34	170	6.6929	6.6919	6.6957	6.6947	.0018	.0038	
36	180	7.0866	7.0856	7.0894	7.0884	.0018	.0038	
38	190	7.4803	7.4791	7.4835	7.4823	.0020	.0044	
40	200	7.8740	7.8728	7.8772	7.8760	.0020	.0044	
44	220	8.6614	8.6602	8.6646	8.6634	.0020	.0044	p6
48	240	9.4488	9.4476	9.4520	9.4508	.0020	.0044	
52	260	10.2362	10.2348	10.2396	10.2384	.0022	.0048	
56	280	11.0236	11.0222	11.0270	11.0258	.0022	.0048	
60	300	11.8110	11.8096	11.8144	11.8132	.0022	.0048	
64	320	12.5984	12.5968	12.6023	12.6009	.0025	.0055	

When an inner ring is press fitted, the outer ring should be a tap fit for all bearing configurations except non-separable bearings (i.e., U-TS, U-TM, U-YS and U-YM). See page 101 for tap fit dimensions.

Non-separable bearings in which the inner ring is press fitted . . . the outer ring must be a push fit. See table on page 100 for push fit dimensions.

METRIC HY-ROLL BEARINGS FITTING PRACTICE

SHAFT DIAMETER LIMITS AND FITS
ALL METRIC HY-ROLL SERIES

INNER RING TAP FIT FOR STATIONARY INNER RINGS

BASIC BEARING NUMBER	BEARING BORE DIAMETER			SHAFT DIAMETER INCHES		RESULTANT FIT INCHES		AFBMA FIT CLASS
	MM	INCHES						
		MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	LOOSE	TIGHT	
00	10	.3937	.3934	.3937	.3933	.0004	.0003	
01	12	.4724	.4721	.4724	.4720	.0004	.0003	
02	15	.5906	.5903	.5906	.5902	.0004	.0003	
03	17	.6693	.6690	.6693	.6689	.0004	.0003	
04	20	.7874	.7870	.7874	.7869	.0005	.0004	
05	25	.9843	.9839	.9843	.9838	.0005	.0004	
06	30	1.1811	1.1807	1.1811	1.1806	.0005	.0004	
07	35	1.3780	1.3775	1.3780	1.3774	.0006	.0005	
08	40	1.5748	1.5743	1.5748	1.5742	.0006	.0005	
09	45	1.7717	1.7712	1.7717	1.7711	.0006	.0005	
10	50	1.9685	1.9680	1.9685	1.9679	.0006	.0005	
11	55	2.1654	2.1648	2.1654	2.1647	.0007	.0006	
12	60	2.3622	2.3616	2.3622	2.3615	.0007	.0006	
13	65	2.5591	2.5585	2.5591	2.5584	.0007	.0006	
14	70	2.7559	2.7553	2.7559	2.7552	.0007	.0006	
15	75	2.9528	2.9522	9.9528	2.9521	.0007	.0006	
16	80	3.1496	3.1490	3.1496	3.1489	.0007	.0006	
17	85	3.3465	3.3457	3.3465	3.3456	.0009	.0008	
18	90	3.5433	3.5425	3.5433	3.5424	.0009	.0008	
19	95	3.7402	3.7394	3.7402	3.7393	.0009	.0008	
20	100	3.9370	3.9362	3.9370	3.9361	.0009	.0008	h6
21	105	4.1339	4.1331	4.1339	4.1330	.0009	.0008	
22	110	4.3307	4.3299	4.3307	4.3298	.0009	.0008	
24	120	4.7244	4.7236	4.7244	4.7235	.0009	.0008	
26	130	5.1181	5.1171	5.1181	5.1171	.0010	.0010	
28	140	5.5118	5.5108	5.5118	5.5108	.0010	.0010	
30	150	5.9055	5.9045	5.9055	5.9045	.0010	.0010	
32	160	6.2992	6.2982	6.2992	6.2982	.0010	.0010	
34	170	6.6929	6.6919	6.6929	6.6919	.0010	.0010	
36	180	7.0866	7.0856	7.0866	7.0856	.0010	.0010	
38	190	7.4803	7.4791	7.4803	7.4791	.0012	.0012	
40	200	7.8740	7.8728	7.8740	7.8728	.0012	.0012	
44	220	8.6614	8.6602	8.6614	8.6602	.0012	.0012	
48	240	9.4488	9.4476	9.4488	9.4476	.0012	.0012	
52	260	10.2362	10.2348	10.2362	10.2350	.0012	.0014	
56	280	11.0236	11.0222	11.0236	11.0224	.0012	.0014	
60	300	11.8110	11.8096	11.8110	11.8098	.0012	.0014	
64	320	12.5984	12.5968	12.5984	12.5970	.0014	.0016	

When a tap fit is used with a stationary inner ring, the accompanying outer ring must be press fit into the housing, See page 102 for outer ring press fit dimensions.

