

Cylindrical Roller Bearings

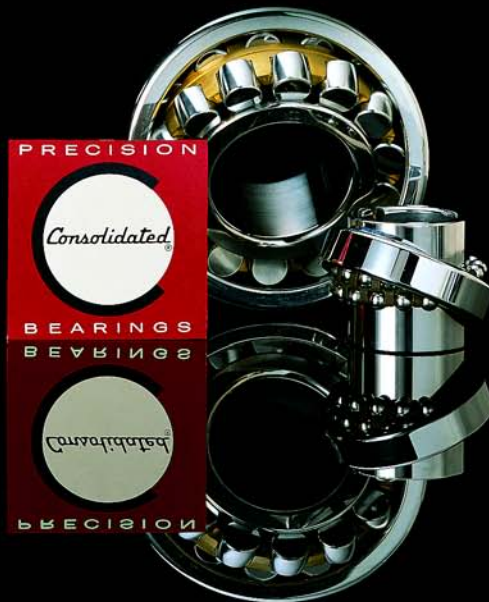


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Product Reference & Interchange Catalog

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CONSOLIDATED BEARINGS COMPANY

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About the Company...

Consolidated Bearings Company, founded in 1932 by William F. Meerwarth, was originally established as a bearing rebuilder and manufacturer. In 1934 **Consolidated** obtained the exclusive contract to represent the SRO Ball Bearing Company of Zürich, Switzerland for sales of its products in the United States.

During World War II, when importing from Europe became non-existent, **Consolidated** concentrated its efforts in its Bearing Rebuilding Division. This Division added many valuable contributions to the War Effort in repairing and rebuilding worn bearings on an emergency basis. For their efforts, **Consolidated** earned the Army/Navy "E" Award.

Soon after the war, **Consolidated** reactivated its Import Division by representing several major European bearing manufacturers. Selling exclusively to Bearing Distributors and OEM Accounts, **Consolidated** established a network of sales offices and district warehouses throughout the United States to provide prompt and efficient service to all its customers.

In 1969, **Consolidated** built and moved to its present location in Cedar Knolls, New Jersey, a suburb West of New York City. Since then, **Consolidated** has twice increased the size of its facilities to keep up with its expanding product line. The most recent enlargement added another 125,000 square feet of warehouse space.

Consolidated is constantly looking at new products and new technologies to meet the future needs of its customers. The goal at **Consolidated** is to provide its customers with the most reliable service possible.

Abbreviations / Brands - Manufacturers

The following is a list of abbreviation/brands we have used in this catalog to identify the manufacturers and their respective country of origin.

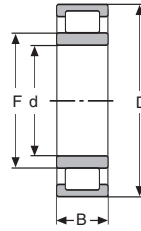
| BRAND | MANUFACTURER |
|----------------|---|
| ADR | Les Applications du Roulement - Div. of SKF Europe - France |
| AETNA | Aetna Bearing Co. - U.S.A. |
| AMERICAN | American Roller Bearing Co. - U.S.A. |
| ANDREWS | Andrews Bearing Corp. – Subs. of MPB Corp. – U.S.A. |
| AURORA | Aurora Bearing Co. – U.S.A. |
| BAL | Emil Baltzer - Germany |
| 4 BARDEN | The Barden Corp. - Div. of Industrierwerk Schaeffler-Germany & USA. |
| BCA | BCA Bearing Div. - Federal Mogul - U.S.A. |
| BERLISS | Berliss Bearing Co. - U.S.A. |
| BOWER | Bower Bearing Div. - Federal Mogul - U.S.A. |
| CFW | Carl Freudenberg - Germany |
| CORLETT-TURNER | Corlett-Turner Co. - U.S.A. |
| ELGES | Helmut Elges GmbH - Germany |
| 3 FAF | Fafnir Bearing - Div. of The Torrington Co. - U.S.A.- Subsidiary of Timken Bearing Co. |
| 4 FAG | FAG Kugelfischer Georg Schafer & Co. - Germany and U.S.A. Subs. of Industrierwerk Schaeffler-Germany & USA. |
| FBC | Fafnir Bearing Co. Ltd. - England |
| FED/Schatz | Schatz Federal Bearing Co. Inc. - U.S.A. |
| GOETZE | Goetzewerka - Germany |
| HEIM | Heim Bearings Div. – Roller Bearing Co. of America – U.S.A. |
| 1 HOFF | Hoffmann Manufacturing Co. - U.S.A. - England |
| HYATT | New Departure Hyatt - Hyatt Bearings Div. - U.S.A. |
| INA | Industrierwerk Schaeffler - Germany & U.S.A. |
| ISC | Ishii Steel Ball Co. Ltd. – Div. of Genbearco International Corp. - Japan |
| KACO | Kupfer-Asbest Co. - Germany |
| KAYDON | Kaydon Corp. - U.S.A. |
| McGILL | McGill Manufacturing Co. - U.S.A. |
| MRC | MRC Bearings - Div. of SKF Industries - U.S.A. |
| NACHI | Nachi-Fujikoshi Corp. - Japan |
| NADELLA | Nadella Societe Anoyma - France |
| ND | New Departure Hyatt - U.S.A. |
| 2 NH | Norma Hoffmann Bearing Corporation - U.S.A. |
| NICE | Nice Ball Bearing Co. - Div. SKF Industries - U.S.A. |
| NMB | Nippon Miniature Bearing Co. Ltd. – Japan |
| NSK | NSK Bearing Corp. - Japan |
| NTN | NTN-Toyo Bearing Co. Ltd. - Japan |
| RBC | Roller Bearing Co. of America - U.S.A. |
| RHP | Ransome Hoffmann Pollard Ltd. - England |
| 1 R&M | Ransome & Marles Bearing Co. Ltd - England |
| RIV | RIV - SKF - Italy |
| RMB | Landis & Gyr, Inc. - U.S.A. |
| ROLLWAY | Rollway Bearing Div. - Lipe-Rollway Corp. - U.S.A. |
| SEALMASTER | Sealmaster Bearing Div. - Emerson Electric - U.S.A. |
| SKF | SKF Industries - U.S.A, Sweden, England, Germany, France |
| SMITH | Smith Bearing Co. - U.S.A. |
| SNR | Societe Nouvelle de Roulements - France |
| SPHERCO | Spherco Bearing Div. – Emerson Electric – U.S.A. |
| 2 SRO | J. Schmid-Roost Ltd. - Switzerland |
| STAR | Deutsche Star Kugelhalter GmbH - Germany |
| STEYR | Steyr-Walzlager GmbH - Subs. of SKF Industries - Austria |
| THOMSON | Thomson Industries Inc. - U.S.A. |
| TORRINGTON | The Torrington Company - U.S.A.- Subsidiary of Timken Bearing Co. |

¹ These manufacturers have been reorganized to form RHP - Ransome Hoffmann Pollard Ltd.

² These manufacturers have been repurchased by FAG. Therefore, these brands are no longer in use.

³ These manufacturers have been reorganized to form a subsidiary of Timken Bearing Co

⁴ These manufacturers have been reorganized to form a division of Industrierwerk Schaeffler-Germany & USA.



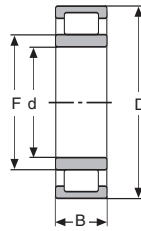
CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | |
|------------------|---------------------|------|-------|-----|---------------------|-------------|------------|
| | d | D | F* | B | | FAG | SKF |
| NU-1904 E | 20 | 37 | 25 | 9 | .110 | - | NU1904E |
| NU-1905 E | 25 | 42 | 30 | 9 | .120 | - | NU1905E |
| NU-1906 E | 30 | 47 | 35 | 9 | .140 | - | NU1906E |
| NU-1907 E | 35 | 55 | 40.5 | 10 | .210 | - | NU1907E |
| NU-1908 E | 40 | 62 | 46 | 12 | .310 | - | NU1908E |
| NU-1909 E | 45 | 68 | 51.5 | 12 | .360 | - | NU1909E |
| NU-1910 E | 50 | 72 | 56 | 12 | .370 | - | NU1910E |
| NU-1911 E | 55 | 80 | 61.5 | 13 | .500 | - | NU1911E |
| NU-1912 E | 60 | 85 | 66.5 | 13 | .520 | - | NU1912E |
| NU-1913 E | 65 | 90 | 71.5 | 13 | .570 | - | NU1913E |
| NU-1914 E | 70 | 100 | 77.5 | 16 | .920 | - | NU1914E |
| NU-1915 E | 75 | 105 | 82.5 | 16 | .970 | - | NU1915E |
| NU-1916 E | 80 | 110 | 87.5 | 16 | 1.030 | - | NU1916E |
| NU-1917 E | 85 | 120 | 94 | 18 | 1.470 | - | NU1917E |
| NU-1918 E | 90 | 125 | 99 | 18 | 1.540 | - | NU1918E |
| NU-1919 E | 95 | 130 | 104 | 18 | 1.610 | - | NU1919E |
| NU-1920 E | 100 | 140 | 110.5 | 20 | 2.200 | - | NU1920E |
| NU-1921 E | 105 | 145 | 115.5 | 20 | 2.300 | - | NU1921E |
| NU-1922 E | 110 | 150 | 120.5 | 20 | 2.380 | - | NU1922E |
| NU-1924 E | 120 | 165 | 131.5 | 22 | 3.200 | - | NU1924E |
| NU-1926 E | 130 | 180 | 142 | 24 | 4.170 | - | NU1926E |
| NU-1928 E | 140 | 190 | 152 | 24 | 4.440 | - | NU1928E |
| NU-1930 E | 150 | 210 | 165 | 28 | 6.810 | - | NU1930E |
| NU-1932 E | 160 | 220 | 175 | 28 | 7.210 | - | NU1932E |
| NU-1934 E | 170 | 230 | 185 | 28 | 7.570 | - | NU1934E |
| NU-1936 E | 180 | 250 | 197 | 33 | 11.180 | - | NU1936E |
| NU-1938 E | 190 | 260 | 207 | 33 | 11.710 | - | NU1938E |
| NU-1940 E | 200 | 280 | 220 | 38 | 16.540 | - | NU1940E |
| NU-1944 E | 220 | 300 | 240 | 38 | 17.950 | - | NU1944E |
| NU-1948 E | 240 | 320 | 260 | 38 | 19.290 | - | NU1948E |
| NU-1952 E | 260 | 360 | 286 | 46 | 32.630 | - | NU1952E |
| NU-1956 E | 280 | 380 | 306 | 46 | 34.620 | - | NU1956E |
| NU-1960 E | 300 | 420 | 330 | 56 | 54.680 | - | NU1960E |
| NU-1964 E | 320 | 440 | 350 | 56 | 57.760 | - | NU1964E |
| NU-1968 E | 340 | 460 | 370 | 56 | 60.850 | - | NU1968E |
| NU-1972 E | 360 | 480 | 390 | 56 | 63.940 | - | NU1972E |
| NU-1976 E | 380 | 520 | 414 | 65 | 92.380 | - | NU1976E |
| NU-1980 E | 400 | 540 | 434 | 65 | 96.570 | - | NU1980E |
| NU-1984 E | 420 | 560 | 454 | 65 | 100.530 | - | NU1984E |
| NU-1988 E | 440 | 600 | 480 | 74 | 140.000 | - | NU1988E |
| NU-1992 E | 460 | 620 | 500 | 74 | 145.290 | NU1992E | NU1992E |
| NU-1996 E | 480 | 650 | 523 | 78 | 169.980 | NU1996E | NU1996E |
| NU-19/500 E | 500 | 670 | 543 | 78 | 175.930 | - | NU19/500E |
| NU-19/530 E | 530 | 710 | 575 | 82 | 207.680 | - | NU19/530E |
| NU-19/560 E | 560 | 750 | 608 | 85 | 240.310 | NU19/560E | NU19/560E |
| NU-19/600 E | 600 | 800 | 649 | 90 | 286.600 | NU19/600E | NU19/600E |
| NU-19/630 E | 630 | 850 | 683 | 100 | 368.170 | - | NU19/630E |
| NU-19/670 E | 670 | 900 | 728 | 103 | 423.290 | NU19/670E | NU19/670E |
| NU-19/710 E | 710 | 950 | 769 | 106 | 478.400 | - | NU19/710E |
| NU-19/750 E | 750 | 1000 | 815 | 112 | 557.770 | - | NU19/750E |
| NU-19/800 E | 800 | 1060 | 866 | 115 | 630.520 | - | NU19/800E |
| NU-19/850 E | 850 | 1120 | 919 | 118 | 712.090 | - | NU19/850E |
| NU-19/900 E | 900 | 1180 | 969 | 122 | 806.890 | - | NU19/900E |
| NU-19/950 E | 950 | 1250 | 1024 | 132 | 985.460 | - | NU19/950E |
| NU-19/1000 E | 1000 | 1320 | 1079 | 140 | 1177.260 | - | NU19/1000E |

* "F" dimension equal to FAG and SKF. Other manufacturers "F" dimension may vary.

NOTE:

- 1.) These bearings are available in C/2, C/3, C/4 and C/5 internal clearance.
- 2.) Some sizes are available in ABEC #3 (P/6) precision.



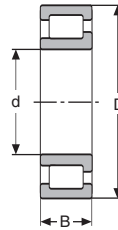
CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange FAG SKF |
|------------------|---------------------|------|-------|-----|---------------------|---------------------|
| | d | D | F* | B | | |
| NU-2904 E | 20 | 37 | 25 | 11 | .130 | NU2904E |
| NU-2905 E | 25 | 42 | 30 | 11 | .150 | NU2905E |
| NU-2906 E | 30 | 47 | 35 | 11 | .170 | NU2906E |
| NU-2907 E | 35 | 55 | 40.5 | 13 | .270 | NU2907E |
| NU-2908 E | 40 | 62 | 46 | 14 | .360 | NU2908E |
| NU-2909 E | 45 | 68 | 51.5 | 14 | .420 | NU2909E |
| NU-2910 E | 50 | 72 | 56 | 14 | .430 | NU2910E |
| NU-2911 E | 55 | 80 | 61.5 | 16 | .610 | NU2911E |
| NU-2912 E | 60 | 85 | 66.5 | 16 | .660 | NU2912E |
| NU-2913 E | 65 | 90 | 71.5 | 16 | .700 | NU2913E |
| NU-2914 E | 70 | 100 | 77.5 | 19 | 1.100 | NU2914E |
| NU-2915 E | 75 | 105 | 82.5 | 19 | 1.160 | NU2915E |
| NU-2916 E | 80 | 110 | 87.5 | 19 | 1.260 | NU2916E |
| NU-2917 E | 85 | 120 | 94 | 22 | 1.810 | NU2917E |
| NU-2918 E | 90 | 125 | 99 | 22 | 1.890 | NU2918E |
| NU-2919 E | 95 | 130 | 104 | 22 | 1.980 | NU2919E |
| NU-2920 E | 100 | 140 | 110.5 | 24 | 2.650 | NU2920E |
| NU-2921 E | 105 | 145 | 115.5 | 24 | 2.750 | NU2921E |
| NU-2922 E | 110 | 150 | 120.5 | 24 | 2.870 | NU2922E |
| NU-2924 E | 120 | 165 | 131.5 | 27 | 3.950 | NU2924E |
| NU-2926 E | 130 | 180 | 142 | 30 | 5.250 | NU2926E |
| NU-2928 E | 140 | 190 | 152 | 30 | 5.560 | NU2928E |
| NU-2930 E | 150 | 210 | 165 | 36 | 8.820 | NU2930E |
| NU-2932 E | 160 | 220 | 175 | 36 | 9.260 | NU2932E |
| NU-2934 E | 170 | 230 | 185 | 36 | 9.790 | NU2934E |
| NU-2936 E | 180 | 250 | 197 | 42 | 14.310 | NU2936E |
| NU-2938 E | 190 | 260 | 207 | 42 | 15.000 | NU2938E |
| NU-2940 E | 200 | 280 | 222 | 48 | 21.060 | NU2940E |
| NU-2944 E | 220 | 300 | 240 | 48 | 22.930 | NU2944E |
| NU-2948 E | 240 | 320 | 260 | 48 | 24.480 | NU2948E |
| NU-2952 E | 260 | 360 | 286 | 60 | 42.770 | NU2952E |
| NU-2956 E | 280 | 380 | 306 | 60 | 45.420 | NU2956E |
| NU-2960 E | 300 | 420 | 330 | 72 | 71.210 | NU2960E |
| NU-2964 E | 320 | 440 | 350 | 72 | 75.180 | NU2964E |
| NU-2968 E | 340 | 460 | 370 | 72 | 79.150 | NU2968E |
| NU-2972 E | 360 | 480 | 390 | 72 | 83.120 | NU2972E |
| NU-2976 E | 380 | 520 | 414 | 82 | 117.950 | NU2976E |
| NU-2980 E | 400 | 540 | 434 | 82 | 123.460 | NU2980E |
| NU-2984 E | 420 | 560 | 454 | 82 | 128.530 | NU2984E |
| NU-2988 E | 440 | 600 | 480 | 95 | 182.320 | NU2988E |
| NU-2992 E | 460 | 620 | 500 | 95 | 189.160 | NU2992E |
| NU-2996 E | 480 | 650 | 523 | 100 | 220.460 | NU2996E |
| NU-29/500 E | 500 | 670 | 543 | 100 | 229.280 | NU29/500E |
| NU-29/530 E | 530 | 710 | 575 | 106 | 273.370 | NU29/530E |
| NU-29/560 E | 560 | 750 | 608 | 112 | 321.880 | NU29/560E |
| NU-29/600 E | 600 | 800 | 649 | 118 | 379.200 | NU29/600E |
| NU-29/630 E | 630 | 850 | 683 | 128 | 476.200 | NU29/630E |
| NU-29/670 E | 670 | 900 | 728 | 136 | 564.380 | NU29/670E |
| NU-29/710 E | 710 | 950 | 769 | 140 | 639.340 | NU29/710E |
| NU-29/750 E | 750 | 1000 | 815 | 145 | 731.930 | NU29/750E |
| NU-29/800 E | 800 | 1060 | 866 | 150 | 831.140 | NU29/800E |
| NU-29/850 E | 850 | 1120 | 919 | 155 | 945.780 | NU29/850E |
| NU-29/900 E | 900 | 1180 | 969 | 165 | 1095.690 | NU29/900E |
| NU-29/950 E | 950 | 1250 | 1024 | 175 | 1318.350 | NU29/950E |
| NU-29/1000 E | 1000 | 1320 | 1079 | 185 | 1569.680 | NU29/1000E |

*"F" dimension equal to FAG and SKF. Other manufacturers "F" dimension may vary.

NOTE:

- 1.) These bearings are available in C/2, C/3, C/4, and C/5 internal clearance.
- 2.) Some sizes are available in ABEC #3 (P/6) precision.

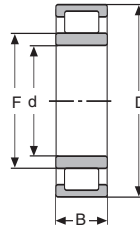


CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|---------------------|------------------------|-----|-----|---------------------------|-------------|-----------|
| | d | D | B | | FAG | SKF |
| NJ-1002 | 15 | 32 | 9 | .090 | NJ 1002E | - |
| NJ-1003 | 17 | 35 | 10 | .130 | NJ 1003E | - |
| NJ-1004 | 20 | 42 | 12 | .200 | NJ 1004E | - |
| NJ-1005 | 25 | 47 | 12 | .200 | NJ 1005E | NJ 1005 |
| NJ-1006 | 30 | 55 | 13 | .300 | NJ 1006E | NJ 1006 |
| NJ-1007 | 35 | 62 | 14 | .400 | NJ 1007E | NJ 1007 |
| NJ-1008 | 40 | 68 | 15 | .500 | NJ 1008E | NJ 1008 |
| NJ-1009 | 45 | 75 | 16 | .620 | NJ 1009E | NJ 1009 |
| NJ-1010 | 50 | 80 | 16 | .680 | NJ 1010E | NJ 1010 |
| NJ-1011 | 55 | 90 | 18 | .990 | NJ 1011E | NJ 1011 |
| NJ-1012 | 60 | 95 | 18 | 1.060 | NJ 1012E | NJ 1012 |
| NJ-1013 | 65 | 100 | 18 | 1.130 | NJ 1013E | NJ 1013 |
| NJ-1014 | 70 | 110 | 20 | 1.570 | NJ 1014E | NJ 1014 |
| NJ-1015 | 75 | 115 | 20 | 1.650 | NJ 1015E | NJ 1015 |
| NJ-1016 | 80 | 125 | 22 | 2.210 | NJ 1016E | NJ 1016 |
| NJ-1017 | 85 | 130 | 22 | 2.320 | NJ 1017E | NJ 1017 |
| NJ-1018 | 90 | 140 | 24 | 3.000 | NJ 1018E | NJ 1018 |
| NJ-1019 | 95 | 145 | 24 | 3.130 | NJ 1019E | NJ 1019 |
| NJ-1020 | 100 | 150 | 24 | 3.260 | NJ 1020E | NJ 1020 |
| NJ-1021 | 105 | 160 | 26 | 4.120 | NJ 1021 | NJ 1021 |
| NJ-1022 | 110 | 170 | 28 | 5.090 | NJ 1022E | NJ 1022 |
| NJ-1024 | 120 | 180 | 28 | 5.450 | NJ 1024 | NJ 1024 |
| NJ-1026 | 130 | 200 | 33 | 8.250 | NJ 1026E | NJ 1026 |
| NJ-1028 | 140 | 210 | 33 | 8.820 | NJ 1028E | NJ 1028 |
| NJ-1030 | 150 | 225 | 35 | 10.800 | NJ 1030E | NJ 1030 |
| NJ-1032 | 160 | 240 | 38 | 13.230 | NJ 1032E | NJ 1032 |
| NJ-1034 | 170 | 260 | 42 | 17.990 | NJ 1034E | NJ 1034 |
| NJ-1036 | 180 | 280 | 46 | 23.600 | NJ 1036E | NJ 1036 |
| NJ-1038 | 190 | 290 | 46 | 24.700 | NJ 1038E | NJ 1038 |
| NJ-1040 | 200 | 310 | 51 | 32.190 | NJ 1040E | NJ 1040 |
| NJ-1044 | 220 | 340 | 56 | 41.450 | NJ 1044E | NJ 1044 |
| NJ-1048 | 240 | 360 | 56 | 44.980 | NJ 1048E | NJ 1048 |
| NJ-1052 | 260 | 400 | 65 | 65.920 | NJ 1052E | NJ 1052 |
| NJ-1056 | 280 | 420 | 65 | 69.220 | NJ 1056E | NJ 1056 |
| NJ-1060 | 300 | 460 | 74 | 97.880 | NJ 1060E | NJ 1060 |
| NJ-1064 | 320 | 480 | 74 | 102.070 | NJ 1064E | NJ 1064 |
| NJ-1068 | 340 | 520 | 82 | 138.890 | NJ 1068 | NJ 1068 |
| NJ-1072 | 360 | 540 | 82 | 144.840 | NJ 1072 | NJ 1072 |
| NJ-1076 | 380 | 560 | 82 | 151.460 | NJ 1076 | NJ 1076 |
| NJ-1080 | 400 | 600 | 90 | 203.930 | NJ 1080 | NJ 1080 |
| NJ-1084 | 420 | 620 | 90 | 204.810 | NJ 1084 | NJ 1084 |
| NJ-1088 | 440 | 650 | 94 | 233.690 | NJ 1088 | NJ 1088 |
| NJ-1092 | 460 | 680 | 100 | 273.370 | NJ 1092 | NJ 1092 |
| NJ-1096 | 480 | 700 | 100 | 282.190 | NJ 1096 | NJ 1096 |
| NJ-10/500 | 500 | 720 | 100 | 293.220 | NJ 10/500 | NJ 10/500 |

NOTE:

- 1.) The above series is equipped with machined bronze cage - "M" suffix.
- 2.) These bearings are available in C/2, C/3, C/4 and C/5 internal clearance.
- 3.) Some sizes are available in ABEC #3 (P/6) precision.



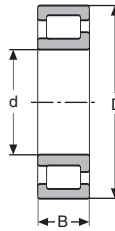
CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|-----|-------|-----|---------------------|-------------|-----------|------------|
| | d | D | F* | B | | FAG SKF | STEYR | Torrington |
| NU-1002 | 15 | 32 | 19.5 | 9 | .090 | NU 1002 | NU 1002 | - |
| NU-1003 | 17 | 35 | 22 | 10 | .130 | NU 1003 | NU 1003 | - |
| NU-1004 | 20 | 42 | 25.5 | 12 | .200 | NU 1004 | NU 1004 | - |
| NU-1005 | 25 | 47 | 30.5 | 12 | .200 | NU 1005 | NU 1005 | NU 1005 |
| NU-1006 | 30 | 55 | 36.5 | 13 | .300 | NU 1006 | NU 1006 | NU 1006 |
| NU-1007 | 35 | 62 | 42 | 14 | .400 | NU 1007 | NU 1007 | NU 1007 |
| NU-1008 | 40 | 68 | 47 | 15 | .500 | NU 1008 | NU 1008 | NU 1008 |
| NU-1009 | 45 | 75 | 52.5 | 16 | .620 | NU 1009 | NU 1009 | NU 1009 |
| NU-1010 | 50 | 80 | 57.5 | 16 | .680 | NU 1010 | NU 1010 | NU 1010 |
| NU-1011 | 55 | 90 | 64.5 | 18 | .990 | NU 1011 | NU 1011 | NU 1011 |
| NU-1012 | 60 | 95 | 69.5 | 18 | 1.060 | NU 1012 | NU 1012 | NU 1012 |
| NU-1013 | 65 | 100 | 74.5 | 18 | 1.130 | NU 1013 | NU 1013 | NU 1013 |
| NU-1014 | 70 | 110 | 80 | 20 | 1.570 | NU 1014 | NU 1014 | - |
| NU-1015 | 75 | 115 | 85 | 20 | 1.650 | NU 1015 | NU 1015 | - |
| NU-1016 | 80 | 125 | 91.5 | 22 | 2.210 | NU 1016 | NU 1016 | - |
| NU-1017 | 85 | 130 | 96.5 | 22 | 2.320 | NU 1017 | NU 1017 | - |
| NU-1018 | 90 | 140 | 103 | 24 | 3.000 | NU 1018 | NU 1018 | - |
| NU-1019 | 95 | 145 | 108 | 24 | 3.130 | NU 1019 | NU 1019 | - |
| NU-1020 | 100 | 150 | 113 | 24 | 3.260 | NU 1020 | NU 1020 | - |
| NU-1021 | 105 | 160 | 119.5 | 26 | 4.120 | NU 1021 | NU 1021 | - |
| NU-1022 | 110 | 170 | 125 | 28 | 5.090 | NU 1022 | NU 1022 | - |
| NU-1024 | 120 | 180 | 135 | 28 | 5.450 | NU 1024 | NU 1024 | - |
| NU-1026 | 130 | 200 | 148 | 33 | 8.250 | NU 1026 | NU 1026 | - |
| NU-1028 | 140 | 210 | 158 | 33 | 8.820 | NU 1028 | NU 1028 | - |
| NU-1030 | 150 | 225 | 169.5 | 35 | 10.800 | NU 1030 | NU 1030 | - |
| NU-1032 | 160 | 240 | 180 | 38 | 13.230 | NU 1032 | NU 1032 | - |
| NU-1034 | 170 | 260 | 193 | 42 | 17.990 | NU 1034 | NU 1034 | - |
| NU-1036 | 180 | 280 | 205 | 46 | 23.600 | NU 1036 | NU 1036 | - |
| NU-1038 | 190 | 290 | 215 | 46 | 24.700 | NU 1038 | NU 1038 | - |
| NU-1040 | 200 | 310 | 229 | 51 | 32.190 | NU 1040 | NU 1040 | - |
| NU-1044 | 220 | 340 | 250 | 56 | 41.450 | NU 1044 | NU 1044 | - |
| NU-1048 | 240 | 360 | 270 | 56 | 44.980 | NU 1048 | NU 1048 | - |
| NU-1052 | 260 | 400 | 296 | 65 | 65.920 | NU 1052 | NU 1052 | - |
| NU-1056 | 280 | 420 | 316 | 65 | 69.220 | NU 1056 | NU 1056 | - |
| NU-1060 | 300 | 460 | 340 | 74 | 97.880 | NU 1060 | NU 1060 | - |
| NU-1064 | 320 | 480 | 360 | 74 | 102.070 | NU 1064 | NU 1064 | - |
| NU-1068 | 340 | 520 | 385 | 82 | 138.890 | NU 1068 | NU 1068 | - |
| NU-1072 | 360 | 540 | 405 | 82 | 144.840 | NU 1072 | NU 1072 | - |
| NU-1076 | 380 | 560 | 425 | 82 | 151.460 | NU 1076 | NU 1076 | - |
| NU-1080 | 400 | 600 | 450 | 90 | 203.930 | NU 1080 | NU 1080 | - |
| NU-1084 | 420 | 620 | 470 | 90 | 204.810 | NU 1084 | NU 1084 | - |
| NU-1088 | 440 | 650 | 493 | 94 | 233.690 | NU 1088 | NU 1088 | - |
| NU-1092 | 460 | 680 | 516 | 100 | 273.370 | NU 1092 | NU 1092 | - |
| NU-1096 | 480 | 700 | 536 | 100 | 282.190 | NU 1096 | NU 1096 | - |
| NU-10/500 | 500 | 720 | 556 | 100 | 293.220 | NU 10/500 | NU 10/500 | - |
| NU-10/530 | 530 | 780 | 591 | 112 | 417.000 | NU 10/530 | - | - |
| NU-10/560 | 560 | 820 | 626 | 115 | 474.000 | NU 10/560 | - | - |

*"F" dimension equal to FAG and SKF. Other manufacturers "F" dimension may vary.

NOTE:

- 1.) The above series is supplied in machined bronze cage - "M" suffix.
- 2.) Some sizes are available in ABEC #3 (P/6) precision.

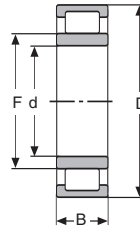


CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|------------------|---------------------|-----|-----|---------------------|-------------|----------|
| | d | D | B | | FAG | SKF |
| NJ-2004 E | 20 | 42 | 14 | .220 | NJ2004E | NJ2004E |
| NJ-2005 E | 25 | 47 | 14 | .250 | NJ2005E | NJ2005E |
| NJ-2006 E | 30 | 55 | 16 | .380 | NJ2006E | NJ2006E |
| NJ-2007 E | 35 | 62 | 17 | .500 | NJ2007E | NJ2007E |
| NJ-2008 E | 40 | 68 | 18 | .610 | NJ2008E | NJ2008E |
| NJ-2009 E | 45 | 75 | 19 | .780 | NJ2009E | NJ2009E |
| NJ-2010 E | 50 | 80 | 19 | .840 | NJ2010E | NJ2010E |
| NJ-2011 E | 55 | 90 | 22 | 1.270 | NJ2011E | NJ2011E |
| NJ-2012 E | 60 | 95 | 22 | 1.360 | NJ2012E | NJ2012E |
| NJ-2013 E | 65 | 100 | 22 | 1.450 | NJ2013E | NJ2013E |
| NJ-2014 E | 70 | 110 | 24 | 1.940 | NJ2014E | NJ2014E |
| NJ-2015 E | 75 | 115 | 24 | 2.050 | NJ2015E | NJ2015E |
| NJ-2016 E | 80 | 125 | 27 | 2.820 | NJ2016E | NJ2016E |
| NJ-2017 E | 85 | 130 | 27 | 2.720 | NJ2017E | NJ2017E |
| NJ-2018 E | 90 | 140 | 30 | 3.880 | NJ2018E | NJ2018E |
| NJ-2019 E | 95 | 145 | 30 | 4.060 | NJ2019E | NJ2019E |
| NJ-2020 E | 100 | 150 | 30 | 4.210 | NJ2020E | NJ2020E |
| NJ-2022 E | 110 | 170 | 36 | 6.830 | NJ2022E | NJ2022E |
| NJ-2024 E | 120 | 180 | 36 | 7.350 | NJ2024E | NJ2024E |
| NJ-2026 E | 130 | 200 | 42 | 10.980 | NJ2026E | NJ2026E |
| NJ-2028 E | 140 | 210 | 42 | 11.750 | NJ2028E | NJ2028E |
| NJ-2030 E | 150 | 225 | 45 | 14.400 | NJ2030E | NJ2030E |
| NJ-2032 E | 160 | 240 | 48 | 17.620 | NJ2032E | NJ2032E |
| NJ-2034 E | 170 | 260 | 54 | 23.590 | NJ2034E | NJ2034E |
| NJ-2036 E | 180 | 280 | 60 | 31.310 | NJ2036E | NJ2036E |
| NJ-2038 E | 190 | 290 | 60 | 32.850 | NJ2038E | NJ2038E |
| NJ-2040 E | 200 | 310 | 66 | 42.330 | NJ2040E | NJ2040E |
| NJ-2044 E | 220 | 340 | 72 | 55.560 | NJ2044E | NJ2044E |
| NJ-2048 E | 240 | 360 | 72 | 59.750 | NJ2048E | NJ2048E |
| NJ-2052 E | 260 | 400 | 82 | 87.090 | NJ2052E | NJ2052E |
| NJ-2056 E | 280 | 420 | 82 | 92.160 | NJ2056E | NJ2056E |
| NJ-2060 E | 300 | 460 | 95 | 133.600 | NJ2060E | NJ2060E |
| NJ-2064 E | 320 | 480 | 95 | 140.440 | NJ2064E | NJ2064E |
| NJ-2068 E | 340 | 520 | 106 | 187.840 | NJ2068E | NJ2068E |
| NJ-2072 E | 360 | 540 | 106 | 196.430 | NJ2072E | NJ2072E |
| NJ-2076 E | 380 | 560 | 106 | 207.900 | NJ2076E | NJ2076E |
| NJ-2080 E | 400 | 600 | 118 | 273.870 | NJ2080E | NJ2080E |
| NJ-2084 E | 420 | 620 | 118 | 284.100 | NJ2084E | NJ2084E |
| NJ-2088 E | 440 | 650 | 122 | 317.470 | NJ2088E | NJ2088E |
| NJ-2092 E | 460 | 680 | 128 | 365.940 | NJ2092E | NJ2092E |
| NJ-2096 E | 480 | 700 | 128 | 376.990 | NJ2096E | NJ2096E |
| NJ-20/500 E | 500 | 720 | 128 | 390.220 | NJ20/500E | NJ20/500 |

NOTE:

- 1.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.
- 2.) Some sizes are available in ABEC #3 (P/6) precision.



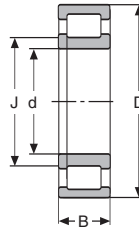
CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange FAG SKF (Eur.) |
|------------------|---------------------|-----|-------|-----|---------------------|----------------------------|
| | d | D | F* | B | | |
| NU-2004 E | 20 | 42 | 25.5 | 14 | .220 | NU2004E |
| NU-2005 E | 25 | 47 | 30.5 | 14 | .250 | NU2005E |
| NU-2006 E | 30 | 55 | 36 | 16 | .380 | NU2006E |
| NU-2007 E | 35 | 62 | 41.5 | 17 | .500 | NU2007E |
| NU-2008 E | 40 | 68 | 47 | 18 | .610 | NU2008E |
| NU-2009 E | 45 | 75 | 52.5 | 19 | .780 | NU2009E |
| NU-2010 E | 50 | 80 | 57.5 | 19 | .840 | NU2010E |
| NU-2011 E | 55 | 90 | 64 | 22 | 1.270 | NU2011E |
| NU-2012 E | 60 | 95 | 69 | 22 | 1.360 | NU2012E |
| NU-2013 E | 65 | 100 | 74 | 22 | 1.450 | NU2013E |
| NU-2014 E | 70 | 110 | 79.5 | 24 | 1.940 | NU2014E |
| NU-2015 E | 75 | 115 | 84.5 | 24 | 2.050 | NU2015E |
| NU-2016 E | 80 | 125 | 91 | 27 | 2.830 | NU2016E |
| NU-2017 E | 85 | 130 | 96 | 27 | 2.720 | NU2017E |
| NU-2018 E | 90 | 140 | 102 | 30 | 3.880 | NU2018E |
| NU-2019 E | 95 | 145 | 107 | 30 | 4.060 | NU2019E |
| NU-2020 E | 100 | 150 | 112 | 30 | 4.210 | NU2020E |
| NU-2022 E | 110 | 170 | 125 | 36 | 6.840 | NU2022E |
| NU-2024 E | 120 | 180 | 135 | 36 | 7.350 | NU2024E |
| NU-2026 E | 130 | 200 | 147 | 42 | 10.980 | NU2026E |
| NU-2028 E | 140 | 210 | 157 | 42 | 11.690 | NU2028E |
| NU-2030 E | 150 | 225 | 168.5 | 45 | 14.400 | NU2030E |
| NU-2032 E | 160 | 240 | 179 | 48 | 17.440 | NU2032E |
| NU-2034 E | 170 | 260 | 191 | 54 | 23.590 | NU2034E |
| NU-2036 E | 180 | 280 | 204 | 60 | 31.310 | NU2036E |
| NU-2038 E | 190 | 290 | 214 | 60 | 32.840 | NU2038E |
| NU-2040 E | 200 | 310 | 227 | 66 | 42.330 | NU2040E |
| NU-2044 E | 220 | 340 | 250 | 72 | 55.560 | NU2044E |
| NU-2048 E | 240 | 360 | 270 | 72 | 59.750 | NU2048E |
| NU-2052 E | 260 | 400 | 294 | 82 | 87.090 | NU2052E |
| NU-2056 E | 280 | 420 | 314 | 82 | 92.160 | NU2056E |
| NU-2060 E | 300 | 460 | 341 | 95 | 133.600 | NU2060E |
| NU-2064 E | 320 | 480 | 361 | 95 | 140.440 | NU2064E |
| NU-2068 E | 340 | 520 | 385 | 106 | 187.840 | NU2068E |
| NU-2072 E | 360 | 540 | 405 | 106 | 196.430 | NU2072E |
| NU-2076 E | 380 | 560 | 428 | 106 | 207.900 | NU2076E |
| NU-2080 E | 400 | 600 | 450 | 118 | 273.370 | NU2080E |
| NU-2084 E | 420 | 620 | 473 | 118 | 284.400 | NU2084E |
| NU-2088 E | 440 | 650 | 492 | 122 | 317.470 | NU2088E |
| NU-2092 E | 460 | 680 | 513 | 128 | 365.940 | NU2092E |
| NU-2096 E | 480 | 700 | 533 | 128 | 376.990 | NU2096E |
| NU-20/500 E | 500 | 720 | 553 | 128 | 390.220 | NU20/500E |

*"F" dimension equal to FAG and SKF. Other manufacturers "F" dimension may vary.

NOTE:

- 1.) These bearings are available in C/2, C/3, C/4, and C/5 internal clearance.
- 2.) Some sizes are available in ABEC #3 (P/6) precision.



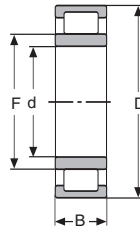
CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange FAG SKF |
|------------------|---------------------|-----|--------|-----|---------------------|---------------------------|
| | d | D | J* | B | | |
| NUP-2004 E | 20 | 42 | 28.25 | 14 | .220 | NUP2004E |
| NUP-2005 E | 25 | 47 | 33.25 | 14 | .250 | NUP2005E |
| NUP-2006 E | 30 | 55 | 39.1 | 16 | .380 | NUP2006E |
| NUP-2007 E | 35 | 62 | 44.8 | 17 | .500 | NUP2007E |
| NUP-2008 E | 40 | 68 | 50.3 | 18 | .610 | NUP2008E |
| NUP-2009 E | 45 | 75 | 56 | 19 | .780 | NUP2009E |
| NUP-2010 E | 50 | 80 | 61 | 19 | .840 | NUP2010E |
| NUP-2011 E | 55 | 90 | 67.85 | 22 | 1.270 | NUP2011E |
| NUP-2012 E | 60 | 95 | 72.85 | 22 | 1.360 | NUP2012E |
| NUP-2013 E | 65 | 100 | 77.85 | 22 | 1.450 | NUP2013E |
| NUP-2014 E | 70 | 110 | 84.05 | 24 | 1.940 | NUP2014E |
| NUP-2015 E | 75 | 115 | 89.05 | 24 | 2.050 | NUP2015E |
| NUP-2016 E | 80 | 125 | 95.9 | 27 | 2.830 | NUP2016E |
| NUP-2017 E | 85 | 130 | 100.9 | 27 | 2.720 | NUP2017E |
| NUP-2018 E | 90 | 140 | 107.65 | 30 | 3.880 | NUP2018E |
| NUP-2019 E | 95 | 145 | 112.65 | 30 | 4.060 | NUP2019E |
| NUP-2020 E | 100 | 150 | 117.65 | 30 | 4.210 | NUP2020E |
| NUP-2022 E | 110 | 170 | 131.35 | 36 | 6.840 | NUP2022E |
| NUP-2024 E | 120 | 180 | 141.35 | 36 | 7.350 | NUP2024E |
| NUP-2026 E | 130 | 200 | 154.45 | 42 | 10.980 | NUP2026E |
| NUP-2028 E | 140 | 210 | 164.45 | 42 | 11.690 | NUP2028E |
| NUP-2030 E | 150 | 225 | 176.3 | 45 | 14.400 | NUP2030E |
| NUP-2032 E | 160 | 240 | 187.5 | 48 | 17.440 | NUP2032E |
| NUP-2034 E | 170 | 260 | 201 | 54 | 23.590 | NUP2034E |
| NUP-2036 E | 180 | 280 | 215.05 | 60 | 31.310 | NUP2036E |
| NUP-2038 E | 190 | 290 | 225.05 | 60 | 22.840 | NUP2038E |
| NUP-2040 E | 200 | 310 | 238.7 | 66 | 42.330 | NUP2040E |
| NUP-2044 E | 220 | 340 | 262.35 | 72 | 55.360 | NUP2044E |
| NUP-2048 E | 240 | 360 | 282.35 | 72 | 59.750 | NUP2048E |
| NUP-2052 E | 260 | 400 | 308.55 | 82 | 87.090 | NUP2052E |
| NUP-2056 E | 280 | 420 | 328.55 | 82 | 92.190 | NUP2056E |
| NUP-2060 E | 300 | 460 | 356.9 | 95 | 133.600 | NUP2060E |
| NUP-2064 E | 320 | 480 | 376.9 | 95 | 140.440 | NUP2064E |
| NUP-2068 E | 340 | 520 | 403.2 | 106 | 187.840 | NUP2068E |
| NUP-2072 E | 360 | 540 | 423.2 | 106 | 196.430 | NUP2072E |
| NUP-2076 E | 380 | 560 | 446 | 106 | 207.900 | NUP2076E |
| NUP-2080 E | 400 | 600 | 469.1 | 118 | 273.870 | NUP2080E |
| NUP-2084 E | 420 | 620 | 492.1 | 118 | 284.400 | NUP2084E |
| NUP-2088 E | 440 | 650 | 513.2 | 122 | 317.470 | NUP2088E |
| NUP-2092 E | 460 | 680 | 535.6 | 128 | 365.940 | NUP2092E |
| NUP-2096 E | 480 | 700 | 555.6 | 128 | 376.990 | NUP2096E |
| NUP-20/500 E | 500 | 720 | 575.6 | 128 | 390.220 | NUP20/500E |

*"J" dimension equal to FAG and SKF. Other manufacturers "J" dimension may vary.

NOTE:

- 1.) These bearings are available in C/2, C/3, C/4, W/23, and C/5 internal clearance.
- 2.) Some sizes are available in ABEC #3 (P/6) precision.



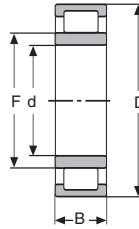
CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|------|-------|-----|---------------------|-------------|----------|------------|
| | d | D | F* | B | | AMERICAN | FAG | TORRINGTON |
| NU-3004 | 20 | 42 | 25.5 | 16 | .250 | - | NU3004 | - |
| NU-3005 | 25 | 47 | 30.5 | 16 | .290 | - | NU3005 | - |
| NU-3006 | 30 | 55 | 36.5 | 19 | .460 | - | NU3006 | - |
| NU-3007 | 35 | 62 | 42 | 20 | .600 | - | NU3007 | - |
| NU-3008 | 40 | 68 | 47 | 21 | .720 | - | NU3008 | - |
| NU-3009 | 45 | 75 | 52.5 | 23 | .940 | - | NU3009 | - |
| NU-3010 | 50 | 80 | 57.5 | 23 | 1.020 | - | NU3010 | - |
| NU-3011 | 55 | 90 | 64.5 | 26 | 1.520 | - | NU3011 | - |
| NU-3012 | 60 | 95 | 69.5 | 26 | 1.620 | - | NU3012 | - |
| NU-3013 | 65 | 100 | 74.5 | 26 | 1.720 | - | NU3013 | - |
| NU-3014 | 70 | 110 | 80 | 30 | 2.450 | - | NU3014 | - |
| NU-3015 | 75 | 115 | 85 | 30 | 2.550 | - | NU3015 | - |
| NU-3016 | 80 | 125 | 91.5 | 34 | 3.540 | - | NU3016 | - |
| NU-3017 | 85 | 130 | 96.5 | 34 | 4.170 | - | NU3017 | - |
| NU-3018 | 90 | 140 | 103 | 37 | 4.820 | - | NU3018 | - |
| NU-3019 | 95 | 145 | 108 | 37 | 5.050 | - | NU3019 | - |
| NU-3020 | 100 | 150 | 113 | 37 | 5.250 | - | NU3020 | - |
| NU-3021 | 105 | 160 | 119.5 | 41 | 6.820 | - | NU3021 | - |
| NU-3022 | 110 | 170 | 125 | 45 | 8.540 | - | NU3022 | - |
| NU-3024 | 120 | 180 | 135 | 46 | 9.350 | AD 5024 | NU3024 | 120RU30 |
| NU-3026 | 130 | 200 | 148 | 52 | 13.850 | AD 5026 | NU3026 | 130RU30 |
| NU-3028 | 140 | 210 | 158 | 53 | 14.930 | AD 5028 | NU3028 | 140RU30 |
| NU-3030 | 150 | 225 | 169.5 | 56 | 18.170 | AD 5030 | NU3030 | 150RU30 |
| NU-3032 | 160 | 240 | 180 | 60 | 21.920 | AD 5032 | NU3032 | 160RU30 |
| NU-3034 | 170 | 260 | 193 | 67 | 29.770 | AD 5034 | NU3034 | 170RU30 |
| NU-3036 | 180 | 280 | 205 | 74 | 39.250 | AD 5036 | NU3036 | 180RU30 |
| NU-3038 | 190 | 290 | 215 | 75 | 41.440 | AD 5038 | NU3038 | 190RU30 |
| NU-3040 | 200 | 310 | 229 | 82 | 53.350 | AD 5040 | NU3040 | 200RU30 |
| NU-3044 | 220 | 340 | 250 | 90 | 69.670 | AD 5044 | NU3044 | 220RU30 |
| NU-3048 | 240 | 360 | 270 | 92 | 76.060 | AD 5048 | NU3048 | 240RU30 |
| NU-3052 | 260 | 400 | 296 | 104 | 111.120 | AD 5052 | NU3052 | 260RU30 |
| NU-3056 | 280 | 420 | 316 | 106 | 120.150 | AD 5056 | NU3056 | 280RU30 |
| NU-3060 | 300 | 460 | 340 | 118 | 165.790 | AD 5060 | NU3060 | 300RU30 |
| NU-3064 | 320 | 480 | 360 | 121 | 178.350 | AD 5064 | NU3064 | 320RU30 |
| NU-3068 | 340 | 520 | 385 | 133 | 238.100 | - | NU3068 | 340RU30 |
| NU-3072 | 360 | 540 | 405 | 134 | 249.120 | - | NU3072 | 360RU30 |
| NU-3076 | 380 | 560 | 425 | 135 | 262.350 | - | NU3076 | 380RU30 |
| NU-3080 | 400 | 600 | 450 | 148 | 341.720 | - | NU3080 | 400RU30 |
| NU-3084 | 420 | 620 | 470 | 150 | 359.350 | - | NU3084 | 420RU30 |
| NU-3088 | 440 | 650 | 493 | 157 | 416.670 | - | NU3088 | 440RU30 |
| NU-3092 | 460 | 680 | 516 | 163 | 473.990 | - | NU3092 | 460RU30 |
| NU-3096 | 480 | 700 | 536 | 165 | 496.040 | - | NU3096 | 480RU30 |
| NU-30/500 | 500 | 720 | 556 | 167 | 518.090 | - | NU30/500 | 500RU30 |
| NU-30/530 | 530 | 780 | 591 | 185 | 698.860 | - | NU30/530 | 530RU30 |
| NU-30/560 | 560 | 820 | 626 | 195 | 809.090 | - | NU30/560 | 560RU30 |
| NU-30/600 | 600 | 870 | 667 | 200 | 919.320 | - | NU30/600 | 600RU30 |
| NU-30/630 | 630 | 920 | 700 | 212 | 1091.280 | - | NU30/630 | - |
| NU-30/670 | 670 | 980 | 745 | 230 | 1353.630 | - | NU30/670 | - |
| NU-30/710 | 710 | 1030 | 790 | 236 | 1514.560 | - | NU30/710 | - |
| NU-30/750 | 750 | 1090 | 835 | 250 | 1787.930 | - | NU30/750 | - |

*"F" dimension equal to FAG and SKF. Other manufacturers "F" dimension may vary.

NOTE:

- 1.) These bearings are available in C/2, C/3, C/4 and C/5 internal clearance.
- 2.) These bearings are available with tapered bore - 1:12 taper - suffix "K".

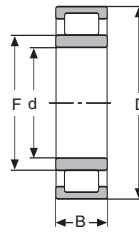


CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric/ Inch) | | | | Approx. Wgt. (lbs.) | Interchange |
|------------------|---------------------------|-----|---------|-----|---------------------|-------------|
| | d | D | F | B | | |
| A-5026 WB | 130 | 200 | 5.8125 | 52 | 13.500 | E 5026 U |
| A-5028 WB | 140 | 210 | 6.1875 | 53 | 14.600 | E 5028 U |
| A-5030 WB | 150 | 225 | 6.6250 | 56 | 17.700 | E 5030 U |
| A-5032 WB | 160 | 240 | 7.0000 | 60 | 21.700 | E 5032 U |
| A-5034 WB | 170 | 260 | 7.6875 | 67 | 29.100 | E 5034 U |
| A-5036 WB | 180 | 280 | 7.9375 | 74 | 38.400 | E 5036 U |
| A-5038 WB | 190 | 290 | 8.3750 | 75 | 40.600 | E 5038 U |
| A-5040 WB | 200 | 310 | 8.9375 | 82 | 52.500 | E 5040 U |
| A-5044 WB | 220 | 340 | 9.7500 | 90 | 68.900 | E 5044 U |
| A-5048 WB | 240 | 360 | 10.5625 | 92 | 75.800 | - |
| A-5052 WB | 260 | 400 | 11.5000 | 104 | 109.800 | - |
| A-5056 WB | 280 | 420 | 12.2500 | 106 | 118.800 | - |
| A-5060 WB | 300 | 460 | 13.3750 | 118 | 166.000 | - |
| A-5064 WB | 320 | 480 | 14.1250 | 121 | 179.100 | - |
| A-5068 WB | 340 | 520 | 15.1875 | 133 | 237.200 | - |
| A-5072 WB | 360 | 540 | 16.0000 | 134 | 250.400 | - |
| A-5076 WB | 380 | 560 | 16.7500 | 135 | 263.400 | - |
| A-5080 WB | 400 | 600 | - | 148 | 341.700 | - |
| A-5084 WB | 420 | 620 | 18.4375 | 150 | 362.600 | - |
| A-5088 WB | 440 | 650 | 19.4375 | 157 | 417.500 | - |
| A-5092 WB | 460 | 680 | 20.3125 | 163 | 475.200 | - |
| A-5096 WB | 480 | 700 | 21.0625 | 165 | 497.400 | - |

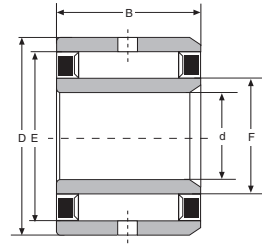
CYLINDRICAL ROLLER BEARINGS

| | | | | | | AMERICAN | TORRINGTON |
|------------------|-----|-----|-------|---------|---------|----------|------------|
| | d | D | F | B | | | |
| A-5128 WB | 140 | 220 | 63.5 | 6.3750 | 20.500 | AD 5128 | 140RU91 |
| A-5130 WB | 150 | 235 | 66.7 | 6.8750 | 24.500 | AD 5130 | 150RU91 |
| A-5132 WB | 160 | 250 | 73 | 7.2500 | 30.300 | AD 5132 | 160RU91 |
| A-5134 WB | 170 | 265 | 76.2 | 7.6250 | 35.500 | AD 5134 | 170RU91 |
| A-5136 WB | 180 | 280 | 82.6 | 8.0625 | 42.900 | AD 5136 | 180RU91 |
| A-5138 WB | 190 | 300 | 85.7 | 8.6250 | 52.500 | AD 5138 | 190RU91 |
| A-5140 WB | 200 | 320 | 88.9 | 9.1250 | 63.400 | AD 5140 | 200RU91 |
| A-5142 WB | 210 | 340 | 95.3 | 9.6250 | 77.700 | AD 5142 | 210RU91 |
| A-5144 WB | 220 | 350 | 98.4 | 10.0000 | 82.900 | AD 5144 | 220RU91 |
| A-5146 WB | 230 | 370 | 101.6 | 10.5000 | 97.700 | AD 5146 | 230RU91 |
| A-5148 WB | 240 | 390 | 108 | 10.9375 | 117.700 | AD 5148 | 240RU91 |
| A-5150 WB | 250 | 410 | 111.1 | 11.5625 | 134.300 | AD 5150 | 250RU91 |
| A-5152 WB | 260 | 430 | 114.3 | 12.1250 | 154.300 | AD 5152 | 260RU91 |
| A-5156 WB | 280 | 460 | 123.8 | 13.0000 | 192.800 | AD 5156 | 280RU91 |
| A-5160 WB | 300 | 480 | 127 | 13.5625 | 205.100 | AD 5160 | 300RU91 |
| A-5164 WB | 320 | 500 | 130.2 | 14.3125 | 221.200 | AD 5164 | 320RU91 |



CYLINDRICAL ROLLER BEARINGS

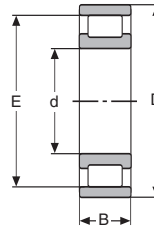
| Consolidated No. | Dimensions (Metric/Inch) | | | | Approx. Wgt. (lbs.) | Interchange | | | |
|------------------|--------------------------|-----|---------|--------|---------------------|-------------|------------|---------------------|------------|
| | d | D | F | B | | BOWER | HYATT | ROLLWAY | TORRINGTON |
| A-5208 WB | 40 | 80 | 1.9657 | 1.1875 | 1.710 | MA 5208 EL | A5208TS/WB | E-5208-B/E-5208-UMR | - |
| A-5209 WB | 45 | 85 | 2.1858 | 1.1875 | 1.850 | MA 5209 EL | A5209TS/WB | E-5209-B/E-5209-UMR | - |
| A-5210 WB | 50 | 90 | 2.3803 | 1.1875 | 2.000 | MA 5210 EL | A5210TS/WB | E-5210-B/E-5210-UMR | - |
| A-5211 WB | 55 | 100 | 2.6339 | 1.3125 | 2.720 | MA 5211 EL | A5211TS/WB | E-5211-B/E-5211-UMR | - |
| A-5212 WB | 60 | 110 | 2.8496 | 1.4375 | 3.650 | MA 5212 EL | A5212TS/WB | E-5212-B/E-5212-UMR | - |
| A-5213 WB | 65 | 120 | 3.1662 | 1.5000 | 4.540 | MA 5213 EL | A5213TS/WB | E-5213-B/E-5213-UMR | - |
| A-5214 WB | 70 | 125 | 3.3375 | 1.5625 | 4.980 | MA 5214 EL | A5214TS/WB | E-5214-B/E-5214-UMR | - |
| A-5215 WB | 75 | 130 | 3.5045 | 1.6250 | 5.490 | MA 5215 EL | A5215TS/WB | E-5215-B/E-5215-UMR | - |
| A-5216 WB | 80 | 140 | 3.7514 | 1.7500 | 6.500 | MA 5216 EL | A5216TS/WB | E-5216-B/E-5216-UMR | - |
| A-5217 WB | 85 | 150 | 4.0160 | 1.9375 | 8.250 | MA 5217 EL | A5217TS/WB | E-5217-B/E-5217-UMR | - |
| A-5218 WB | 90 | 160 | 4.2212 | 2.0625 | 11.000 | MA 5218 EL | A5218TS/WB | E-5218-B/E-5218-UMR | - |
| A-5219 WB | 95 | 170 | 4.4692 | 2.1875 | 12.500 | MA 5219 EL | A5219TS/WB | E-5219-B/E-5219-UMR | - |
| A-5220 WB | 100 | 180 | 4.7640 | 2.3750 | 16.000 | MA 5220 EL | A5220TS/WB | E-5220-B/E-5220-UMR | A-5220-WM |
| A-5221 WB | 105 | 190 | 4.9811 | 2.5625 | 19.500 | - | A5221TS/WB | E-5221-B/E-5221-UMR | - |
| A-5222 WB | 110 | 200 | 5.2343 | 2.7500 | 23.500 | MA 5222 EL | A5222TS/WB | E-5222-B/E-5222-UMR | A-5222-WM |
| A-5224 WB | 120 | 215 | 5.7141 | 3.0000 | 28.440 | MA 5224 EL | A5224TS/WB | E-5224-B/E-5224-UMR | A-5224-WM |
| A-5226 WB | 130 | 230 | 6.1013 | 3.1250 | 33.690 | MA 5226 EL | A5226TS/WB | E-5226-B/E-5226-UMR | A-5226-WM |
| A-5228 WB | 140 | 250 | 6.6323 | 3.2500 | 42.180 | - | A5228TS/WB | E-5228-B/E-5228-UMR | A-5228-WM |
| A-5230 WB | 150 | 270 | 7.1474 | 3.5000 | 52.550 | - | A5230TS/WB | E-5230-B/E-5230-UMR | A-5230-WM |
| A-5232 WB | 160 | 290 | 7.6234 | 3.8750 | 67.690 | - | A5232TS/WB | E-5232-B/E-5232-UMR | A-5232-WM |
| A-5234 WB | 170 | 310 | 8.0899 | 4.1250 | 82.600 | - | A5234TS/WB | E-5234-B/E-5234-UMR | A-5234-WM |
| A-5236 WB | 180 | 320 | 8.5153 | 4.2500 | 88.790 | - | A5236TS/WB | E-5236-B/E-5236-UMR | A-5236-WM |
| A-5238 WB | 190 | 340 | 9.0131 | 4.5000 | 103.690 | - | A5238WB | E-5238-UMR | A-5238-WM |
| A-5240 WB | 200 | 360 | 9.5353 | 4.7500 | 123.350 | - | A5240WB | E-5240-UMR | A-5240-WM |
| A-5244 WB | 220 | 400 | 10.4687 | 5.2500 | 175.000 | - | A5244WB | E-5244-UMR | A-5244-WM |
| A-5248 WB | 240 | 440 | 11.4640 | 5.7500 | 234.000 | - | A5248WB | E-5248-UMR | A-5248-WM |
| A-5306 WB | 30 | 72 | 1.6016 | 1.1875 | 1.190 | - | A5306TS/WB | E-5306-B/E-5306-UMR | - |
| A-5307 WB | 35 | 80 | 1.8442 | 1.3750 | 2.160 | MA 5307 EL | A5307TS/WB | E-5307-B/E-5307-UMR | - |
| A-5308 WB | 40 | 90 | 2.0590 | 1.4375 | 2.780 | MA 5308 EL | A5308TS/WB | E-5308-B/E-5308-UMR | - |
| A-5309 WB | 45 | 100 | 2.3371 | 1.5625 | 3.800 | MA 5309 EL | A5309TS/WB | E-5309-B/F-5309-UMR | - |
| A-5310 WB | 50 | 110 | 2.5648 | 1.7500 | 5.160 | - | A5310TS/WB | E-5310-B/E-5310-UMR | - |
| A-5311 WB | 55 | 120 | 2.8123 | 1.9375 | 6.420 | - | A5311TS/WB | E-5311-B/E-5311-UMR | - |
| A-5312 WB | 60 | 130 | 3.0532 | 2.1250 | 8.450 | - | A5312TS/WB | E-5312-B/E-5312-UMR | - |
| A-5313 WB | 65 | 140 | 3.2943 | 2.3130 | 10.580 | MA 5313 EL | A5313TS/WB | E-5313-B/E-5313-UMR | - |
| A-5314 WB | 70 | 150 | 3.5115 | 2.5000 | 13.580 | - | A5314TS/WB | E-5314-B/E-5314-UMR | - |
| A-5315 WB | 75 | 160 | 3.7764 | 2.6875 | 15.540 | - | A5315TS/WB | E-5315-B/E-5315-UMR | - |
| A-5316 WB | 80 | 170 | 4.0014 | 2.6875 | 18.280 | - | A5316TS/WB | E-5316-B/E-5316-UMR | - |
| A-5317 WB | 85 | 180 | 4.2725 | 2.8750 | 21.710 | - | A5317TS/WB | E-5317-B/E-5317-UMR | - |
| A-5318 WB | 90 | 190 | 4.4894 | 2.8750 | 24.170 | - | A5318TS/WB | E-5318-UMR | - |
| A-5319 WB | 95 | 200 | 4.8092 | 3.0625 | 29.320 | - | A5319TS/WB | E-5319-UMR | - |
| A-5320 WB | 100 | 215 | 5.1246 | 3.2500 | 33.320 | - | A5320TS/WB | E-5320-UMR | 100 RU 33 |
| A-5321 WB | 105 | 225 | 5.3615 | 3.4375 | 40.950 | - | A5321TS | - | 105 RU 33 |
| A-5322 WB | 110 | 240 | 5.7187 | 3.6250 | 50.670 | - | A5322TS/WB | E-5322-UMR | 110 RU 33 |
| A-5324 WB | 120 | 260 | 6.1820 | 4.1250 | 64.500 | - | A5324TS/WB | E-5324-UMR | 120 RU 33 |



CYLINDRICAL ROLLER BEARINGS*

| Consolidated No. | Dimensions (Metric) | | Dimensions (Inch) | | | Approx. Wgt. (lbs.) | Interchange | | | |
|------------------|---------------------|-----|-------------------|--------|---------|---------------------|-------------|---------|-------|-----------|
| | d | D | F | B | E | | AMERICAN | HYATT | RBC | ROLLWAY |
| AW-206 | 30 | 62 | 1.5000 | 1.1250 | 2.1250 | 1.004 | - | W-99206 | W-206 | D-206-18 |
| AW-207 | 35 | 72 | 1.7500 | 1.1875 | 2.5000 | 1.312 | - | W-99207 | W-207 | D-207-19 |
| AW-208 | 40 | 80 | 2.0000 | 1.3750 | 2.7500 | 1.995 | - | W-99208 | W-208 | D-208-22 |
| AW-209 | 45 | 85 | 2.1875 | 1.5625 | 2.9375 | 2.485 | - | - | W-209 | D-209-25 |
| AW-210 | 50 | 90 | 2.3750 | 1.7500 | 3.1250 | 2.950 | - | W-99210 | W-210 | D-210-28 |
| AW-211 | 55 | 100 | 2.6250 | 1.8125 | 3.5000 | 3.913 | - | - | W-211 | D-211-29 |
| AW-212 | 60 | 110 | 2.8750 | 1.9375 | 3.8750 | 4.970 | - | W-99212 | W-212 | D-212-31 |
| AW-213 | 65 | 120 | 3.1250 | 2.0625 | 4.1250 | 6.420 | - | - | W-213 | D-213-33 |
| AW-214 | 70 | 125 | 3.3125 | 2.3750 | 4.3125 | 7.603 | - | W-99214 | W-214 | D-214-38 |
| AW-215 | 75 | 130 | 3.5000 | 2.6250 | 4.5000 | 9.078 | AW-215-H | W-99215 | W-215 | D-215-42 |
| AW-216 | 80 | 140 | 3.7500 | 2.6250 | 4.8750 | 10.143 | AW-216-H | - | W-216 | D-216-42 |
| AW-217 | 85 | 150 | 4.0000 | 2.7500 | 5.1250 | 12.736 | AW-217-H | W-99217 | W-217 | D-217-44 |
| AW-218 | 90 | 160 | 4.2500 | 2.8125 | 5.6250 | 14.764 | AW-218-H | - | W-218 | D-218-45 |
| AW-219 | 95 | 170 | 4.5000 | 3.0000 | 6.0000 | 18.307 | AW-219-H | - | W-219 | D-219-48 |
| AW-220 | 100 | 180 | 4.7500 | 3.2500 | 6.2500 | 22.575 | AW-220-H | W-99220 | W-220 | D-220-52 |
| AW-222 | 110 | 200 | 5.2500 | 3.5000 | 7.0000 | 29.618 | AW-222-H | W-99222 | W-222 | D-222-56 |
| AW-224 | 120 | 215 | 5.6250 | 3.8750 | 7.5000 | 37.921 | AW-224-H | W-99224 | W-224 | D-224-62 |
| AW-226 | 130 | 230 | 6.0625 | 4.2500 | 8.0625 | 45.065 | AW-226-H | W-99226 | W-226 | D-226-68 |
| AW-228 | 140 | 250 | 6.6250 | 4.7500 | 8.7500 | 62.641 | AW-228-H | - | W-228 | D-228-76 |
| AW-230 | 150 | 270 | 7.0625 | 4.7500 | 9.4375 | 70.085 | AW-230-H | - | W-230 | D-230-76 |
| AW-232 | 160 | 290 | 7.6250 | 4.8750 | 10.1250 | 84.560 | AW-232-H | W-99232 | W-232 | D-232-78 |
| AD-210 | 50 | 90 | 2.3750 | 3.5000 | 3.1250 | 5.900 | - | D-99210 | D-210 | D-210-56 |
| AD-211 | 55 | 100 | 2.6250 | 3.6250 | 3.5000 | 7.826 | - | - | D-211 | D-211-58 |
| AD-212 | 60 | 110 | 2.8750 | 3.8750 | 3.8750 | 9.940 | - | D-99212 | D-212 | D-212-62 |
| AD-213 | 65 | 120 | 3.1250 | 4.1250 | 4.1250 | 12.840 | - | - | D-213 | D-213-66 |
| AD-214 | 70 | 125 | 3.3125 | 4.7500 | 4.3125 | 15.206 | - | D-99214 | D-214 | D-214-76 |
| AD-215 | 75 | 130 | 3.5000 | 5.2500 | 4.5000 | 18.156 | AD-215-H | D-99215 | D-215 | D-215-84 |
| AD-216 | 80 | 140 | 3.7500 | 5.2500 | 4.8750 | 20.286 | AD-216-H | - | D-216 | D-216-84 |
| AD-217 | 85 | 150 | 4.0000 | 5.5000 | 5.2500 | 25.472 | AD-217-H | D-99217 | D-217 | D-217-88 |
| AD-218 | 90 | 160 | 4.2500 | 5.6250 | 5.6250 | 29.528 | AD-218-H | - | D-218 | D-218-90 |
| AD-219 | 95 | 170 | 4.5000 | 6.0000 | 6.0000 | 37.339 | AD-219-H | - | D-219 | - |
| AD-220 | 100 | 180 | 4.7500 | 6.5000 | 6.2500 | 45.150 | AD-220-H | D-99220 | D-220 | D-220-104 |
| AD-222 | 110 | 200 | 5.2500 | 7.0000 | 7.0000 | 59.236 | AD-222-H | D-99222 | D-222 | D-222-112 |
| AD-224 | 120 | 215 | 5.6250 | 7.7500 | 7.5000 | 75.842 | AD-224-H | D-99224 | D-224 | D-224-124 |
| AD-226 | 130 | 230 | 6.0625 | 8.5000 | 8.0625 | 90.130 | AD-226-H | D-99226 | D-226 | D-226-136 |
| AD-228 | 140 | 250 | 6.6250 | 9.5000 | 8.7500 | 125.282 | AD-228-H | - | D-228 | D-228-152 |
| AD-232 | 160 | 290 | 7.6250 | 9.7500 | 10.1250 | 169.120 | AD-232-H | D-99232 | D-232 | D-232-156 |

*Only sold as complete bearings.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | | | | |
|------------------|---------------------|-----|-------|----|---------------------|---------------|-----------|-------|-----------------------|----------------------|------------|
| | d | D | E* | B | | FAG SKF STEYR | HYATT IKO | HOFF | ROLLWAY (Bronze Cage) | ROLLWAY (Steel Cage) | TORRINGTON |
| N-200 | 10 | 30 | 25 | 9 | .090 | N 200 | - | R 110 | - | - | - |
| N-201 | 12 | 32 | 27 | 10 | .100 | N 201 | - | R 112 | - | - | - |
| N-202 | 15 | 35 | 29.3 | 11 | .130 | N 202 | - | R 115 | - | - | - |
| N-203 | 17 | 40 | 33.9 | 12 | .180 | N 203 | - | R 117 | - | - | - |
| N-204 | 20 | 47 | 40 | 14 | .280 | N 204 | BU 1204 Z | R 120 | MCS 204 | RCS 204 | - |
| N-205 | 25 | 52 | 45 | 15 | .340 | N 205 | BU 1205 Z | R 125 | MCS 205 | RCS 205 | - |
| N-206 | 30 | 62 | 53.5 | 16 | .510 | N 206 | BU 1206 Z | R 130 | MCS 206 | RCS 206 | - |
| N-207 | 35 | 72 | 61.8 | 17 | .730 | N 207 | BU 1207 Z | R 135 | MCS 207 | RCS 207 | - |
| N-208 | 40 | 80 | 70 | 18 | .960 | N 208 | BU 1208 Z | R 140 | MCS 208 | RCS 208 | - |
| N-209 | 45 | 85 | 75 | 19 | 1.080 | N 209 | BU 1209 Z | R 145 | MCS 209 | RCS 209 | - |
| N-210 | 50 | 90 | 80.4 | 20 | 1.200 | N 210 | BU 1210 Z | R 150 | MCS 210 | RCS 210 | - |
| N-211 | 55 | 100 | 88.5 | 21 | 1.600 | N 211 | BU 1211 Z | R 155 | MCS 211 | RCS 211 | - |
| N-212 | 60 | 110 | 97.5 | 22 | 2.050 | N 212 | BU 1212 Z | R 160 | MCS 212 | RCS 212 | - |
| N-213 | 65 | 120 | 105.6 | 23 | 2.690 | N 213 | BU 1213 Z | R 165 | MCS 213 | RCS 213 | - |
| N-214 | 70 | 125 | 110.5 | 24 | 2.890 | N 214 | BU 1214 Z | R 170 | MCS 214 | RCS 214 | - |
| N-215 | 75 | 130 | 116.5 | 25 | 3.130 | N 215 | BU 1215 Z | R 175 | MCS 215 | RCS 215 | - |
| N-216 | 80 | 140 | 125.3 | 26 | 3.890 | N 216 | BU 1216 Z | R 180 | MCS 216 | RCS 216 | - |
| N-217 | 85 | 150 | 133.8 | 28 | 4.930 | N 217 | BU 1217 Z | R 185 | MCS 217 | RCS 217 | - |
| N-218 | 90 | 160 | 143 | 30 | 5.680 | N 218 | BU 1218 Z | R 190 | MCS 218 | RCS 218 | - |
| N-219 | 95 | 170 | 151.5 | 32 | 7.020 | N 219 | BU 1219 Z | R 195 | MCS 219 | RCS 219 | - |
| N-220 | 100 | 180 | 160 | 34 | 8.540 | N 220 | BU 1220 Z | R 200 | MCS 220 | RCS 220 | 100 RN 02 |
| N-221 | 105 | 190 | 168.8 | 36 | 9.970 | N 221 | BU 1221 Z | R 205 | MCS 221 | RCS 221 | 105 RN 02 |
| N-222 | 110 | 200 | 178.5 | 38 | 11.560 | N 222 | BU 1222 Z | R 210 | MCS 222 | RCS 222 | 110 RN 02 |
| N-224 | 120 | 215 | 191.5 | 40 | 14.000 | N 224 | BU 1224 Z | R 220 | MCS 224 | RCS 224 | 120 RN 02 |
| N-226 | 130 | 230 | 204 | 40 | 16.110 | N 226 | BU 1226 Z | R 230 | MCS 226 | RCS 226 | 130 RN 02 |
| N-228 | 140 | 250 | 221 | 42 | 20.330 | N 228 | BU 1228 Z | R 240 | MCS 228 | RCS 228 | 140 RN 02 |
| N-230 | 150 | 270 | 238 | 45 | 25.670 | N 230 | - | - | MCS 230 | - | 150 RN 02 |
| N-232 | 160 | 290 | 255 | 48 | 37.230 | N 232 | - | - | MCS 232 | - | 160 RN 02 |
| N-234 | 170 | 310 | 272 | 52 | 46.780 | N 234 | - | - | MCS 234 | - | 170 RN 02 |
| N-236 | 180 | 320 | 282 | 52 | 48.770 | N 236 | - | - | MCS 236 | - | 180 RN 02 |
| N-238 | 190 | 340 | 299 | 55 | 57.780 | N 238 | - | - | MCS 238 | - | 190 RN 02 |
| N-240 | 200 | 360 | 316 | 58 | 67.110 | N 240 | - | - | MCS 240 | - | 200 RN 02 |
| N-244 | 220 | 400 | 350 | 65 | 97.230 | N 244 | - | - | MCS 244 | - | 220 RN 02 |
| N-248 | 240 | 440 | 385 | 72 | 130.000 | N 248 | - | - | MCS 248 | - | 240 RN 02 |
| N-252 | 260 | 480 | 420 | 80 | 173.340 | N 252 | - | - | MCS 252 | - | 260 RN 02 |
| N-256 | 280 | 500 | 440 | 80 | 182.220 | N 256 | - | - | MCS 256 | - | 280 RN 02 |
| N-260 | 300 | 540 | 476 | 85 | 227.780 | N 260 | - | - | MCS 260 | - | 300 RN 02 |
| N-264 | 320 | 580 | 510 | 92 | 286.660 | N 264 | - | - | MCS 264 | - | 320 RN 02 |

* "E" dimension equal to FAG and SKF. Other manufacturers' "E" dimension may vary.