METRIC HY-ROLL BEARING FITTING PRACTICE

HOUSING BORE LIMITS AND FITS
ALL METRIC HY-ROLL SERIES

OUTER RING PUSH FIT FOR NON-SEPARABLE BEARING TYPES*

BASIC BEARING NUMBER				BEARING OUTSIDE DIAMETER			HOUSING BORE INCHES		RESULTANT FIT INCHES		AFBMA FIT CLASS
					INCHES						
				MM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	LOOSE	TIGHT	
000				26	1.0236	1.0232	1.0244	1.0236	.0012		
001				28	1.1024	1.1020	1.1032	1.1024	.0012		
	200			30	1.1811	1.1807	1.1819	1.1811	.0012		
002	201			32	1.2598	1.2593	1.2608	1.2598	.0015		
003	202	300		35	1.3780	1.3775	1.3790	1.3780	.0015		
		301	904	37	1.4567	1.4562	1.4577	1.4567	.0015		
	203			40	1.5748	1.5743	1.5758	1.5748	.0015		
004		302	905	42	1.6535	1.6530	1.6545	1.6535	.0015		
005	204	303	906	47	1.8504	1.8499	1.8514	1.8504	.0015		
	205	304		52	2.0472	2.0467	2.0484	2.0472	.0017		
006			907	55	2.1654	2.1649	2.1666	2.1654	.0017		
007	206	305	908	62	2.4409	2.4404	2.4421	2.4409	.0017		
008			909	68	2.6772	2.6767	2.6784	2.6772	.0017		
	207	306	910	72	2.8346	2.8341	2.8358	2.8346	.0017		
009				75	2.9528	2.9523	2.9540	2.9528	.0017	LINE	
010	208	307	911	80	3.1496	3.1491	3.1508	3.1496	.0017		
	209		912	85	3.3465	3.3459	3.3479	3.3465	.0020		
011	210	308	913	90	3.5433	3.5427	3.5447	3.5433	.0020		
012				95	3.7402	3.7396	3.7416	3.7402	.0020		
013	211	309	914	100	3.9370	3.9364	3.9384	3.9370	.0020	TO	
			915	105	4.1339	4.1333	4.1353	4.1339	.0020		
014	212	310	916	110	4.3307	4.3301	4.3321	4.3307	.0020		
015				115	4.5276	4.5270	4.5290	4.5276	.0020	LINE	
	213	311	917	120	4.7244	4.7238	4.7258	4.7244	.0020		
016	214		918	125	4.9213	4.9205	4.9229	4.9213	.0024		
017	215	312	919	130	5.1181	5.1173	5.1197	5.1181	.0024		
018	216	313	920	140	5.5118	5.5110	5.5134	5.5118	.0024		
019			921	145	5.7087	5.7079	5.7103	5.7087	.0024		
020	217	314	922	150	5.9055	5.9047	5.9071	5.9055	.0024		
021	218	315		160	6.2992	6.2982	6.3008	6.2992	.0026		
			924	165	6.4961	6.4951	6.4977	6.4961	.0026		H7
022	219	316		170	6.6929	6.6919	6.6945	6.6929	.0026		
024	220	317	926	180	7.0866	7.0856	7.0882	7.0866	.0026		
	221	318	928	190	7.4803	7.4791	7.4821	7.4803	.0030		
026	222	319		200	7.8740	7.8728	7.8758	7.8740	.0030		
028			930	210	8.2677	8.2665	8.2695	8.2677	.0030		
	224	320		215	8.4646	8.4634	8.4664	8.4646	.0030		
			932	220	8.6614	8.6602	8.6632	8.6614	.0030		
030		321		225	8.8583	8.8571	8.8601	8.8583	.0030		
	226		934	230	9.0551	9.0539	9.0569	9.0551	.0030		
032		322		240	9.4488	9.4476	9.4506	9.4488	.0030		
	228		936	250	9.8425	9.8413	9.8443	9.8425	.0030		
034		324	938	260	10.2362	10.2348	10.2382	10.2362	.0034		
	230			270	10.6299	10.6285	10.6319	10.6299	.0034		
036		326	940	280	11.0236	11.0222	11.0256	11.0236	.0034		
038	232			290	11.4173	11.4159	11.4193	11.4173	.0034		
		328	944	300	11.8110	11.8096	11.8130	11.8110	.0034		
040	234			310	12.2047	12.2033	12.2067	12.2047	.0034		
	236	330	948	320	12.5984	12.5968	12.6006	12.5984	.0038		
044	238	332		340	13.3858	13.3842	13.3880	13.3858	.0038		
048	240	334	952	360	14.1732	14.1716	14.1754	14.1732	.0038		
		336	956	380	14.9606	14.9590	14.9628	14.9606	.0038		
052	244	338		400	15.7480	15.7464	15.7502	15.7480	.0038		
056		340	960	420	16.5354	16.5336	16.5379	16.5354	.0043		
	248		964	440	17.3228	17.3210	17.3253	17.3228	.0043		
060				460	18.1102	18.1084	18.1127	18.1102	.0043		
064	252			480	18.8976	18.8958	18.9001	18.8976	.0043		
	256			500	19.6850	19.6832	19.6875	19.6850	.0043		
	260			540	21.2598	21.2578	21.2625	21.2598	.0047		
	264			580	22.8346	22.8326	22.8373	22.8346	.0047		

When an outer ring is applied with a push fit, the accompanying inner ring is applied with a press fit. See table on page 98 for dimensions.

* U-TS, U-TM, U-YS, U-YM non-separable bearings.

METRIC HY-ROLL BEARINGS FITTING PRACTICE

HOUSING BORE LIMITS AND FITS
ALL METRIC HY-ROLL SERIES

OUTER RING TAP FIT WITH ROTATING INNER RINGS

BASIC BEARING NUMBER				BEARING OUTSIDE DIAMETER			HOUSING BORE INCHES		RESULTANT FIT INCHES		AFBMA FIT CLASS
				MM	INCHES MAXIMUM	INCHES MINIMUM	MAXIMUM	MINIMUM	LOOSE	TIGHT	
000				26	1.0236	1.0232	1.0241	1.0233	.0009	.0003	
001				28	1.1024	1.1020	1.1029	1.1021	.0009	.0003	
	200			30	1.1811	1.1807	1.1816	1.1808	.0009	.0003	
002	201			32	1.2598	1.2593	1.2603	1.2594	.0010	.0004	
003	202	300		35	1.3780	1.3775	1.3785	1.3776	.0010	.0004	
		301	904	37	1.4567	1.4562	1.4572	1.4563	.0010	.0004	
	203			40	1.5748	1.5743	1.5753	1.5744	.0010	.0004	
004		302	905	42	1.6535	1.6530	1.6540	1.6531	.0010	.0004	
005	204	303	906	47	1.8504	1.8499	1.8509	1.8500	.0010	.0004	
	205	304		52	2.0472	2.0467	2.0477	2.0468	.0010	.0004	
006			907	55	2.1654	2.1649	2.1660	2.1650	.0011	.0004	
007	206	305	908	62	2.4409	2.4404	2.4415	2.4405	.0011	.0004	
008			909	68	2.6772	2.6767	2.6778	2.6768	.0011	.0004	
	207	306	910	72	2.8346	2.8341	2.8352	2.8342	.0011	.0004	
009				75	2.9528	2.9523	2.9534	2.9524	.0011	.0004	
010	208	307	911	80	3.1496	3.1491	3.1502	3.1492	.0011	.0004	
	209		912	85	3.3465	3.3459	3.3470	3.3460	.0011	.0005	
011	210	308	913	90	3.5433	3.5427	3.5438	3.5428	.0011	.0005	
012				95	3.7402	3.7396	3.7407	3.7397	.0011	.0005	
013	211	309	914	100	3.9370	3.9364	3.9375	3.9365	.0011	.0005	
			915	105	4.1339	4.1333	4.1344	4.1334	.0011	.0005	
014	212	310	916	110	4.3307	4.3301	4.3314	4.3302	.0013	.0005	
015				115	4.5276	4.5270	4.5283	4.5271	.0013	.0005	
	213	311	917	120	4.7244	4.7238	4.7251	4.7239	.0013	.0005	
016	214		918	125	4.9213	4.9205	4.9219	4.9207	.0014	.0006	
017	215	312	919	130	5.1181	5.1173	5.1187	5.1175	.0014	.0006	
018	216	313	920	140	5.5118	5.5110	5.5124	5.5112	.0014	.0006	
019			921	145	5.7087	5.7079	5.7095	5.7081	.0016	.0006	
020	217	314	922	150	5.9055	5.9047	5.9063	5.9049	.0016	.0006	
021	218	315		160	6.2992	6.2982	6.3000	6.2986	.0018	.0006	
			924	165	6.4961	6.4951	6.4969	6.4955	.0018	.0006	J7 ▲
022	219	316		170	6.6929	6.6919	6.6937	6.6923	.0018	.0006	
024	220	317	926	180	7.0866	7.0856	7.0874	7.0860	.0018	.0006	
	221	318	928	190	7.4803	7.4791	7.4810	7.4796	.0019	.0007	
026	222	319		200	7.8740	7.8728	7.8747	7.8733	.0019	.0007	
028			930	210	8.2677	8.2665	8.2684	8.2670	.0019	.0007	
	224	320		215	8.4646	8.4634	8.4655	8.4639	.0021	.0007	
			932	220	8.6614	8.6602	8.6623	8.6607	.0021	.0007	
030		321		225	8.8583	8.8571	8.8592	8.8576	.0021	.0007	
	226		934	230	9.0551	9.0539	9.0560	9.0544	.0021	.0007	
032		322		240	9.4488	9.4476	9.4499	9.4481	.0023	.0007	
	228		936	250	9.8425	9.8413	9.8436	9.8418	.0023	.0007	
034		324	938	260	10.2362	10.2348	10.2373	10.2355	.0025	.0007	
	230			270	10.6299	10.6285	10.6310	10.6292	.0025	.0007	
036		326	940	280	11.0236	11.0222	11.0247	11.0229	.0025	.0007	
038	232			290	11.4173	11.4159	11.4186	11.4166	.0027	.0007	
		328	944	300	11.8110	11.8096	11.8123	11.8103	.0027	.0007	
040	234			310	12.2047	12.2033	12.2060	12.2040	.0027	.0007	
	236	330	948	320	12.5984	12.5968	12.5999	12.5977	.0031	.0007	
044	238	332		340	13.3858	13.3842	13.3873	13.3851	.0031	.0007	
048	240	334	952	360	14.1732	14.1716	14.1747	14.1725	.0031	.0007	
		336	956	380	14.9606	14.9590	14.9621	14.9599	.0031	.0007	
052	244	338		400	15.7480	15.7464	15.7495	15.7473	.0031	.0007	
056		340	960	420	16.5354	16.5336	16.5370	16.5345	.0034	.0009	
	248		964	440	17.3228	17.3210	17.3244	17.3219	.0034	.0009	
060				460	18.1102	18.1084	18.1118	18.1093	.0034	.0009	
064	252			480	18.8976	18.8958	18.8992	18.8967	.0034	.0009	
	256			500	19.6850	19.6832	19.6866	19.6841	.0034	.0009	
	260			540	21.2598	21.2578	21.2616	21.2589	.0038	.0009	
	264			580	22.8346	22.8326	22.8364	22.8337	.0038	.0009	