NOTE:

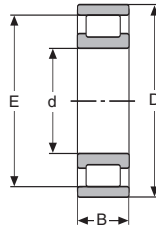
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3(P/6) precision.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY**

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | |
|------------------|---------------------|-----|-------|----|---------------------|---------------|----------|
| | d | D | E* | B | | FAG SKF STEYR | ROLLWAY |
| N-202 E | 15 | 35 | 30.3 | 11 | .130 | N202E | - |
| N-203 E | 17 | 40 | 35.1 | 12 | .180 | N203E | - |
| N-204 E | 20 | 47 | 41.5 | 14 | .280 | N204E | - |
| N-205 E | 25 | 52 | 46.5 | 15 | .340 | N205E | - |
| N-206 E | 30 | 62 | 55.5 | 16 | .510 | N206E | U 1206 E |
| N-207 E | 35 | 72 | 64 | 17 | .730 | N207E | U 1207 E |
| N-208 E | 40 | 80 | 71.5 | 18 | .960 | N208E | U 1208 E |
| N-209 E | 45 | 85 | 76.5 | 19 | 1.080 | N209E | U 1209 E |
| N-210 E | 50 | 90 | 81.5 | 20 | 1.200 | N210E | U 1210 E |
| N-211 E | 55 | 100 | 90 | 21 | 1.600 | N211E | U 1211 E |
| N-212 E | 60 | 110 | 100 | 22 | 2.050 | N212E | U 1212 E |
| N-213 E | 65 | 120 | 108.5 | 23 | 2.690 | N213E | U 1213 E |
| N-214 E | 70 | 125 | 113.5 | 24 | 2.890 | N214E | U 1214 E |
| N-215 E | 75 | 130 | 118.5 | 25 | 3.130 | N215E | U 1215 E |
| N-216 E | 80 | 140 | 127.3 | 26 | 3.890 | N216E | U 1216 E |
| N-217 E | 85 | 150 | 136.5 | 28 | 4.930 | N217E | U 1217 E |
| N-218 E | 90 | 160 | 145 | 30 | 5.680 | N218E | U 1218 E |
| N-219 E | 95 | 170 | 154.5 | 32 | 7.020 | N219E | U 1219 E |
| N-220 E | 100 | 180 | 163 | 34 | 8.540 | N220E | U 1220 E |
| N-221 E | 105 | 190 | 171.5 | 36 | 9.970 | N221E | U 1221 E |
| N-222 E | 110 | 200 | 180.5 | 38 | 11.560 | N222E | U 1222 E |
| N-224 E | 120 | 215 | 195.5 | 40 | 14.000 | N224E | U 1224 E |
| N-226 E | 130 | 230 | 209.5 | 40 | 16.110 | N226E | U 1226 E |
| N-228 E | 140 | 250 | 225 | 42 | 20.330 | N228E | U 1228 E |
| N-230 E | 150 | 270 | 242 | 45 | 25.670 | N230E | U 1230 E |
| N-232 E | 160 | 290 | 259 | 48 | 37.230 | N232E | U 1232 E |
| N-234 E | 170 | 310 | 279 | 52 | 46.780 | N234E | - |
| N-236 E | 180 | 320 | 289 | 52 | 48.770 | N236E | - |
| N-238 E | 190 | 340 | 306 | 55 | 57.780 | N238E | - |
| N-240 E | 200 | 360 | 323 | 58 | 67.110 | N240E | - |
| N-244E | 220 | 400 | 358 | 65 | 97.230 | N244E | - |
| N-248E | 240 | 440 | 393 | 72 | 130.000 | N248E | - |

* "E" dimension equal to FAG and SKF. Other manufacturers "E" dimension may vary.

** "E" suffix designates higher capacity derived by using larger rollers.

NOTE:

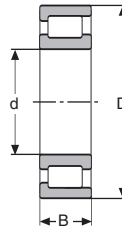
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3(P/6) precision.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | | | |
|------------------|---------------------|-----|----|---------------------|---------------|-------------|---------|---------|------------|
| | d | D | B | | | HYATT IKO | HOFF | ROLLWAY | TORRINGTON |
| NF-200 | 10 | 30 | 9 | .090 | NF 200 | - | - | - | - |
| NF-201 | 12 | 32 | 10 | .100 | NF 201 | - | - | - | - |
| NF-202 | 15 | 35 | 11 | .130 | NF 202 | - | - | - | - |
| NF-203 | 17 | 40 | 12 | .180 | NF 203 | - | R 117 L | - | - |
| NF-204 | 20 | 47 | 14 | .280 | NF 204 | BU 1204 L | R 120 L | ML 204 | - |
| NF-205 | 25 | 52 | 15 | .340 | NF 205 | BU 1205 L | R 125 L | ML 205 | - |
| NF-206 | 30 | 62 | 16 | .510 | NF 206 | BU 1206 L | R 130 L | ML 206 | - |
| NF-207 | 35 | 72 | 17 | .730 | NF 207 | BU 1207 L | R 135 L | ML 207 | - |
| NF-208 | 40 | 80 | 18 | .960 | NF 208 | BU 1208 L | R 140 L | ML 208 | - |
| NF-209 | 45 | 85 | 19 | 1.080 | NF 209 | BU 1209 L | R 145 L | ML 209 | - |
| NF-210 | 50 | 90 | 20 | 1.200 | NF 210 | BU 1210 L | R 150 L | ML 210 | - |
| NF-211 | 55 | 100 | 21 | 1.600 | NF 211 | BU 1211 L | R 155 L | ML 211 | - |
| NF-212 | 60 | 110 | 22 | 2.050 | NF 212 | BU 1212 L | R 160 L | ML 212 | - |
| NF-213 | 65 | 120 | 23 | 2.690 | NF 213 | BU 1213 L | R 165 L | ML 213 | - |
| NF-214 | 70 | 125 | 24 | 2.890 | NF 214 | BU 1214 L | R 170 L | ML 214 | - |
| NF-215 | 75 | 130 | 25 | 3.130 | NF 215 | BU 1215 L | R 175 L | ML 215 | - |
| NF-216 | 80 | 140 | 26 | 3.890 | NF 216 | BU 1216 L | R 180 L | ML 216 | - |
| NF-217 | 85 | 150 | 28 | 4.930 | NF 217 | BU 1217 L | R 185 L | ML 217 | - |
| NF-218 | 90 | 160 | 30 | 5.680 | NF 218 | BU 1218 L | R 190 L | ML 218 | - |
| NF-219 | 95 | 170 | 32 | 7.020 | NF 219 | BU 1219 L | R 195 L | ML 219 | - |
| NF-220 | 100 | 180 | 34 | 8.540 | NF 220 | BU 1220 L | R 200 L | ML 220 | 100 RF 02 |
| NF-221 | 105 | 190 | 36 | 9.970 | NF 221 | BU 1221 L | R 205 L | ML 221 | 105 RF 02 |
| NF-222 | 110 | 200 | 38 | 11.560 | NF 222 | BU 1222 L | R 210 L | ML 222 | 110 RF 02 |
| NF-224 | 120 | 215 | 40 | 14.000 | NF 224 | BU 1224 L | R 220 L | ML 224 | 120 RF 02 |
| NF-226 | 130 | 230 | 40 | 16.110 | NF 226 | BU 1226 L | R 230 L | ML 226 | 130 RF 02 |
| NF-228 | 140 | 250 | 42 | 20.330 | NF 228 | BU 1228 L | R 240 L | ML 228 | 140 RF 02 |
| NF-230 | 150 | 270 | 45 | 25.670 | NF 230 | - | - | ML 230 | 150 RF 02 |
| NF-232 | 160 | 290 | 48 | 37.230 | NF 232 | - | - | ML 232 | 160 RF 02 |
| NF-234 | 170 | 310 | 52 | 46.780 | NF 234 | - | - | ML 234 | 170 RF 02 |
| NF-236 | 180 | 320 | 52 | 48.770 | NF 236 | - | - | ML 236 | 180 RF 02 |
| NF-238 | 190 | 340 | 55 | 57.780 | NF 238 | - | - | ML 238 | 190 RF 02 |
| NF-240 | 200 | 360 | 58 | 67.110 | NF 240 | - | - | ML 240 | 200 RF 02 |

NOTE:

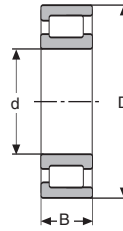
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3(P/6) precision.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY*

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange ROLLWAY |
|------------------|---------------------|-----|----|---------------------|---------------------|------------------------|
| | d | D | B | | | |
| NF-200 E | 10 | 30 | 9 | .090 | NF 200E | - |
| NF-201 E | 12 | 32 | 10 | .100 | NF 201E | - |
| NF-202 E | 15 | 35 | 11 | .130 | NF 202E | - |
| NF-203 E | 17 | 40 | 12 | .180 | NF 203E | - |
| NF-204 E | 20 | 47 | 14 | .280 | NF 204E | - |
| NF-205 E | 25 | 52 | 15 | .340 | NF 205E | - |
| NF-206 E | 30 | 62 | 16 | .510 | NF 206E | U 1206 L |
| NF-207 E | 35 | 72 | 17 | .730 | NF 207E | U 1207 L |
| NF-208 E | 40 | 80 | 18 | .960 | NF 208E | U 1208 L |
| NF-209 E | 45 | 85 | 19 | 1.080 | NF 209E | U 1209 L |
| NF-210 E | 50 | 90 | 20 | 1.200 | NF 210E | U 1210 L |
| NF-211 E | 55 | 100 | 21 | 1.600 | NF 211E | U 1211 L |
| NF-212 E | 60 | 110 | 22 | 2.050 | NF 212E | U 1212 L |
| NF-213 E | 65 | 120 | 23 | 2.690 | NF 213E | U 1213 L |
| NF-214 E | 70 | 125 | 24 | 2.890 | NF 214E | U 1214 L |
| NF-215 E | 75 | 130 | 25 | 3.130 | NF 215E | U 1215 L |
| NF-216 E | 80 | 140 | 26 | 3.890 | NF 216E | U 1216 L |
| NF-217 E | 85 | 150 | 28 | 4.930 | NF 217E | U 1217 L |
| NF-218 E | 90 | 160 | 30 | 5.680 | NF 218E | U 1218 L |
| NF-219 E | 95 | 170 | 32 | 7.020 | NF 219E | U 1219 L |
| NF-220 E | 100 | 180 | 34 | 8.540 | NF 220E | U 1220 L |
| NF-221 E | 105 | 190 | 36 | 9.970 | NF 221E | U 1221 L |
| NF-222 E | 110 | 200 | 38 | 11.560 | NF 222E | U 1222 L |
| NF-224 E | 120 | 215 | 40 | 14.000 | NF 224E | - |
| NF-226 E | 130 | 230 | 40 | 16.110 | NF 226E | - |
| NF-228 E | 140 | 250 | 42 | 20.330 | NF 228E | - |
| NF-230 E | 150 | 270 | 45 | 25.670 | NF 230E | - |
| NF-232 E | 160 | 290 | 48 | 37.230 | NF 232E | - |
| NF-234 E | 170 | 310 | 52 | 46.780 | NF 234E | - |
| NF-236 E | 180 | 320 | 52 | 48.770 | NF 236E | - |
| NF-238 E | 190 | 340 | 55 | 57.780 | NF 238E | - |
| NF-240 E | 200 | 360 | 58 | 67.110 | NF 240E | - |

*"E" suffix designates higher radial load capacity derived by utilizing larger rollers.

NOTE:

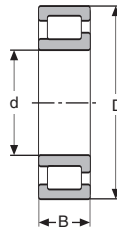
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3(P/6) precision.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | | | |
|------------------|---------------------|-----|----|---------------------|---------------------|-------------|---------|---------|------------|
| | d | D | B | | | HYATT | HOFF | ROLLWAY | TORRINGTON |
| NJ-200 | 10 | 30 | 9 | .090 | NJ 200 | - | - | - | - |
| NJ-201 | 12 | 32 | 10 | .100 | NJ 201 | - | - | - | - |
| NJ-202 | 15 | 35 | 11 | .130 | NJ 202 | - | R 115 P | - | - |
| NJ-203 | 17 | 40 | 12 | .180 | NJ 203 | - | R 117 P | - | - |
| NJ-204 | 20 | 47 | 14 | .280 | NJ 204 | - | R 120 P | MUL 204 | - |
| NJ-205 | 25 | 52 | 15 | .340 | NJ 205 | - | R 125 P | MUL 205 | - |
| NJ-206 | 30 | 62 | 16 | .510 | NJ 206 | R 1206 WB | R 130 P | MUL 206 | - |
| NJ-207 | 35 | 72 | 17 | .730 | NJ 207 | - | R 135 P | MUL 207 | - |
| NJ-208 | 40 | 80 | 18 | .960 | NJ 208 | - | R 140 P | MUL 208 | - |
| NJ-209 | 45 | 85 | 19 | 1.080 | NJ 209 | - | R 145 P | MUL 209 | - |
| NJ-210 | 50 | 90 | 20 | 1.200 | NJ 210 | - | R 150 P | MUL 210 | - |
| NJ-211 | 55 | 100 | 21 | 1.600 | NJ 211 | - | R 155 P | MUL 211 | - |
| NJ-212 | 60 | 110 | 22 | 2.050 | NJ 212 | - | R 160 P | MUL 212 | - |
| NJ-213 | 65 | 120 | 23 | 2.690 | NJ 213 | - | R 165 P | MUL 213 | - |
| NJ-214 | 70 | 125 | 24 | 2.890 | NJ 214 | - | R 170 P | MUL 214 | - |
| NJ-215 | 75 | 130 | 25 | 3.130 | NJ 215 | - | R 175 P | MUL 215 | - |
| NJ-216 | 80 | 140 | 26 | 3.890 | NJ 216 | - | R 180 P | MUL 216 | - |
| NJ-217 | 85 | 150 | 28 | 4.930 | NJ 217 | - | R 185 P | MUL 217 | - |
| NJ-218 | 90 | 160 | 30 | 5.680 | NJ 218 | - | R 190 P | MUL 218 | - |
| NJ-219 | 95 | 170 | 32 | 7.020 | NJ 219 | - | R 195 P | MUL 219 | - |
| NJ-220 | 100 | 180 | 34 | 8.540 | NJ 220 | - | R 200 P | MUL 220 | 100 RJ 02 |
| NJ-221 | 105 | 190 | 36 | 9.970 | NJ 221 | - | R 205 P | MUL 221 | 105 RJ 02 |
| NJ-222 | 110 | 200 | 38 | 11.560 | NJ 222 | - | R 210 P | MUL 222 | 110 RJ 02 |
| NJ-224 | 120 | 215 | 40 | 14.000 | NJ 224 | - | - | MUL 224 | 120 RJ 02 |
| NJ-226 | 130 | 230 | 40 | 16.110 | NJ 226 | - | - | MUL 226 | 130 RJ 02 |
| NJ-228 | 140 | 250 | 42 | 20.330 | NJ 228 | - | - | MUL 228 | 140 RJ 02 |
| NJ-230 | 150 | 270 | 45 | 25.670 | NJ 230 | - | - | MUL 230 | 150 RJ 02 |
| NJ-232 | 160 | 290 | 48 | 37.230 | NJ 232 | - | - | MUL 232 | 160 RJ 02 |
| NJ-234 | 170 | 310 | 52 | 46.780 | NJ 234 | - | - | MUL 234 | 170 RJ 02 |
| NJ-236 | 180 | 320 | 52 | 48.770 | NJ 236 | - | - | MUL 236 | 180 RJ 02 |
| NJ-238 | 190 | 340 | 55 | 57.780 | NJ 238 | - | - | MUL 238 | 190 RJ 02 |
| NJ-240 | 200 | 360 | 58 | 67.110 | NJ 240 | - | - | MUL 240 | 200 RJ 02 |
| NJ-244 | 220 | 400 | 65 | 97.230 | NJ 244 | - | - | MUL 244 | 220 RJ 02 |
| NJ-248 | 240 | 440 | 72 | 130.000 | NJ 248 | - | - | MUL 248 | 240 RJ 02 |
| NJ-252 | 260 | 480 | 80 | 173.340 | NJ 252 | - | - | MUL 252 | 260 RJ 02 |
| NJ-256 | 280 | 500 | 80 | 182.220 | NJ 256 | - | - | MUL 256 | 280 RJ 02 |
| NJ-260 | 300 | 540 | 85 | 227.780 | NJ 260 | - | - | MUL 260 | 300 RJ 02 |
| NJ-264 | 320 | 580 | 92 | 286.660 | NJ 264 | - | - | MUL 264 | 320 RJ 02 |

NOTE:

1.) The above series is available with either:

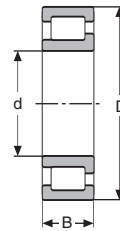
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3(P/6) precision.

4.) For NH-200 Series combine NJ-200 Bearing with HJ-200 Angle Ring. Example: NJ-230 and HJ-230 = NH-230.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY *

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | | | |
|------------------|---------------------|-----|----|---------------------|-------------|----------|----------|------------|
| | d | D | B | | FAG STEYR | SKF | ROLLWAY | Torrington |
| NJ-202E | 15 | 35 | 11 | .110 | NJ 202 E | NJ 202 E | - | NJ 202 E |
| NJ-203E | 17 | 40 | 12 | .160 | NJ 203 E | NJ 203 E | - | NJ 203 E |
| NJ-204E | 20 | 47 | 14 | .300 | NJ 204 E | NJ 204 E | - | NJ 204 E |
| NJ-205E | 25 | 52 | 15 | .380 | NJ 205 E | NJ 205 E | - | NJ 205 E |
| NJ-206E | 30 | 62 | 16 | .560 | NJ 206 E | NJ 206 E | L 1206 U | NJ 206 E |
| NJ-207E | 35 | 72 | 17 | .810 | NJ 207 E | NJ 207 E | L 1207 U | NJ 207 E |
| NJ-208E | 40 | 80 | 18 | 1.050 | NJ 208 E | NJ 208 E | L 1208 U | NJ 208 E |
| NJ-209E | 45 | 85 | 19 | 1.210 | NJ 209 E | NJ 209 E | L 1209 U | NJ 209 E |
| NJ-210E | 50 | 90 | 20 | 1.330 | NJ 210 E | NJ 210 E | L 1210 U | NJ 210 E |
| NJ-211E | 55 | 100 | 21 | 1.750 | NJ 211 E | NJ 211 E | L 1211 U | NJ 211 E |
| NJ-212E | 60 | 110 | 22 | 2.270 | NJ 212 E | NJ 212 E | L 1212 U | NJ 212 E |
| NJ-213E | 65 | 120 | 23 | 2.970 | NJ 213 E | NJ 213 E | L 1213 U | NJ 213 E |
| NJ-214E | 70 | 125 | 24 | 3.190 | NJ 214 E | NJ 214 E | L 1214 U | - |
| NJ-215E | 75 | 130 | 25 | 3.460 | NJ 215 E | NJ 215 E | L 1215 U | - |
| NJ-216E | 80 | 140 | 26 | 4.090 | NJ 216 E | NJ 216 E | L 1216 U | - |
| NJ-217E | 85 | 150 | 28 | 5.170 | NJ 217 E | NJ 217 E | L 1217 U | - |
| NJ-218E | 90 | 160 | 30 | 5.980 | NJ 218 E | NJ 218 E | L 1218 U | - |
| NJ-219E | 95 | 170 | 32 | 7.400 | NJ 219 E | NJ 219 E | L 1219 U | - |
| NJ-220E | 100 | 180 | 34 | 8.970 | NJ 220 E | NJ 220 E | L 1220 U | - |
| NJ-222E | 110 | 200 | 38 | 10.470 | NJ 222 E | NJ 222 E | L 1222 U | - |
| NJ-224E | 120 | 215 | 40 | 14.670 | NJ 224 E | NJ 224 E | L 1224 U | - |
| NJ-226E | 130 | 230 | 40 | 16.890 | NJ 226 E | NJ 226 E | - | - |
| NJ-228E | 140 | 250 | 42 | 21.330 | NJ 228 E | NJ 228 E | - | - |
| NJ-230E | 150 | 270 | 45 | 27.000 | NJ 230 E | NJ 230 E | - | - |
| NJ-232E | 160 | 290 | 48 | 38.230 | NJ 232 E | NJ 232 E | - | - |
| NJ-234E | 170 | 310 | 52 | 48.000 | NJ 234 E | NJ 234 E | - | - |
| NJ-236E | 180 | 320 | 52 | 50.000 | NJ 236 E | NJ 236 E | - | - |
| NJ-238E | 190 | 340 | 55 | 59.330 | NJ 238 E | NJ 238 E | - | - |
| NJ-240E | 200 | 360 | 58 | 68.890 | NJ 240 E | NJ 240 E | - | - |
| NJ-244E | 220 | 400 | 65 | 97.230 | NJ 244 E | NJ 244 E | - | - |

*"E" suffix designates higher radial load capacity derived by utilizing larger rollers.

NOTE:

1.) The above series is available with either:

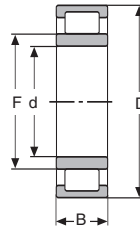
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) For NH-200E Series combine NJ-200E Bearing with HJ-200E Angle Ring. Example: NJ-230E and HJ-230E = NH-230E.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | | | |
|------------------|---------------------|-----|-------|----|---------------------|---------------|-------------|---------|---------|------------|
| | d | D | F* | B | | | HYATT | HOFF | ROLLWAY | TORRINGTON |
| NU-200 | 10 | 30 | 15 | 9 | .090 | - | - | R 110 E | - | - |
| NU-201 | 12 | 32 | 17 | 10 | .100 | - | - | R 112 E | - | - |
| NU-202 | 15 | 35 | 19.3 | 11 | .130 | - | - | R 115 E | - | - |
| NU-203 | 17 | 40 | 22.9 | 12 | .180 | NU 203 | A 1203 TS | R 117 E | - | - |
| NU-204 | 20 | 47 | 27 | 14 | .280 | NU 204 | A 1204 TS | R 120 E | MUC 204 | - |
| NU-205 | 25 | 52 | 32 | 15 | .340 | NU 205 | A 1205 TS | R 125 E | MUC 205 | - |
| NU-206 | 30 | 62 | 38.5 | 16 | .510 | NU 206 | A 1206 TS | R 130 E | MUC 206 | - |
| NU-207 | 35 | 72 | 43.8 | 17 | .730 | NU 207 | A 1207 TS | R 135 E | MUC 207 | - |
| NU-208 | 40 | 80 | 50 | 18 | .960 | NU 208 | A 1208 TS | R 140 E | MUC 208 | - |
| NU-209 | 45 | 85 | 55 | 19 | 1.080 | NU 209 | A 1209 TS | R 145 E | MUC 209 | - |
| NU-210 | 50 | 90 | 60.4 | 20 | 1.200 | NU 210 | A 1210 TS | R 150 E | MUC 210 | - |
| NU-211 | 55 | 100 | 66.5 | 21 | 1.600 | NU 211 | A 1211 TS | R 155 E | MUC 211 | - |
| NU-212 | 60 | 110 | 73.5 | 22 | 2.050 | NU 212 | A 1212 TS | R 160 E | MUC 212 | - |
| NU-213 | 65 | 120 | 79.6 | 23 | 2.690 | NU 213 | A 1213 TS | R 165 E | MUC 213 | - |
| NU-214 | 70 | 125 | 84.5 | 24 | 2.890 | NU 214 | A 1214 TS | R 170 E | MUC 214 | - |
| NU-215 | 75 | 130 | 88.5 | 25 | 3.130 | NU 215 | A 1215 TS | R 175 E | MUC 215 | - |
| NU-216 | 80 | 140 | 95.3 | 26 | 3.890 | NU 216 | A 1216 TS | R 180 E | MUC 216 | - |
| NU-217 | 85 | 150 | 101.8 | 28 | 4.930 | NU 217 | A 1217 TS | R 185 E | MUC 217 | - |
| NU-218 | 90 | 160 | 107 | 30 | 5.680 | NU 218 | A 1218 TS | R 190 E | MUC 218 | - |
| NU-219 | 95 | 170 | 113.5 | 32 | 7.020 | NU 219 | A 1219 TS | R 195 E | MUC 219 | - |
| NU-220 | 100 | 180 | 120 | 34 | 8.540 | NU 220 | A 1220 TS | R 200 E | MUC 220 | 100 RU 02 |
| NU-221 | 105 | 190 | 126.8 | 36 | 9.970 | NU 221 | A 1221 TS | R 205 E | MUC 221 | 105 RU 02 |
| NU-222 | 110 | 200 | 132.5 | 38 | 11.560 | NU 222 | A 1222 TS | R 210 E | MUC 222 | 110 RU 02 |
| NU-224 | 120 | 215 | 143.5 | 40 | 14.000 | NU 224 | A 1224 TS | R 220 E | MUC 224 | 120 RU 02 |
| NU-226 | 130 | 230 | 156 | 40 | 16.110 | NU 226 | A 1226 TS | R 230 E | MUC 226 | 130 RU 02 |
| NU-228 | 140 | 250 | 169 | 42 | 20.330 | NU 228 | A 1228 TS | R 240 E | MUC 228 | 140 RU 02 |
| NU-230 | 150 | 270 | 182 | 45 | 25.670 | NU 230 | A 1230 TS | - | MUC 230 | 150 RU 02 |
| NU-232 | 160 | 290 | 195 | 48 | 37.230 | NU 232 | - | - | MUC 232 | 160 RU 02 |
| NU-234 | 170 | 310 | 208 | 52 | 46.780 | NU 234 | - | - | MUC 234 | 170 RU 02 |
| NU-236 | 180 | 320 | 218 | 52 | 48.770 | NU 236 | - | - | MUC 236 | 180 RU 02 |
| NU-238 | 190 | 340 | 231 | 55 | 57.780 | NU 238 | - | - | MUC 238 | 190 RU 02 |
| NU-240 | 200 | 360 | 244 | 58 | 67.110 | NU 240 | - | - | MUC 240 | 200 RU 02 |
| NU-244 | 220 | 400 | 270 | 65 | 97.230 | NU 244 | - | - | MUC 244 | 220 RU 02 |
| NU-248 | 240 | 440 | 295 | 72 | 130.000 | NU 248 | - | - | MUC 248 | 240 RU 02 |
| NU-252 | 260 | 480 | 320 | 80 | 173.340 | NU 252 | - | - | MUC 252 | 260 RU 02 |
| NU-256 | 280 | 500 | 340 | 80 | 182.220 | NU 256 | - | - | MUC 256 | 280 RU 02 |
| NU-260 | 300 | 540 | 364 | 85 | 227.780 | NU 260 | - | - | MUC 260 | 300 RU 02 |
| NU-264 | 320 | 580 | 390 | 92 | 286.660 | NU 264 | - | - | MUC 264 | 320 RU 02 |

*"F" dimension equal to FAG and SKF. Other manufacturers "F" dimension may vary.

NOTE:

1.) The above series is available with either:

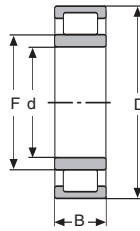
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) These bearings are available with tapered bore - suffix "K". Consult factory for availability.



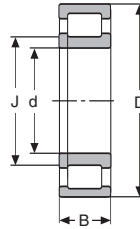
CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY *

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | | |
|------------------|---------------------|-----|-------|----|---------------------|-------------|----------|------------|------------|
| | d | D | F** | B | | FAG STEYR | SKF | ROLLWAY | Torrington |
| NU-202E | 15 | 35 | 19.3 | 11 | .110 | NU 202 E | - | - | NU 202 E |
| NU-203E | 17 | 40 | 22.1 | 12 | .160 | NU 203 E | - | - | NU 203 E |
| NU-204E | 20 | 47 | 26.5 | 14 | .300 | NU 204 E | NU 204 E | - | NU 204 E |
| NU-205E | 25 | 52 | 31.5 | 15 | .380 | NU 205 E | NU 205 E | - | NU 205 E |
| NU-206E | 30 | 62 | 37.5 | 16 | .560 | NU 206 E | NU 206 E | E 1206 B/U | NU 206 E |
| NU-207E | 35 | 72 | 44 | 17 | .810 | NU 207 E | NU 207 E | E 1207 B/U | NU 207 E |
| NU-208E | 40 | 80 | 49.5 | 18 | 1.050 | NU 208 E | NU 208 E | E 1208 B/U | NU 208 E |
| NU-209E | 45 | 85 | 54.5 | 19 | 1.210 | NU 209 E | NU 209 E | E 1209 B/U | NU 209 E |
| NU-210E | 50 | 90 | 59.5 | 20 | 1.330 | NU 210 E | NU 210 E | E 1210 B/U | NU 210 E |
| NU-211E | 55 | 100 | 66 | 21 | 1.750 | NU 211 E | NU 211 E | E 1211 B/U | NU 211 E |
| NU-212E | 60 | 110 | 72 | 22 | 2.270 | NU 212 E | NU 212 E | E 1212 B/U | NU 212 E |
| NU-213E | 65 | 120 | 78.5 | 23 | 2.970 | NU 213 E | NU 213 E | E 1213 B/U | NU 213 E |
| NU-214E | 70 | 125 | 83.5 | 24 | 3.190 | NU 214 E | NU 214 E | E 1214 B/U | - |
| NU-215E | 75 | 130 | 88.5 | 25 | 3.460 | NU 215 E | NU 215 E | E 1215 B/U | - |
| NU-216E | 80 | 140 | 95.3 | 26 | 4.090 | NU 216 E | NU 216 E | E 1216 B/U | - |
| NU-217E | 85 | 150 | 100.5 | 28 | 5.170 | NU 217 E | NU 217 E | E 1217 B/U | - |
| NU-218E | 90 | 160 | 107 | 30 | 5.980 | NU 218 E | NU 218 E | E 1218 B/U | - |
| NU-219E | 95 | 170 | 112.5 | 32 | 7.400 | NU 219 E | NU 219 E | E 1219 B/U | - |
| NU-220E | 100 | 180 | 119 | 34 | 8.970 | NU 220 E | NU 220 E | E 1220 B/U | - |
| NU-222E | 110 | 200 | 132.5 | 38 | 10.470 | NU 222 E | NU 222 E | E 1222 B/U | - |
| NU-224E | 120 | 215 | 143.5 | 40 | 14.670 | NU 224 E | NU 224 E | E 1224 B/U | - |
| NU-226E | 130 | 230 | 153.5 | 40 | 16.890 | NU 226 E | NU 226 E | E 1226 B/U | - |
| NU-228E | 140 | 250 | 169 | 42 | 21.330 | NU 228 E | NU 228 E | E 1228 B/U | - |
| NU-230E | 150 | 270 | 182 | 45 | 27.000 | NU 230 E | NU 230 E | E 1230 B/U | - |
| NU-232E | 160 | 290 | 195 | 48 | 38.230 | NU 232 E | NU 232 E | E 1232 B/U | - |
| NU-234E | 170 | 310 | 207 | 52 | 48.000 | NU 234 E | NU 234 E | E 1234 B/U | - |
| NU-236E | 180 | 320 | 217 | 52 | 50.000 | NU 236 E | NU 236 E | E 1236 B/U | - |
| NU-238E | 190 | 340 | 230 | 55 | 59.330 | NU 238 E | NU 238 E | E 1238 B/U | - |
| NU-240E | 200 | 360 | 243 | 58 | 68.890 | NU 240 E | NU 240 E | E 1240 B/U | - |
| NU-244E | 220 | 400 | 268 | 65 | 81.350 | NU 244 E | NU 244 E | E 1244 B/U | - |
| NU-248E | 240 | 440 | 293 | 72 | 110.670 | NU 248 E | NU 248 E | E 1248 B/U | - |
| NU-252E | 260 | 480 | 317 | 80 | 145.290 | NU 252 E | NU 252 E | E 1252 B/U | - |
| NU-256E | 280 | 500 | 337 | 80 | 154.110 | NU 256 E | NU 256 E | E 1256 B/U | - |
| NU-260E | 300 | 540 | 363 | 85 | 193.130 | NU 260 E | NU 260 E | E 1260 B/U | - |
| NU-264E | 320 | 580 | 389 | 92 | 242.510 | NU 264 E | NU 264 E | E 1264 B/U | - |

* "E" suffix designates higher radial load capacity derived by utilizing larger rollers.
 ** "F" dimension equal to FAG and SKF. Other manufacturers "F" dimension may vary.

NOTE:

- 1.) The above series is available with either:
 - Stamped steel or glass fibre cage - No suffix.
 - Machined bronze cage - suffix "M".
- 2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.
- 3.) Some sizes are available in ABEC #3 (P/6) precision.
- 4.) These bearings are available with tapered bore - suffix "K". Consult factory for availability.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | |
|------------------|---------------------|-----|-------|----|---------------------|---------------|-------------|--|
| | d | D | J* | B | | | TORRINGTON | |
| NUP-200 | 10 | 30 | 17.5 | 9 | .090 | NUP 200 | - | |
| NUP-201 | 12 | 32 | 19.5 | 10 | .100 | NUP 201 | - | |
| NUP-202 | 15 | 35 | 22 | 11 | .130 | NUP 202 | - | |
| NUP-203 | 17 | 40 | 25.5 | 12 | .180 | NUP 203 | - | |
| NUP-204 | 20 | 47 | 30 | 14 | .280 | NUP 204 | - | |
| NUP-205 | 25 | 52 | 35. | 15 | .340 | NUP 205 | - | |
| NUP-206 | 30 | 62 | 41.8 | 16 | .510 | NUP 206 | - | |
| NUP-207 | 35 | 72 | 47.6 | 17 | .730 | NUP 207 | - | |
| NUP-208 | 40 | 80 | 54.2 | 18 | .960 | NUP 208 | - | |
| NUP-209 | 45 | 85 | 59 | 19 | 1.080 | NUP 209 | - | |
| NUP-210 | 50 | 90 | 64.6 | 20 | 1.200 | NUP 210 | - | |
| NUP-211 | 55 | 100 | 70.8 | 21 | 1.600 | NUP 211 | - | |
| NUP-212 | 60 | 110 | 78.4 | 22 | 2.050 | NUP 212 | - | |
| NUP-213 | 65 | 120 | 84.8 | 23 | 2.690 | NUP 213 | - | |
| NUP-214 | 70 | 125 | 89.6 | 24 | 2.890 | NUP 214 | - | |
| NUP-215 | 75 | 130 | 94 | 25 | 3.130 | NUP 215 | - | |
| NUP-216 | 80 | 140 | 101.2 | 26 | 3.890 | NUP 216 | - | |
| NUP-217 | 85 | 150 | 108.2 | 28 | 4.930 | NUP 217 | - | |
| NUP-218 | 90 | 160 | 114.2 | 30 | 5.680 | NUP 218 | - | |
| NUP-219 | 95 | 170 | 121 | 32 | 7.020 | NUP 219 | - | |
| NUP-220 | 100 | 180 | 128 | 34 | 8.540 | NUP 220 | 100 RT 02 | |
| NUP-221 | 105 | 190 | 135 | 36 | 9.970 | NUP 221 | 105 RT 02 | |
| NUP-222 | 110 | 200 | 141.5 | 38 | 11.560 | NUP 222 | 110 RT 02 | |
| NUP-224 | 120 | 215 | 153 | 40 | 14.000 | NUP 224 | 120 RT 02 | |
| NUP-226 | 130 | 230 | 165.5 | 40 | 16.110 | NUP 226 | 130 RT 02 | |
| NUP-228 | 140 | 250 | 179.5 | 42 | 20.330 | NUP 228 | 140 RT 02 | |
| NUP-230 | 150 | 270 | 193 | 45 | 25.670 | NUP 230 | 150 RT 02 | |
| NUP-232 | 160 | 290 | 207 | 48 | 37.230 | NUP 232 | 160 RT 02 | |
| NUP-234 | 170 | 310 | 220.5 | 52 | 46.780 | NUP 234 | 170 RT 02 | |
| NUP-236 | 180 | 320 | 230.5 | 52 | 48.770 | NUP 236 | 180 RT 02 | |
| NUP-238 | 190 | 340 | 244.5 | 55 | 57.780 | NUP 238 | 190 RT 02 | |
| NUP-240 | 200 | 360 | 258 | 58 | 67.110 | NUP 240 | 200 RT 02 | |
| NUP-244 | 220 | 400 | 286 | 65 | 97.230 | NUP 244 | 220 RT 02 | |
| NUP-248 | 240 | 440 | 313 | 72 | 130.000 | NUP 248 | 240 RT 02 | |
| NUP-252 | 260 | 480 | 340 | 80 | 173.340 | NUP 252 | 260 RT 02 | |
| NUP-256 | 280 | 500 | 360 | 80 | 182.220 | NUP 256 | 280 RT 02 | |
| NUP-260 | 300 | 540 | 387 | 85 | 227.780 | NUP 260 | 300 RT 02 | |
| NUP-264 | 320 | 580 | 415 | 92 | 286.660 | NUP 264 | 320 RT 02 | |

* "J" dimension equal to FAG and SKF. Other manufacturers' "J" dimension may vary.

NOTE:

1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

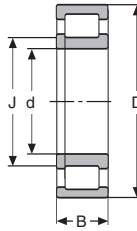
Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) This series has the same boundary dimensions as the equivalent Norma Hoffmann R-100-LL series.

The load carrying capacity of this series is greater than the comparable R-100-LL series.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY *

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | |
|------------------|---------------------|-----|--------|----|---------------------|---------------------|-------------|------------|
| | d | D | J** | B | | | ROLLWAY | Torrington |
| NUP-203E | 17 | 40 | 24.7 | 12 | .190 | NUP 203 E | - | NUP 203 E |
| NUP-204E | 20 | 47 | 29.85 | 14 | .300 | NUP 204 E | - | NUP 204 E |
| NUP-205E | 25 | 52 | 34.85 | 15 | .380 | NUP 205 E | - | NUP 205 E |
| NUP-206E | 30 | 62 | 41.4 | 16 | .560 | NUP 206 E | LP 1206 U | NUP 206 E |
| NUP-207E | 35 | 72 | 48 | 17 | .810 | NUP 207 E | LP 1207 U | NUP 207 E |
| NUP-208E | 40 | 80 | 54.1 | 18 | 1.050 | NUP 208 E | LP 1208 U | NUP 208 E |
| NUP-209E | 45 | 85 | 59.1 | 19 | 1.210 | NUP 209 E | LP 1209 U | NUP 209 E |
| NUP-210E | 50 | 90 | 64.1 | 20 | 1.330 | NUP 210 E | LP 1210 U | NUP 210 E |
| NUP-211E | 55 | 100 | 70.95 | 21 | 1.750 | NUP 211 E | LP 1211 U | NUP 211 E |
| NUP-212E | 60 | 110 | 77.7 | 22 | 2.270 | NUP 212 E | LP 1212 U | NUP 212 E |
| NUP-213E | 65 | 120 | 84.55 | 23 | 2.970 | NUP 213 E | LP 1213 U | NUP 213 E |
| NUP-214E | 70 | 125 | 89.55 | 24 | 3.190 | NUP 214 E | LP 1214 U | - |
| NUP-215E | 75 | 130 | 94.5 | 25 | 3.460 | NUP 215 E | LP 1215 U | - |
| NUP-216E | 80 | 140 | 101.65 | 26 | 4.090 | NUP 216 E | LP 1216 U | - |
| NUP-217E | 85 | 150 | 107.6 | 28 | 5.170 | NUP 217 E | LP 1217 U | - |
| NUP-218E | 90 | 160 | 114.45 | 30 | 5.980 | NUP 218 E | LP 1218 U | - |
| NUP-219E | 95 | 170 | 120.65 | 32 | 7.400 | NUP 219 E | LP 1219 U | - |
| NUP-220E | 100 | 180 | 127.5 | 34 | 8.970 | NUP 220 E | LP 1220 U | - |
| NUP-221E | 105 | 190 | 134.75 | 36 | 9.970 | NUP 221 E | LP 1221 U | - |
| NUP-222E | 110 | 200 | 141.75 | 38 | 10.470 | NUP 222 E | LP 1222 U | - |
| NUP-224E | 120 | 215 | 153.45 | 40 | 14.670 | NUP 224 E | LP 1224 U | - |
| NUP-226E | 130 | 230 | 164.2 | 40 | 16.890 | NUP 226 E | LP 1226 U | - |
| NUP-228E | 140 | 250 | 180 | 42 | 21.330 | NUP 228 E | LP 1228 U | - |
| NUP-230E | 150 | 270 | 193.7 | 45 | 27.000 | NUP 230 E | LP 1230 U | - |
| NUP-232E | 160 | 290 | 207.35 | 48 | 38.230 | NUP 232 E | LP 1232 U | - |
| NUP-234E | 170 | 310 | 220.8 | 52 | 48.000 | NUP 234 E | LP 1234 U | - |
| NUP-236E | 180 | 320 | 230.8 | 52 | 50.000 | NUP 236 E | LP 1236 U | - |
| NUP-238E | 190 | 340 | 244.55 | 55 | 59.330 | NUP 238 E | LP 1238 U | - |
| NUP-240E | 200 | 360 | 258.2 | 58 | 68.890 | NUP 240 E | LP 1240 U | - |

* "E" suffix designates higher radial capacity derived by utilizing larger rollers.

** "J" dimension equal to FAG and SKF. Other manufacturers' "J" dimension may vary.

NOTE:

1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

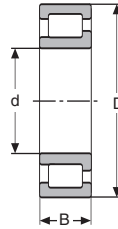
Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) This series has the same boundary dimensions as the equivalent Norma-Hoffman R-100-LL series.

The load carrying capacity of this series is greater than the comparable R-100-LL series.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange |
|------------------|---------------------|-----|-----|---------------------|---------------------|-------------|
| | d | D | B | | | |
| NJ-2202 | 15 | 35 | 14 | .160 | NJ 2202 | |
| NJ-2203 | 17 | 40 | 16 | .240 | NJ 2203 | |
| NJ-2204 | 20 | 47 | 18 | .370 | NJ 2204 | |
| NJ-2205 | 25 | 52 | 18 | .430 | NJ 2205 | |
| NJ-2206 | 30 | 62 | 20 | .670 | NJ 2206 | |
| NJ-2207 | 35 | 72 | 23 | 1.020 | NJ 2207 | |
| NJ-2208 | 40 | 80 | 23 | 1.240 | NJ 2208 | |
| NJ-2209 | 45 | 85 | 23 | 1.340 | NJ 2209 | |
| NJ-2210 | 50 | 90 | 23 | 1.450 | NJ 2210 | |
| NJ-2211 | 55 | 100 | 25 | 1.960 | NJ 2211 | |
| NJ-2212 | 60 | 110 | 28 | 2.700 | NJ 2212 | |
| NJ-2213 | 65 | 120 | 31 | 3.560 | NJ 2213 | |
| NJ-2214 | 70 | 125 | 31 | 3.800 | NJ 2214 | |
| NJ-2215 | 75 | 130 | 31 | 3.930 | NJ 2215 | |
| NJ-2216 | 80 | 140 | 33 | 4.930 | NJ 2216 | |
| NJ-2217 | 85 | 150 | 36 | 6.240 | NJ 2217 | |
| NJ-2218 | 90 | 160 | 40 | 7.750 | NJ 2218 | |
| NJ-2219 | 95 | 170 | 43 | 9.640 | NJ 2219 | |
| NJ-2220 | 100 | 180 | 46 | 11.670 | NJ 2220 | |
| NJ-2222 | 110 | 200 | 53 | 17.340 | NJ 2222 | |
| NJ-2224 | 120 | 215 | 58 | 21.450 | NJ 2224 | |
| NJ-2226 | 130 | 230 | 64 | 28.450 | NJ 2226 | |
| NJ-2228 | 140 | 250 | 68 | 35.780 | NJ 2228 | |
| NJ-2230 | 150 | 270 | 73 | 47.000 | NJ 2230 | |
| NJ-2232 | 160 | 290 | 80 | 60.000 | NJ 2232 | |
| NJ-2234 | 170 | 310 | 86 | 74.230 | NJ 2234 | |
| NJ-2236 | 180 | 320 | 86 | 76.220 | NJ 2236 | |
| NJ-2238 | 190 | 340 | 92 | 94.450 | NJ 2238 | |
| NJ-2240 | 200 | 360 | 98 | 114.450 | NJ 2240 | |
| NJ-2244 | 220 | 400 | 108 | 153.330 | NJ 2244 | |
| NJ-2248 | 240 | 440 | 120 | 195.550 | NJ 2248 | |
| NJ-2252 | 260 | 480 | 130 | 270.000 | NJ 2252 | |
| NJ-2256 | 280 | 500 | 130 | 284.450 | NJ 2256 | |
| NJ-2260 | 300 | 540 | 140 | 330.000 | NJ 2260 | |
| NJ-2264 | 320 | 580 | 150 | 447.780 | NJ 2264 | |

NOTE:

1.) The above series is available with either:

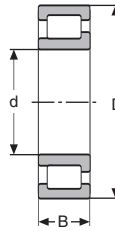
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) For NH-2200 Series combine NJ-2200 Bearing with HJ-2200 Angle Ring. Example: NJ-2215 and HJ-2215 = NH-2215.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY *

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | |
|------------------|---------------------|-----|----|---------------------|---------------------|-------------|------------|
| | d | D | B | | | ROLLWAY | Torrington |
| NJ-2203E | 17 | 40 | 16 | .240 | NJ 2203 E | - | NJ 2203 E |
| NJ-2204E | 20 | 47 | 18 | .390 | NJ 2204 E | - | NJ 2204 E |
| NJ-2205E | 25 | 52 | 18 | .460 | NJ 2205 E | - | NJ 2205 E |
| NJ-2206E | 30 | 62 | 20 | .740 | NJ 2206 E | - | NJ 2206 E |
| NJ-2207E | 35 | 72 | 23 | 1.120 | NJ 2207 E | - | NJ 2207 E |
| NJ-2208E | 40 | 80 | 23 | 1.360 | NJ 2208 E | - | NJ 2208 E |
| NJ-2209E | 45 | 85 | 23 | 1.470 | NJ 2209 E | - | NJ 2209 E |
| NJ-2210E | 50 | 90 | 23 | 1.600 | NJ 2210 E | - | NJ 2210 E |
| NJ-2211E | 55 | 100 | 25 | 2.370 | NJ 2211 E | - | NJ 2211 E |
| NJ-2212E | 60 | 110 | 28 | 2.970 | NJ 2212 E | - | NJ 2212 E |
| NJ-2213E | 65 | 120 | 31 | 3.920 | NJ 2213 E | - | NJ 2213 E |
| NJ-2214E | 70 | 125 | 31 | 4.160 | NJ 2214 E | L 2214 U | - |
| NJ-2215E | 75 | 130 | 31 | 4.390 | NJ 2215 E | L 2215 U | - |
| NJ-2216E | 80 | 140 | 33 | 5.190 | NJ 2216 E | L 2216 U | - |
| NJ-2217E | 85 | 150 | 36 | 6.560 | NJ 2217 E | L 2217 U | - |
| NJ-2218E | 90 | 160 | 40 | 8.150 | NJ 2218 E | L 2218 U | - |
| NJ-2219E | 95 | 170 | 43 | 10.150 | NJ 2219 E | L 2219 U | - |
| NJ-2220E | 100 | 180 | 46 | 12.230 | NJ 2220 E | L 2220 U | - |
| NJ-2222E | 110 | 200 | 53 | 18.110 | NJ 2222 E | L 2222 U | - |
| NJ-2224E | 120 | 215 | 58 | 22.450 | NJ 2224 E | L 2224 U | - |
| NJ-2226E | 130 | 230 | 64 | 28.690 | NJ 2226 E | - | - |
| NJ-2228E | 140 | 250 | 68 | 38.670 | NJ 2228 E | - | - |
| NJ-2230E | 150 | 270 | 73 | 48.220 | NJ 2230 E | - | - |
| NJ-2232E | 160 | 290 | 80 | 61.450 | NJ 2232 E | - | - |
| NJ-2234E | 170 | 310 | 86 | 76.000 | NJ 2234 E | - | - |
| NJ-2236E | 180 | 320 | 86 | 78.110 | NJ 2236 E | - | - |
| NJ-2238E | 190 | 340 | 92 | 96.780 | NJ 2238 E | - | - |
| NJ-2240E | 200 | 360 | 98 | 116.670 | NJ 2240 E | - | - |

* "E" suffix designates higher radial load capacity derived by utilizing larger rollers.

NOTE:

1.) The above series is available with either:

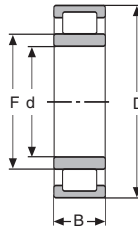
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) For NH-2200E series combine NJ-2200E bearing with HJ-2200E angle ring. Example NJ-2215E and HJ-2215E = NH-2215E.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange |
|------------------|---------------------|-----|-------|-----|---------------------|---------------|-------------|
| | d | D | F* | B | | | |
| NU-2202 | 15 | 35 | 19.3 | 14 | .160 | NU 2202 | |
| NU-2203 | 17 | 40 | 22.9 | 16 | .240 | NU 2203 | |
| NU-2204 | 20 | 47 | 27 | 18 | .370 | NU 2204 | |
| NU-2205 | 25 | 52 | 32 | 18 | .430 | NU 2205 | |
| NU-2206 | 30 | 62 | 38.5 | 20 | .670 | NU 2206 | |
| NU-2207 | 35 | 72 | 43.8 | 23 | 1.020 | NU 2207 | |
| NU-2208 | 40 | 80 | 50 | 23 | 1.240 | NU 2208 | |
| NU-2209 | 45 | 85 | 55 | 23 | 1.340 | NU 2209 | |
| NU-2210 | 50 | 90 | 60.4 | 23 | 1.450 | NU 2210 | |
| NU-2211 | 55 | 100 | 66.5 | 25 | 1.960 | NU 2211 | |
| NU-2212 | 60 | 110 | 73.5 | 28 | 2.700 | NU 2212 | |
| NU-2213 | 65 | 120 | 79.6 | 31 | 3.560 | NU 2213 | |
| NU-2214 | 70 | 125 | 84.5 | 31 | 3.800 | NU 2214 | |
| NU-2215 | 75 | 130 | 88.5 | 31 | 3.930 | NU 2215 | |
| NU-2216 | 80 | 140 | 95.3 | 33 | 4.930 | NU 2216 | |
| NU-2217 | 85 | 150 | 101.8 | 36 | 6.240 | NU 2217 | |
| NU-2218 | 90 | 160 | 107 | 40 | 7.750 | NU 2218 | |
| NU-2219 | 95 | 170 | 113.5 | 43 | 9.640 | NU 2219 | |
| NU-2220 | 100 | 180 | 120 | 46 | 11.670 | NU 2220 | |
| NU-2221 | 105 | 190 | 126.8 | 50 | 14.640 | NU 2221 | |
| NU-2222 | 110 | 200 | 132.5 | 53 | 17.340 | NU 2222 | |
| NU-2224 | 120 | 215 | 143.5 | 58 | 21.450 | NU 2224 | |
| NU-2226 | 130 | 230 | 156 | 64 | 28.450 | NU 2226 | |
| NU-2228 | 140 | 250 | 169 | 68 | 35.780 | NU 2228 | |
| NU-2230 | 150 | 270 | 182 | 73 | 47.000 | NU 2230 | |
| NU-2232 | 160 | 290 | 195 | 80 | 60.000 | NU 2232 | |
| NU-2234 | 170 | 310 | 208 | 86 | 74.230 | NU 2234 | |
| NU-2236 | 180 | 320 | 218 | 86 | 76.220 | NU 2236 | |
| NU-2238 | 190 | 340 | 231 | 92 | 94.450 | NU 2238 | |
| NU-2240 | 200 | 360 | 244 | 98 | 114.450 | NU 2240 | |
| NU-2244 | 220 | 400 | 270 | 108 | 153.330 | NU 2244 | |
| NU-2248 | 240 | 440 | 295 | 120 | 195.550 | NU 2248 | |
| NU-2252 | 260 | 480 | 320 | 130 | 270.000 | NU 2252 | |
| NU-2256 | 280 | 500 | 340 | 130 | 284.450 | NU 2256 | |
| NU-2260 | 300 | 540 | 364 | 140 | 330.000 | NU 2260 | |
| NU-2264 | 320 | 580 | 390 | 150 | 447.780 | NU 2264 | |
| NU-2268 | 340 | 620 | 412 | 165 | 505.000 | NU 2268 | |

*"F" dimension equal to FAG and SKF. Other manufacturers' "F" dimension may vary.

NOTE:

1.) The above series is available with either:

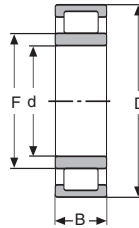
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) These bearings are available with tapered bore - suffix "K". Consult factory for availability.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY*

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | | | |
|------------------|---------------------|-----|-------|-----|---------------------|-------------|------------|-----------|-----------|------------|
| | d | D | F** | B | | FAG | ROLLWAY | SKF | STEYR | Torrington |
| NU-2202E | 15 | 35 | 19 | 14 | .130 | NU 2202 E | - | - | NU 2202 E | - |
| NU-2203E | 17 | 40 | 22.1 | 16 | .250 | NU 2203 E | - | NU 2203 E | NU 2203 E | NU 2203 E |
| NU-2204E | 20 | 47 | 26.5 | 18 | .390 | NU 2204 E | - | NU 2204 E | NU 2204 E | NU 2204 E |
| NU-2205E | 25 | 52 | 31.5 | 18 | .460 | NU 2205 E | - | NU 2205 E | NU 2205 E | NU 2205 E |
| NU-2206E | 30 | 62 | 37.5 | 20 | .740 | NU 2206 E | - | NU 2206 E | NU 2206 E | NU 2206 E |
| NU-2207E | 35 | 72 | 44 | 23 | 1.120 | NU 2207 E | - | NU 2207 E | NU 2207 E | NU 2207 E |
| NU-2208E | 40 | 80 | 49.5 | 23 | 1.360 | NU 2208 E | - | NU 2208 E | NU 2208 E | NU 2208 E |
| NU-2209E | 45 | 85 | 54.5 | 23 | 1.470 | NU 2209 E | - | NU 2209 E | NU 2209 E | NU 2209 E |
| NU-2210E | 50 | 90 | 59.5 | 23 | 1.600 | NU 2210 E | - | NU 2210 E | NU 2210 E | NU 2210 E |
| NU-2211E | 55 | 100 | 66 | 25 | 2.370 | NU 2211 E | - | NU 2211 E | NU 2211 E | NU 2211 E |
| NU-2212E | 60 | 110 | 72 | 28 | 2.970 | NU 2212 E | - | NU 2212 E | NU 2212 E | NU 2212 E |
| NU-2213E | 65 | 120 | 78.5 | 31 | 3.920 | NU 2213 E | - | NU 2213 E | NU 2213 E | NU 2213 E |
| NU-2214E | 70 | 125 | 83.5 | 31 | 4.160 | NU 2214 E | E 2214 B/U | NU 2214 E | NU 2214 E | - |
| NU-2215E | 75 | 130 | 88.5 | 31 | 4.390 | NU 2215 E | E 2215 B/U | NU 2215 E | NU 2215 E | - |
| NU-2216E | 80 | 140 | 95.3 | 33 | 5.190 | NU 2216 E | E 2216 B/U | NU 2216 E | NU 2216 E | - |
| NU-2217E | 85 | 150 | 100.5 | 36 | 6.560 | NU 2217 E | E 2217 B/U | NU 2217 E | NU 2217 E | - |
| NU-2218E | 90 | 160 | 107 | 40 | 8.150 | NU 2218 E | E 2218 B/U | NU 2218 E | NU 2218 E | - |
| NU-2219E | 95 | 170 | 112.5 | 43 | 10.150 | NU 2219 E | E 2219 B/U | NU 2219 E | NU 2219 E | - |
| NU-2220E | 100 | 180 | 119 | 46 | 12.230 | NU 2220 E | E 2220 B/U | NU 2220 E | NU 2220 E | - |
| NU-2222E | 110 | 200 | 132.5 | 53 | 18.110 | NU 2222 E | E 2222 B/U | NU 2222 E | NU 2222 E | - |
| NU-2224E | 120 | 215 | 143.5 | 58 | 22.450 | NU 2224 E | E 2224 B/U | NU 2224 E | NU 2224 E | - |
| NU-2226E | 130 | 230 | 153.5 | 64 | 28.690 | NU 2226 E | - | NU 2226 E | NU 2226 E | - |
| NU-2228E | 140 | 250 | 169 | 68 | 38.670 | NU 2228 E | - | NU 2228 E | NU 2228 E | - |
| NU-2230E | 150 | 270 | 182 | 73 | 48.220 | NU 2230 E | - | NU 2230 E | NU 2230 E | - |
| NU-2232E | 160 | 290 | 193 | 80 | 61.450 | NU 2232 E | - | NU 2232 E | NU 2232 E | - |
| NU-2234E | 170 | 310 | 205 | 86 | 76.000 | NU 2234 E | - | NU 2234 E | NU 2234 E | - |
| NU-2236E | 180 | 320 | 215 | 86 | 78.110 | NU 2236 E | - | NU 2236 E | NU 2236 E | - |
| NU-2238E | 190 | 340 | 228 | 92 | 96.780 | NU 2238 E | - | NU 2238 E | NU 2238 E | - |
| NU-2240E | 200 | 360 | 241 | 98 | 116.670 | NU 2240 E | - | NU 2240 E | NU 2240 E | - |
| NU-2244E | 220 | 400 | 265 | 108 | 138.449 | NU 2244 E | - | NU 2244 E | NU 2244 E | - |
| NU-2248E | 240 | 440 | 289 | 120 | 187.391 | NU 2248 E | - | NU 2248 E | NU 2248 E | - |
| NU-2252E | 260 | 480 | 313 | 130 | 242.506 | NU 2252 E | - | NU 2252 E | NU 2252 E | - |
| NU-2256E | 280 | 500 | 333 | 130 | 253.529 | NU 2256 E | - | NU 2256 E | NU 2256 E | - |
| NU-2260E | 300 | 540 | 359 | 140 | 324.076 | NU 2260 E | - | NU 2260 E | NU 2260 E | - |
| NU-2264E | 320 | 580 | 385 | 150 | 405.646 | NU 2264 E | - | NU 2264 E | NU 2264 E | - |
| NU-2268E | 340 | 620 | 408 | 165 | 509.263 | NU 2268 E | - | NU 2268 E | NU 2268 E | - |

* "E" suffix designates higher radial load capacity derived by utilizing larger rollers.

** "F" dimension equal to FAG and SKF. Other manufacturers' "F" dimension may vary.

NOTE:

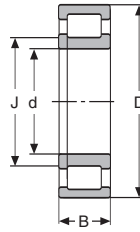
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange |
|---------------------|------------------------|-----|-------|-----|---------------------------|---------------------|-------------|
| | d | D | J* | B | | | |
| NUP-2202 | 15 | 35 | 22 | 14 | .160 | NUP 2202 | |
| NUP-2203 | 17 | 40 | 25.5 | 16 | .240 | NUP 2203 | |
| NUP-2204 | 20 | 47 | 30 | 18 | .370 | NUP 2204 | |
| NUP-2205 | 25 | 52 | 35 | 18 | .430 | NUP 2205 | |
| NUP-2206 | 30 | 62 | 41.8 | 20 | .670 | NUP 2206 | |
| NUP-2207 | 35 | 72 | 47.6 | 23 | 1.020 | NUP 2207 | |
| NUP-2208 | 40 | 80 | 54.2 | 23 | 1.240 | NUP 2208 | |
| NUP-2209 | 45 | 85 | 59 | 23 | 1.340 | NUP 2209 | |
| NUP-2210 | 50 | 90 | 64.6 | 23 | 1.450 | NUP 2210 | |
| NUP-2211 | 55 | 100 | 70.8 | 25 | 1.960 | NUP 2211 | |
| NUP-2212 | 60 | 110 | 78.4 | 28 | 2.700 | NUP 2212 | |
| NUP-2213 | 65 | 120 | 84.8 | 31 | 3.560 | NUP 2213 | |
| NUP-2214 | 70 | 125 | 89.6 | 31 | 3.800 | NUP 2214 | |
| NUP-2215 | 75 | 130 | 94 | 31 | 3.930 | NUP 2215 | |
| NUP-2216 | 80 | 140 | 101.2 | 33 | 4.930 | NUP 2216 | |
| NUP-2217 | 85 | 150 | 108.2 | 36 | 6.240 | NUP 2217 | |
| NUP-2218 | 90 | 160 | 114.2 | 40 | 7.750 | NUP 2218 | |
| NUP-2219 | 95 | 170 | 121 | 43 | 9.640 | NUP 2219 | |
| NUP-2220 | 100 | 180 | 128 | 46 | 11.670 | NUP 2220 | |
| NUP-2222 | 110 | 200 | 141.5 | 53 | 17.340 | NUP 2222 | |
| NUP-2224 | 120 | 215 | 153 | 58 | 21.450 | NUP 2224 | |
| NUP-2226 | 130 | 230 | 165.5 | 64 | 28.450 | NUP 2226 | |
| NUP-2228 | 140 | 250 | 179.5 | 68 | 35.780 | NUP 2228 | |
| NUP-2230 | 150 | 270 | 193 | 73 | 47.000 | NUP 2230 | |
| NUP-2232 | 160 | 290 | 207 | 80 | 60.000 | NUP 2232 | |
| NUP-2234 | 170 | 310 | 220.5 | 86 | 74.230 | NUP 2234 | |
| NUP-2236 | 180 | 320 | 230.5 | 86 | 76.220 | NUP 2236 | |
| NUP-2238 | 190 | 340 | 244.5 | 92 | 94.450 | NUP 2238 | |
| NUP-2240 | 200 | 360 | 258 | 98 | 114.450 | NUP 2240 | |
| NUP-2244 | 220 | 400 | 286 | 108 | 153.330 | NUP 2244 | |
| NUP-2248 | 240 | 440 | 313 | 120 | 195.550 | NUP 2248 | |
| NUP-2252 | 260 | 480 | 340 | 130 | 270.000 | NUP 2252 | |
| NUP-2256 | 280 | 500 | 360 | 130 | 284.450 | NUP 2256 | |
| NUP-2260 | 300 | 540 | 387 | 140 | 330.000 | NUP 2260 | |
| NUP-2264 | 320 | 580 | 415 | 150 | 447.780 | NUP 2264 | |

*"J" dimension equal to FAG and SKF. Other manufacturers' "J" dimension may vary.

NOTE:

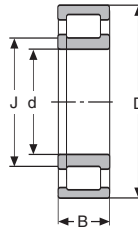
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY *

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF (Eur.) STEYR | Interchange | |
|------------------|---------------------|-----|--------|----|---------------------|----------------------|-------------|------------|
| | d | D | J** | B | | | ROLLWAY | Torrington |
| NUP-2203E | 17 | 40 | 24.7 | 16 | .260 | NUP 2203 E | - | NUP 2203 E |
| NUP-2204E | 20 | 47 | 29.85 | 18 | .390 | NUP 2204 E | - | NUP 2204 E |
| NUP-2205E | 25 | 52 | 34.85 | 18 | .460 | NUP 2205 E | - | NUP 2205 E |
| NUP-2206E | 30 | 62 | 41.4 | 20 | .740 | NUP 2206 E | - | NUP 2206 E |
| NUP-2207E | 35 | 72 | 48 | 23 | 1.120 | NUP 2207 E | - | NUP 2207 E |
| NUP-2208E | 40 | 80 | 54.1 | 23 | 1.360 | NUP 2208 E | - | NUP 2208 E |
| NUP-2209E | 45 | 85 | 59.1 | 23 | 1.470 | NUP 2209 E | - | NUP 2209 E |
| NUP-2210E | 50 | 90 | 64.1 | 23 | 1.600 | NUP 2210 E | - | NUP 2210 E |
| NUP-2211E | 55 | 100 | 70.95 | 25 | 2.370 | NUP 2211 E | - | NUP 2211 E |
| NUP-2212E | 60 | 110 | 77.7 | 28 | 2.970 | NUP 2212 E | - | NUP 2212 E |
| NUP-2213E | 65 | 120 | 84.55 | 31 | 3.920 | NUP 2213 E | - | NUP 2213 E |
| NUP-2214E | 70 | 125 | 89.55 | 31 | 4.160 | NUP 2214 E | LP 2214 U | - |
| NUP-2215E | 75 | 130 | 94.5 | 31 | 4.390 | NUP 2215 E | LP 2215 U | - |
| NUP-2216E | 80 | 140 | 101.65 | 33 | 5.190 | NUP 2216 E | LP 2216 U | - |
| NUP-2217E | 85 | 150 | 107.6 | 36 | 6.560 | NUP 2217 E | LP 2217 U | - |
| NUP-2218E | 90 | 160 | 114.45 | 40 | 8.150 | NUP 2218 E | LP 2218 U | - |
| NUP-2219E | 95 | 170 | 120.65 | 43 | 10.150 | NUP 2219 E | LP 2219 U | - |
| NUP-2220E | 100 | 180 | 127.5 | 46 | 12.230 | NUP 2220 E | LP 2220 U | - |
| NUP-2222E | 110 | 200 | 141.75 | 53 | 18.110 | NUP 2222 E | LP 2222 U | - |
| NUP-2224E | 120 | 215 | 153.45 | 58 | 22.450 | NUP 2224 E | LP 2224 U | - |
| NUP-2226E | 130 | 230 | 164.2 | 64 | 28.890 | NUP 2226 E | - | - |
| NUP-2228E | 140 | 250 | 180 | 68 | 38.670 | NUP 2228 E | - | - |
| NUP-2230E | 150 | 270 | 193.7 | 73 | 48.220 | NUP 2230 E | - | - |
| NUP-2232E | 160 | 290 | 206.1 | 80 | 61.450 | NUP 2232 E | - | - |
| NUP-2234E | 170 | 310 | 219.55 | 86 | 76.000 | NUP 2234 E | - | - |
| NUP-2236E | 180 | 320 | 229.55 | 86 | 78.110 | NUP 2236 E | - | - |
| NUP-2238E | 190 | 340 | 243.25 | 92 | 96.780 | NUP 2238 E | - | - |
| NUP-2240E | 200 | 360 | 256.9 | 98 | 116.670 | NUP 2240 E | - | - |

**"E" suffix designates higher radial capacity derived by utilizing larger rollers.

** "J" dimension equal to FAG and SKF. Other manufacturers' "J" dimension may vary.

NOTE:

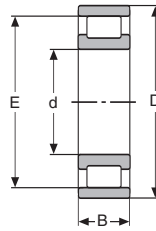
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | | | | |
|------------------|---------------------|-----|-------|-----|---------------------|---------------|-------------|-------|-----------------------|----------------------|------------|
| | d | D | E* | B | | | HYATT | HOFF | ROLLWAY (Bronze Cage) | ROLLWAY (Steel Cage) | TORRINGTON |
| N-301 | 12 | 37 | 30.5 | 12 | .170 | N 301 | - | R 312 | - | - | - |
| N-302 | 15 | 42 | 34 | 13 | .230 | N 302 | - | R 315 | - | - | - |
| N-303 | 17 | 47 | 39.1 | 14 | .300 | N 303 | - | R 317 | - | - | - |
| N-304 | 20 | 52 | 44.5 | 15 | .370 | N 304 | BU 1304 Z | R 320 | MCS 304 | RCS 304 | - |
| N-305 | 25 | 62 | 53 | 17 | .620 | N 305 | BU 1305 Z | R 325 | MCS 305 | RCS 305 | - |
| N-306 | 30 | 72 | 62 | 19 | .920 | N 306 | BU 1306 Z | R 330 | MCS 306 | RCS 306 | - |
| N-307 | 35 | 80 | 68.2 | 21 | 1.200 | N 307 | BU 1307 Z | R 335 | MCS 307 | RCS 307 | - |
| N-308 | 40 | 90 | 77.5 | 23 | 1.670 | N 308 | BU 1308 Z | R 340 | MCS 308 | RCS 308 | - |
| N-309 | 45 | 100 | 86.5 | 25 | 2.190 | N 309 | BU 1309 Z | R 345 | MCS 309 | RCS 309 | - |
| N-310 | 50 | 110 | 95 | 27 | 2.890 | N 310 | BU 1310 Z | R 350 | MCS 310 | RCS 310 | - |
| N-311 | 55 | 120 | 104.5 | 29 | 3.600 | N 311 | BU 1311 Z | R 355 | MCS 311 | RCS 311 | - |
| N-312 | 60 | 130 | 113 | 31 | 4.610 | N 312 | BU 1312 Z | R 360 | MCS 312 | RCS 312 | - |
| N-313 | 65 | 140 | 121.5 | 33 | 5.640 | N 313 | BU 1313 Z | R 365 | MCS 313 | RCS 313 | - |
| N-314 | 70 | 150 | 130 | 35 | 6.860 | N 314 | BU 1314 Z | R 370 | MCS 314 | RCS 314 | - |
| N-315 | 75 | 160 | 139.5 | 37 | 8.130 | N 315 | BU 1315 Z | R 375 | MCS 315 | RCS 315 | - |
| N-316 | 80 | 170 | 147 | 39 | 9.840 | N 316 | BU 1316 Z | R 380 | MCS 316 | RCS 316 | - |
| N-317 | 85 | 180 | 156 | 41 | 11.340 | N 317 | BU 1317 Z | R 385 | MCS 317 | RCS 317 | - |
| N-318 | 90 | 190 | 165 | 43 | 13.450 | N 318 | BU 1318 Z | R 390 | MCS 318 | RCS 318 | - |
| N-319 | 95 | 200 | 173.5 | 45 | 15.560 | N 319 | BU 1319 Z | R 395 | MCS 319 | RCS 319 | - |
| N-320 | 100 | 215 | 185.5 | 47 | 19.340 | N 320 | BU 1320 Z | R 400 | MCS 320 | RCS 320 | 100 RN 03 |
| N-321 | 105 | 225 | 195 | 49 | 22.000 | N 321 | BU 1321 Z | R 405 | MCS 321 | RCS 321 | 105 RN 03 |
| N-322 | 110 | 240 | 207 | 50 | 26.230 | N 322 | BU 1322 Z | R 410 | MCS 322 | RCS 322 | 110 RN 03 |
| N-324 | 120 | 260 | 226 | 55 | 32.780 | N 324 | BU 1324 Z | R 420 | MCS 324 | RCS 324 | 120 RN 03 |
| N-326 | 130 | 280 | 243 | 58 | 41.110 | N 326 | BU 1326 Z | R 430 | MCS 326 | RCS 326 | 130 RN 03 |
| N-328 | 140 | 300 | 260 | 62 | 49.450 | N 328 | BU 1328 Z | R 440 | MCS 328 | - | 140 RN 03 |
| N-330 | 150 | 320 | 277 | 65 | 66.110 | N 330 | - | R 450 | MCS 330 | - | 150 RN 03 |
| N-332 | 160 | 340 | 292 | 68 | 79.890 | N 332 | - | - | MCS 332 | - | 160 RN 03 |
| N-334 | 170 | 360 | 310 | 72 | 94.780 | N 334 | - | - | MCS 334 | - | 170 RN 03 |
| N-336 | 180 | 380 | 328 | 75 | 108.340 | N 336 | - | - | MCS 336 | - | 180 RN 03 |
| N-338 | 190 | 400 | 345 | 78 | 123.340 | N 338 | - | - | MCS 338 | - | 190 RN 03 |
| N-340 | 200 | 420 | 360 | 80 | 140.000 | N 340 | - | - | MCS 340 | - | 200 RN 03 |
| N-344 | 220 | 460 | 396 | 88 | 190.000 | N 344 | - | - | MCS 344 | - | 220 RN 03 |
| N-348 | 240 | 500 | 430 | 95 | 242.220 | N 348 | - | - | MCS 348 | - | 240 RN 03 |
| N-352 | 260 | 540 | 464 | 102 | 302.220 | N 352 | - | - | MCS 352 | - | 260 RN 03 |
| N-356 | 280 | 580 | 498 | 108 | 368.890 | N 356 | - | - | MCS 356 | - | 280 RN 03 |

*"E" dimension equal to FAG and SKF. Other manufacturers' "E" dimensions may vary.

NOTE:

1.) The above series is available with either:

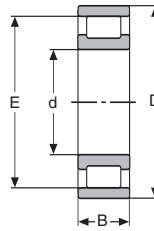
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) Sizes are also available with higher radial load capacity - suffix "E".

3.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

4.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY *

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange ROLLWAY |
|------------------|---------------------|-----|-------|----|---------------------|---------------------|------------------------|
| | d | D | E | B | | | |
| N-303E | 17 | 47 | 40.2 | 14 | .300 | N 303 E | - |
| N-304E | 20 | 52 | 45.5 | 15 | .370 | N 304 E | - |
| N-305E | 25 | 62 | 35.4 | 17 | .620 | N 305 E | - |
| N-306E | 30 | 72 | 62.5 | 19 | .920 | N 306 E | U 1306 E |
| N-307E | 35 | 80 | 70.2 | 21 | 1.200 | N 307 E | U 1307 E |
| N-308E | 40 | 90 | 80.0 | 23 | 1.670 | N 308 E | U 1308 E |
| N-309E | 45 | 100 | 88.5 | 25 | 2.190 | N 309 E | U 1309 E |
| N-310E | 50 | 110 | 97.0 | 27 | 2.890 | N 310 E | U 1310 E |
| N-311E | 55 | 120 | 106.5 | 29 | 3.600 | N 311 E | U 1311 E |
| N-312E | 60 | 130 | 115.0 | 31 | 4.610 | N 312 E | U 1312 E |
| N-313E | 65 | 140 | 124.5 | 33 | 5.640 | N 313 E | U 1313 E |
| N-314E | 70 | 150 | 133.0 | 35 | 6.860 | N 314 E | U 1314 E |
| N-315E | 75 | 160 | 143.0 | 37 | 8.130 | N 315 E | U 1315 E |
| N-316E | 80 | 170 | 151.0 | 39 | 9.840 | N 316 E | U 1316 E |
| N-317E | 85 | 180 | 160.0 | 41 | 11.340 | N 317 E | U 1317 E |
| N-318E | 90 | 190 | 169.5 | 43 | 13.450 | N 318 E | U 1318 E |
| N-319E | 95 | 200 | 177.5 | 45 | 15.560 | N 319 E | U 1319 E |
| N-320E | 100 | 215 | 191.5 | 47 | 19.340 | N 320 E | U 1320 E |
| N-322E | 110 | 240 | 211.0 | 50 | 26.230 | N 322 E | U 1322 E |
| N-324E | 120 | 260 | 230.0 | 55 | 32.780 | N 324 E | U 1324 E |
| N-326E | 130 | 280 | 247.0 | 58 | 41.110 | N 326 E | U 1326 E |
| N-328E | 140 | 300 | 264.0 | 62 | 49.450 | N 328 E | U 1328 E |
| N-330E | 150 | 320 | 283.0 | 65 | 66.110 | N 330 E | U 1330 E |
| N-332E | 160 | 340 | 300.0 | 68 | 79.890 | N 332 E | U 1332 E |
| N-334E | 170 | 360 | 318.0 | 72 | 83.550 | N 334 E | U 1334 E |

* "E" suffix designates higher radial load capacity derived by utilizing larger rollers.