▲ Minimum bore same as AFBMA Fit Class J7. Maximum bore within AFBMA Fit Class J7 Tolerance.

When an outer ring is mounted in the housing with a tap fit, the accompanying inner ring is mounted on the shaft with a press fit. See page 98 for press fit dimensions.

METRIC HY-ROLL BEARINGS FITTING PRACTICE

HOUSING BORE LIMITS AND FITS
ALL METRIC HY-ROLL SERIES

OUTER RING PRESS FIT WITH STATIONARY INNER RINGS

BASIC BEARING NUMBER				BEARING OUTSIDE DIAMETER			HOUSING BORE INCHES		RESULTANT FIT INCHES		AFBMA FIT CLASS
					INCHES						
				MM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	LOOSE	TIGHT	
000				26	1.0236	1.0232	1.0232	1.0225		.0011	
001				28	1.1024	1.1020	1.1020	1.1013		.0011	
	200			30	1.1811	1.1807	1.1807	1.1800		.0011	
002	201			32	1.2598	1.2593	1.2593	1.2585		.0013	
003	202	300		35	1.3780	1.3775	1.3775	1.3767		.0013	
		301	904	37	1.4567	1.4562	1.4562	1.4554		.0013	
	203			40	1.5748	1.5743	1.5743	1.5735		.0013	
004		302	905	42	1.6535	1.6530	1.6530	1.6522		.0013	
005	204	303	906	47	1.8504	1.8499	1.8499	1.8491		.0013	
	205	304		52	2.0472	2.0467	2.0467	2.0457		.0015	
006			907	55	2.1654	2.1649	2.1649	2.1639		.0015	
007	206	305	908	62	2.4409	2.4404	2.4404	2.4394		.0015	
008			909	68	2.6772	2.6767	2.6767	2.6757		.0015	
	207	306	910	72	2.8346	2.8341	2.8341	2.8331		.0015	
009				75	2.9528	2.9523	2.9523	2.9513	L	.0015	
010	208	307	911	80	3.1496	3.1491	3.1491	3.1481	I	.0015	
	209		912	85	3.3465	3.3459	3.3459	3.3447	N	.0018	
011	210	308	913	90	3.5433	3.5427	3.5427	3.5415	E	.0018	
012				95	3.7402	3.7396	3.7396	3.7384		.0018	
013	211	309	914	100	3.9370	3.9364	3.9364	3.9352		.0018	
			915	105	4.1339	4.1333	4.1333	4.1321	T	.0018	
014	212	310	916	110	4.3307	4.3301	4.3301	4.3289	O	.0018	
015				115	4.5276	4.5270	4.5270	4.5258		.0018	
	213	311	917	120	4.7244	4.7238	4.7238	4.7226	L	.0018	
016	214		918	125	4.9213	4.9205	4.9205	4.9191	I	.0022	
017	215	312	919	130	5.1181	5.1173	5.1173	5.1159	N	.0022	
018	216	313	920	140	5.5118	5.5110	5.5110	5.5096	E	.0022	
019			921	145	5.7087	5.7079	5.7079	5.7065		.0022	
020	217	314	922	150	5.9055	5.9047	5.9047	5.9033		.0022	
021	218	315		160	6.2992	6.2982	6.2982	6.2970		.0022	
			924	165	6.4961	6.4951	6.4951	6.4939		.0022	N7 ▲
022	219	316		170	6.6929	6.6919	6.6919	6.6907		.0022	
024	220	317	926	180	7.0866	7.0856	7.0856	7.0844		.0022	
	221	318	928	190	7.4803	7.4791	7.4791	7.4777		.0026	
026	222	319		200	7.8740	7.8728	7.8728	7.8714		.0026	
028			930	210	8.2677	8.2665	8.2665	8.2651		.0026	
	224	320		215	8.4646	8.4634	8.4634	8.4620		.0026	
			932	220	8.6614	8.6602	8.6602	8.6588		.0026	
030		321		225	8.8583	8.8571	8.8571	8.8557		.0026	
	226		934	230	9.0551	9.0539	9.0539	9.0525		.0026	
032		322		240	9.4488	9.4476	9.4476	9.4462		.0026	
	228		936	250	9.8425	9.8413	9.8413	9.8399		.0026	
034		324	938	260	10.2362	10.2348	10.2350	10.2334	.0002	.0028	
	230			270	10.6299	10.6285	10.6287	10.6271	.0002	.0028	
036		326	940	280	11.0236	11.0222	11.0224	11.0208	.0002	.0028	
038	232			290	11.4173	11.4159	11.4161	11.4145	.0002	.0028	
		328	944	300	11.8110	11.8096	11.8098	11.8082	.0002	.0028	
040	234			310	12.2047	12.2033	12.2035	12.2019	.0002	.0028	
	236	330	948	320	12.5984	12.5968	12.5970	12.5954	.0002	.0030	
044	238	332		340	13.3858	13.3842	13.3844	13.3828	.0002	.0030	
048	240	334	952	360	14.1732	14.1716	14.1718	14.1702	.0002	.0030	
		336	956	380	14.9606	14.9590	14.9592	14.9576	.0002	.0030	
052	244	338		400	15.7480	15.7464	15.7466	15.7450	.0002	.0030	
056		340	960	420	16.5354	16.5336	16.5340	16.5320	.0004	.0034	
	248		964	440	17.3228	17.3210	17.3214	17.3194	.0004	.0034	
060				460	18.1102	18.1084	18.1088	18.1068	.0004	.0034	
064	252			480	18.8976	18.8958	18.8962	18.8942	.0004	.0034	
	256			500	19.6850	19.6832	19.6836	19.6816	.0004	.0034	
	260			540	21.2598	21.2578	21.2584	21.2564	.0006	.0034	
	264			580	22.8346	22.8326	22.8332	22.8312	.0006	.0034	

▲ Minimum bore same as AFBMA Fit Class N7. Maximum bore within AFBMA Fit Class N7 Tolerance.

When an outer ring is press fitted into the housing, the accompanying inner ring should be a tap fit. See table on page 99 for dimensions.