NOTE:

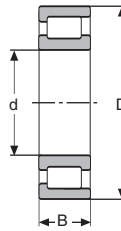
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Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | | | |
|------------------|---------------------|-----|----|---------------------|---------------------|-------------|---------|---------|------------|
| | d | D | B | | | HYATT | HOFF | ROLLWAY | TORRINGTON |
| NF-301 | 12 | 37 | 12 | .170 | NF 301 | - | R 312 L | - | - |
| NF-302 | 15 | 42 | 13 | .230 | NF 302 | - | R 315 L | - | - |
| NF-303 | 17 | 47 | 14 | .300 | NF 303 | - | R 317 L | - | - |
| NF-304 | 20 | 52 | 15 | .370 | NF 304 | BU 1304 L | R 320 L | ML 304 | - |
| NF-305 | 25 | 62 | 17 | .620 | NF 305 | BU 1305 L | R 325 L | ML 305 | - |
| NF-306 | 30 | 72 | 19 | .920 | NF 306 | BU 1306 L | R 330 L | ML 306 | - |
| NF-307 | 35 | 80 | 21 | 1.200 | NF 307 | BU 1307 L | R 335 L | ML 307 | - |
| NF-308 | 40 | 90 | 23 | 1.670 | NF 308 | BU 1308 L | R 340 L | ML 308 | - |
| NF-309 | 45 | 100 | 25 | 2.190 | NF 309 | BU 1309 L | R 345 L | ML 309 | - |
| NF-310 | 50 | 110 | 27 | 2.890 | NF 310 | BU 1310 L | R 350 L | ML 310 | - |
| NF-311 | 55 | 120 | 29 | 3.600 | NF 311 | BU 1311 L | R 355 L | ML 311 | - |
| NF-312 | 60 | 130 | 31 | 4.610 | NF 312 | BU 1312 L | R 360 L | ML 312 | - |
| NF-313 | 65 | 140 | 33 | 5.640 | NF 313 | BU 1313 L | R 365 L | ML 313 | - |
| NF-314 | 70 | 150 | 35 | 6.860 | NF 314 | BU 1314 L | R 370 L | ML 314 | - |
| NF-315 | 75 | 160 | 37 | 8.130 | NF 315 | BU 1315 L | R 375 L | ML 315 | - |
| NF-316 | 80 | 170 | 39 | 9.840 | NF 316 | BU 1316 L | R 380 L | ML 316 | - |
| NF-317 | 85 | 180 | 41 | 11.340 | NF 317 | BU 1317 L | R 385 L | ML 317 | - |
| NF-318 | 90 | 190 | 43 | 13.450 | NF 318 | BU 1318 L | R 390 L | ML 318 | - |
| NF-319 | 95 | 200 | 45 | 15.560 | NF 319 | BU 1319 L | R 395 L | ML 319 | - |
| NF-320 | 100 | 215 | 47 | 19.340 | NF 320 | BU 1320 L | R 400 L | ML 320 | 100 RF 03 |
| NF-321 | 105 | 225 | 49 | 22.000 | NF 321 | BU 1321 L | R 405 L | ML 321 | 105 RF 03 |
| NF-322 | 110 | 240 | 50 | 26.230 | NF 322 | BU 1322 L | R 410 L | ML 322 | 110 RF 03 |
| NF-324 | 120 | 260 | 55 | 32.780 | NF 324 | BU 1324 L | R 420 L | ML 324 | 120 RF 03 |
| NF-326 | 130 | 280 | 58 | 41.110 | NF 326 | BU 1326 L | R 430 L | ML 326 | 130 RF 03 |
| NF-328 | 140 | 300 | 62 | 49.450 | NF 328 | BU 1328 L | R 440 L | ML 328 | 140 RF 03 |
| NF-330 | 150 | 320 | 65 | 66.110 | NF 330 | - | R 450 L | ML 330 | 150 RF 03 |
| NF-332 | 160 | 340 | 68 | 79.890 | NF 332 | - | - | ML 332 | 160 RF 03 |
| NF-334 | 170 | 360 | 72 | 94.780 | NF 334 | - | - | ML 334 | 170 RF 03 |
| NF-336 | 180 | 380 | 75 | 108.340 | NF 336 | - | - | ML 336 | 180 RF 03 |

NOTE:

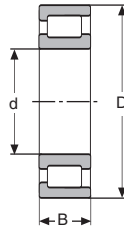
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Machined bronze cage - suffix "M".

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3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY*

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange ROLLWAY |
|------------------|---------------------|-----|----|---------------------|---------------------|------------------------|
| | d | D | B | | | |
| NF-303E | 17 | 47 | 14 | .320 | NF 303 E | - |
| NF-304E | 20 | 52 | 15 | .370 | NF 304 E | - |
| NF-305E | 25 | 62 | 17 | .620 | NF 305 E | - |
| NF-306E | 30 | 72 | 19 | .920 | NF 306 E | U 1306 L |
| NF-307E | 35 | 80 | 21 | 1.200 | NF 307 E | U 1307 L |
| NF-308E | 40 | 90 | 23 | 1.670 | NF 308 E | U 1308 L |
| NF-309E | 45 | 100 | 25 | 2.190 | NF 309 E | U 1309 L |
| NF-310E | 50 | 110 | 27 | 2.890 | NF 310 E | U 1310 L |
| NF-311E | 55 | 120 | 29 | 3.600 | NF 311 E | U 1311 L |
| NF-312E | 60 | 130 | 31 | 4.610 | NF 312 E | U 1312 L |
| NF-313E | 65 | 140 | 33 | 5.640 | NF 313 E | U 1313 L |
| NF-314E | 70 | 150 | 35 | 6.860 | NF 314 E | U 1314 L |
| NF-315E | 75 | 160 | 37 | 8.130 | NF 315 E | U 1315 L |
| NF-316E | 80 | 170 | 39 | 9.840 | NF 316 E | U 1316 L |
| NF-317E | 85 | 180 | 41 | 11.340 | NF 317 E | U 1317 L |
| NF-318E | 90 | 190 | 43 | 13.450 | NF 318 E | U 1318 L |
| NF-319E | 95 | 200 | 45 | 15.560 | NF 319 E | U 1319 L |
| NF-320E | 100 | 215 | 47 | 19.340 | NF 320 E | U 1320 L |
| NF-322E | 110 | 240 | 50 | 26.330 | NF 322 E | U 1322 L |

*"E" suffix designates higher radial load capacity derived by utilizing larger rollers.

NOTE:

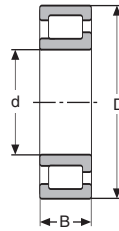
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | | | |
|------------------|---------------------|-----|-----|---------------------|---------------|-------------|---------|---------|------------|
| | d | D | B | | | HYATT | HOFF | ROLLWAY | TORRINGTON |
| NJ-301 | 12 | 37 | 12 | .170 | NJ 301 | - | R 312 P | - | - |
| NJ-302 | 15 | 42 | 13 | .230 | NJ 302 | - | R 315 P | - | - |
| NJ-303 | 17 | 47 | 14 | .300 | NJ 303 | - | R 317 P | - | - |
| NJ-304 | 20 | 52 | 15 | .370 | NJ 304 | - | R 320 P | MUL 304 | - |
| NJ-305 | 25 | 62 | 17 | .620 | NJ 305 | - | R 325 P | MUL 305 | - |
| NJ-306 | 30 | 72 | 19 | .920 | NJ 306 | R 1306 WB | R 330 P | MUL 306 | - |
| NJ-307 | 35 | 80 | 21 | 1.200 | NJ 307 | R 1307 WB | R 335 P | MUL 307 | - |
| NJ-308 | 40 | 90 | 23 | 1.670 | NJ 308 | R 1308 WB | R 340 P | MUL 308 | - |
| NJ-309 | 45 | 100 | 25 | 2.190 | NJ 309 | R 1309 WB | R 345 P | MUL 309 | - |
| NJ-310 | 50 | 110 | 27 | 2.890 | NJ 310 | R 1310 WB | R 350 P | MUL 310 | - |
| NJ-311 | 55 | 120 | 29 | 3.600 | NJ 311 | R 1311 WB | R 355 P | MUL 311 | - |
| NJ-312 | 60 | 130 | 31 | 4.610 | NJ 312 | R 1312 WB | R 360 P | MUL 312 | - |
| NJ-313 | 65 | 140 | 33 | 5.640 | NJ 313 | R 1313 WB | R 365 P | MUL 313 | - |
| NJ-314 | 70 | 150 | 35 | 6.860 | NJ 314 | R 1314 WB | R 370 P | MUL 314 | - |
| NJ-315 | 75 | 160 | 37 | 8.130 | NJ 315 | R 1315 WB | R 375 P | MUL 315 | - |
| NJ-316 | 80 | 170 | 39 | 9.840 | NJ 316 | R 1316 WB | R 380 P | MUL 316 | - |
| NJ-317 | 85 | 180 | 41 | 11.340 | NJ 317 | R 1317 WB | R 385 P | MUL 317 | - |
| NJ-318 | 90 | 190 | 43 | 13.450 | NJ 318 | - | R 390 P | MUL 318 | - |
| NJ-319 | 95 | 200 | 45 | 15.560 | NJ 319 | R 1319 WB | R 395 P | MUL 319 | - |
| NJ-320 | 100 | 215 | 47 | 19.340 | NJ 320 | - | R 400 P | MUL 320 | 100 RJ 03 |
| NJ-321 | 105 | 225 | 49 | 22.000 | NJ 321 | R 1321 WB | R 405 P | MUL 321 | 105 RJ 03 |
| NJ-322 | 110 | 240 | 50 | 26.230 | NJ 322 | R 1322 WB | R 410 P | MUL 322 | 110 RJ 03 |
| NJ-323 | 115 | 250 | 53 | 29.300 | NJ 323 | - | - | - | - |
| NJ-324 | 120 | 260 | 55 | 32.780 | NJ 324 | R 1324 WB | - | MUL 324 | 120 RJ 03 |
| NJ-326 | 130 | 280 | 58 | 41.110 | NJ 326 | R 1326 WB | - | MUL 326 | 130 RJ 03 |
| NJ-328 | 140 | 300 | 62 | 49.450 | NJ 328 | R 1328 WB | - | MUL 328 | 140 RJ 03 |
| NJ-330 | 150 | 320 | 65 | 66.110 | NJ 330 | - | - | MUL 330 | 150 RJ 03 |
| NJ-332 | 160 | 340 | 68 | 79.890 | NJ 332 | - | - | MUL 332 | 160 RJ 03 |
| NJ-334 | 170 | 360 | 72 | 94.780 | NJ 334 | - | - | MUL 334 | 170 RJ 03 |
| NJ-336 | 180 | 380 | 75 | 108.340 | NJ 336 | - | - | MUL 336 | 180 RJ 03 |
| NJ-338 | 190 | 400 | 78 | 123.340 | NJ 338 | - | - | MUL 338 | 190 RJ 03 |
| NJ-340 | 200 | 420 | 80 | 140.000 | NJ 340 | - | - | MUL 340 | 200 RJ 03 |
| NJ-344 | 220 | 460 | 88 | 190.000 | NJ 344 | - | - | MUL 344 | 220 RJ 03 |
| NJ-348 | 240 | 500 | 95 | 242.220 | NJ 348 | - | - | MUL 348 | 240 RJ 03 |
| NJ-352 | 260 | 540 | 102 | 302.220 | NJ 352 | - | - | MUL 352 | 260 RJ 03 |
| NJ-356 | 280 | 580 | 108 | 368.890 | NJ 356 | - | - | MUL 356 | 280 RJ 03 |

NOTE:

1.) The above series is available with either:

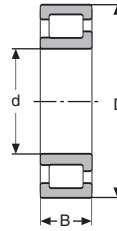
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) For NH-300 Series combine NJ-300 Bearing with HJ-300 Angle Ring. Example: NJ-320 and HJ-320 = NH-320.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY*

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | |
|------------------|---------------------|-----|----|---------------------|---------------------|-------------|------------|
| | d | D | B | | | ROLLWAY | Torrington |
| NJ-303E | 17 | 47 | 14 | .350 | NJ 303 E | - | NJ 303 E |
| NJ-304E | 20 | 52 | 15 | .440 | NJ 304 E | - | NJ 304 E |
| NJ-305E | 25 | 62 | 17 | .680 | NJ 305 E | - | NJ 305 E |
| NJ-306E | 30 | 72 | 19 | .980 | NJ 306 E | L 1306 U | NJ 306 E |
| NJ-307E | 35 | 80 | 21 | 1.340 | NJ 307 E | L 1307 U | NJ 307 E |
| NJ-308E | 40 | 90 | 23 | 1.850 | NJ 308 E | L 1308 U | NJ 308 E |
| NJ-309E | 45 | 100 | 25 | 2.450 | NJ 309 E | L 1309 U | NJ 309 E |
| NJ-310E | 50 | 110 | 27 | 3.190 | NJ 310 E | L 1310 U | NJ 310 E |
| NJ-311E | 55 | 120 | 29 | 4.040 | NJ 311 E | L 1311 U | NJ 311 E |
| NJ-312E | 60 | 130 | 31 | 5.020 | NJ 312 E | L 1312 U | - |
| NJ-313E | 65 | 140 | 33 | 6.230 | NJ 313 E | L 1313 U | - |
| NJ-314E | 70 | 150 | 35 | 7.600 | NJ 314 E | L 1314 U | - |
| NJ-315E | 75 | 160 | 37 | 9.170 | NJ 315 E | L 1315 U | - |
| NJ-316E | 80 | 170 | 39 | 10.350 | NJ 316 E | L 1316 U | - |
| NJ-317E | 85 | 180 | 41 | 11.780 | NJ 317 E | L 1317 U | - |
| NJ-318E | 90 | 190 | 43 | 14.000 | NJ 318 E | L 1318 U | - |
| NJ-319E | 95 | 200 | 45 | 16.230 | NJ 319 E | L 1319 U | - |
| NJ-320E | 100 | 215 | 47 | 21.000 | NJ 320 E | L 1320 U | - |
| NJ-322E | 110 | 240 | 50 | 27.230 | NJ 322 E | L 1322 U | - |
| NJ-323E | 115 | 250 | 53 | 30.000 | - | - | - |
| NJ-324E | 120 | 260 | 55 | 34.000 | NJ 324 E | L 1324 U | - |
| NJ-326E | 130 | 280 | 58 | 47.560 | NJ 326 E | L 1326 U | - |
| NJ-328E | 140 | 300 | 62 | 56.890 | NJ 328 E | L 1328 U | - |
| NJ-330E | 150 | 320 | 65 | 69.560 | NJ 330 E | L 1330 U | - |
| NJ-332E | 160 | 340 | 68 | 83.340 | NJ 332 E | L 1332 U | - |
| NJ-334E | 170 | 360 | 72 | 98.000 | NJ 334 E | L 1334 U | - |
| NJ-336E | 180 | 380 | 75 | 112.500 | NJ 336 E | L 1336 U | - |
| NJ-338E | 190 | 400 | 78 | 130.250 | NJ 338 E | L 1338 U | - |

*"E" suffix designates higher radial load capacity derived by utilizing larger rollers.

NOTE:

1.) The above sizes are available with either:

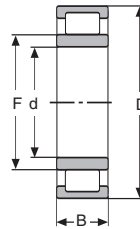
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) For NH-300E Series combine NJ-300E Bearing with HJ-300E Angle Ring. Example: NJ-320E and HJ-320E = NH-320E.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | | | |
|------------------|---------------------|-----|-------|-----|---------------------|---------------|-------------|---------|---------|------------|
| | d | D | F* | B | | | HYATT | HOFF | ROLLWAY | Torrington |
| NU-301 | 12 | 37 | 18.5 | 12 | .170 | NU 301 | - | R 312 E | - | - |
| NU-302 | 15 | 42 | 21 | 13 | .230 | NU 302 | - | R 315 E | - | - |
| NU-303 | 17 | 47 | 25.1 | 14 | .300 | NU 303 | A 1303 TS | R 317 E | - | - |
| NU-304 | 20 | 52 | 28.5 | 15 | .370 | NU 304 | A 1304 TS | R 320 E | MUC 304 | - |
| NU-305 | 25 | 62 | 35 | 17 | .620 | NU 305 | A 1305 TS | R 325 E | MUC 305 | - |
| NU-306 | 30 | 72 | 42 | 19 | .920 | NU 306 | A 1306 TS | R 330 E | MUC 306 | - |
| NU-307 | 35 | 80 | 46.2 | 21 | 1.200 | NU 307 | A 1307 TS | R 335 E | MUC 307 | - |
| NU-308 | 40 | 90 | 53.5 | 23 | 1.670 | NU 308 | A 1308 TS | R 340 E | MUC 308 | - |
| NU-309 | 45 | 100 | 58.5 | 25 | 2.190 | NU 309 | A 1309 TS | R 345 E | MUC 309 | - |
| NU-310 | 50 | 110 | 65 | 27 | 2.890 | NU 310 | A 1310 TS | R 350 E | MUC 310 | - |
| NU-311 | 55 | 120 | 70.5 | 29 | 3.600 | NU 311 | A 1311 TS | R 355 E | MUC 311 | - |
| NU-312 | 60 | 130 | 77. | 31 | 4.610 | NU 312 | A 1312 TS | R 360 E | MUC 312 | - |
| NU-313 | 65 | 140 | 83.5 | 33 | 5.640 | NU 313 | A 1313 TS | R 365 E | MUC 313 | - |
| NU-314 | 70 | 150 | 90 | 35 | 6.860 | NU 314 | A 1314 TS | R 370 E | MUC 314 | - |
| NU-315 | 75 | 160 | 95.5 | 37 | 8.130 | NU 315 | A 1315 TS | R 375 E | MUC 315 | - |
| NU-316 | 80 | 170 | 103 | 39 | 9.840 | NU 316 | A 1316 TS | R 380 E | MUC 316 | - |
| NU-317 | 85 | 180 | 108 | 41 | 11.340 | NU 317 | A 1317 TS | R 385 E | MUC 317 | - |
| NU-318 | 90 | 190 | 115 | 43 | 13.450 | NU 318 | A 1318 TS | R 390 E | MUC 318 | - |
| NU-319 | 95 | 200 | 121.5 | 45 | 15.560 | NU 319 | A 1319 TS | R 395 E | MUC 319 | - |
| NU-320 | 100 | 215 | 129.5 | 47 | 19.340 | NU 320 | A 1320 TS | R 400 E | MUC 320 | 100 RU 03 |
| NU-321 | 105 | 225 | 135 | 49 | 22.000 | NU 321 | A 1321 TS | R 405 E | MUC 321 | 105 RU 03 |
| NU-322 | 110 | 240 | 143 | 50 | 26.230 | NU 322 | A 1322 TS | R 410 E | MUC 322 | 110 RU 03 |
| NU-324 | 120 | 260 | 154 | 55 | 32.780 | NU 324 | A 1324 TS | R 420 E | MUC 324 | 120 RU 03 |
| NU-326 | 130 | 280 | 167 | 58 | 41.110 | NU 326 | A 1326 TS | R 430 E | MUC 326 | 130 RU 03 |
| NU-328 | 140 | 300 | 180 | 62 | 49.450 | NU 328 | - | R 440 E | MUC 328 | 140 RU 03 |
| NU-330 | 150 | 320 | 193 | 65 | 66.110 | NU 330 | - | R 450 E | MUC 330 | 150 RU 03 |
| NU-332 | 160 | 340 | 208 | 68 | 79.890 | NU 332 | - | - | MUC 332 | 160 RU 03 |
| NU-334 | 170 | 360 | 220 | 72 | 94.780 | NU 334 | - | - | MUC 334 | 170 RU 03 |
| NU-336 | 180 | 380 | 232 | 75 | 108.340 | NU 336 | - | - | MUC 336 | 180 RU 03 |
| NU-338 | 190 | 400 | 245 | 78 | 123.340 | NU 338 | - | - | MUC 338 | 190 RU 03 |
| NU-340 | 200 | 420 | 260 | 80 | 140.000 | NU 340 | - | - | MUC 340 | 200 RU 03 |
| NU-344 | 220 | 460 | 284 | 88 | 190.000 | NU 344 | - | - | MUC 344 | 220 RU 03 |
| NU-348 | 240 | 500 | 310 | 95 | 242.220 | NU 348 | - | - | MUC 348 | 240 RU 03 |
| NU-352 | 260 | 540 | 336 | 102 | 302.220 | NU 352 | - | - | MUC 352 | 260 RU 03 |
| NU-356 | 280 | 580 | 362 | 108 | 368.890 | NU 356 | - | - | MUC 356 | 280 RU 03 |
| NU-360 | 300 | 620 | 388 | 109 | 372.577 | NU360 | - | - | MUC 360 | 300 RU 03 |

*"F" dimension equal to FAG and SKF. Other manufacturers' "F" dimension may vary.

NOTE:

1.) The above series is available with either:

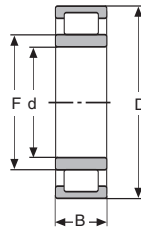
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) These bearings are available with tapered bore - suffix "K". Consult factory for availability.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY*

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|-----|-------|----|---------------------|---------------|------------|------------|
| | d | D | F** | B | | FAG SKF STEYR | ROLLWAY | Torrington |
| NU-303E | 17 | 47 | 24.2 | 14 | .350 | NU 303 E | - | NU 303 E |
| NU-304E | 20 | 52 | 27.5 | 15 | .440 | NU 304 E | - | NU 304 E |
| NU-305E | 25 | 62 | 34 | 17 | .680 | NU 305 E | - | NU 305 E |
| NU-306E | 30 | 72 | 40.5 | 19 | .980 | NU 306 E | E 1306 B/U | NU 306 E |
| NU-307E | 35 | 80 | 46.2 | 21 | 1.340 | NU 307 E | E 1307 B/U | NU 307 E |
| NU-308E | 40 | 90 | 52 | 23 | 1.850 | NU 308 E | E 1308 B/U | NU 308 E |
| NU-309E | 45 | 100 | 58.5 | 25 | 2.450 | NU 309 E | E 1309 B/U | NU 309 E |
| NU-310E | 50 | 110 | 65 | 27 | 3.190 | NU 310 E | E 1310 B/U | NU 310 E |
| NU-311E | 55 | 120 | 70.5 | 29 | 4.040 | NU 311 E | E 1311 B/U | NU 311 E |
| NU-312E | 60 | 130 | 77 | 31 | 5.020 | NU 312 E | E 1312 B/U | - |
| NU-313E | 65 | 140 | 82.5 | 33 | 6.230 | NU 313 E | E 1313 B/U | - |
| NU-314E | 70 | 150 | 89 | 35 | 7.600 | NU 314 E | E 1314 B/U | - |
| NU-315E | 75 | 160 | 95 | 37 | 9.170 | NU 315 E | E 1315 B/U | - |
| NU-316E | 80 | 170 | 101 | 39 | 10.350 | NU 316 E | E 1316 B/U | - |
| NU-317E | 85 | 180 | 108 | 41 | 11.780 | NU 317 E | E 1317 B/U | - |
| NU-318E | 90 | 190 | 113.5 | 43 | 14.000 | NU 318 E | E 1318 B/U | - |
| NU-319E | 95 | 200 | 121.5 | 45 | 16.230 | NU 319 E | E 1319 B/U | - |
| NU-320E | 100 | 215 | 127.5 | 47 | 21.000 | NU 320 E | E 1320 B/U | - |
| NU-322E | 110 | 240 | 143 | 50 | 27.230 | NU 322 E | E 1322 B/U | - |
| NU-324E | 120 | 260 | 154 | 55 | 34.000 | NU 324 E | E 1324 B/U | - |
| NU-326E | 130 | 280 | 167 | 58 | 47.560 | NU 326 E | E 1326 B/U | - |
| NU-328E | 140 | 300 | 180 | 62 | 56.890 | NU 328 E | E 1328 B/U | - |
| NU-330E | 150 | 320 | 193 | 65 | 69.560 | NU 330 E | E 1330 B/U | - |
| NU-332E | 160 | 340 | 204 | 68 | 83.340 | NU 332 E | E 1332 B/U | - |
| NU-334E | 170 | 360 | 218 | 72 | 81.130 | NU 334 E | E 1334 B/U | - |
| NU-336E | 180 | 380 | 231 | 75 | 94.800 | NU 336 E | E 1336 B/U | - |
| NU-338E | 190 | 400 | 245 | 78 | 108.690 | NU 338 E | E 1338 B/U | - |
| NU-340E | 200 | 420 | 258 | 80 | 113.980 | NU 340 E | E 1340 B/U | - |
| NU-344E | 220 | 460 | 282 | 88 | 160.940 | NU 344 E | E 1344 B/U | - |
| NU-348E | 240 | 500 | 306 | 95 | 204.810 | NU 348 E | E 1348 B/U | - |

*"E" suffix designates higher radial load capacity derived by utilizing larger rollers.

** "F" dimension equal to FAG and SKF. Other manufacturers' "F" dimension may vary.

NOTE:

1.) The above series is available with either:

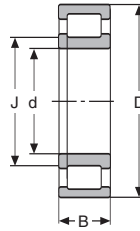
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) These bearings are available with tapered bore - suffix "K". Consult factory for availability.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange TORRINGTON |
|------------------|---------------------|-----|-------|-----|---------------------|---------------|------------------------|
| | d | D | J* | B | | | |
| NUP-301 | 12 | 37 | 21.35 | 12 | .170 | NUP 301 | - |
| NUP-302 | 15 | 42 | 24.2 | 13 | .230 | NUP 302 | - |
| NUP-303 | 17 | 47 | 28.4 | 14 | .300 | NUP 303 | - |
| NUP-304 | 20 | 52 | 31.8 | 15 | .370 | NUP 304 | - |
| NUP-305 | 25 | 62 | 39 | 17 | .620 | NUP 305 | - |
| NUP-306 | 30 | 72 | 45.9 | 19 | .920 | NUP 306 | - |
| NUP-307 | 35 | 80 | 50.8 | 21 | 1.200 | NUP 307 | - |
| NUP-308 | 40 | 90 | 58.4 | 23 | 1.670 | NUP 308 | - |
| NUP-309 | 45 | 100 | 64 | 25 | 2.190 | NUP 309 | - |
| NUP-310 | 50 | 110 | 71 | 27 | 2.890 | NUP 310 | - |
| NUP-311 | 55 | 120 | 77.2 | 29 | 3.600 | NUP 311 | - |
| NUP-312 | 60 | 130 | 84.2 | 31 | 4.610 | NUP 312 | - |
| NUP-313 | 65 | 140 | 91 | 33 | 5.640 | NUP 313 | - |
| NUP-314 | 70 | 150 | 98 | 35 | 6.860 | NUP 314 | - |
| NUP-315 | 75 | 160 | 104.2 | 37 | 8.130 | NUP 315 | - |
| NUP-316 | 80 | 170 | 111.8 | 39 | 9.840 | NUP 316 | - |
| NUP-317 | 85 | 180 | 117.5 | 41 | 11.340 | NUP 317 | - |
| NUP-318 | 90 | 190 | 125 | 43 | 13.450 | NUP 318 | - |
| NUP-319 | 95 | 200 | 132 | 45 | 15.560 | NUP 319 | - |
| NUP-320 | 100 | 215 | 140.5 | 47 | 19.340 | NUP 320 | 100 RT 03 |
| NUP-321 | 105 | 225 | 147 | 49 | 22.000 | NUP 321 | 105 RT 03 |
| NUP-322 | 110 | 240 | 155.5 | 50 | 26.230 | NUP 322 | 110 RT 03 |
| NUP-324 | 120 | 260 | 168.5 | 55 | 32.780 | NUP 324 | 120 RT 03 |
| NUP-326 | 130 | 280 | 182 | 58 | 41.110 | NUP 326 | 130 RT 03 |
| NUP-328 | 140 | 300 | 196 | 62 | 49.450 | NUP 328 | 140 RT 03 |
| NUP-330 | 150 | 320 | 210 | 65 | 66.110 | NUP 330 | 150 RT 03 |
| NUP-332 | 160 | 340 | 225 | 68 | 79.890 | NUP 332 | 160 RT 03 |
| NUP-334 | 170 | 360 | 238 | 72 | 94.780 | NUP 334 | 170 RT 03 |
| NUP-336 | 180 | 380 | 252 | 75 | 108.340 | NUP 336 | 180 RT 03 |
| NUP-338 | 190 | 400 | 265 | 78 | 123.340 | NUP 338 | 190 RT 03 |
| NUP-340 | 200 | 420 | 280 | 80 | 140.000 | NUP 340 | 200 RT 03 |
| NUP-344 | 220 | 460 | 307 | 88 | 190.000 | NUP 344 | 220 RT 03 |
| NUP-348 | 240 | 500 | 335 | 95 | 242.220 | NUP 348 | 240 RT 03 |
| NUP-352 | 260 | 540 | 362 | 102 | 302.220 | NUP 352 | 260 RT 03 |
| NUP-356 | 280 | 580 | 390 | 108 | 368.890 | NUP 356 | 280 RT 03 |

*"J" dimension equal to FAG and SKF. Other manufacturers' "J" dimension may vary.

NOTE:

1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

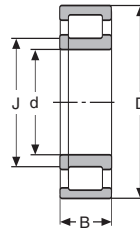
Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) This series has the same boundary dimensions as the equivalent Norma Hoffmann R-300-LL series.

The load carrying capacity of this series is greater than the comparable R-300-LL series.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY*

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | |
|------------------|---------------------|-----|-------|----|---------------------|---------------------|-------------|------------|
| | d | D | J** | B | | | ROLLWAY | Torrington |
| NUP-303E | 17 | 47 | 27.6 | 14 | .350 | NUP 303 E | - | NUP 303 E |
| NUP-304E | 20 | 52 | 31 | 15 | .440 | NUP 304 E | - | NUP 304 E |
| NUP-305E | 25 | 62 | 38 | 17 | .680 | NUP 305 E | - | NUP 305 E |
| NUP-306E | 30 | 72 | 44 | 19 | .980 | NUP 306 E | LP 1306 U | NUP 306 E |
| NUP-307E | 35 | 80 | 50.8 | 21 | 1.340 | NUP 307 E | LP 1307 U | NUP 307 E |
| NUP-308E | 40 | 90 | 57.7 | 23 | 1.850 | NUP 308 E | LP 1308 U | NUP 308 E |
| NUP-309E | 45 | 100 | 64.6 | 25 | 2.450 | NUP 309 E | LP 1309 U | NUP 309 E |
| NUP-310E | 50 | 110 | 71.3 | 27 | 3.190 | NUP 310 E | LP 1310 U | NUP 310 E |
| NUP-311E | 55 | 120 | 77.7 | 29 | 4.040 | NUP 311 E | LP 1311 U | NUP 311 E |
| NUP-312E | 60 | 130 | 84.5 | 31 | 5.020 | NUP 312 E | LP 1312 U | - |
| NUP-313E | 65 | 140 | 90.8 | 33 | 6.230 | NUP 313 E | LP 1313 U | - |
| NUP-314E | 70 | 150 | 98 | 35 | 7.600 | NUP 314 E | LP 1314 U | - |
| NUP-315E | 75 | 160 | 104.8 | 37 | 9.170 | NUP 315 E | LP 1315 U | - |
| NUP-316E | 80 | 170 | 111.1 | 39 | 10.350 | NUP 316 E | LP 1316 U | - |
| NUP-317E | 85 | 180 | 118.3 | 41 | 11.780 | NUP 317 E | LP 1317 U | - |
| NUP-318E | 90 | 190 | 124.7 | 43 | 14.000 | NUP 318 E | LP 1318 U | - |
| NUP-319E | 95 | 200 | 132.8 | 45 | 16.230 | NUP 319 E | LP 1319 U | - |
| NUP-320E | 100 | 215 | 140.5 | 47 | 21.000 | NUP 320 E | LP 1320 U | - |
| NUP-322E | 110 | 240 | 156.4 | 50 | 27.230 | NUP 322 E | LP 1322 U | - |
| NUP-324E | 120 | 260 | 169.2 | 55 | 34.000 | NUP 324 E | LP 1324 U | - |
| NUP-326E | 130 | 280 | 183 | 58 | 47.560 | NUP 326 E | LP 1326 U | - |
| NUP-328E | 140 | 300 | 196.8 | 62 | 56.890 | NUP 328 E | LP 1328 U | - |
| NUP-330E | 150 | 320 | 211 | 65 | 69.580 | NUP 330 E | LP 1330 U | - |
| NUP-332E | 160 | 340 | 223.2 | 68 | 83.340 | NUP 332 E | LP 1332 U | - |

* "E" suffix designates higher radial load capacity derived by utilizing larger rollers.

** "J" dimension equal to FAG and SKF. Other manufacturers' "J" dimension may vary.

NOTE:

1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

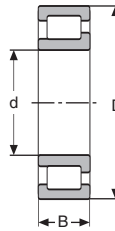
Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) This series has the same boundary dimensions as the equivalent Norma Hoffmann R-300-LL Series.

The load carrying capacity of this series is greater than the comparable R-300-LL series.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange FAG SKF STEYR |
|------------------|---------------------|-----|-----|---------------------|------------------------------------|
| | d | D | B | | |
| NJ-2302 | 15 | 42 | 17 | .300 | - |
| NJ-2303 | 17 | 47 | 19 | .410 | NJ 2303 |
| NJ-2304 | 20 | 52 | 21 | .500 | NJ 2304 |
| NJ-2305 | 25 | 62 | 24 | .860 | NJ 2305 |
| NJ-2306 | 30 | 72 | 27 | 1.290 | NJ 2306 |
| NJ-2307 | 35 | 80 | 31 | 1.770 | NJ 2307 |
| NJ-2308 | 40 | 90 | 33 | 2.420 | NJ 2308 |
| NJ-2309 | 45 | 100 | 36 | 3.160 | NJ 2309 |
| NJ-2310 | 50 | 110 | 40 | 4.290 | NJ 2310 |
| NJ-2311 | 55 | 120 | 43 | 5.320 | NJ 2311 |
| NJ-2312 | 60 | 130 | 46 | 6.790 | NJ 2312 |
| NJ-2313 | 65 | 140 | 48 | 8.210 | NJ 2313 |
| NJ-2314 | 70 | 150 | 51 | 10.000 | NJ 2314 |
| NJ-2315 | 75 | 160 | 55 | 12.230 | NJ 2315 |
| NJ-2316 | 80 | 170 | 58 | 14.670 | NJ 2316 |
| NJ-2317 | 85 | 180 | 60 | 16.670 | NJ 2317 |
| NJ-2318 | 90 | 190 | 64 | 20.000 | NJ 2318 |
| NJ-2319 | 95 | 200 | 67 | 22.930 | NJ 2319 |
| NJ-2320 | 100 | 215 | 73 | 26.680 | NJ 2320 |
| NJ-2321 | 105 | 225 | 77 | 34.450 | NJ 2321 |
| NJ-2322 | 110 | 240 | 80 | 40.790 | NJ 2322 |
| NJ-2324 | 120 | 260 | 86 | 50.480 | NJ 2324 |
| NJ-2326 | 130 | 280 | 93 | 63.280 | NJ 2326 |
| NJ-2328 | 140 | 300 | 102 | 79.590 | NJ 2328 |
| NJ-2330 | 150 | 320 | 108 | 95.900 | NJ 2330 |
| NJ-2332 | 160 | 340 | 114 | 114.860 | NJ 2332 |
| NJ-2334 | 170 | 360 | 120 | 135.140 | NJ 2334 |
| NJ-2336 | 180 | 380 | 126 | 158.290 | NJ 2336 |
| NJ-2338 | 190 | 400 | 132 | 183.430 | NJ 2338 |
| NJ-2340 | 200 | 420 | 138 | 211.420 | NJ 2340 |
| NJ-2344 | 220 | 460 | 145 | 264.560 | NJ 2344 |
| NJ-2348 | 240 | 500 | 155 | 337.310 | NJ 2348 |
| NJ-2352 | 260 | 540 | 165 | 416.670 | NJ 2352 |
| NJ-2356 | 280 | 580 | 175 | 509.270 | NJ 2356 |

NOTE:

1.) The above series is available with either:

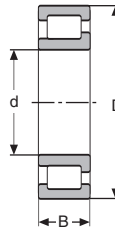
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) For NH-2300 Series combine NJ-2300 Bearing with HJ-2300 Angle Ring. Example: NJ-2315 and HJ-2315 = NH-2315.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY*

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | |
|------------------|---------------------|-----|-----|---------------------|---------------------|-------------|------------|
| | d | D | B | | | ROLLWAY | Torrington |
| NJ-2304E | 20 | 52 | 21 | .540 | NJ 2304E | - | NJ 2304E |
| NJ-2305E | 25 | 62 | 24 | .860 | NJ 2305E | - | NJ 2305E |
| NJ-2306E | 30 | 72 | 27 | 1.300 | NJ 2306E | - | NJ 2306E |
| NJ-2307E | 35 | 80 | 31 | 1.790 | NJ 2307E | - | NJ 2307E |
| NJ-2308E | 40 | 90 | 33 | 2.360 | NJ 2308E | - | NJ 2308E |
| NJ-2309E | 45 | 100 | 36 | 3.200 | NJ 2309E | - | NJ 2309E |
| NJ-2310E | 50 | 110 | 40 | 4.280 | NJ 2310E | L 2310 U | NJ 2310E |
| NJ-2311E | 55 | 120 | 43 | 5.450 | NJ 2311E | L 2311 U | NJ 2311E |
| NJ-2312E | 60 | 130 | 46 | 6.810 | NJ 2312E | L 2312 U | - |
| NJ-2313E | 65 | 140 | 48 | 8.180 | NJ 2313E | L 2313 U | - |
| NJ-2314E | 70 | 150 | 51 | 10.030 | NJ 2314E | L 2314 U | - |
| NJ-2315E | 75 | 160 | 55 | 12.170 | NJ 2315E | L 2315 U | - |
| NJ-2316E | 80 | 170 | 58 | 14.480 | NJ 2316E | L 2316 U | - |
| NJ-2317E | 85 | 180 | 60 | 16.820 | NJ 2317E | L 2317 U | - |
| NJ-2318E | 90 | 190 | 64 | 20.020 | NJ 2318E | L 2318 U | - |
| NJ-2319E | 95 | 200 | 67 | 23.150 | NJ 2319E | L 2319 U | - |
| NJ-2320E | 100 | 215 | 73 | 29.320 | NJ 2320E | L 2320 U | - |
| NJ-2322E | 110 | 240 | 80 | 41.000 | NJ 2322E | L 2322 U | - |
| NJ-2324E | 120 | 260 | 86 | 51.150 | NJ 2324E | L 2324 U | - |
| NJ-2326E | 130 | 280 | 93 | 64.150 | NJ 2326E | L 2326 U | - |
| NJ-2328E | 140 | 300 | 102 | 80.470 | NJ 2328E | L 2328 U | - |
| NJ-2330E | 150 | 320 | 108 | 96.780 | NJ 2330E | L 2330 U | - |
| NJ-2332E | 160 | 340 | 114 | 115.080 | NJ 2332E | L 2332 U | - |
| NJ-2334E | 170 | 360 | 120 | 137.780 | NJ 2334E | L 2334 U | - |
| NJ-2336E | 180 | 380 | 126 | 160.050 | NJ 2336E | L 2336 U | - |
| NJ-2338E | 190 | 400 | 132 | 187.170 | NJ 2338E | L 2338 U | - |
| NJ-2340E | 200 | 420 | 138 | 215.610 | NJ 2340E | L 2340 U | - |
| NJ-2344E | 220 | 460 | 145 | 266.760 | NJ 2344E | L 2344 U | - |

*"E" suffix designates higher radial load capacity derived by utilizing larger rollers.

NOTE:

1.) The above series is available with either:

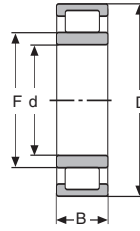
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) For NH-2300E Series combine NJ-2300E Bearing with HJ-2300E Angle Ring. Example: NJ-2315E and HJ-2315E = NH-2315E.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange |
|------------------|---------------------|-----|-------|-----|---------------------|---------------------|-------------|
| | d | D | F* | B | | | |
| NU-2302 | 15 | 42 | 21 | 17 | .300 | - | |
| NU-2303 | 17 | 47 | 25.1 | 19 | .410 | NU 2303 | |
| NU-2304 | 20 | 52 | 28.5 | 21 | .500 | NU 2304 | |
| NU-2305 | 25 | 62 | 35 | 24 | .860 | NU 2305 | |
| NU-2306 | 30 | 72 | 42 | 27 | 1.290 | NU 2306 | |
| NU-2307 | 35 | 80 | 46.2 | 31 | 1.770 | NU 2307 | |
| NU-2308 | 40 | 90 | 53.5 | 33 | 2.420 | NU 2308 | |
| NU-2309 | 45 | 100 | 58.5 | 36 | 3.160 | NU 2309 | |
| NU-2310 | 50 | 110 | 65 | 40 | 4.290 | NU 2310 | |
| NU-2311 | 55 | 120 | 70.5 | 43 | 5.320 | NU 2311 | |
| NU-2312 | 60 | 130 | 77 | 46 | 6.790 | NU 2312 | |
| NU-2313 | 65 | 140 | 83.5 | 48 | 8.210 | NU 2313 | |
| NU-2314 | 70 | 150 | 90 | 51 | 10.000 | NU 2314 | |
| NU-2315 | 75 | 160 | 95.5 | 55 | 12.230 | NU 2315 | |
| NU-2316 | 80 | 170 | 103 | 58 | 14.670 | NU 2316 | |
| NU-2317 | 85 | 180 | 108 | 60 | 16.670 | NU 2317 | |
| NU-2318 | 90 | 190 | 115 | 64 | 20.000 | NU 2318 | |
| NU-2319 | 95 | 200 | 121.5 | 67 | 22.930 | NU 2319 | |
| NU-2320 | 100 | 215 | 129.5 | 73 | 26.680 | NU 2320 | |
| NU-2321 | 105 | 225 | 135 | 77 | 34.450 | NU 2321 | |
| NU-2322 | 110 | 240 | 143 | 80 | 40.790 | NU 2322 | |
| NU-2324 | 120 | 260 | 154 | 86 | 50.480 | NU 2324 | |
| NU-2326 | 130 | 280 | 167 | 93 | 63.280 | NU 2326 | |
| NU-2328 | 140 | 300 | 180 | 102 | 79.590 | NU 2328 | |
| NU-2330 | 150 | 320 | 193 | 108 | 95.900 | NU 2330 | |
| NU-2332 | 160 | 340 | 208 | 114 | 114.860 | NU 2332 | |
| NU-2334 | 170 | 360 | 220 | 120 | 135.140 | NU 2334 | |
| NU-2336 | 180 | 380 | 232 | 126 | 158.290 | NU 2336 | |
| NU-2338 | 190 | 400 | 245 | 132 | 183.430 | NU 2338 | |
| NU-2340 | 200 | 420 | 260 | 138 | 211.420 | NU 2340 | |
| NU-2344 | 220 | 460 | 284 | 145 | 264.560 | NU 2344 | |
| NU-2348 | 240 | 500 | 303 | 155 | 337.310 | NU 2348 | |
| NU-2352 | 260 | 540 | 336 | 165 | 416.670 | NU 2352 | |
| NU-2356 | 280 | 580 | 362 | 175 | 509.270 | NU 2356 | |

* "F" dimension equal to FAG and SKF. Other manufacturers' "F" dimension may vary.

NOTE:

1.) The above series is available with either:

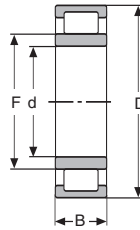
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) These bearings are available with tapered bore - suffix "K". Consult factory for availability.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY*

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|-----|-------|-----|---------------------|---------------|------------|------------|
| | d | D | F** | B | | FAG SKF STEYR | ROLLWAY | Torrington |
| NU-2304E | 20 | 52 | 27.5 | 21 | .540 | NU 2304E | - | NU 2304E |
| NU-2305E | 25 | 62 | 34 | 24 | .860 | NU 2305E | - | NU 2305E |
| NU-2306E | 30 | 72 | 40.5 | 27 | 1.300 | NU 2306E | - | NU 2306E |
| NU-2307E | 35 | 80 | 46.2 | 31 | 1.790 | NU 2307E | - | NU 2307E |
| NU-2308E | 40 | 90 | 52 | 33 | 2.360 | NU 2308E | - | NU 2308E |
| NU-2309E | 45 | 100 | 58.5 | 36 | 3.200 | NU 2309E | - | NU 2309E |
| NU-2310E | 50 | 110 | 65.0 | 40 | 4.280 | NU 2310E | E 2310 B/U | NU 2310E |
| NU-2311E | 55 | 120 | 70.5 | 43 | 5.450 | NU 2311E | E 2311 B/U | NU 2311E |
| NU-2312E | 60 | 130 | 77 | 46 | 6.810 | NU 2312E | E 2312 B/U | - |
| NU-2313E | 65 | 140 | 82.5 | 48 | 8.180 | NU 2313E | E 2313 B/U | - |
| NU-2314E | 70 | 150 | 89 | 51 | 10.030 | NU 2314E | E 2314 B/U | - |
| NU-2315E | 75 | 160 | 95 | 55 | 12.170 | NU 2315E | E 2315 B/U | - |
| NU-2316E | 80 | 170 | 101 | 58 | 14.480 | NU 2316E | E 2316 B/U | - |
| NU-2317E | 85 | 180 | 108 | 60 | 16.820 | NU 2317E | E 2317 B/U | - |
| NU-2318E | 90 | 190 | 113.5 | 64 | 20.020 | NU 2318E | E 2318 B/U | - |
| NU-2319E | 95 | 200 | 121.5 | 67 | 23.150 | NU 2319E | E 2319 B/U | - |
| NU-2320E | 100 | 215 | 127.5 | 73 | 29.320 | NU 2320E | E 2320 B/U | - |
| NU-2322E | 110 | 240 | 143 | 80 | 41.000 | NU 2322E | E 2322 B/U | - |
| NU-2324E | 120 | 260 | 154 | 86 | 51.150 | NU 2324E | E 2324 B/U | - |
| NU-2326E | 130 | 280 | 167 | 93 | 64.150 | NU 2326E | E 2326 B/U | - |
| NU-2328E | 140 | 300 | 180 | 102 | 80.470 | NU 2328E | E 2328 B/U | - |
| NU-2330E | 150 | 320 | 193 | 108 | 96.780 | NU 2330E | - | - |
| NU-2332E | 160 | 340 | 204 | 114 | 115.080 | NU 2332E | - | - |
| NU-2334E | 170 | 360 | 218 | 120 | 137.780 | NU 2334E | - | - |
| NU-2336E | 180 | 380 | 231 | 126 | 160.050 | NU 2336E | - | - |
| NU-2338E | 190 | 400 | 245 | 132 | 187.170 | NU 2338E | - | - |
| NU-2340E | 200 | 420 | 255 | 138 | 215.610 | NU 2340E | - | - |
| NU-2344E | 220 | 460 | 279 | 145 | 266.760 | NU 2344E | - | - |

* "E" suffix designates higher radial load capacity derived by utilizing larger rollers.

** "F" dimension equal to FAG and SKF. Other manufacturers' "F" dimension may vary.

NOTE:

1.) The above series is available with either:

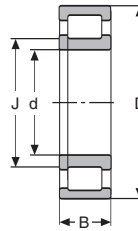
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) These bearings are available with tapered bore - suffix "K". Consult factory for availability.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange |
|------------------|---------------------|-----|-------|-----|---------------------|---------------------|-------------|
| | d | D | J* | B | | | |
| NUP-2302 | 15 | 42 | 24.2 | 17 | .300 | - | |
| NUP-2303 | 17 | 47 | 28.4 | 19 | .410 | NUP 2303 | |
| NUP-2304 | 20 | 52 | 32 | 21 | .500 | NUP 2304 | |
| NUP-2305 | 25 | 62 | 39 | 24 | .860 | NUP 2305 | |
| NUP-2306 | 30 | 72 | 46.2 | 27 | 1.290 | NUP 2306 | |
| NUP-2307 | 35 | 80 | 50.8 | 31 | 1.770 | NUP 2307 | |
| NUP-2308 | 40 | 90 | 58.4 | 33 | 2.420 | NUP 2308 | |
| NUP-2309 | 45 | 100 | 64 | 36 | 3.160 | NUP 2309 | |
| NUP-2310 | 50 | 110 | 71 | 40 | 4.290 | NUP 2310 | |
| NUP-2311 | 55 | 120 | 77.2 | 43 | 5.320 | NUP 2311 | |
| NUP-2312 | 60 | 130 | 84.2 | 46 | 6.790 | NUP 2312 | |
| NUP-2313 | 65 | 140 | 91 | 48 | 8.210 | NUP 2313 | |
| NUP-2314 | 70 | 150 | 98 | 51 | 10.000 | NUP 2314 | |
| NUP-2315 | 75 | 160 | 104.2 | 55 | 12.230 | NUP 2315 | |
| NUP-2316 | 80 | 170 | 111.8 | 58 | 14.670 | NUP 2316 | |
| NUP-2317 | 85 | 180 | 117.5 | 60 | 16.670 | NUP 2317 | |
| NUP-2318 | 90 | 190 | 125 | 64 | 20.000 | NUP 2318 | |
| NUP-2319 | 95 | 200 | 132 | 67 | 23.450 | NUP 2319 | |
| NUP-2320 | 100 | 215 | 140.5 | 73 | 29.890 | NUP 2320 | |
| NUP-2321 | 105 | 225 | 147 | 77 | 34.450 | NUP 2321 | |
| NUP-2322 | 110 | 240 | 155.5 | 80 | 45.560 | NUP 2322 | |
| NUP-2324 | 120 | 260 | 168.5 | 86 | 56.890 | NUP 2324 | |
| NUP-2326 | 130 | 280 | 182 | 93 | 73.230 | NUP 2326 | |
| NUP-2328 | 140 | 300 | 196 | 102 | 91.110 | NUP 2328 | |
| NUP-2330 | 150 | 320 | 210 | 108 | 111.110 | NUP 2330 | |
| NUP-2332 | 160 | 340 | 225 | 114 | 132.220 | NUP 2332 | |
| NUP-2334 | 170 | 360 | 238 | 120 | 155.560 | NUP 2334 | |
| NUP-2336 | 180 | 380 | 252 | 126 | 181.110 | NUP 2336 | |
| NUP-2338 | 190 | 400 | 265 | 132 | 214.450 | NUP 2338 | |
| NUP-2340 | 200 | 420 | 280 | 138 | 244.450 | NUP 2340 | |
| NUP-2344 | 220 | 460 | - | 145 | 308.890 | NUP 2344 | |
| NUP-2348 | 240 | 500 | - | 155 | 390.000 | NUP 2348 | |
| NUP-2352 | 260 | 540 | - | 165 | 483.330 | NUP 2352 | |
| NUP-2356 | 280 | 580 | - | 175 | 590.000 | NUP 2356 | |

*"J" dimension equal to FAG and SKF. Other manufacturers' "J" dimension may vary.

NOTE:

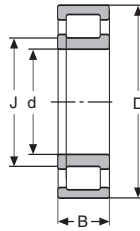
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS - HIGH CAPACITY*

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | |
|------------------|---------------------|-----|-------|-----|---------------------|---------------------|-------------|------------|
| | d | D | J** | B | | | ROLLWAY | Torrington |
| NUP-2304E | 20 | 52 | 31 | 21 | .600 | NUP 2304 E | - | NUP 2304 E |
| NUP-2305E | 25 | 62 | 38 | 24 | .960 | NUP 2305 E | - | NUP 2305 E |
| NUP-2306E | 30 | 72 | 44.8 | 27 | 1.430 | NUP 2306 E | - | NUP 2306 E |
| NUP-2307E | 35 | 80 | 50.8 | 31 | 1.910 | NUP 2307 E | - | NUP 2307 E |
| NUP-2308E | 40 | 90 | 57.7 | 33 | 2.600 | NUP 2308 E | - | NUP 2308 E |
| NUP-2309E | 45 | 100 | 64.6 | 36 | 3.460 | NUP 2309 E | - | NUP 2309 E |
| NUP-2310E | 50 | 110 | 71.3 | 40 | 4.660 | NUP 2310 E | LP 2310 U | NUP 2310 E |
| NUP-2311E | 55 | 120 | 77.7 | 43 | 5.820 | NUP 2311 E | LP 2311 U | NUP 2311 E |
| NUP-2312E | 60 | 130 | 84.5 | 46 | 6.530 | NUP 2312 E | LP 2312 U | - |
| NUP-2313E | 65 | 140 | 90.8 | 48 | 7.260 | NUP 2313 E | LP 2313 U | - |
| NUP-2314E | 70 | 150 | 98 | 51 | 10.410 | NUP 2314 E | LP 2314 U | - |
| NUP-2315E | 75 | 160 | 104.8 | 55 | 12.890 | NUP 2315 E | LP 2315 U | - |
| NUP-2316E | 80 | 170 | 111.1 | 58 | 15.330 | NUP 2316 E | LP 2316 U | - |
| NUP-2317E | 85 | 180 | 118.3 | 60 | 17.560 | NUP 2317 E | LP 2317 U | - |
| NUP-2318E | 90 | 190 | 124.7 | 64 | 21.000 | NUP 2318 E | LP 2318 U | - |
| NUP-2319E | 95 | 200 | 132.8 | 67 | 24.000 | NUP 2319 E | LP 2319 U | - |
| NUP-2320E | 100 | 215 | 140.5 | 73 | 31.340 | NUP 2320 E | LP 2320 U | - |
| NUP-2322E | 110 | 240 | 156.4 | 80 | 47.560 | NUP 2322 E | LP 2322 U | - |
| NUP-2324E | 120 | 260 | 169.2 | 86 | 64.000 | NUP 2324 E | LP 2324 U | - |
| NUP-2326E | 130 | 280 | 183 | 93 | 75.670 | NUP 2326 E | LP 2326 U | - |
| NUP-2328E | 140 | 300 | 196.8 | 102 | 94.780 | NUP 2328 E | LP 2328 U | - |
| NUP-2330E | 150 | 320 | 211 | 108 | 115.560 | NUP 2330 E | - | - |
| NUP-2332E | 160 | 340 | 223.2 | 114 | 136.670 | NUP 2332 E | - | - |

* "E" suffix designates higher radial load capacity derived by utilizing larger rollers.

** "J" dimension equal to FAG and SKF. Other manufacturers' "J" dimension may vary.

NOTE:

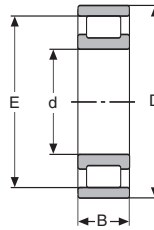
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | | |
|------------------|---------------------|-----|-------|-----|---------------------|---------------|-------|-----------------------|----------------------|
| | d | D | E*** | B | | FAG SKF STEYR | HOFF | ROLLWAY (Bronze Cage) | ROLLWAY (Steel Cage) |
| N-403 | 17 | 62 | 51.5 | 17 | .750 | N 403 | R 517 | - | - |
| N-404 | 20 | 72 | 58 | 19 | 1.030 | N 404 | R 520 | MCS 404 | RCS 404 |
| N-405 | 25 | 80 | 62.8 | 21 | 1.390 | N 405 | R 525 | MCS 405 | RCS 405 |
| N-406 | 30 | 90 | 73 | 23 | 1.880 | N 406 | R 530 | MCS 406 | RCS 406 |
| N-407 | 35 | 100 | 83 | 25 | 2.540 | N 407 | R 535 | MCS 407 | RCS 407 |
| N-408 | 40 | 110 | 92 | 27 | 3.240 | N 408 | R 540 | MCS 408 | RCS 408 |
| N-409 | 45 | 120 | 100.5 | 29 | 4.090 | N 409 | R 545 | MCS 409 | RCS 409 |
| N-410 | 50 | 130 | 110.8 | 31 | 5.020 | N 410 | R 550 | MCS 410 | RCS 410 |
| N-411 | 55 | 140 | 117.2 | 33 | 6.270 | N 411 | R 555 | MCS 411 | RCS 411 |
| N-412 | 60 | 150 | 127 | 35 | 7.550 | N 412 | R 560 | MCS 412 | RCS 412 |
| N-413 | 65 | 160 | 135.3 | 37 | 8.970 | N 413 | R 565 | MCS 413 | RCS 413 |
| N-414 | 70 | 180 | 152 | 42 | 13.110 | N 414 | R 570 | MCS 414 | RCS 414 |
| N-415 | 75 | 190 | 160.5 | 45 | 15.670 | N 415 | R 575 | MCS 415 | RCS 415 |
| N-416 | 80 | 200 | 170 | 48 | 18.230 | N 416 | R 580 | MCS 416 | RCS 416 |
| N-417 | 85 | 210 | 177 | 52 | 21.780 | N 417 | R 585 | MCS 417 | RCS 417 |
| N-418 | 90 | 225 | 191.5 | 54 | 25.780 | N 418 | R 590 | MCS 418 | RCS 418 |
| * N-419 | 95 | 240 | 201.5 | 55 | 33.560 | N 419 | R 595 | MCS 419 | RCS 419 |
| ** N-420 | 100 | 250 | 211 | 58 | 34.780 | N 420 | R 600 | MCS 420 | RCS 420 |
| N-421 | 105 | 260 | 220.5 | 60 | 47.560 | N 421 | - | - | - |
| N-422 | 110 | 280 | 235 | 65 | 49.450 | N 422 | - | - | - |
| N-424 | 120 | 310 | 260 | 72 | 69.780 | N 424 | - | - | - |
| N-426 | 130 | 340 | 285 | 78 | 89.890 | N 426 | - | - | - |
| N-428 | 140 | 360 | 302 | 82 | 115.560 | N 428 | - | - | - |
| N-430 | 150 | 380 | 317 | 85 | 133.340 | N 430 | - | - | - |
| N-432 | 160 | 400 | 334 | 88 | 153.340 | N 432 | - | - | - |
| N-434 | 170 | 420 | 351 | 92 | 176.670 | N 434 | - | - | - |
| N-436 | 180 | 440 | 370 | 95 | 198.890 | N 436 | - | - | - |
| N-438 | 190 | 460 | 385 | 98 | 223.330 | N 438 | - | - | - |
| N-440 | 200 | 480 | 404 | 102 | 252.220 | N 440 | - | - | - |
| N-444 | 220 | 540 | 455 | 115 | 363.330 | N 444 | - | - | - |
| N-448 | 240 | 580 | 490 | 122 | 442.220 | N 448 | - | - | - |

* Not equal to NH # R-595

** Not equal to NH # R-600

*** "E" dimension equal to FAG and SKF. Other manufacturers' "E" dimensions may vary.

NOTE:

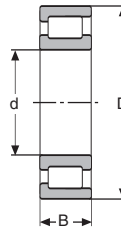
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange | |
|------------------|---------------------|-----|----|---------------------|---------------------|-------------|---------|
| | d | D | B | | | HOFF | ROLLWAY |
| NF-403 | 17 | 62 | 17 | .750 | NF 403 | R 517 L | - |
| NF-404 | 20 | 72 | 19 | 1.030 | NF 404 | R 520 L | ML 404 |
| NF-405 | 25 | 80 | 21 | 1.390 | NF 405 | R 525 L | ML 405 |
| NF-406 | 30 | 90 | 23 | 1.880 | NF 406 | R 530 L | ML 406 |
| NF-407 | 35 | 100 | 25 | 2.540 | NF 407 | R 535 L | ML 407 |
| NF-408 | 40 | 110 | 27 | 3.240 | NF 408 | R 540 L | ML 408 |
| NF-409 | 45 | 120 | 29 | 4.090 | NF 409 | R 545 L | ML 409 |
| NF-410 | 50 | 130 | 31 | 5.020 | NF 410 | R 550 L | ML 410 |
| NF-411 | 55 | 140 | 33 | 6.270 | NF 411 | R 555 L | ML 411 |
| NF-412 | 60 | 150 | 35 | 7.550 | NF 412 | R 560 L | ML 412 |
| NF-413 | 65 | 160 | 37 | 8.970 | NF 413 | R 565 L | ML 413 |
| NF-414 | 70 | 180 | 42 | 13.110 | NF 414 | R 570 L | ML 414 |
| NF-415 | 75 | 190 | 45 | 15.670 | NF 415 | R 575 L | ML 415 |
| NF-416 | 80 | 200 | 48 | 18.230 | NF 416 | R 580 L | ML 416 |
| NF-417 | 85 | 210 | 52 | 21.780 | NF 417 | R 585 L | ML 417 |
| NF-418 | 90 | 225 | 54 | 25.780 | NF 418 | R 590 L | ML 418 |
| * NF-419 | 95 | 240 | 55 | 33.560 | NF 419 | - | ML 419 |
| ** NF-420 | 100 | 250 | 58 | 34.780 | NF 420 | - | ML 420 |
| NF-421 | 105 | 260 | 60 | 47.560 | NF 421 | - | - |
| NF-422 | 110 | 280 | 65 | 49.450 | NF 422 | - | - |
| NF-424 | 120 | 310 | 72 | 69.780 | NF 424 | - | - |
| NF-426 | 130 | 340 | 78 | 89.890 | NF 426 | - | - |
| NF-428 | 140 | 360 | 82 | 115.560 | NF 428 | - | - |
| NF-430 | 150 | 380 | 85 | 133.340 | NF 430 | - | - |

* Not equal to NH # R-595-L

** Not equal to NH # R-600-L

NOTE:

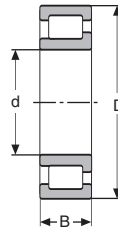
1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|------------------|---------------------|-----|-----|---------------------|---------------------|---------|
| | d | D | B | | FAG SKF STEYR | ROLLWAY |
| NJ-403 | 17 | 62 | 17 | .750 | NJ 403 | - |
| NJ-404 | 20 | 72 | 19 | 1.030 | NJ 404 | MUL 404 |
| NJ-405 | 25 | 80 | 21 | 1.390 | NJ 405 | MUL 405 |
| NJ-406 | 30 | 90 | 23 | 1.880 | NJ 406 | MUL 406 |
| NJ-407 | 35 | 100 | 25 | 2.540 | NJ 407 | MUL 407 |
| * NJ-408 | 40 | 110 | 27 | 3.240 | NJ 408 | MUL 408 |
| * NJ-409 | 45 | 120 | 29 | 4.090 | NJ 409 | MUL 409 |
| NJ-410 | 50 | 130 | 31 | 5.020 | NJ 410 | MUL 410 |
| * NJ-411 | 55 | 140 | 33 | 6.270 | NJ 411 | MUL 411 |
| NJ-412 | 60 | 150 | 35 | 7.550 | NJ 412 | MUL 412 |
| * NJ-413 | 65 | 160 | 37 | 8.970 | NJ 413 | MUL 413 |
| * NJ-414 | 70 | 180 | 42 | 13.110 | NJ 414 | MUL 414 |
| NJ-415 | 75 | 190 | 45 | 15.670 | NJ 415 | MUL 415 |
| * NJ-416 | 80 | 200 | 48 | 18.230 | NJ 416 | MUL 416 |
| NJ-417 | 85 | 210 | 52 | 21.780 | NJ 417 | MUL 417 |
| NJ-418 | 90 | 225 | 54 | 25.780 | NJ 418 | MUL 418 |
| * NJ-419 | 95 | 240 | 55 | 33.560 | NJ 419 | MUL 419 |
| NJ-420 | 100 | 250 | 58 | 34.780 | NJ 420 | MUL 420 |
| * NJ-421 | 105 | 260 | 60 | 47.560 | NJ 421 | - |
| NJ-422 | 110 | 280 | 65 | 49.450 | NJ 422 | - |
| * NJ-424 | 120 | 310 | 72 | 69.780 | NJ 424 | - |
| NJ-426 | 130 | 340 | 78 | 89.890 | NJ 426 | - |
| NJ-428 | 140 | 360 | 82 | 115.560 | NJ 428 | - |
| NJ-430 | 150 | 380 | 85 | 133.340 | NJ 430 | - |
| NJ-432 | 160 | 400 | 88 | 153.340 | NJ 432 | - |
| NJ-434 | 170 | 420 | 92 | 176.670 | NJ 434 | - |
| NJ-436 | 180 | 440 | 95 | 198.890 | NJ 436 | - |
| NJ-438 | 190 | 460 | 98 | 223.330 | NJ 438 | - |
| NJ-440 | 200 | 480 | 102 | 252.220 | NJ 440 | - |
| NJ-444 | 220 | 540 | 115 | 363.330 | NJ 444 | - |
| NJ-448 | 240 | 580 | 122 | 442.220 | NJ 448 | - |

* These sizes are available to Fuller Compressor specifications - Suffix RL-1 or RL-2. Also the SKF 465000 Series. (HJ 400 Series Angle Ring is required.)

NOTE:

1.) The above series is available with either:

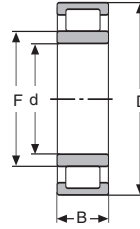
Stamped steel or glass fibre cage - No suffix.

Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) For NH-400 Series combine NJ-400 Bearing with HJ-400 Angle Ring. Example: NJ-400 and HJ-400 = NH-400.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|-----|-------|-----|---------------------|---------------|---------|---------|
| | d | D | F* | B | | FAG SKF STEYR | HOFF | ROLLWAY |
| NU-403 | 17 | 62 | 27.5 | 17 | .750 | NU 403 | R 517 E | - |
| NU-404 | 20 | 72 | 34 | 19 | 1.030 | NU 404 | R 520 E | MUC 404 |
| NU-405 | 25 | 80 | 38.8 | 21 | 1.390 | NU 405 | R 525 E | MUC 405 |
| NU-406 | 30 | 90 | 45 | 23 | 1.880 | NU 406 | R 530 E | MUC 406 |
| NU-407 | 35 | 100 | 53 | 25 | 2.540 | NU 407 | R 535 E | MUC 407 |
| ** NU-408 | 40 | 110 | 58 | 27 | 3.240 | NU 408 | R 540 E | MUC 408 |
| NU-409 | 45 | 120 | 64.5 | 29 | 4.090 | NU 409 | R 545 E | MUC 409 |
| NU-410 | 50 | 130 | 70.8 | 31 | 5.020 | NU 410 | R 550 E | MUC 410 |
| ** NU-411 | 55 | 140 | 77.2 | 33 | 6.270 | NU 411 | R 555 E | MUC 411 |
| NU-412 | 60 | 150 | 83 | 35 | 7.550 | NU 412 | R 560 E | MUC 412 |
| ** NU-413 | 65 | 160 | 89.3 | 37 | 8.970 | NU 413 | R 565 E | MUC 413 |
| ** NU-414 | 70 | 180 | 100 | 42 | 13.110 | NU 414 | R 570 E | MUC 414 |
| NU-415 | 75 | 190 | 104.5 | 45 | 15.670 | NU 415 | R 575 E | MUC 415 |
| ** NU-416 | 80 | 200 | 110 | 48 | 18.230 | NU 416 | R 580 E | MUC 416 |
| ** NU-417 | 85 | 210 | 113 | 52 | 21.780 | NU 417 | R 585 E | MUC 417 |
| NU-418 | 90 | 225 | 123.5 | 54 | 25.780 | NU 418 | R 590 E | MUC 418 |
| ** NU-419 | 95 | 240 | 133.5 | 55 | 33.560 | NU 419 | R 595 E | MUC 419 |
| NU-420 | 100 | 250 | 139 | 58 | 34.780 | NU 420 | R 600 E | MUC 420 |
| ** NU-421 | 105 | 260 | 144.5 | 60 | 47.560 | NU 421 | - | - |
| NU-422 | 110 | 280 | 155 | 65 | 49.450 | NU 422 | - | - |
| ** NU-424 | 120 | 310 | 170 | 72 | 69.780 | NU 424 | - | - |
| NU-426 | 130 | 340 | 185 | 78 | 89.890 | NU 426 | - | - |
| NU-428 | 140 | 360 | 198 | 82 | 115.560 | NU 428 | - | - |
| NU-430 | 150 | 380 | 213 | 85 | 133.340 | NU 430 | - | - |
| NU-432 | 160 | 400 | 226 | 88 | 153.340 | NU 432 | - | - |
| NU-434 | 170 | 420 | 230 | 92 | 176.670 | NU 434 | - | - |
| NU-436 | 180 | 440 | 250 | 95 | 198.890 | NU 436 | - | - |
| NU-438 | 190 | 460 | 265 | 98 | 223.330 | NU 438 | - | - |
| NU-440 | 200 | 480 | 276 | 102 | 252.220 | NU 440 | - | - |
| NU-444 | 220 | 540 | 305 | 115 | 363.330 | NU 444 | - | - |
| NU-448 | 240 | 580 | 330 | 122 | 442.220 | NU 448 | - | - |

* "F" Dimension equal to FAG and SKF. Other manufacturers' "F" dimension may vary.

** These sizes are available to Fuller Compressor specifications - Suffix RL-1 or RL-2.

NOTE:

1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

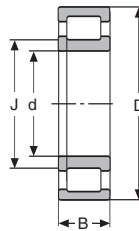
Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P6) precision.

4.) These bearings are available with tapered bore - suffix "K".

Consult factory for availability.



CYLINDRICAL ROLLER BEARINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | FAG SKF STEYR | Interchange ROLLWAY |
|------------------|---------------------|-----|-------|-----|---------------------|---------------------|------------------------|
| | d | D | J* | B | | | |
| NUP-403 | 17 | 62 | 32.5 | 17 | .750 | NUP 403 | - |
| NUP-404 | 20 | 72 | 39 | 19 | 1.030 | NUP 404 | - |
| NUP-405 | 25 | 80 | 43.6 | 21 | 1.390 | NUP 405 | - |
| NUP-406 | 30 | 90 | 50.5 | 23 | 1.880 | NUP 406 | - |
| NUP-407 | 35 | 100 | 59 | 25 | 2.540 | NUP 407 | - |
| NUP-408 | 40 | 110 | 64.8 | 27 | 3.240 | NUP 408 | - |
| NUP-409 | 45 | 120 | 71.8 | 29 | 4.090 | NUP 409 | - |
| NUP-410 | 50 | 130 | 78.8 | 31 | 5.020 | NUP 410 | - |
| NUP-411 | 55 | 140 | 85.2 | 33 | 6.270 | NUP 411 | MU 411 |
| NUP-412 | 60 | 150 | 91.8 | 35 | 7.550 | NUP 412 | MU 412 |
| NUP-413 | 65 | 160 | 98.5 | 37 | 8.970 | NUP 413 | MU 413 |
| NUP-414 | 70 | 180 | 110.5 | 42 | 13.110 | NUP 414 | MU 414 |
| NUP-415 | 75 | 190 | 116 | 45 | 15.670 | NUP 415 | MU 415 |
| NUP-416 | 80 | 200 | 122 | 48 | 18.230 | NUP 416 | MU 416 |
| NUP-417 | 85 | 210 | 126 | 52 | 21.780 | NUP 417 | MU 417 |
| NUP-418 | 90 | 225 | 137 | 54 | 25.780 | NUP 418 | - |
| NUP-419 | 95 | 240 | 147 | 55 | 33.560 | NUP 419 | - |
| NUP-420 | 100 | 250 | 153.5 | 58 | 34.780 | NUP 420 | - |
| NUP-421 | 105 | 260 | 159.5 | 60 | 47.560 | NUP 421 | - |
| NUP-422 | 110 | 280 | 171 | 65 | 49.450 | NUP 422 | - |
| NUP-424 | 120 | 310 | 188 | 72 | 69.780 | NUP 424 | - |
| NUP-426 | 130 | 340 | 205 | 78 | 89.890 | NUP 426 | - |
| NUP-428 | 140 | 360 | 219 | 82 | 115.560 | NUP 428 | - |
| NUP-430 | 150 | 380 | 234 | 85 | 133.340 | NUP 430 | - |
| NUP-432 | 160 | 400 | 248 | 88 | 153.340 | NUP 432 | - |
| NUP-434 | 170 | 420 | 262 | 92 | 176.670 | NUP 434 | - |
| NUP-436 | 180 | 440 | 275 | 95 | 198.890 | NUP 436 | - |
| NUP-438 | 190 | 460 | 290 | 98 | 223.330 | NUP 438 | - |
| NUP-440 | 200 | 480 | 302 | 102 | 252.220 | NUP 440 | - |
| NUP-444 | 220 | 540 | 336 | 115 | 363.330 | NUP 444 | - |
| NUP-448 | 240 | 580 | 364 | 122 | 442.220 | NUP 448 | - |

*"J" dimension equal to FAG and SKF. Other manufacturers' "J" dimension may vary.

NOTE:

1.) The above series is available with either:

Stamped steel or glass fibre cage - No suffix.

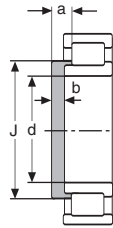
Machined bronze cage - suffix "M".

2.) These bearings are available in C/2, C/3, C/4, W/23 and C/5 internal clearance.

3.) Some sizes are available in ABEC #3 (P/6) precision.

4.) This series has the same boundary dimensions as the equivalent Hoffmann R-500-LL series.

The load carrying capacity of this series is greater than the comparable R-500-LL series.

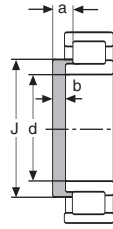


CYLINDRICAL ROLLER BEARINGS - ANGLE RINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) |
|------------------|---------------------|-------|------|-----|---------------------|
| | d | J | a | b | |
| HJ-1005 | 25 | 32.7 | 6.25 | 3 | .030 |
| HJ-1006 | 30 | 38.9 | 6.5 | 3 | .040 |
| HJ-1007 | 35 | 44.6 | 7.75 | 4 | .050 |
| HJ-1008 | 40 | 49.8 | 8 | 4 | .060 |
| HJ-1009 | 45 | 55.5 | 8.25 | 4 | .070 |
| HJ-1010 | 50 | 60.5 | 8.25 | 4 | .080 |
| HJ-1011 | 55 | 67.7 | 10 | 5 | .120 |
| HJ-1012 | 60 | 72.7 | 10 | 5 | .140 |
| HJ-1013 | 65 | 77.7 | 10 | 5 | .150 |
| HJ-1014 | 70 | 84 | 10 | 5 | .180 |
| HJ-1015 | 75 | 89 | 10 | 5 | .200 |
| HJ-1016 | 80 | 95.9 | 11.5 | 6 | .230 |
| HJ-1017 | 85 | 100.9 | 11 | 6 | .260 |
| HJ-1018 | 90 | 107.8 | 12 | 6 | .360 |
| HJ-1019 | 95 | 112.8 | 12 | 6 | .380 |
| HJ-1020 | 100 | 117.8 | 12 | 6 | .390 |
| HJ-1021 | 105 | 124.7 | 13.5 | 7 | .440 |
| HJ-1022 | 110 | 131 | 13.5 | 7 | .590 |
| HJ-1024 | 120 | 141 | 13.5 | 7 | .640 |
| HJ-1026 | 130 | 154.8 | 16 | 8 | .910 |
| HJ-1028 | 140 | 164.8 | 16 | 8 | 1.050 |
| HJ-1030 | 150 | 176.7 | 18 | 9.5 | 1.290 |
| HJ-1032 | 160 | 188 | 19 | 10 | 1.430 |
| HJ-1034 | 170 | 201.8 | 21 | 11 | 2.040 |
| HJ-1036 | 180 | 215 | 22.5 | 12 | 2.750 |
| HJ-1038 | 190 | 225 | 22.5 | 12 | 3.010 |
| HJ-1040 | 200 | 239.4 | 25.5 | 13 | 3.720 |
| HJ-1044 | 220 | 262 | 27 | 14 | 4.750 |
| HJ-1048 | 240 | 282 | 27 | 14 | 5.100 |
| HJ-1052 | 260 | 309.6 | 31.5 | 16 | 7.300 |
| HJ-1056 | 280 | 329.6 | 31.5 | 16 | 7.960 |
| HJ-1060 | 300 | 356 | 36 | 19 | 11.700 |
| HJ-1064 | 320 | 376 | 36 | 19 | 12.400 |
| HJ-1068 | 340 | 403 | 39.5 | 21 | 16.200 |
| HJ-1072 | 360 | 423 | 39.5 | 21 | 17.000 |
| HJ-1076 | 380 | 443 | 39.5 | 21 | 18.100 |
| HJ-1080 | 400 | 470 | 43 | 23 | 21.500 |
| HJ-1084 | 420 | 490 | 43 | 23 | 22.500 |
| HJ-1088 | 440 | 513.8 | 45 | 24 | 25.800 |
| HJ-1092 | 460 | 537.6 | 48 | 25 | 30.700 |
| HJ-1096 | 480 | 557.6 | 48 | 25 | 32.000 |

NOTE:

- 1.) The above angle rings are equivalent to FAG, SKF and Steyr.
- 2.) HJ-1000 series angle rings should **only** be used with NJ and NU-1000 series bearings - NJ... and HJ... = NH...