METRIC HY-ROLL BEARINGS FITTING PRACTICE

"K" LINE HOUSING BORE LIMITS AND FITS
ALL METRIC HY-ROLL SERIES

HEAVY PRESS FIT OUTER RING

BASIC BEARING NUMBER				BEARING OUTSIDE DIAMETER			HOUSING BORE INCHES		INTERFERENCE FIT INCHES	
				MM (APPR.)	INCHES MAXIMUM	INCHES MINIMUM	MAXIMUM	MINIMUM	MINIMUM	MAXIMUM
000				26	1.0245	1.0241	1.0241	1.0233	0	.0012
001				28	1.1033	1.1029	1.1029	1.1021	0	.0012
	200			30	1.1820	1.1816	1.1816	1.1808	0	.0012
002	201			32	1.2608	1.2603	1.2603	1.2594	0	.0014
003	202	300		35	1.3790	1.3785	1.3785	1.3776	0	.0014
		301	904	37	1.4577	1.4572	1.4572	1.4563	0	.0014
	203			40	1.5758	1.5753	1.5753	1.5744	0	.0014
004		302	905	42	1.6545	1.6540	1.6540	1.6531	0	.0014
005	204	303	906	47	1.8514	1.8509	1.8509	1.8500	0	.0014
	205	304		52	2.0482	2.0477	2.0477	2.0468	0	.0014
006			907	55	2.1665	2.1660	2.1660	2.1650	0	.0015
007	206	305	908	62	2.4421	2.4416	2.4415	2.4405	.0001	.0016
008			909	68	2.6785	2.6780	2.6778	2.6768	.0002	.0017
	207	306	910	72	2.8359	2.8354	2.8352	2.8342	.0002	.0017
009				75	2.9542	2.9537	2.9534	2.9524	.0003	.0018
010	208	307	911	80	3.1510	3.1505	3.1502	3.1492	.0003	.0018
	209		912	85	3.3480	3.3474	3.3470	3.3460	.0004	.0020
011	210	308	913	90	3.5449	3.5443	3.5438	5.5428	.0005	.0021
012				95	3.7419	3.7413	3.7407	3.7397	.0006	.0022
013	211	309	914	100	3.9388	3.9382	3.9375	3.9365	.0007	.0023
			915	105	4.1358	4.1352	4.1344	4.1334	.0008	.0024
014	212	310	916	110	4.3329	4.3323	4.3314	4.3302	.0009	.0027
015				115	4.5298	4.5292	4.5283	4.5271	.0009	.0027
	213	311	917	120	4.7266	4.7260	4.7251	4.7239	.0009	.0027
016	214		918	125	4.9236	4.9228	4.9219	4.9207	.0009	.0029
017	215	312	919	130	5.1204	5.1196	5.1187	5.1175	.0009	.0029
018	216	313	920	140	5.5141	5.5133	5.5124	5.5112	.0009	.0029
019			921	145	5.7113	5.7105	5.7095	5.7081	.0010	.0032
020	217	314	922	150	5.9081	5.9073	5.9063	5.9049	.0010	.0032
021	218	315		160	6.3020	6.3010	6.3000	6.2986	.0010	.0034
			924	165	6.4989	6.4979	6.4969	6.4955	.0010	.0034
022	219	316		170	6.6957	6.6947	6.6937	6.6923	.0010	.0034
024	220	317	926	180	7.0894	7.0884	7.0874	7.0860	.0010	.0034
	221	318	928	190	7.4833	7.4821	7.4810	7.4796	.0011	.0037
026	222	319		200	7.8771	7.8759	7.8747	7.8733	.0012	.0038
028			930	210	8.2709	8.2697	8.2684	8.2670	.0013	.0039
	224	320		215	8.4680	8.4668	8.4655	8.4639	.0013	.0041
			932	220	8.6649	8.6637	8.6623	8.6607	.0014	.0042
030		321		225	8.8618	8.8606	8.8592	8.8576	.0014	.0042
	226		934	230	9.0587	9.0575	9.0560	9.0544	.0015	.0043
032		322		240	9.4526	9.4514	9.4499	9.4481	.0015	.0045
	228		936	250	9.8463	9.8451	9.8436	9.8418	.0015	.0045
034		324	938	260	10.2402	10.2388	10.2373	10.2355	.0015	.0047
	230			270	10.6339	10.6325	10.6310	10.6292	.0015	.0047
036		326	940	280	11.0276	11.0262	11.0247	11.0229	.0015	.0047
038	232			290	11.4216	11.4202	11.4186	11.4166	.0016	.0050
		328	944	300	11.8154	11.8140	11.8123	11.8103	.0017	.0051
040	234			310	12.2091	12.2077	12.2060	12.2040	.0017	.0051
	236	330	948	320	12.6032	12.6016	12.5999	12.5977	.0017	.0055
044	238	332		340	13.3906	13.3890	13.3873	13.3851	.0017	.0055
048	240	334	952	360	14.1781	14.1765	14.1747	14.1725	.0018	.0056
		336	956	380	14.9655	14.9639	14.9621	14.9599	.0018	.0056
052	244	338		400	15.7529	15.7513	15.7495	15.7473	.0018	.0056
056		340	960	420	16.5406	16.5388	16.5370	16.5345	.0018	.0061
	248		964	440	17.3280	17.3262	17.3244	17.3219	.0018	.0061
060				460	18.1155	18.1137	18.1118	18.1093	.0019	.0062
064	252			480	18.9029	18.9011	18.8992	18.8967	.0019	.0062
	256			500	19.6903	19.6885	19.6866	19.6841	.0019	.0062
	260			540	21.2655	21.2635	21.2616	21.2589	.0019	.0066
	264			580	22.8403	22.8383	22.8364	22.8337	.0019	.0066

METRIC HY-ROLL BEARINGS FITTING PRACTICE

SHAFT DIAMETER – INNER RING OMITTED

TAP FIT OUTER RING

BASIC BEARING NUMBER	1900 SHAFT DIAMETER – INCHES		1000 SHAFT DIAMETER – INCHES		1200-5200 SHAFT DIAMETER – INCHES		1300-5300-7300 SHAFT DIAMETER – INCHES	
	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
00			.5723	.5719	.6086	.6082	.6559	.6555
01			.6514	.6510	.6686	.6682	.7280	.7276
02			.7737	.7733	.7897	.7893	.8724	.8720
03			.8757	.8753	.8725	.8721	.9803	.9799
04	.9769	.9765	1.0329	1.0325	1.1092	1.1087	1.1013	1.1008
05	1.1759	1.1754	1.2259	1.2254	1.2672	1.2667	1.3383	1.3378
06	1.3710	1.3705	△	△	1.4994	1.4989	1.6024	1.6019
07	1.6112	1.6107	△	△	1.7322	1.7317	1.8452	1.8447
08	1.8061	1.8056	△	△	1.9667	1.9662	2.0600	2.0595
09	2.0263	2.0258	△	△	2.1870	2.1864	2.3382	2.3376
10	2.2014	2.2008	△	△	2.3816	2.3810	2.5660	2.5654
11	△	△	△	△	2.6354	2.6348	2.8136	2.8130
12	△	△	△	△	2.8511	2.8505	3.0545	3.0538
13	△	△	2.9348	2.9341	3.1677	3.1670	3.2957	3.2950
14	△	△	△	△	3.3392	3.3385	3.5132	3.5125
15	△	△	△	△	3.5063	3.5056	3.7780	3.7772
16	△	△	△	△	3.7532	3.7525	4.0031	4.0023
17	△	△	△	△	4.0182	4.0174	4.2746	4.2738
18	△	△	△	△	4.2235	4.2227	4.4915	4.4907
19	△	△	△	△	4.4714	4.4706	4.8113	4.8105
20	△	△	△	△	4.7663	4.7655	5.1267	5.1258

△ Consult NDH Engineering Department for size.