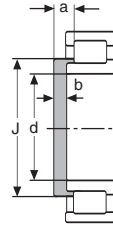


CYLINDRICAL ROLLER BEARINGS - ANGLE RINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) |
|------------------|---------------------|-------|------|----|---------------------|------------------|---------------------|-------|------|----|---------------------|
| | d | J | a | b | | | d | J | a | b | |
| HJ-203 | 17 | 25.5 | 6.25 | 3 | .020 | HJ-2203 | 17 | 25.5 | 7 | 3 | .020 |
| HJ-204 | 20 | 30 | 6.75 | 3 | .030 | HJ-2204 | 20 | 30 | 7.5 | 3 | .030 |
| HJ-205 | 25 | 35 | 7.25 | 3 | .040 | HJ-2205 | 25 | 35 | 7.5 | 3 | .040 |
| HJ-206 | 30 | 41.8 | 8.25 | 4 | .060 | HJ-2206 | 30 | 41.8 | 8.5 | 4 | .060 |
| HJ-207 | 35 | 47.6 | 8 | 4 | .070 | HJ-2207 | 35 | 47.6 | 8.5 | 4 | .070 |
| HJ-208 | 40 | 54.2 | 9 | 5 | .110 | HJ-2208 | 40 | 54.2 | 9.5 | 4 | .110 |
| HJ-209 | 45 | 59 | 9.5 | 5 | .120 | HJ-2209 | 45 | 59 | 9.5 | 5 | .120 |
| HJ-210 | 50 | 64.6 | 10 | 5 | .140 | HJ-2210 | 50 | 64.6 | 9.5 | 5 | .140 |
| HJ-211 | 55 | 70.8 | 11 | 6 | .190 | HJ-2211 | 55 | 70.8 | 11 | 6 | .190 |
| HJ-212 | 60 | 78.4 | 11 | 6 | .240 | HJ-2212 | 60 | 78.4 | 11 | 6 | .240 |
| HJ-213 | 65 | 84.8 | 11 | 6 | .280 | HJ-2213 | 65 | 84.8 | 11.5 | 6 | .280 |
| HJ-214 | 70 | 89.6 | 12.5 | 7 | .340 | HJ-2214 | 70 | 89.6 | 12.5 | 7 | .340 |
| HJ-215 | 75 | 94 | 12.5 | 7 | .350 | HJ-2215 | 75 | 94 | 12.5 | 7 | .350 |
| HJ-216 | 80 | 101.2 | 13.5 | 8 | .460 | HJ-2216 | 80 | 101.2 | 13.5 | 8 | .460 |
| HJ-217 | 85 | 108.2 | 14 | 8 | .560 | HJ-2217 | 85 | 108.2 | 14 | 8 | .550 |
| HJ-218 | 90 | 114.2 | 15 | 9 | .680 | HJ-2218 | 90 | 114.2 | 16 | 9 | .680 |
| HJ-219 | 95 | 121 | 15.5 | 9 | .780 | HJ-2219 | 95 | 121 | 16.5 | 9 | .780 |
| HJ-220 | 100 | 128 | 17 | 10 | .980 | HJ-2220 | 100 | 128 | 18 | 10 | .980 |
| HJ-221 | 105 | 135 | 17.5 | 10 | 1.110 | HJ-2222 | 110 | 141.5 | 20.5 | 11 | 1.360 |
| HJ-222 | 110 | 141.5 | 18.5 | 11 | 1.360 | HJ-2224 | 120 | 153 | 22 | 11 | 1.580 |
| HJ-224 | 120 | 153 | 19 | 11 | 1.580 | HJ-2226 | 130 | 165.5 | 25 | 11 | 1.850 |
| HJ-226 | 130 | 165.5 | 19 | 11 | 1.850 | HJ-2228 | 140 | 179.5 | 25 | 11 | 2.200 |
| HJ-228 | 140 | 179.5 | 19 | 11 | 2.200 | HJ-2230 | 150 | 193 | 26.5 | 12 | 2.730 |
| HJ-230 | 150 | 193 | 20.5 | 12 | 2.730 | HJ-2232 | 160 | 207 | 28 | 12 | 3.260 |
| HJ-232 | 160 | 207 | 21 | 12 | 3.260 | HJ-2234 | 170 | 220.5 | 29 | 12 | 3.750 |
| HJ-234 | 170 | 220.5 | 22 | 12 | 3.750 | HJ-2236 | 180 | 230.5 | 29 | 12 | 3.970 |
| HJ-236 | 180 | 230.5 | 22 | 12 | 3.970 | HJ-2238 | 190 | 244.5 | 31.5 | 13 | 4.850 |
| HJ-238 | 190 | 244.5 | 23.5 | 13 | 4.850 | HJ-2240 | 200 | 258 | 34 | 14 | 5.730 |
| HJ-240 | 200 | 258 | 25 | 14 | 5.730 | | | | | | |
| HJ-244 | 220 | 286 | 27.5 | 15 | 7.810 | | | | | | |
| HJ-248 | 240 | 313 | 29.5 | 16 | 10.200 | | | | | | |
| HJ-252 | 260 | 340 | 33 | 18 | 13.600 | | | | | | |
| HJ-256 | 280 | 360 | 33 | 18 | 16.300 | | | | | | |
| HJ-260 | 300 | 387 | 34.5 | 20 | 20.150 | | | | | | |

NOTE:

- 1.) The above angle rings are equivalent to FAG, SKF and Steyr.
- 2.) HJ-200 series angle rings should **only** be used with NJ and NU-200 series bearings - NJ.. and HJ.. = NH...
- 3.) HJ-2200 series angle rings should **only** be used with NJ and NU-2200 series bearings.

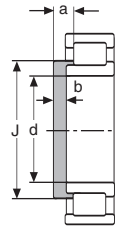


CYLINDRICAL ROLLER BEARINGS - ANGLE RINGS (E SERIES)

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) |
|------------------|---------------------|-------|------|-----|---------------------|------------------|---------------------|-------|------|----|---------------------|
| | d | J | a | b | | | d | J | a | b | |
| HJ-202 E | 15 | 21.6 | 5 | 2.5 | .011 | HJ-2203 E | 17 | 24.7 | 6 | 3 | .018 |
| HJ-203 E | 17 | 24.7 | 5.5 | 3 | .018 | HJ-2204 E | 20 | 29.5 | 6.5 | 3 | .030 |
| HJ-204 E | 20 | 29.5 | 5.5 | 3 | .020 | HJ-2205 E | 25 | 34.5 | 6.5 | 3 | .030 |
| HJ-205 E | 25 | 34.5 | 6 | 3 | .030 | HJ-2206 E | 30 | 41.1 | 7.5 | 4 | .050 |
| HJ-206 E | 30 | 41.1 | 7 | 4 | .040 | HJ-2207 E | 35 | 48.1 | 8.5 | 4 | .070 |
| HJ-207 E | 35 | 48.1 | 7 | 4 | .060 | HJ-2208 E | 40 | 54 | 9 | 5 | .100 |
| HJ-208 E | 40 | 54 | 8.5 | 5 | .100 | HJ-2209 E | 45 | 58.9 | 9 | 5 | .110 |
| HJ-209 E | 45 | 58.9 | 8.5 | 5 | .110 | HJ-2210 E | 50 | 63.9 | 9 | 5 | .130 |
| HJ-210 E | 50 | 63.9 | 9 | 5 | .130 | HJ-2211 E | 55 | 70.8 | 10 | 6 | .170 |
| HJ-211 E | 55 | 70.8 | 9.5 | 6 | .160 | HJ-2212 E | 60 | 77.6 | 10 | 6 | .210 |
| HJ-212 E | 60 | 77.6 | 10 | 6 | .210 | HJ-2213 E | 65 | 84.5 | 10.5 | 6 | .260 |
| HJ-213 E | 65 | 84.5 | 10 | 6 | .250 | HJ-2214 E | 70 | 89.6 | 11.5 | 7 | .310 |
| HJ-214 E | 70 | 89.6 | 11 | 7 | .290 | HJ-2215 E | 75 | 94.5 | 11.5 | 7 | .370 |
| HJ-215 E | 75 | 94.5 | 11 | 7 | .320 | HJ-2216 E | 80 | 101.7 | 12.5 | 8 | .430 |
| HJ-216 E | 80 | 101.7 | 12.5 | 8 | .430 | HJ-2217 E | 85 | 107.5 | 12.5 | 8 | .480 |
| HJ-217 E | 85 | 107.5 | 12.5 | 8 | .470 | HJ-2218 E | 90 | 114.6 | 15 | 9 | .680 |
| HJ-218 E | 90 | 114.6 | 14 | 9 | .600 | HJ-2219 E | 95 | 121 | 15.5 | 9 | .740 |
| HJ-219 E | 95 | 121 | 14 | 9 | .670 | HJ-2220 E | 100 | 127.7 | 16 | 10 | .850 |
| HJ-220 E | 100 | 127.7 | 15 | 10 | .840 | HJ-2222 E | 110 | 142.2 | 19.5 | 11 | 1.330 |
| HJ-222 E | 110 | 142.2 | 17 | 11 | 1.220 | HJ-2224 E | 120 | 153.9 | 20 | 11 | 1.550 |
| HJ-224 E | 120 | 153.9 | 17 | 11 | 1.400 | HJ-2226 E | 130 | 165 | 21 | 11 | 1.830 |
| HJ-226 E | 130 | 165 | 17 | 11 | 1.510 | HJ-2228 E | 140 | 180.2 | 23 | 11 | 2.450 |
| HJ-228 E | 140 | 180.2 | 18 | 11 | 2.050 | HJ-2230 E | 150 | 194 | 24.5 | 12 | 3.130 |
| HJ-230 E | 150 | 194 | 19.5 | 12 | 2.600 | HJ-2232 E | 160 | 206.6 | 24.5 | 12 | 3.550 |
| HJ-232 E | 160 | 205.8 | 20 | 12 | 2.950 | HJ-2234 E | 170 | 220.2 | 24 | 12 | 4.010 |
| HJ-234 E | 170 | 218.4 | 20 | 12 | 3.330 | HJ-2236 E | 180 | 230.2 | 24 | 12 | 4.210 |
| HJ-236 E | 180 | 231.4 | 20 | 12 | 3.750 | HJ-2238 E | 190 | 244 | 26.5 | 13 | 5.250 |
| HJ-238 E | 190 | 242.2 | 21.5 | 13 | 4.280 | HJ-2240 E | 200 | 257.8 | 28 | 14 | 6.310 |
| HJ-240 E | 200 | 256 | 23 | 14 | 5.180 | | | | | | |

NOTE:

- 1.) The above angle rings are equivalent to FAG, SKF and Steyr.
- 2.) HJ-200 E series angle rings should **only** be used with NJ and NU-200 E series bearings - NJ... and HJ... = NH...
- 3.) HJ-2200 E series angle rings should **only** be used with NJ and NU-2200 E series bearings.

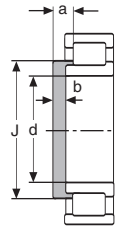


CYLINDRICAL ROLLER BEARINGS - ANGLE RINGS

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) |
|------------------|---------------------|-------|------|----|---------------------|------------------|---------------------|-------|------|----|---------------------|
| | d | J | a | b | | | d | J | a | b | |
| HJ-303 | 17 | 28.4 | 6.5 | 3 | .030 | HJ-2304 | 20 | 31.8 | 8.5 | 4 | .040 |
| HJ-304 | 20 | 31.8 | 7.5 | 4 | .040 | HJ-2305 | 25 | 39 | 9 | 4 | .060 |
| HJ-305 | 25 | 39 | 8 | 4 | .060 | HJ-2306 | 30 | 45.9 | 11.5 | 5 | .090 |
| HJ-306 | 30 | 45.9 | 9.5 | 5 | .090 | HJ-2307 | 35 | 50.8 | 14 | 6 | .130 |
| HJ-307 | 35 | 50.8 | 11 | 6 | .130 | HJ-2308 | 40 | 58.4 | 14.5 | 7 | .190 |
| HJ-308 | 40 | 58.4 | 12.5 | 7 | .190 | HJ-2309 | 45 | 64 | 15 | 7 | .220 |
| HJ-309 | 45 | 64 | 12.5 | 7 | .220 | HJ-2310 | 50 | 71 | 17 | 8 | .320 |
| HJ-310 | 50 | 71 | 14 | 8 | .320 | HJ-2311 | 55 | 77.2 | 18.5 | 9 | .410 |
| HJ-311 | 55 | 77.2 | 15 | 9 | .410 | HJ-2312 | 60 | 84.2 | 19 | 9 | .490 |
| HJ-312 | 60 | 84.2 | 15.5 | 9 | .490 | HJ-2313 | 65 | 91 | 20 | 10 | .620 |
| HJ-313 | 65 | 91 | 17 | 10 | .620 | HJ-2314 | 70 | 98 | 20.5 | 10 | .730 |
| HJ-314 | 70 | 98 | 17.5 | 10 | .730 | HJ-2315 | 75 | 104.2 | 21.5 | 11 | .890 |
| HJ-315 | 75 | 104.2 | 18.5 | 11 | .890 | HJ-2316 | 80 | 111.8 | 23 | 11 | 1.040 |
| HJ-316 | 80 | 111.8 | 19.5 | 11 | 1.040 | HJ-2317 | 85 | 117.5 | 24 | 12 | 1.230 |
| HJ-317 | 85 | 117.5 | 20.5 | 12 | 1.230 | HJ-2318 | 90 | 125 | 26 | 12 | 1.390 |
| HJ-318 | 90 | 125 | 21 | 12 | 1.390 | HJ-2319 | 95 | 132 | 26.5 | 13 | 1.680 |
| HJ-319 | 95 | 132 | 22.5 | 13 | 1.680 | HJ-2320 | 100 | 140.5 | 27.5 | 13 | 1.970 |
| HJ-320 | 100 | 140.5 | 22.5 | 13 | 1.970 | HJ-2322 | 110 | 155.5 | 28 | 14 | 2.580 |
| HJ-321 | 105 | 147 | 22.5 | 13 | 2.140 | HJ-2324 | 120 | 168.5 | 28 | 14 | 3.090 |
| HJ-322 | 110 | 155.5 | 23 | 14 | 2.580 | HJ-2326 | 130 | 182 | 29.5 | 14 | 3.570 |
| HJ-324 | 120 | 168.5 | 23.5 | 14 | 3.090 | HJ-2328 | 140 | 196 | 33.5 | 15 | 4.250 |
| HJ-326 | 130 | 182 | 24 | 14 | 3.570 | HJ-2330 | 150 | 210 | 34 | 15 | 5.230 |
| HJ-328 | 140 | 196 | 26 | 15 | 4.260 | HJ-2332 | 160 | 225 | 37 | 15 | 6.060 |
| HJ-330 | 150 | 210 | 26.5 | 15 | 5.230 | HJ-2334 | 170 | 238 | 38.5 | 16 | 7.170 |
| HJ-332 | 160 | 225 | 28 | 15 | 6.060 | HJ-2336 | 180 | 252 | 40 | 17 | 8.490 |
| HJ-334 | 170 | 238 | 29.5 | 16 | 7.170 | HJ-2338 | 190 | 265 | 41.5 | 18 | 9.810 |
| HJ-336 | 180 | 252 | 30.5 | 17 | 8.490 | HJ-2340 | 200 | 280 | 44.5 | 18 | 11.000 |
| HJ-338 | 190 | 265 | 32 | 18 | 9.810 | | | | | | |
| HJ-340 | 200 | 280 | 33 | 18 | 11.000 | | | | | | |

NOTE:

- 1.) The above angle rings are equivalent to FAG, SKF and Steyr.
- 2.) HJ-300 series angle rings should **only** be used with NJ and NU-300 series bearings - NJ... and HJ... = NH...
- 3.) HJ-2300 series angle rings should **only** be used with NJ and NU-2300 series bearings.

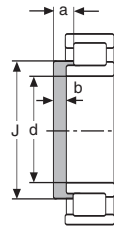


CYLINDRICAL ROLLER BEARINGS - ANGLE RINGS (E SERIES)

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) |
|------------------|---------------------|-------|------|----|---------------------|------------------|---------------------|-------|------|----|---------------------|
| | d | J | a | b | | | d | J | a | b | |
| HJ-303 E | 17 | 27.6 | 6.5 | 4 | .031 | HJ-2304 E | 20 | 31 | 7.5 | 4 | .040 |
| HJ-304 E | 20 | 31 | 6.5 | 4 | .040 | HJ-2305 E | 25 | 38 | 8 | 4 | .060 |
| HJ-305 E | 25 | 38 | 7 | 4 | .050 | HJ-2306 E | 30 | 44.8 | 8.5 | 5 | .080 |
| HJ-306 E | 30 | 44.8 | 8.5 | 5 | .080 | HJ-2307 E | 35 | 50.8 | 11 | 6 | .130 |
| HJ-307 E | 35 | 50.8 | 9.5 | 6 | .110 | HJ-2308 E | 40 | 57.7 | 12.5 | 7 | .180 |
| HJ-308 E | 40 | 57.7 | 11 | 7 | .160 | HJ-2309 E | 45 | 64.6 | 13 | 7 | .230 |
| HJ-309 E | 45 | 64.6 | 11.5 | 7 | .210 | HJ-2310 E | 50 | 71.3 | 14.5 | 8 | .340 |
| HJ-310 E | 50 | 71.3 | 13 | 8 | .300 | HJ-2311 E | 55 | 77.7 | 15.5 | 9 | .410 |
| HJ-311 E | 55 | 77.7 | 14 | 9 | .370 | HJ-2312 E | 60 | 84.5 | 16 | 9 | .510 |
| HJ-312 E | 60 | 84.5 | 14.5 | 9 | .460 | HJ-2313 E | 65 | 90.8 | 18 | 10 | .640 |
| HJ-313 E | 65 | 90.8 | 15.5 | 10 | .560 | HJ-2314 E | 70 | 98 | 18.5 | 10 | .780 |
| HJ-314 E | 70 | 98 | 15.5 | 10 | .650 | HJ-2315 E | 75 | 104.8 | 19.5 | 11 | .910 |
| HJ-315 E | 75 | 104.8 | 16.5 | 11 | .780 | HJ-2316 E | 80 | 111.1 | 20 | 11 | 1.000 |
| HJ-316 E | 80 | 111.1 | 17 | 11 | .900 | HJ-2317 E | 85 | 118.3 | 22 | 12 | 1.210 |
| HJ-317 E | 85 | 118.3 | 18.5 | 12 | 1.110 | HJ-2318 E | 90 | 124.7 | 22 | 12 | 1.520 |
| HJ-318 E | 90 | 124.7 | 18.5 | 12 | 1.210 | HJ-2319 E | 95 | 132.8 | 24.5 | 13 | 1.760 |
| HJ-319 E | 95 | 132.8 | 20.5 | 13 | 1.540 | HJ-2320 E | 100 | 140.5 | 23.5 | 13 | 2.030 |
| HJ-320 E | 100 | 140.5 | 20.5 | 13 | 1.760 | HJ-2322 E | 110 | 156.4 | 26.5 | 14 | 2.760 |
| HJ-322 E | 110 | 156.4 | 22 | 14 | 2.400 | HJ-2324 E | 120 | 169.2 | 26 | 14 | 3.130 |
| HJ-324 E | 120 | 169.2 | 22.5 | 14 | 2.820 | HJ-2326 E | 130 | 183 | 28 | 14 | 3.880 |
| HJ-326 E | 130 | 183 | 23 | 14 | 3.370 | HJ-2328 E | 140 | 196.8 | 31 | 15 | 5.070 |
| HJ-328 E | 140 | 196.8 | 25 | 15 | 4.210 | HJ-2330 E | 150 | 211 | 31.5 | 15 | 5.730 |
| HJ-330 E | 150 | 211 | 25 | 15 | 4.960 | HJ-2332 E | 160 | 223.2 | 32 | 15 | 6.280 |
| HJ-332 E | 160 | 223.2 | 25 | 15 | 5.290 | | | | | | |

NOTE:

- 1.) The above angle rings are equivalent to FAG, SKF and Steyr.
- 2.) HJ-300 E series angle rings should **only** be used with NJ and NU-300 E series bearings - NJ... and HJ... = NH...
- 3.) HJ-2300 E series angle rings should **only** be used with NJ and NU-2300 E series bearings.



CYLINDRICAL ROLLER BEARINGS - ANGLE RINGS

Consolidated
No.

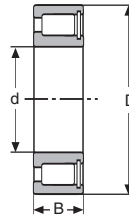
Dimensions
(Metric)

Approx.
Wgt.
(lbs.)

| | d | J | a | b | |
|--------|-----|-------|------|----|--------|
| HJ-405 | 25 | 43.6 | 10.5 | 6 | .130 |
| HJ-406 | 30 | 50.5 | 11.5 | 7 | .180 |
| HJ-407 | 35 | 59 | 13 | 8 | .270 |
| HJ-408 | 40 | 64.8 | 13 | 8 | .310 |
| HJ-409 | 45 | 71.8 | 13.5 | 8 | .390 |
| HJ-410 | 50 | 78.8 | 14.5 | 9 | .510 |
| HJ-411 | 55 | 85.2 | 16.5 | 10 | .640 |
| HJ-412 | 60 | 91.8 | 16.5 | 10 | .750 |
| HJ-413 | 65 | 98.5 | 18 | 11 | .930 |
| HJ-414 | 70 | 110.5 | 20 | 12 | 1.330 |
| HJ-415 | 75 | 116 | 21.5 | 13 | 1.570 |
| HJ-416 | 80 | 122 | 22 | 13 | 1.720 |
| HJ-417 | 85 | 126 | 24 | 14 | 1.940 |
| HJ-418 | 90 | 137 | 24 | 14 | 2.320 |
| HJ-419 | 95 | 147 | 25.5 | 15 | 2.870 |
| HJ-420 | 100 | 153.5 | 27 | 16 | 3.310 |
| HJ-421 | 105 | 159.5 | 27 | 16 | 3.640 |
| HJ-422 | 110 | 171 | 29.5 | 17 | 4.630 |
| HJ-424 | 120 | 188 | 30.5 | 17 | 5.730 |
| HJ-426 | 130 | 205 | 32 | 18 | 7.280 |
| HJ-428 | 140 | 219 | 33 | 18 | 8.270 |
| HJ-430 | 150 | 234 | 36.5 | 20 | 10.400 |

NOTE:

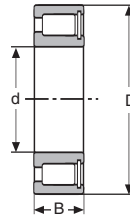
- 1.) The above angle rings are equivalent to FAG, SKF and Steyr.
- 2.) HJ-400 series angle rings should **only** be used with NJ and NU-400 series bearings - NJ... and HJ... = NH...



CYLINDRICAL ROLLER BEARINGS - SINGLE ROW - FULL COMPLEMENT

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|------|-----|---------------------|--------------|--------------|-------------|
| | d | D | B | | FAG | SKF | INA |
| NCF-1830V | 150 | 190 | 20 | 2.850 | NCF 1830V | - | SL18 1830 |
| NCF-1832V | 160 | 200 | 20 | 3.200 | NCF 1832V | - | SL18 1832 |
| NCF-1834V | 170 | 215 | 22 | 4.050 | NCF 1834V | - | SL18 1834 |
| NCF-1836V | 180 | 225 | 22 | 4.300 | NCF 1836V | NCF 1836V | SL18 1836 |
| NCF-1838V | 190 | 240 | 24 | 5.600 | NCF 1838V | NCF 1838V | SL18 1838 |
| NCF-1840V | 200 | 250 | 24 | 5.870 | NCF 1840V | NCF 1840V | SL18 1840 |
| NCF-1844V | 220 | 270 | 24 | 6.400 | NCF 1844V | NCF 1844V | SL18 1844 |
| NCF-1848V | 240 | 300 | 28 | 9.620 | NCF 1848V | NCF 1848V | SL18 1848 |
| NCF-1852V | 260 | 320 | 28 | 10.260 | NCF 1852V | NCF 1852V | SL18 1852 |
| NCF-1856V | 280 | 350 | 33 | 15.550 | NCF 1856V | NCF 1856V | SL18 1856 |
| NCF-1860V | 300 | 380 | 38 | 20.510 | NCF 1860V | NCF 1860V | SL18 1860 |
| NCF-1864V | 320 | 400 | 38 | 22.710 | NCF 1864V | NCF 1864V | SL18 1864 |
| NCF-1868V | 340 | 420 | 38 | 24.030 | NCF 1868V | NCF 1868V | SL18 1868 |
| NCF-1872V | 360 | 440 | 38 | 25.140 | NCF 1872V | NCF 1872V | SL18 1872 |
| NCF-1876V | 380 | 480 | 46 | 43.210 | NCF 1876V | NCF 1876V | SL18 1876 |
| NCF-1880V | 400 | 500 | 46 | 43.870 | NCF 1880V | NCF 1880V | SL18 1880 |
| NCF-1884V | 420 | 520 | 46 | 45.640 | NCF 1884V | NCF 1884V | SL18 1884 |
| NCF-1888V | 440 | 540 | 46 | 47.620 | NCF 1888V | NCF 1888V | SL18 1888 |
| NCF-1892V | 460 | 580 | 56 | 75.180 | NCF 1892V | NCF 1892V | SL18 1892 |
| NCF-1896V | 480 | 600 | 56 | 78.050 | NCF 1896V | NCF 1896V | SL18 1896 |
| NCF-18/500V | 500 | 620 | 56 | 81.130 | NCF 18/500V | NCF 18/500V | SL18 18/500 |
| NCF-18/530V | 530 | 650 | 56 | 85.100 | NCF 18/530V | NCF 18/530V | - |
| NCF-18/560V | 560 | 680 | 56 | 89.510 | NCF 18/560V | NCF 18/560V | - |
| NCF-18/600V | 600 | 730 | 60 | 112.000 | NCF 18/600V | NCF 18/600V | - |
| NCF-18/630V | 630 | 780 | 69 | 156.310 | NCF 18/630V | NCF 18/630V | - |
| NCF-18/670V | 670 | 820 | 69 | 165.350 | NCF 18/670V | NCF 18/670V | - |
| NCF-18/710V | 710 | 870 | 74 | 198.420 | NCF 18/710V | NCF 18/710V | - |
| NCF-18/750V | 750 | 920 | 78 | 229.280 | NCF 18/750V | NCF 18/750V | - |
| NCF-18/800V | 800 | 980 | 82 | 275.580 | NCF 18/800V | NCF 18/800V | - |
| NCF-18/850V | 850 | 1030 | 82 | 304.240 | NCF 18/850V | NCF 18/850V | - |
| NCF-18/900V | 900 | 1090 | 85 | 339.510 | NCF 18/900V | NCF 18/900V | - |
| NCF-18/950V | 950 | 1150 | 90 | 399.040 | NCF 18/950V | NCF 18/950V | - |
| NCF-18/1000V | 1000 | 1220 | 100 | 513.680 | NCF 18/1000V | NCF 18/1000V | - |
| NCF-18/1060V | 1060 | 1280 | 100 | 535.720 | NCF 18/1060V | NCF 18/1060V | - |

NOTE:
1.) Also available in C/3 internal clearance.

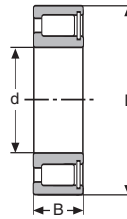


CYLINDRICAL ROLLER BEARINGS - SINGLE ROW - FULL COMPLEMENT

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|------------------|---------------------|------|-----|---------------------|--------------|---------------|
| | d | D | B | | FAG SKF | INA |
| NCF-2888V | 440 | 540 | 60 | 63.933 | NCF-2888V | - |
| NCF-2892V | 460 | 580 | 72 | 97.002 | NCF-2892V | - |
| NCF-2896V | 480 | 600 | 72 | 101.412 | NCF-2896V | - |
| NCF-28/500V | 500 | 620 | 72 | 105.821 | NCF-28/500V | - |
| NCF-28/530V | 530 | 650 | 72 | 109.128 | NCF-28/530V | - |
| NCF-28/560V | 560 | 680 | 72 | 119.048 | NCF-28/560V | - |
| NCF-28/600V | 600 | 730 | 78 | 148.811 | NCF-28/600V | - |
| NCF-28/630V | 630 | 780 | 88 | 203.926 | NCF-28/630V | - |
| NCF-28/670V | 670 | 820 | 88 | 214.949 | NCF-28/670V | SL18 28/670BR |
| NCF-28/710V | 710 | 870 | 95 | 253.529 | NCF-28/710V | - |
| NCF-28/750V | 750 | 920 | 100 | 308.644 | NCF-28/750V | - |
| NCF-28/800V | 800 | 980 | 106 | 363.759 | NCF-28/800V | - |
| NCF-28/850V | 850 | 1030 | 106 | 385.805 | NCF-28/850V | - |
| NCF-28/900V | 900 | 1090 | 112 | 458.557 | NCF-28/900V | - |
| NCF-28/950V | 950 | 1150 | 118 | 529.104 | NCF-28/950V | - |
| NCF-28/1000V | 1000 | 1220 | 128 | 683.426 | NCF-28/1000V | - |
| NCF-2912V | 60 | 85 | 16 | .610 | NCF 2912V | SL18 2912 |
| NCF-2913V | 65 | 90 | 16 | .650 | NCF 2913V | SL18 2913 |
| NCF-2914V | 70 | 100 | 19 | 1.050 | NCF 2914V | SL18 2914 |
| NCF-2915V | 75 | 105 | 19 | 1.100 | NCF 2915V | SL18 2915 |
| NCF-2916V | 80 | 110 | 19 | 1.170 | NCF 2916V | SL18 2916 |
| NCF-2917V | 85 | 120 | 22 | 1.720 | NCF 2917V | SL18 2917 |
| NCF-2918V | 90 | 125 | 22 | 1.810 | NCF 2918V | SL18 2918 |
| NCF-2919V | 95 | 130 | 22 | 1.900 | NCF 2919V | SL18 2919 |
| NCF-2920V | 100 | 140 | 24 | 2.560 | NCF 2920V | SL18 2920 |
| NCF-2922V | 110 | 150 | 24 | 2.780 | NCF 2922V | SL18 2922 |
| NCF-2924V | 120 | 165 | 27 | 3.790 | NCF 2924V | SL18 2924 |
| NCF-2926V | 130 | 180 | 30 | 5.120 | NCF 2926V | SL18 2926 |
| NCF-2928V | 140 | 190 | 30 | 5.470 | NCF 2928V | SL18 2928 |
| NCF-2930V | 150 | 210 | 36 | 8.490 | NCF 2930V | SL18 2930 |
| NCF-2932V | 160 | 220 | 36 | 8.970 | NCF 2932V | SL18 2932 |
| NCF-2934V | 170 | 230 | 36 | 9.440 | NCF 2934V | SL18 2934 |
| NCF-2936V | 180 | 250 | 42 | 13.800 | NCF 2936V | SL18 2936 |
| NCF-2938V | 190 | 260 | 42 | 14.400 | NCF 2938V | SL18 2938 |
| NCF-2940V | 200 | 280 | 48 | 20.200 | NCF 2940V | SL18 2940 |
| NCF-2944V | 220 | 300 | 48 | 21.900 | NCF 2944V | SL18 2944 |
| NCF-2948V | 240 | 320 | 48 | 23.600 | NCF 2948V | SL18 2948 |
| NCF-2952V | 260 | 360 | 60 | 41.200 | NCF 2952V | SL18 2952 |
| NCF-2956V | 280 | 380 | 60 | 43.200 | NCF 2956V | SL18 2956 |
| NCF-2960V | 300 | 420 | 72 | 69.200 | NCF 2960V | SL18 2960 |
| NCF-2964V | 320 | 440 | 72 | 73.200 | NCF 2964V | SL18 2964 |
| NCF-2968V | 340 | 460 | 72 | 76.900 | NCF 2968V | SL18 2968 |
| NCF-2972V | 360 | 480 | 72 | 80.700 | NCF 2972V | SL18 2972 |
| NCF-2976V | 380 | 520 | 82 | 115.000 | NCF 2976V | SL18 2976 |
| NCF-2980V | 400 | 540 | 82 | 120.150 | NCF 2980V | SL18 2980 |
| NCF-2984V | 420 | 560 | 82 | 125.230 | NCF 2984V | SL18 2984 |
| NCF-2988V | 440 | 600 | 95 | 176.810 | NCF 2988V | SL18 2988 |
| NCF-2992V | 460 | 620 | 95 | 184.090 | NCF 2992V | SL18 2992 |
| NCF-2996V | 480 | 650 | 100 | 215.390 | NCF 2996V | SL18 2996 |
| NCF-29/500V | 500 | 670 | 100 | 222.670 | NCF 29/500V | SL18 29/500 |

NOTE:

1.) Also available in C/3 internal clearance.

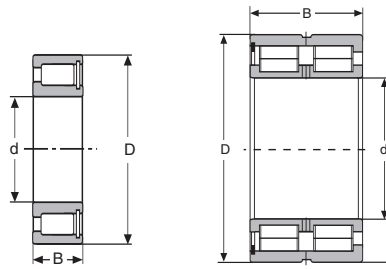


CYLINDRICAL ROLLER BEARINGS - SINGLE ROW - FULL COMPLEMENT

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|------------------|---------------------|-----|-----|---------------------|-------------|-----------|
| | d | D | B | | FAG SKF | INA |
| NCF-3004V | 20 | 42 | 16 | .114 | NCF 3004V | SL18 3004 |
| NCF-3005V | 25 | 47 | 16 | .260 | NCF 3005V | SL18 3005 |
| NCF-3006V | 30 | 55 | 19 | .410 | NCF 3006V | SL18 3006 |
| NCF-3007V | 35 | 62 | 20 | .540 | NCF 3007V | SL18 3007 |
| NCF-3008V | 40 | 68 | 21 | .650 | NCF 3008V | SL18 3008 |
| NCF-3009V | 45 | 75 | 23 | .860 | NCF 3009V | SL18 3009 |
| NCF-3010V | 50 | 80 | 23 | .920 | NCF 3010V | SL18 3010 |
| NCF-3011V | 55 | 90 | 26 | 1.380 | NCF 3011V | SL18 3011 |
| NCF-3012V | 60 | 95 | 26 | 1.490 | NCF 3012V | SL18 3012 |
| NCF-3013V | 65 | 100 | 26 | 1.570 | NCF 3013V | SL18 3013 |
| NCF-3014V | 70 | 110 | 30 | 2.210 | NCF 3014V | SL18 3014 |
| NCF-3015V | 75 | 115 | 30 | 2.320 | NCF 3015V | SL18 3015 |
| NCF-3016V | 80 | 125 | 34 | 3.200 | NCF 3016V | SL18 3016 |
| NCF-3017V | 85 | 130 | 34 | 3.350 | NCF 3017V | SL18 3017 |
| NCF-3018V | 90 | 140 | 37 | 4.300 | NCF 3018V | SL18 3018 |
| NCF-3020V | 100 | 150 | 37 | 4.700 | NCF 3020V | SL18 3020 |
| NCF-3022V | 110 | 170 | 45 | 7.630 | NCF 3022V | SL18 3022 |
| NCF-3024V | 120 | 180 | 46 | 8.290 | NCF 3024V | SL18 3024 |
| NCF-3026V | 130 | 200 | 52 | 12.300 | NCF 3026V | SL18 3026 |
| NCF-3028V | 140 | 210 | 53 | 13.200 | NCF 3028V | SL18 3028 |
| NCF-3030V | 150 | 225 | 56 | 16.000 | NCF 3030V | SL18 3030 |
| NCF-3032V | 160 | 240 | 60 | 19.200 | NCF 3032V | SL18 3032 |
| NCF-3034V | 170 | 260 | 67 | 26.700 | NCF 3034V | SL18 3034 |
| NCF-3036V | 180 | 280 | 74 | 35.300 | NCF 3036V | SL18 3036 |
| NCF-3038V | 190 | 290 | 75 | 37.300 | NCF 3038V | SL18 3038 |
| NCF-3040V | 200 | 310 | 82 | 47.800 | NCF 3040V | SL18 3040 |
| NCF-3044V | 220 | 340 | 90 | 62.800 | NCF 3044V | SL18 3044 |
| NCF-3048V | 240 | 360 | 92 | 77.000 | NCF 3048V | SL18 3048 |
| NCF-3052V | 260 | 400 | 104 | 98.100 | NCF 3052V | SL18 3052 |
| NCF-3056V | 280 | 420 | 106 | 106.000 | NCF 3056V | SL18 3056 |
| NCF-3060V | 300 | 460 | 118 | 146.830 | NCF 3060V | SL18 3060 |
| NCF-3064V | 320 | 480 | 121 | 158.070 | NCF 3064V | SL18 3064 |
| NCF-3068V | 340 | 520 | 133 | 211.200 | NCF 3068V | SL18 3068 |
| NCF-3072V | 360 | 540 | 134 | 222.670 | NCF 3072V | SL18 3072 |
| NCF-3076V | 380 | 560 | 135 | 233.690 | NCF 3076V | SL18 3076 |
| NCF-3080V | 400 | 600 | 148 | 308.650 | NCF 3080V | SL18 3080 |

NOTE:

1.) Also available in C/3 internal clearance.