The above shaft diameter limits also apply to "K" line bearings using heavy press fit outer ring. See page 103 for dimensions.

For 6200 series bearing shaft diameters, consult the NDH Engineering Department.

METRIC HY-ROLL BEARING FITTING PRACTICE

SHAFT DIAMETER – INNER RING OMITTED

PRESS FIT OUTER RING

BASIC BEARING NUMBER	1900		1000		1200-5200		1300-5300-7300	
	SHAFT DIAMETER – INCHES		SHAFT DIAMETER – INCHES		SHAFT DIAMETER – INCHES		SHAFT DIAMETER – INCHES	
	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
00			.5717	.5713	.6080	.6076	.6553	.6549
01			.6508	.6504	.6680	.6676	.7274	.7270
02			.7731	.7727	.7891	.7887	.8718	.8714
03			.8750	.8746	.8718	.8714	.9796	.9792
04	.9762	.9758	1.0322	1.0318	1.1085	1.1080	1.1005	1.1000
05	1.1753	1.1748	1.2253	1.2248	1.2665	1.2660	1.3376	1.3371
06	1.3704	1.3699	△	△	1.4986	1.4981	1.6016	1.6011
07	1.6104	1.6099	△	△	1.7314	1.7309	1.8444	1.8439
08	1.8054	1.8049	△	△	1.9660	1.9655	2.0590	2.0585
09	2.0255	2.0250	△	△	2.1861	2.1855	2.3373	2.3367
10	2.2006	2.2000	△	△	2.3807	2.3801	2.5651	2.5645
11	△	△	△	△	2.6344	2.6338	2.8127	2.8121
12	△	△	△	△	2.8502	2.8496	3.0534	3.0527
13	△	△	2.9339	2.9332	3.1668	3.1661	3.2946	3.2939
14	△	△	△	△	3.3381	3.3374	3.5120	3.5113
15	△	△	△	△	3.5052	3.5045	3.7769	3.7761
16	△	△	△	△	3.7520	3.7513	4.0020	4.0012
17	△	△	△	△	4.0171	4.0163	4.2735	4.2727
18	△	△	△	△	4.2224	4.2216	4.4902	4.4894
19	△	△	△	△	4.4703	4.4695	4.8099	4.8091
20	△	△	△	△	4.7652	4.7644	5.1254	5.1245

△ Consult NDH Engineering Department for size.

METRIC HY-ROLL BEARINGS FITTING PRACTICE

HOUSING BORE – OUTER RING OMITTED

TAP FIT INNER RING

BASIC BEARING NUMBER	1900 HOUSING BORE – INCHES		1000 HOUSING BORE – INCHES		1200-5200 HOUSING BORE – INCHES		1300-5300-7300 HOUSING BORE – INCHES	
	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
00			.8644	.8640	.9901	.9897	1.1127	1.1123
01			.9434	.9430	1.0501	1.0497	1.1847	1.1843
02			1.0972	1.0968	1.1712	1.1708	1.3707	1.3703
03			1.1992	1.1988	1.3708	1.3704	1.5402	1.5398
04	1.2689	1.2685	1.4383	1.4379	1.6075	1.6070	1.7305	1.7300
05	1.4680	1.4675	1.6314	1.6309	1.7656	1.7651	2.1031	2.1026
06	1.6631	1.6626	△	△	2.1285	2.1280	2.3780	2.3775
07	1.9346	1.9341	△	△	2.4591	2.4586	2.6745	2.6740
08	2.2116	2.2111	2.3760	2.3755	2.7405	2.7400	3.0572	3.0567
09	2.4317	2.4312	2.6430	2.6424	2.9517	2.9511	3.3894	3.3888
10	2.6068	2.6062	△	△	△	△	3.7195	3.7189
11	△	△	3.1697	3.1691	3.4646	3.4640	4.0784	4.0778
12	△	△	3.3668	3.3662	3.8481	3.8475	4.4280	4.4273
13	△	△	3.5639	3.5632	4.1649	4.1642	4.7775	4.7768
14	△	△	△	△	4.3902	4.3895	5.0926	5.0919
15	△	△	△	△	4.5573	4.5566	5.4770	5.4762
16	△	△	4.4512	4.4505	4.9068	4.9061	5.8033	5.8025
17	△	△	4.6515	4.6507	5.2829	5.2821	6.1966	6.1958
18	△	△	△	△	5.5968	5.5960	6.5109	6.5101
19	△	△	△	△	5.9532	5.9524	6.8308	6.8300
20	△	△	5.3660	5.3652	6.3459	6.3451	7.2787	7.2778

△ Consult NDH Engineering Department for size.

METRIC HY-ROLL BEARINGS FITTING PRACTICE

HOUSING BORE – OUTER RING OMITTED

PRESS FIT INNER RING

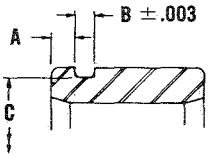
BASIC BEARING NUMBER	1900 HOUSING BORE – INCHES		1000 HOUSING BORE – INCHES		1200-5200 HOUSING BORE – INCHES		1300-5300-7300 HOUSING BORE – INCHES	
	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
00			.8648	.8644	.9905	.9901	1.1130	1.1126
01			.9439	.9435	1.0506	1.0502	1.1851	1.1847
02			1.0976	1.0972	1.1716	1.1712	1.3711	1.3707
03			1.1996	1.1992	1.3712	1.3708	1.5406	1.5402
04	1.2694	1.2690	1.4388	1.4384	1.6080	1.6075	1.7309	1.7304
05	1.4686	1.4681	1.6320	1.6315	1.7661	1.7656	2.1036	2.1031
06	1.6637	1.6632	△	△	2.1291	2.1286	2.3785	2.3780
07	1.9353	1.9348	△	△	2.4597	2.4592	2.6751	2.6746
08	2.2123	2.2118	2.3767	2.3762	2.7411	2.7406	3.0578	3.0573
09	2.4325	2.4320	2.6438	2.6432	2.9526	2.9520	3.3902	3.3896
10	2.6077	2.6071	△	△	△	△	3.7203	3.7197
11	△	△	3.1707	3.1701	3.4656	3.4650	4.0793	4.0787
12	△	△	3.3678	3.3672	3.8491	3.8485	4.4289	4.4282
13	△	△	3.5649	3.5642	4.1658	4.1651	4.7785	4.7778
14	△	△	△	△	4.3915	4.3908	5.0938	5.0931
15	△	△	△	△	4.5585	4.5578	5.4782	5.4774
16	△	△	4.4527	4.4520	4.9081	4.9074	5.8045	5.8037
17	△	△	4.6532	4.6524	5.2845	5.2837	6.1981	6.1973
18	△	△	△	△	5.5984	5.5976	6.5124	6.5116
19	△	△	△	△	5.9548	5.9540	6.8322	6.8314
20	△	△	5.3676	5.3668	6.3474	6.3466	7.2802	7.2793

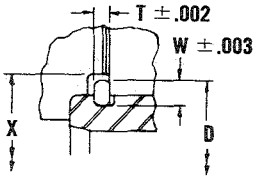
△ Consult NDH Engineering Department for size.

METRIC HY-ROLL BEARINGS FITTING PRACTICE

OUTER RING O. D. GROVE AND SNAP RING DIMENSIONS

A F B M A STANDARD





SERIES			A				B	C		D	T	W	X
1000 1900	1200 5200	1300 5300 7300	1000-1900		1200-1300 5200-5300-7300		Width	Diameter		Assembled Diameter	Thick-ness	Section Height	Counter Bore Min.
			Nominal Dimension	±Tol.	Nominal Dimension	±Tol.	Nominal Dimension	Nominal Dimension	+.000 −Tol.	Nominal Dimension	Nominal Dimension	Nominal Dimension	Nominal Dimension
	1200				.078	±.003	.056	1.109	−.010	1.359	.042	.125	1.391
1002	1201		.078	±.003	.078	±.003	.056	1.187	−.010	1.438	.042	.125	1.469
1003	1202	1300	.078	±.003	.078	±.003	.056	1.306	−.010	1.547	.042	.125	1.578
		1301			.078	±.003	.056	1.369	−.010	1.609	.042	.125	1.641
1904			.065	±.003			.040	1.405	−.010	1.562	.031	.078	1.594
	1203				.078	±.003	.056	1.500	−.010	1.750	.042	.125	1.781
1004		1302	.078	±.003	.078	±.003	.056	1.565	−.010	1.812	.042	.125	1.844
1905			.065	±.003			.040	1.602	−.010	1.750	.031	.078	1.781
1005	1204	1303	.078	±.003	.094	±.003	.056	1.756	−.010	2.062	.042	.156	2.094
1906			.065	±.003			.040	1.798	−.010	1.953	.031	.078	1.984
	1205	1304			.094	±.003	.056	1.958	−.010	2.266	.042	.156	2.297
1006			.078	±.004			.056	2.071	−.010	2.375	.042	.156	2.406
1907			.065	±.004			.040	2.114	−.010	2.281	.031	.078	2.312
1007	1206	1305	.078	±.004	.125	±.004	.078	2.347	−.020	2.656	.065	.156	2.688
1908			.065	±.004			.040	2.390	−.020	2.562	.031	.078	2.594
1008			.094	±.004			.078	2.552	−.020	2.922	.065	.188	2.984
1909			.065	±.004			.040	2.626	−.020	2.797	.031	.078	2.828
	1207	1306			.125	±.004	.078	2.709	−.020	3.078	.065	.188	3.141
1910			.065	±.004			.040	2.783	−.020	2.953	.031	.078	2.984
1009			.094	±.004			.078	2.828	−.020	3.203	.065	.188	3.266
1010	1208	1307	.094	±.004	.125	±.004	.078	3.024	−.020	3.406	.065	.188	3.469
1911			.078	±.004			.056	3.066	−.020	3.312	.042	.125	3.375
	1209				.125	±.004	.078	3.221	−.020	3.594	.065	.188	3.656
1912			.078	±.004			.056	3.263	−.020	3.516	.042	.125	3.578
1011	1210	1308	.109	±.004	.125	±.004	.109	3.417	−.020	3.797	.095	.188	3.359
1913			.078	±.004			.056	3.459	−.020	3.703	.042	.125	3.766
1012			.109	±.004			.109	3.615	−.020	3.984	.095	.188	4.047
1013	1211	1309	.109	±.004	.125	±.004	.109	3.811	−.020	4.188	.095	.188	4.250
1914			.094	±.004			.056	3.853	−.020	4.109	.042	.125	4.172
1915			.094	±.004			.056	4.040	−.020	4.359	.042	.156	4.422
1014	1212	1310	.109	±.004	.125	±.004	.109	4.205	−.020	4.578	.095	.188	4.641
1916			.094	±.004			.056	4.237	−.020	4.547	.042	.156	4.609
1015			.109	±.004			.109	4.402	−.020	4.781	.095	.188	4.844
	1213	1311			.156	±.004	.125	4.536	−.020	5.094	.109	.281	5.156
1917			.125	±.004			.056	4.630	−.020	4.938	.042	.156	5.000
1016	1214		.109	±.004	.156	±.004	.125	4.733	−.020	5.297	.109	.281	5.359
1918			.125	±.004			.056	4.827	−.020	5.141	.042	.156	5.203
1017	1215	1312	.109	±.004	.156	±.004	.125	4.930	−.020	5.500	.109	.281	5.562
1919			.125	±.004			.056	5.024	−.020	5.328	.042	.156	5.391
1018	1216	1313	.141	±.005	.188	±.005	.125	5.324	−.020	5.891	.109	.281	5.953
1920			.125	±.005			.078	5.418	−.020	5.734	.065	.156	5.797
1019			.141	±.005			.125	5.521	−.020	6.078	.109	.281	6.141
1921			.125	±.005			.078	5.615	−.020	5.922	.065	.156	5.984
1020	1217	1314	.141	±.005	.188	±.005	.125	5.718	−.020	6.281	.109	.281	6.344
1922			.125	±.005			.078	5.812	−.020	6.125	.065	.156	6.188
1021	1218	1315	.141	±.005	.188	±.005	.125	6.111	−.020	6.672	.109	.281	6.734
1924			.141	±.005			.078	6.371	−.020	6.750	.065	.188	6.812
1022	1219	1316	.141	±.005	.219	±.005	.141	6.443	−.020	7.188	.120	.375	7.250

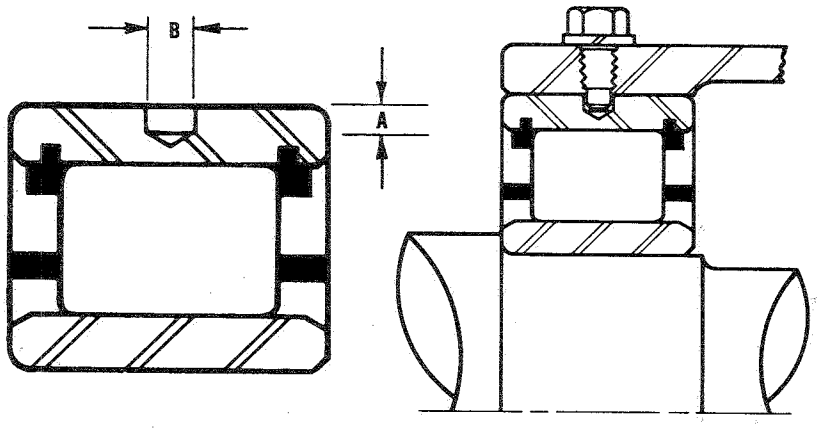
Suffix symbol "G" is used with bearing number to indicate outer ring with standard O.D. groove. Example 1207TGS, 1207ZG.

On non-symmetrical rings, types L and Y, Standard Location is at the thin end of the ring:

METRIC HY-ROLL BEARINGS FITTING PRACTICE

BEARINGS WITH OUTER RING O. D. DOWEL HOLES

Bearings may be located in a housing with a dowel through a housing hole registering with a blind hole in the outer ring. A dowel, so applied, prevents both lateral and rotational movement of the outer ring. This is also an added safety measure in cases of press fitted rings. The hole dimensions, opposite the bearing sizes to which they apply, are tabulated below. Consult your NDH Sales Representative for available sizes.



TYPICAL APPLICATION

SERIES

1000	1200 5300	1300 5300 7300	1900
0000 thru 006	200 thru 204	300 thru 302	904 thru 910
007 thru 010	205 and 206	303 thru 305	911 thru 916
011 thru 017	207 thru 210	– – –	917 thru 924
018 thru 021	211 thru 215	306 thru 309	926 thru 928
022 thru 028	216 and 217	310 thru 313	930 thru 938
030 thru 064	218 thru 228	314 thru 321	940 thru 964
– – –	230 thru 264	322 thru 340	– – –

DOWEL HOLE DIMENSIONS

A DEPTH	B SIZE
No Dowel Hole	
.040-.060	9/32
.060-.080	9/32
.090-.100	5/16
.120-.140	3/8
.160-.180	7/16
.180-.210	1/2

HOLE DIA. TOLERANCE +.010 –.000

Hole size to apply to all widths in their respective series.

Blind hole centrally located in the width of the outer ring.

Suffix symbol "F" is used with bearing number to indicate outer ring with a blind hole. Example: 1207TFS, 1207ZF.

99000 SERIES HY-ROLL BEARINGS

SHAFT AND HOUSING DIAMETER LIMITS FOR 99200, C99200, 99300, C99300 SERIES

Basic Bearing Number	SHAFT DIAMETER – INCHES						HOUSING BORE – INCHES			
	200 and 300 Series		C200 Series		C300 Series		200 and C200 Series		300 and C300 Series	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
05	.9850	.9846	—	—	1.2500	1.2495	—	—	2.4419	2.4409
06	1.1818	1.1814	1.5000	1.4994	1.5000	1.4994	2.4419	2.4409	2.8357	2.8346
07	1.3788	1.3784	1.7499	1.7493	1.7499	1.7493	2.8357	2.8346	3.1508	3.1496
08	1.5756	1.5752	1.9999	1.9992	1.9999	1.9992	3.1508	3.1496	3.5446	3.5432
09	1.7727	1.7721	2.1874	2.1867	2.2499	2.2492	3.3478	3.3465	3.9384	3.9369
10	1.9695	1.9689	2.3748	2.3741	2.4998	2.4990	3.5446	3.5432	4.3322	4.3306
11	2.1666	2.1659	2.6248	2.6240	2.7498	2.7490	3.9384	3.9369	4.7260	4.7243
12	2.3634	2.3627	2.8748	2.8740	2.9998	2.9990	4.3322	4.3306	5.1197	5.1179
13	2.5603	2.5596	3.1248	3.1239	3.2497	3.2488	4.7260	4.7243	5.5135	5.5116
14	2.7574	2.7567	3.3122	3.3113	3.4997	3.4988	4.9229	4.9212	5.9073	5.9053
15	2.9543	2.9536	3.4997	3.4988	3.7497	3.7488	5.1197	5.1179	6.3011	6.2990
16	3.1511	3.1504	3.7497	3.7488	3.9996	3.9986	5.5135	5.5116	6.6948	6.6926
17	3.3484	3.3475	3.9996	3.9986	4.2496	4.2486	5.9073	5.9053	7.0886	7.0863
18	3.5452	3.5443	4.2496	4.2486	4.4996	4.4986	6.3011	6.2990	7.4824	7.4800
19	3.7421	3.7412	4.4996	4.4986	4.7495	4.7485	6.6948	6.6926	7.8762	7.8737
20	3.9389	3.9380	4.7495	4.7485	4.9995	4.9984	7.0886	7.0863	8.4669	8.4643
22	4.3326	4.3317	5.2495	5.2484	5.4994	5.4983	7.8762	7.8737	9.4512	9.4484
24	4.7263	4.7254	5.6244	5.6233	6.0619	6.0607	8.4669	8.4643	10.2388	10.2358
26 △	5.1203	5.1193	6.0619 △	6.0607 △	6.5618	6.5606	9.0574 △	9.0547 △	11.0263	11.0231
28	5.5140	5.5130	6.6243	6.6231	—	—	9.8450	9.8421	—	—
30	5.9083	5.9073	7.0617	7.0604	—	—	10.6326	10.6295	—	—
32	6.3020	6.3010	7.6242	7.6229	—	—	11.4201	11.4168	—	—
34	6.6957	6.6947	8.0616	8.0602	—	—	12.2076	12.2042	—	—
36	7.0894	7.0884	8.4677	8.4663	—	—	12.6013	12.5978	—	—
40	7.8772	7.8760	9.2489	9.2474	—	—	13.3888	13.3852	—	—
44	8.6646	8.6634	10.4363	10.4347	—	—	14.9637	14.9599	—	—
△ 26	△ CSW99226 and CSD99226		△ 5.9994	△ 5.9982	—	—	△ 8.4669	△ 8.4643	—	—

SHAFT AND HOUSING DIAMETER LIMITS FOR T-SERIES NOTCHED RING BEARINGS

Bearing Number	SHAFT DIAMETER - INCHES		HOUSING BORE - INCHES	
	Maximum	Minimum	Maximum	Minimum
TW99206	1.1263	1.1258	2.4419	2.4409
TXW99206	1.1889	1.1884	2.4419	2.4409
TZW99206	1.1889	1.1884	2.4419	2.4409
TW99207	1.3765	1.3760	2.8357	2.8346
TXW99207	1.2514	1.2509	2.8357	2.8346
TYW99207	1.4390	1.4385	2.8357	2.8346
TZW99207	1.3765	1.3760	2.8357	2.8346
TW99208	1.6266	1.6261	3.1508	3.1496
TXW99208	1.5016	1.5011	3.1508	3.1496
TXW99209	1.6892	1.6887	3.3478	3.3465
TXW99210	1.9393	1.9388	3.5446	3.5432
TXW99211	2.1895	2.1889	3.9384	3.9369
TW99212	2.2520	2.2514	4.3322	4.3306
TXW99212	2.3146	2.3140	4.3322	4.3306
TW99213	2.5021	2.5015	4.7260	4.7243
TXW99213	2.4396	2.4390	4.7260	4.7243
TYW99213	2.6897	2.6891	4.7260	4.7243
TW99215	3.0024	3.0017	5.1197	5.1179
TXW99215	2.9398	2.9391	5.1197	5.1179
T99216	3.2525	3.2518	5.5135	5.5116
T99220	4.0029	4.0021	7.0886	7.0863
TX99220	3.9403	3.9395	7.0886	7.0863

Bearing Number	SHAFT DIAMETER - INCHES		HOUSING BORE - INCHES	
	Maximum	Minimum	Maximum	Minimum
TW99220	4.0029	4.0021	7.0886	7.0863
TXW99220	3.9403	3.9395	7.0886	7.0863
T99222	4.5031	4.5022	7.8762	7.8737
TX99222	4.4405	4.4396	7.8762	7.8737
TW99222	4.5031	4.5022	7.8762	7.8737
TXW99222	4.4405	4.4396	7.8762	7.8737
T99226	4.9408	4.9399	9.0574	9.0547
TXW99226	4.9408	4.9399	9.0574	9.0547
TXW99228	5.4410	5.4400	9.8450	9.8421
TX99228	5.5033	5.5023	9.8450	9.8421
T99228	5.4410	5.4400	9.8450	9.8421
T99230	5.9412	5.9402	10.6326	10.6295
TW99230	5.9412	5.9402	10.6326	10.6295
T99232	6.4414	6.4403	11.4201	11.4168
TW99232	6.4414	6.4403	11.4201	11.4168
TW99236	6.9416	6.9404	12.6013	12.5978
TSW99240	7.5042	7.5030	13.3888	13.3852
TS99240	7.5042	7.5030	13.3888	13.3852
T99307	1.3765	1.3760	3.1508	3.1496
TX99307	1.2514	1.2509	3.1508	3.1496
T99311	2.2520	2.2514	4.7260	4.7243
TM99314	3.0024	3.0017	5.9073	5.9053

The shaft diameter limits given in these tables will result in a press fit between inner ring and shaft. Notched inner rings may be applied with a slip or loose fit and retained with a key, where this may be desirable.

mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
1	0.0394	51	2.0079	101	3.9764	151	5.9449	201	7.9134	251	9.8819
2	0.0787	52	2.0472	102	4.0157	152	5.9843	202	7.9528	252	9.9212
3	0.1181	53	2.0866	103	4.0551	153	6.0236	203	7.9921	253	9.9606
4	0.1575	54	2.1260	104	4.0945	154	6.0630	204	8.0315	254	10.0000
5	0.1969	55	2.1654	105	4.1339	155	6.1024	205	8.0709	255	10.0394
6	0.2362	56	2.2047	106	4.1732	156	6.1417	206	8.1102	256	10.0787
7	0.2756	57	2.2441	107	4.2126	157	6.1811	207	8.1496	257	10.1181
8	0.3150	58	2.2835	108	4.2520	158	6.2205	208	8.1890	258	10.1575
9	0.3543	59	2.3228	109	4.2913	159	6.2598	209	8.2283	259	10.1969
10	0.3937	60	2.3622	110	4.3307	160	6.2992	210	8.2677	260	10.2362
11	0.4331	61	2.4016	111	4.3701	161	6.3386	211	8.3071	261	10.2756
12	0.4724	62	2.4409	112	4.4094	162	6.3780	212	8.3465	262	10.3150
13	0.5118	63	2.4803	113	4.4488	163	6.4173	213	8.3858	263	10.3543
14	0.5512	64	2.5197	114	4.4882	164	6.4567	214	8.4252	264	10.3937
15	0.5906	65	2.5591	115	4.5276	165	6.4961	215	8.4646	265	10.4331
16	0.6299	66	2.5984	116	4.5669	166	6.5354	216	8.5039	266	10.4724
17	0.6693	67	2.6378	117	4.6063	167	6.5748	217	8.5433	267	10.5118
18	0.7087	68	2.6772	118	4.6457	168	6.6142	218	8.5827	268	10.5512
19	0.7480	69	2.7165	119	4.6850	169	6.6535	219	8.6220	269	10.5906
20	0.7874	70	2.7559	120	4.7244	170	6.6929	220	8.6614	270	10.6299
21	0.8268	71	2.7953	121	4.7638	171	6.7323	221	8.7008	271	10.6693
22	0.8661	72	2.8346	122	4.8031	172	6.7717	222	8.7402	272	10.7087
23	0.9055	73	2.8740	123	4.8425	173	6.8110	223	8.7795	273	10.7480
24	0.9449	74	2.9134	124	4.8819	174	6.8504	224	8.8189	274	10.7874
25	0.9843	75	2.9528	125	4.9213	175	6.8898	225	8.8583	275	10.8268
26	1.0236	76	2.9921	126	4.9606	176	6.9291	226	8.8976	276	10.8661
27	1.0630	77	3.0315	127	5.0000	177	6.9685	227	8.9370	277	10.9055

MILLIMETER TO INCH CONVERSION TABLE

28	1.1024	78	3.0709	128	5.0394	178	7.0079	228	8.9764	278	10.9449
29	1.1417	79	3.1102	129	5.0787	179	7.0472	229	9.0157	279	10.9843
30	1.1811	80	3.1496	130	5.1181	180	7.0866	230	9.0551	280	11.0236
31	1.2205	81	3.1890	131	5.1575	181	7.1260	231	9.0945	281	11.0630
32	1.2598	82	3.2283	132	5.1969	182	7.1654	232	9.1339	282	11.1024
33	1.2992	83	3.2677	133	5.2362	183	7.2047	233	9.1732	283	11.1417
34	1.3386	84	3.3071	134	5.2756	184	7.2441	234	9.2126	284	11.1811
35	1.3780	85	3.3465	135	5.3150	185	7.2835	235	9.2520	285	11.2205
36	1.4173	86	3.3858	136	5.3543	186	7.3228	236	9.2913	286	11.2598
37	1.4567	87	3.4252	137	5.3937	187	7.3622	237	9.3307	287	11.2992
38	1.4961	88	3.4646	138	5.4331	188	7.4016	238	9.3701	288	11.3386
39	1.5354	89	3.5039	139	5.4724	189	7.4409	239	9.4094	289	11.3780
40	1.5748	90	3.5433	140	5.5118	190	7.4803	240	9.4488	290	11.4173
41	1.6142	91	3.5827	141	5.5512	191	7.5197	241	9.4882	291	11.4567
42	1.6535	92	3.6220	142	5.5906	192	7.5591	242	9.5276	292	11.4961
43	1.6929	93	3.6614	143	5.6299	193	7.5984	243	9.5669	293	11.5354
44	1.7323	94	3.7008	144	5.6693	194	7.6378	244	9.6063	294	11.5748
45	1.7717	95	3.7402	145	5.7087	195	7.6772	245	9.6457	295	11.6142
46	1.8110	96	3.7795	146	5.7480	196	7.7165	246	9.6850	296	11.6535
47	1.8504	97	3.8189	147	5.7874	197	7.7559	247	9.7244	297	11.6929
48	1.8898	98	3.8583	148	5.8268	198	7.7953	248	9.7638	298	11.7323
49	1.9291	99	3.8976	149	5.8661	199	7.8346	249	9.8031	299	11.7717
50	1.9685	100	3.9370	150	5.9055	200	7.8740	250	9.8425	300	11.8110

DECIMAL EQUIVALENTS — FRACTIONS OF AN INCH

fractions	decimals	fractions	decimals
1/64	.015625	33/64	.515625
1/32	.03125	17/32	.53125
3/64	.046875	35/64	.546875
1/16	.0625	9/16	.5625
5/64	.078125	37/64	.578125
3/32	.09375	19/32	.59375
7/64	.109375	39/64	.609375
1/8	.1250	5/8	.6250
9/64	.140625	41/64	.640625
5/32	.15625	21/32	.65625
11/64	.171875	43/64	.671875
3/16	.1875	11/16	.6875
13/64	.203125	45/64	.703125
7/32	.21875	23/32	.71875
15/64	.234375	47/64	.734375
1/4	.2500	3/4	.7500
17/64	.265625	49/64	.765625
9/32	.28125	25/32	.78125
19/64	.296875	51/64	.796875
5/16	.3125	13/16	.8125
21/64	.328125	53/64	.828125
11/32	.34375	27/32	.84375
23/64	.359375	55/64	.859375
3/8	.3750	7/8	.8750
25/64	.390625	57/64	.890625
13/32	.40625	29/32	.90625
27/64	.421875	59/64	.921875
7/16	.4375	15/16	.9375
29/64	.453125	61/64	.953125
15/32	.46875	31/32	.96875
31/64	.484375	63/64	.984375
1/2	.5000	1	1.0000

NOTE: While every care has been used in compiling this catalog, it is impossible to guarantee completeness and accuracy of data.

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