NCF-2000V

NNCF-4800V

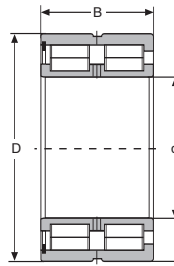
CYLINDRICAL ROLLER BEARINGS - SINGLE ROW - FULL COMPLEMENT

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|------------------|---------------------|-----|-----|---------------------|-------------|-----------|
| | d | D | B | | FAG SKF | INA |
| NCF-2204V | 20 | 47 | 18 | .340 | NCF 2204V | SL18 2204 |
| NCF-2205V | 25 | 52 | 18 | .390 | NCF 2205V | SL18 2205 |
| NCF-2206V | 30 | 62 | 20 | .620 | NCF 2206V | SL18 2206 |
| NCF-2207V | 35 | 72 | 23 | .930 | NCF 2207V | SL18 2207 |
| NCF-2208V | 40 | 80 | 23 | 1.150 | NCF 2208V | SL18 2208 |
| NCF-2209V | 45 | 85 | 23 | 1.250 | NCF 2209V | SL18 2209 |
| NCF-2210V | 50 | 90 | 23 | 1.340 | NCF 2210V | SL18 2210 |
| NCF-2211V | 55 | 100 | 25 | 1.910 | NCF 2211V | SL18 2211 |
| NCF-2212V | 60 | 110 | 28 | 2.520 | NCF 2212V | SL18 2212 |
| NCF-2213V | 65 | 120 | 31 | 3.350 | NCF 2213V | SL18 2213 |
| NCF-2214V | 70 | 125 | 31 | 3.530 | NCF 2214V | SL18 2214 |
| NCF-2215V | 75 | 130 | 31 | 3.730 | NCF 2215V | SL18 2215 |
| NCF-2216V | 80 | 140 | 33 | 4.610 | NCF 2216V | SL18 2216 |
| NCF-2217V | 85 | 150 | 36 | 5.850 | NCF 2217V | SL18 2217 |
| NCF-2218V | 90 | 160 | 40 | 7.450 | NCF 2218V | SL18 2218 |
| NCF-2220V | 100 | 180 | 46 | 11.000 | NCF 2220V | SL18 2220 |
| NCF-2222V | 110 | 200 | 53 | 15.900 | NCF 2222V | SL18 2222 |
| NCF-2224V | 120 | 215 | 58 | 19.930 | NCF 2224V | SL18 2224 |
| NCF-2226V | 130 | 230 | 64 | 24.700 | NCF 2226V | SL18 2226 |
| NCF-2228V | 140 | 250 | 68 | 31.750 | NCF 2228V | SL18 2228 |
| NCF-2230V | 150 | 270 | 73 | 40.350 | NCF 2230V | SL18 2230 |
| NCF-2232V | 160 | 290 | 80 | 50.490 | NCF 2232V | SL18 2232 |
| NCF-2234V | 170 | 310 | 86 | 62.610 | NCF 2234V | SL18 2234 |
| NCF-2236V | 180 | 320 | 86 | 65.260 | NCF 2236V | SL18 2236 |
| NCF-2238V | 190 | 340 | 92 | 78.050 | NCF 2238V | SL18 2238 |
| NCF-2240V | 200 | 360 | 98 | 94.580 | NCF 2240V | SL18 2240 |
| NCF-2244V | 220 | 400 | 108 | 132.280 | NCF 2244V | - |

NOTE:
1.) Also available in C/3 internal clearance.

CYLINDRICAL ROLLER BEARINGS - DOUBLE ROW - FULL COMPLEMENT - SEMI-LOCATING

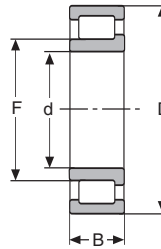
| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|-----|-----|---------------------|-------------|-----------|-------------|
| | d | D | B | | FAG | INA | SKF |
| NNCF-4830V | 150 | 190 | 40 | 6.173 | NNCF-4830V | - | NNCF-4830CV |
| NNCF-4832V | 160 | 200 | 40 | 6.614 | NNCF-4832V | - | NNCF-4832CV |
| NNCF-4834V | 170 | 215 | 45 | 8.818 | NNCF-4834V | - | NNCF-4834CV |
| NNCF-4836V | 180 | 225 | 45 | 9.259 | NNCF-4836V | - | NNCF-4836CV |
| NNCF-4838V | 190 | 240 | 50 | 12.125 | NNCF-4838V | SL18 4838 | NNCF-4838CV |
| NNCF-4840V | 200 | 250 | 50 | 12.787 | NNCF-4840V | - | NNCF-4840CV |
| NNCF-4844V | 220 | 270 | 50 | 13.889 | NNCF-4844V | - | NNCF-4844CV |
| NNCF-4848V | 240 | 300 | 60 | 21.826 | NNCF-4848V | - | NNCF-4848CV |
| NNCF-4852V | 260 | 320 | 60 | 23.810 | NNCF-4852V | - | NNCF-4852CV |
| NNCF-4856V | 280 | 350 | 69 | 34.833 | NNCF-4856V | - | NNCF-4856CV |
| NNCF-4860V | 300 | 380 | 80 | 49.604 | NNCF-4860V | - | NNCF-4860CV |
| NNCF-4864V | 320 | 400 | 80 | 51.808 | NNCF-4864V | - | NNCF-4864CV |
| NNCF-4868V | 340 | 420 | 80 | 55.115 | NNCF-4868V | - | NNCF-4868CV |
| NNCF-4872V | 360 | 440 | 80 | 58.422 | NNCF-4872V | - | NNCF-4872CV |
| NNCF-4876V | 380 | 480 | 100 | 98.766 | NNCF-4876V | - | NNCF-4876CV |
| NNCF-4880V | 400 | 500 | 100 | 101.853 | NNCF-4880V | - | NNCF-4880CV |



CYLINDRICAL ROLLER BEARINGS - DOUBLE ROW - FULL COMPLEMENT - SEMI-LOCATING

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange INA |
|-------------------|---------------------|-----|-----|---------------------|--------------------|
| | d | D | B | | |
| NNCF-4912V | 60 | 85 | 25 | 1.058 | SL18 4912 |
| NNCF-4914V | 70 | 100 | 30 | 1.720 | SL18 4914 |
| NNCF-4916V | 80 | 110 | 30 | 1.940 | SL18 4916 |
| NNCF-4918V | 90 | 125 | 35 | 2.977 | SL18 4918 |
| NNCF-4920V | 100 | 140 | 40 | 4.300 | SL18 4920 |
| NNCF-4922V | 110 | 150 | 40 | 4.741 | SL18 4922 |
| NNCF-4924V | 120 | 165 | 45 | 6.505 | SL18 4924 |
| NNCF-4926V | 130 | 180 | 50 | 8.710 | SL18 4926 |
| NNCF-4928V | 140 | 190 | 50 | 9.261 | SL18 4928 |
| NNCF-4930V | 150 | 210 | 60 | 14.700 | SL18 4930 |
| NNCF-4932V | 160 | 220 | 60 | 15.400 | SL18 4932 |
| NNCF-4934V | 170 | 230 | 60 | 16.200 | SL18 4934 |
| NNCF-4936V | 180 | 250 | 69 | 23.800 | SL18 4936 |
| NNCF-4938V | 190 | 260 | 69 | 24.700 | SL18 4938 |
| NNCF-4940V | 200 | 280 | 80 | 34.800 | SL18 4940 |
| NNCF-4944V | 220 | 300 | 80 | 37.900 | SL18 4944 |
| NNCF-4948V | 240 | 320 | 80 | 40.800 | SL18 4948 |
| NNCF-4952V | 260 | 360 | 100 | 70.600 | SL18 4952 |
| NNCF-4956V | 280 | 380 | 100 | 75.000 | SL18 4956 |
| NNCF-4960V | 300 | 420 | 118 | 116.900 | SL18 4960 |
| NNCF-4964V | 320 | 440 | 118 | 123.500 | SL18 4964 |
| NNCF-4968V | 340 | 460 | 118 | 130.100 | SL18 4968 |
| NNCF-4972V | 360 | 480 | 118 | 136.900 | SL18 4972 |
| NNCF-4976V | 380 | 520 | 140 | 203.700 | SL18 4976 |
| NNCF-4980V | 400 | 540 | 140 | 212.800 | SL18 4980 |
| NNCF-5004V | 20 | 42 | 30 | .441 | SL18 5004 |
| NNCF-5005V | 25 | 47 | 30 | .507 | SL18 5005 |
| NNCF-5006V | 30 | 55 | 34 | .772 | SL18 5006 |
| NNCF-5007V | 35 | 62 | 36 | 1.014 | SL18 5007 |
| NNCF-5008V | 40 | 68 | 38 | 1.235 | SL18 5008 |
| NNCF-5009V | 45 | 75 | 40 | 1.566 | SL18 5009 |
| NNCF-5010V | 50 | 80 | 40 | 1.676 | SL18 5010 |
| NNCF-5011V | 55 | 90 | 46 | 2.558 | SL18 5011 |
| NNCF-5012V | 60 | 95 | 46 | 2.734 | SL18 5012 |
| NNCF-5013V | 65 | 100 | 46 | 2.911 | SL18 5013 |
| NNCF-5014V | 70 | 110 | 54 | 4.079 | SL18 5014 |
| NNCF-5015V | 75 | 115 | 54 | 4.256 | SL18 5015 |
| NNCF-5016V | 80 | 125 | 60 | 5.711 | SL18 5016 |
| NNCF-5017V | 85 | 130 | 60 | 5.998 | SL18 5017 |
| NNCF-5018V | 90 | 140 | 67 | 7.982 | SL18 5018 |
| NNCF-5020V | 100 | 150 | 67 | 8.688 | SL18 5020 |
| NNCF-5022V | 110 | 170 | 80 | 13.900 | SL18 5022 |
| NNCF-5024V | 120 | 180 | 80 | 14.900 | SL18 5024 |
| NNCF-5026V | 130 | 200 | 95 | 22.500 | SL18 5026 |
| NNCF-5028V | 140 | 210 | 95 | 24.500 | SL18 5028 |
| NNCF-5030V | 150 | 225 | 100 | 29.300 | SL18 5030 |

* Larger sizes available on request.



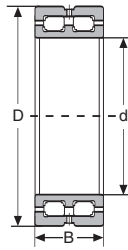
CYLINDRICAL ROLLER BEARINGS - SINGLE ROW - FULL COMPLEMENT

| Consolidated No. | Dimensions (Metric) | | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|-----|-------|-----|---------------------|-------------|-----------|------------|
| | d | D | F* | B | | FAG | INA | SKF |
| NJ-2305V | 25 | 62 | 31.7 | 24 | .789 | NJ-2305VH | SL19 2305 | NJG 2305VH |
| NJ-2306V | 30 | 72 | 38.3 | 27 | 1.230 | NJ-2306VH | SL19 2306 | NJG 2306VH |
| NJ-2307V | 35 | 80 | 44.7 | 31 | 1.610 | NJ-2307VH | SL19 2307 | NJG 2307VH |
| NJ-2308V | 40 | 90 | 51.1 | 33 | 2.200 | NJ-2308VH | SL19 2308 | NJG 2308VH |
| NJ-2309V | 45 | 100 | 56.1 | 36 | 2.950 | NJ-2309VH | SL19 2309 | NJG 2309VH |
| NJ-2310V | 50 | 110 | 60.7 | 40 | 3.970 | NJ-2310VH | SL19 2310 | NJG 2310VH |
| NJ-2311V | 55 | 120 | 67.1 | 43 | 4.940 | NJ-2311VH | SL19 2311 | NJG 2311VH |
| NJ-2312V | 60 | 130 | 73.7 | 46 | 6.240 | NJ-2312VH | SL19 2312 | NJG 2312VH |
| NJ-2313V | 65 | 140 | 80.7 | 48 | 7.670 | NJ-2313VH | SL19 2313 | NJG 2313VH |
| NJ-2314V | 70 | 150 | 84.2 | 51 | 9.520 | NJ-2314VH | SL19 2314 | NJG 2314VH |
| NJ-2315V | 75 | 160 | 91.2 | 55 | 11.400 | NJ-2315VH | SL19 2315 | NJG 2315VH |
| NJ-2316V | 80 | 170 | 98.2 | 58 | 13.800 | NJ-2316VH | SL19 2316 | NJG 2316VH |
| NJ-2317V | 85 | 180 | 107 | 60 | 16.000 | NJ-2317VH | SL19 2317 | NJG 2317VH |
| NJ-2318V | 90 | 190 | 105.3 | 64 | 19.300 | NJ-2318VH | SL19 2318 | NJG 2318VH |
| NJ-2319V | 95 | 200 | 112.3 | 67 | 22.487 | - | SL19 2319 | NJG 2319VH |
| NJ-2320V | 100 | 215 | 119.3 | 73 | 28.700 | NJ-2320VH | SL19 2320 | NJG 2320VH |
| NJ-2322V | 110 | 240 | 133.4 | 80 | 39.200 | NJ-2322VH | SL19 2322 | NJG 2322VH |
| NJ-2324V | 120 | 260 | 147.4 | 86 | 49.200 | NJ-2324VH | SL19 2324 | NJG 2324VH |
| NJ-2326V | 130 | 280 | 158 | 93 | 61.700 | NJ-2326VH | SL19 2326 | NJG 2326VH |
| NJ-2328V | 140 | 300 | 168.5 | 102 | 77.200 | NJ-2328VH | SL19 2328 | NJG 2328VH |
| NJ-2330V | 150 | 320 | 182.5 | 108 | 93.700 | NJ-2330VH | SL19 2330 | NJG 2330VH |
| NJ-2332V | 160 | 340 | 196.5 | 114 | 110.000 | NJ-2332VH | SL19 2332 | NJG 2332VH |
| NJ-2334V | 170 | 360 | 203.6 | 120 | 131.000 | NJ-2334VH | SL19 2334 | NJG 2334VH |
| NJ-2336V | 180 | 380 | 221.7 | 126 | 154.000 | NJ-2336VH | SL19 2336 | NJG 2336VH |
| NJ-2338V | 190 | 400 | 224.6 | 132 | 177.000 | NJ-2338VH | SL19 2338 | NJG 2338VH |
| NJ-2340V | 200 | 420 | 238.7 | 138 | 202.000 | NJ-2340VH | SL19 2340 | NJG 2340VH |

*"F" dimension equal to FAG and SKF. Other manufacturers' "F" dimension may vary.

NOTE:

1.) These bearings are available in C/3, C/4 and C/5 internal clearance.

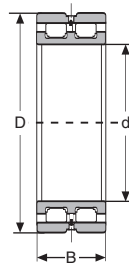


CYLINDRICAL ROLLER BEARINGS - DOUBLE ROW - FULL COMPLEMENT - LOCATING (FIXED)

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|------------------|---------------------|-----|-----|---------------------|--------------|-----------|
| | d | D | B | | FAG SKF | INA |
| NNC-4824V C/3 | 120 | 150 | 30 | 2.620 | NNC 4824V.C3 | - |
| NNC-4828V C/3 | 140 | 175 | 35 | 4.210 | NNC 4828V.C3 | - |
| NNC-4830V C/3 | 150 | 190 | 40 | 6.070 | NNC 4830V.C3 | SL01 4830 |
| NNC-4832V C/3 | 160 | 200 | 40 | 6.390 | NNC 4832V.C3 | SL01 4832 |
| NNC-4834V C/3 | 170 | 215 | 45 | 8.700 | NNC 4834V.C3 | SL01 4834 |
| NNC-4836V C/3 | 180 | 225 | 45 | 8.930 | NNC 4836V.C3 | SL01 4836 |
| NNC-4838V C/3 | 190 | 240 | 50 | 11.620 | NNC 4838V.C3 | SL01 4838 |
| NNC-4840V C/3 | 200 | 250 | 50 | 12.100 | NNC 4840V.C3 | SL01 4840 |
| NNC-4844V C/3 | 220 | 270 | 50 | 13.300 | NNC 4844V.C3 | SL01 4844 |
| NNC-4848V C/3 | 240 | 300 | 60 | 21.230 | NNC 4848V.C3 | SL01 4848 |
| NNC-4852V C/3 | 260 | 320 | 60 | 22.707 | NNC 4852V.C3 | SL01 4852 |
| NNC-4856V C/3 | 280 | 350 | 69 | 33.730 | NNC 4856V.C3 | SL01 4856 |
| NNC-4860V C/3 | 300 | 380 | 80 | 50.706 | NNC 4860V.C3 | SL01 4860 |
| NNC-4864V C/3 | 320 | 400 | 80 | 52.910 | NNC 4864V.C3 | SL01 4864 |
| NNC-4868V C/3 | 340 | 420 | 80 | 56.217 | NNC 4868V.C3 | SL01 4868 |
| NNC-4912V | 60 | 85 | 25 | .970 | NNC 4912V | SL01 4912 |
| NNC-4914V C/3 | 70 | 100 | 30 | 1.660 | NNC 4914V.C3 | SL01 4914 |
| NNC-4916V C/3 | 80 | 110 | 30 | 1.860 | NNC 4916V.C3 | SL01 4916 |
| NNC-4918V C/3 | 90 | 125 | 35 | 2.890 | NNC 4918V.C3 | SL01 4918 |
| NNC-4920V C/3 | 100 | 140 | 40 | 4.260 | NNC 4920V.C3 | SL01 4920 |
| NNC-4922V C/3 | 110 | 150 | 40 | 4.630 | NNC 4922V.C3 | SL01 4922 |
| NNC-4924V C/3 | 120 | 165 | 45 | 6.260 | NNC 4924V.C3 | SL01 4924 |
| NNC-4926V C/3 | 130 | 180 | 50 | 8.400 | NNC 4926V.C3 | SL01 4926 |
| NNC-4928V C/3 | 140 | 190 | 50 | 8.950 | NNC 4928V.C3 | SL01 4928 |
| NNC-4930V C/3 | 150 | 210 | 60 | 14.300 | NNC 4930V.C3 | SL01 4930 |
| NNC-4932V C/3 | 160 | 220 | 60 | 15.100 | NNC 4932V.C3 | SL01 4932 |
| NNC-4934V C/3 | 170 | 230 | 60 | 15.900 | NNC 4934V.C3 | SL01 4934 |
| NNC-4936V C/3 | 180 | 250 | 69 | 22.900 | NNC 4936V.C3 | SL01 4936 |
| NNC-4938V C/3 | 190 | 260 | 69 | 24.040 | NNC 4938V.C3 | SL01 4938 |
| NNC-4940V C/3 | 200 | 280 | 80 | 33.700 | NNC 4940V.C3 | SL01 4940 |
| NNC-4944V C/3 | 220 | 300 | 80 | 36.600 | NNC 4944V.C3 | SL01 4944 |
| NNC-4948V C/3 | 240 | 320 | 80 | 39.200 | NNC 4948V.C3 | SL01 4948 |
| NNC-4952V | 260 | 360 | 100 | 68.350 | NNC 4952V | SL01 4952 |
| NNC-4956V | 280 | 380 | 100 | 72.760 | NNC 4956V | SL01 4956 |
| NNC-4960V | 300 | 420 | 118 | 115.530 | NNC 4960V | SL01 4960 |
| NNC-4964V | 320 | 440 | 118 | 122.140 | NNC 4964V | SL01 4964 |
| NNC-4968V | 340 | 460 | 118 | 128.090 | NNC 4968V | SL01 4968 |
| NNC-4972V | 360 | 480 | 118 | 134.700 | NNC 4972V | SL01 4972 |
| NNC-4976V | 380 | 520 | 140 | 201.060 | NNC 4976V | SL01 4976 |
| NNC-4980V | 400 | 540 | 140 | 210.100 | NNC 4980V | SL01 4980 |

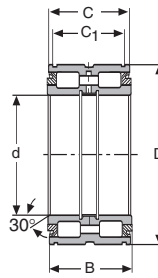
NOTE:

1.) Designs may vary between manufacturers.



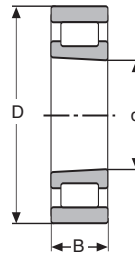
CYLINDRICAL ROLLER BEARINGS - DOUBLE ROW - FULL COMPLEMENT - NON-LOCATING (FLOATING)

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | FAG SKF | Interchange INA |
|------------------|---------------------|-----|-----|---------------------|---------------|-----------------|
| | d | D | B | | | |
| NNCL-4824V C/3 | 120 | 150 | 30 | 2.620 | NNCL 4824V.C3 | - |
| NNCL-4828V C/3 | 140 | 175 | 35 | 4.210 | NNCL 4828V.C3 | - |
| NNCL-4830V C/3 | 150 | 190 | 40 | 6.070 | NNCL 4830V.C3 | SL02 4830 |
| NNCL-4832V C/3 | 160 | 200 | 40 | 6.390 | NNCL 4832V.C3 | SL02 4832 |
| NNCL-4834V C/3 | 170 | 215 | 45 | 8.700 | NNCL 4834V.C3 | SL02 4834 |
| NNCL-4836V C/3 | 180 | 225 | 45 | 8.930 | NNCL 4836V.C3 | SL02 4836 |
| NNCL-4838V C/3 | 190 | 240 | 50 | 11.620 | NNCL 4838V.C3 | SL02 4838 |
| NNCL-4840V C/3 | 200 | 250 | 50 | 12.100 | NNCL 4840V.C3 | SL02 4840 |
| NNCL-4844V C/3 | 220 | 270 | 50 | 13.300 | NNCL 4844V.C3 | SL02 4844 |
| NNCL-4848V C/3 | 240 | 300 | 60 | 21.230 | NNCL 4848V.C3 | SL02 4848 |
| NNCL-4852V C/3 | 260 | 320 | 60 | 22.707 | NNCL 4852V.C3 | SL02 4852 |
| NNCL-4856V C/3 | 280 | 350 | 69 | 33.730 | NNCL 4856V.C3 | SL02 4856 |
| NNCL-4860V C/3 | 300 | 380 | 80 | 50.706 | NNCL 4860V.C3 | SL02 4860 |
| NNCL-4864V C/3 | 320 | 400 | 80 | 52.910 | NNCL 4864V.C3 | SL02 4864 |
| NNCL-4868V C/3 | 340 | 420 | 80 | 56.217 | NNCL 4868V.C3 | SL02 4868 |
| NNCL-4872V C/3 | 360 | 440 | 80 | 57.320 | NNCL 4872V.C3 | SL02 4872 |
| NNCL-4876V C/3 | 380 | 480 | 100 | 100.000 | NNCL 4876V.C3 | SL02 4876 |
| NNCL-4880V C/3 | 400 | 500 | 100 | 101.000 | NNCL 4880V.C3 | SL02 4880 |
| NNCL-4912V | 60 | 85 | 25 | 0.970 | NNCL 4912V | SL02 4912 |
| NNCL-4914V C/3 | 70 | 100 | 30 | 1.660 | NNCL 4914V.C3 | SL02 4914 |
| NNCL-4916V C/3 | 80 | 110 | 30 | 1.860 | NNCL 4916V.C3 | SL02 4916 |
| NNCL-4918V C/3 | 90 | 125 | 35 | 2.890 | NNCL 4918V.C3 | SL02 4918 |
| NNCL-4920V C/3 | 100 | 140 | 40 | 4.260 | NNCL 4920V.C3 | SL02 4920 |
| NNCL-4922V C/3 | 110 | 150 | 40 | 4.630 | NNCL 4922V.C3 | SL02 4922 |
| NNCL-4924V C/3 | 120 | 165 | 45 | 6.260 | NNCL 4924V.C3 | SL02 4924 |
| NNCL-4926V C/3 | 130 | 180 | 50 | 8.400 | NNCL 4926V.C3 | SL02 4926 |
| NNCL-4928V C/3 | 140 | 190 | 50 | 8.950 | NNCL 4928V.C3 | SL02 4928 |
| NNCL-4930V C/3 | 150 | 210 | 60 | 14.300 | NNCL 4930V.C3 | SL02 4930 |
| NNCL-4932V C/3 | 160 | 220 | 60 | 15.100 | NNCL 4932V.C3 | SL02 4932 |
| NNCL-4934V C/3 | 170 | 230 | 60 | 15.900 | NNCL 4934V.C3 | SL02 4934 |
| NNCL-4936V C/3 | 180 | 250 | 69 | 22.900 | NNCL 4936V.C3 | SL02 4936 |
| NNCL-4938V C/3 | 190 | 260 | 69 | 24.040 | NNCL 4938V.C3 | SL02 4938 |
| NNCL-4940V C/3 | 200 | 280 | 80 | 33.700 | NNCL 4940V.C3 | SL02 4940 |
| NNCL-4944V C/3 | 220 | 300 | 80 | 36.600 | NNCL 4944V.C3 | SL02 4944 |
| NNCL-4948V C/3 | 240 | 320 | 80 | 39.200 | NNCL 4948V.C3 | SL02 4948 |
| NNCL-4952V | 260 | 360 | 100 | 68.350 | NNCL 4952V | SL02 4952 |
| NNCL-4956V | 280 | 380 | 100 | 72.760 | NNCL 4956V | SL02 4956 |
| NNCL-4960V | 300 | 420 | 118 | 115.530 | NNCL 4960V | SL02 4960 |
| NNCL-4964V | 320 | 440 | 118 | 122.140 | NNCL 4964V | SL02 4964 |
| NNCL-4968V | 340 | 460 | 118 | 128.090 | NNCL 4968V | SL02 4968 |
| NNCL-4972V | 360 | 480 | 118 | 134.700 | NNCL 4972V | SL02 4972 |
| NNCL-4976V | 380 | 520 | 140 | 201.060 | NNCL 4976V | SL02 4976 |
| NNCL-4980V | 400 | 540 | 140 | 210.100 | NNCL 4980V | SL02 4980 |



CYLINDRICAL ROLLER BEARINGS - DOUBLE ROW - FULL COMPLEMENT - TWO SEALS

| Consolidated No. | Dimensions (Metric) | | | | | Approx. Wgt. (lbs.) | Interchange | | | |
|-------------------------|---------------------|-----|-----|-----|-------|---------------------|-------------------|---------------|-----------|-------------------|
| | d | D | B | C | C1 | | FAG | INA | Nachi | SKF |
| NNF-5004A-DA2RSV | 20 | 42 | 30 | 29 | 24.7 | .415 | NNF 5004EDA.2LS.V | SL04 5004 PPX | - | NNF 5004EDA.2LS.V |
| NNF-5005A-DA2RSV | 25 | 47 | 30 | 29 | 24.7 | .509 | NNF 5005ADA.2LS.V | SL04 5005 PPX | - | NNF 5005ADA.2LS.V |
| NNF-5006A-DA2RSV | 30 | 55 | 34 | 33 | 28.2 | .816 | NNF 5006B.2LS.V | SL04 5006 PPX | - | NNF 5006B.2LS.V |
| NNF-5007A-DA2RSV | 35 | 62 | 36 | 35 | 30.2 | .992 | NNF 5007ADA.2LS.V | SL04 5007 PPX | - | NNF 5007ADA.2LS.V |
| NNF-5008A-DA2RSV | 40 | 68 | 38 | 37 | 32.2 | 1.200 | NNF 5008ADA.2LS.V | SL04 5008 PPX | E5008NRNT | NNF 5008ADA.2LS.V |
| NNF-5009A-DA2RSV | 45 | 75 | 40 | 39 | 34.2 | 1.510 | NNF 5009ADA.2LS.V | SL04 5009 PPX | E5009NRNT | NNF 5009ADA.2LS.V |
| NNF-5010A-DA2RSV | 50 | 80 | 40 | 39 | 34.2 | 1.580 | NNF 5010ADA.2LS.V | SL04 5010 PPX | E5010NRNT | NNF 5010ADA.2LS.V |
| NNF-5011A-DA2RSV | 55 | 90 | 46 | 45 | 40.2 | 2.490 | NNF 5011ADA.2LS.V | SL04 5011 PPX | E5011NRNT | NNF 5011ADA.2LS.V |
| NNF-5012A-DA2RSV | 60 | 95 | 46 | 45 | 40.2 | 2.650 | NNF 5012EDA.2LS.V | SL04 5012 PPX | E5012NRNT | NNF 5012EDA.2LS.V |
| NNF-5013A-DA2RSV | 65 | 100 | 46 | 45 | 40.2 | 2.840 | NNF 5013ADA.2LS.V | SL04 5013 PPX | E5013NRNT | NNF 5013ADA.2LS.V |
| NNF-5014A-DA2RSV | 70 | 110 | 54 | 53 | 48.2 | 4.170 | NNF 5014ADA.2LS.V | SL04 5014 PPX | E5014NRNT | NNF 5014ADA.2LS.V |
| NNF-5015A-DA2RSV | 75 | 115 | 54 | 53 | 48.2 | 4.170 | NNF 5015B.2LS.V | SL04 5015 PPX | E5015NRNT | NNF 5015B.2LS.V |
| NNF-5016A-DA2RSV | 80 | 125 | 60 | 59 | 54.2 | 5.970 | NNF 5016ADA.2LS.V | SL04 5016 PPX | E5016NRNT | NNF 5016ADA.2LS.V |
| NNF-5017A-DA2RSV | 85 | 130 | 60 | 59 | 54.2 | 6.239 | NNF 5017B.2LS.V | SL04 5017 PPX | E5017NRNT | NNF 5017B.2LS.V |
| NNF-5018A-DA2RSV | 90 | 140 | 67 | 66 | 59.2 | 8.420 | NNF 5018ADA.2LS.V | SL04 5018 PPX | E5018NRNT | NNF 5018ADA.2LS.V |
| NNF-5019A-DA2RSV | 95 | 145 | 67 | 66 | 59.2 | 8.554 | NNF 5019B.2LS.V | SL04 5019 PPX | E5019NRNT | NNF 5019B.2LS.V |
| NNF-5020A-DA2RSV | 100 | 150 | 67 | 66 | 59.2 | 8.640 | NNF 5020C.2LS.V | SL04 5020 PPX | E5020NRNT | NNF 5020C.2LS.V |
| NNF-5022A-DA2RSV | 110 | 170 | 80 | 79 | 70.2 | 13.800 | NNF 5022B.2LS.V | SL04 5022 PPX | E5022NRNT | NNF 5022B.2LS.V |
| NNF-5024A-DA2RSV | 120 | 180 | 80 | 79 | 71.2 | 15.300 | NNF 5024B.2LS.V | SL04 5024 PPX | E5024NRNT | NNF 5024B.2LS.V |
| NNF-5026A-DA2RSV | 130 | 200 | 95 | 94 | 83.2 | 22.900 | NNF 5026C.2LS.V | SL04 5026 PPX | E5026NRNT | NNF 5026C.2LS.V |
| NNF-5028A-DA2RSV | 140 | 210 | 95 | 94 | 83.2 | 24.500 | NNF 5028B.2LS.V | SL04 5028 PPX | E5028NRNT | NNF 5028B.2LS.V |
| NNF-5030A-DA2RSV | 150 | 225 | 100 | 99 | 87.2 | 29.300 | NNF 5030B.2LS.V | SL04 5030 PPX | E5030NRNT | NNF 5030B.2LS.V |
| NNF-5032A-DA2RSV | 160 | 240 | 109 | 108 | 95.2 | 36.600 | NNF 5032B.2LS.V | SL04 5032 PPX | E5032NRNT | NNF 5032B.2LS.V |
| NNF-5034A-DA2RSV | 170 | 260 | 122 | 121 | 107.2 | 50.000 | NNF 5034B.2LS.V | SL04 5034 PPX | E5034NRNT | NNF 5034B.2LS.V |
| NNF-5036A-DA2RSV | 180 | 280 | 136 | 135 | 118.2 | 66.400 | NNF 5036B.2LS.V | SL04 5036 PPX | E5036NRNT | NNF 5036B.2LS.V |
| NNF-5038A-DA2RSV | 190 | 290 | 136 | 135 | 118.2 | 69.445 | NNF 5038B.2LS.V | SL04 5038 PPX | E5038NRNT | NNF 5038B.2LS.V |
| NNF-5040A-DA2RSV | 200 | 310 | 150 | 149 | 128.2 | 89.948 | NNF 5040B.2LS.V | SL04 5040 PPX | E5040NRNT | NNF 5040B.2LS.V |
| NNF-5044A-DA2RSV | 220 | 340 | 160 | 159 | 138.2 | 115.742 | NNF 5044B.2LS.V | SL04 5044 PPX | E5044NRNT | NNF 5044B.2LS.V |
| NNF-5048A-DA2RSV | 240 | 360 | 160 | 159 | 138.2 | 123.458 | NNF 5048B.2LS.V | SL04 5048 PPX | E5048NRNT | NNF 5048B.2LS.V |
| NNF-5052A-DA2RSV | 260 | 400 | 190 | 189 | 162.2 | 186.289 | NNF 5052B.2LS.V | SL04 5052 PPX | E5052NRNT | - |
| NNF-5056A-DA2RSV | 280 | 420 | 190 | 189 | 163.2 | 198.414 | NNF 5056C.2LS.V | SL04 5056 PPX | E5056NRNT | - |
| NNF-5060A-DA2RSV | 300 | 460 | 218 | 216 | 185.2 | 277.780 | NNF 5060C.2LS.V | SL04 5060 PPX | - | - |

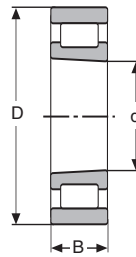


CYLINDRICAL ROLLER BEARINGS - TAPERED BORE - ABEC #5 PRECISION

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|-----------------------|---------------------|-----|----|---------------------|--------------|-------------|
| | d | D | B | | FAG | SKF |
| N-1920-KMS P/5 | 100 | 140 | 20 | 2.040 | N1920K.M1.SP | - |
| N-1921-KMS P/5 | 105 | 145 | 20 | 2.120 | N1921K.M1.SP | - |
| N-1922-KMS P/5 | 110 | 150 | 20 | 2.190 | N1922K.M1.SP | - |
| N-1924-KMS P/5 | 120 | 165 | 22 | 3.000 | N1924K.M1.SP | - |
| N-1926-KMS P/5 | 130 | 180 | 24 | 3.970 | N1926K.M1.SP | - |
| N-1928-KMS P/5 | 140 | 190 | 24 | 4.240 | N1928K.M1.SP | - |
| N-1930-KMS P/5 | 150 | 210 | 28 | 6.510 | N1930K.M1.SP | N 1930 AKSP |
| N-1932-KMS P/5 | 160 | 220 | 28 | 6.840 | N1932K.M1.SP | N 1932 AKSP |
| N-1934-KMS P/5 | 170 | 230 | 28 | 7.190 | N1934K.M1.SP | N 1934 AKSP |
| N-1936-KMS P/5 | 180 | 250 | 33 | 10.630 | N1936K.M1.SP | N 1936 AKSP |
| N-1938-KMS P/5 | 190 | 260 | 33 | 11.140 | N1938K.M1.SP | N 1938 AKSP |
| N-1940-KMS P/5 | 200 | 280 | 38 | 15.590 | N1940K.M1.SP | N 1940 AKSP |
| N-1944-KMS P/5 | 220 | 300 | 38 | 16.850 | N1944K.M1.SP | - |
| N-1948-KMS P/5 | 240 | 320 | 38 | 18.170 | N1948K.M1.SP | - |
| N-1952-KMS P/5 | 260 | 360 | 46 | 22.050 | N1952K.M1.SP | - |
| N-1956-KMS P/5 | 280 | 380 | 46 | 32.850 | N1956K.M1.SP | - |
| N-1960-KMS P/5 | 300 | 420 | 56 | 52.030 | N1960K.M1.SP | - |
| N-1964-KMS P/5 | 320 | 440 | 56 | 54.900 | N1964K.M1.SP | - |

NOTE:

- 1.) "S P/5" suffix designates ABEC #5 precision.
- 2.) "M" suffix designates machined bronze cage.

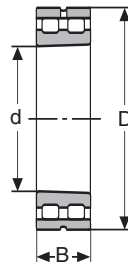


CYLINDRICAL ROLLER BEARINGS - TAPERED BORE - ABEC #5 PRECISION

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|-----|----|---------------------|--------------|-----------|-----------|
| | d | D | B | | FAG | NSK | SKF |
| N-1006-KMS P/5 | 30 | 55 | 13 | .290 | N1006K.M1.SP | N 1006 KR | - |
| N-1007-KMS P/5 | 35 | 62 | 14 | .380 | N1007K.M1.SP | N 1007 KR | - |
| N-1008-KMS P/5 | 40 | 68 | 15 | .480 | N1008K.M1.SP | N 1008 KR | N1008AKSP |
| N-1009-KMS P/5 | 45 | 75 | 16 | .600 | N1009K.M1.SP | N 1009 KR | N1009AKSP |
| N-1010-KMS P/5 | 50 | 80 | 16 | .660 | N1010K.M1.SP | N 1010 KR | N1010AKSP |
| N-1011-KMS P/5 | 55 | 90 | 18 | .970 | N1011K.M1.SP | N 1011 KR | N1011AKSP |
| N-1012-KMS P/5 | 60 | 95 | 18 | 1.040 | N1012K.M1.SP | N 1012 KR | N1012AKSP |
| N-1013-KMS P/5 | 65 | 100 | 18 | 1.100 | N1013K.M1.SP | N 1013 KR | N1013AKSP |
| N-1014-KMS P/5 | 70 | 110 | 20 | 1.530 | N1014K.M1.SP | N 1014 KR | N1014AKSP |
| N-1015-KMS P/5 | 75 | 115 | 20 | 1.610 | N1015K.M1.SP | N 1015 KR | N1015AKSP |
| N-1016-KMS P/5 | 80 | 125 | 22 | 2.180 | N1016K.M1.SP | N 1016 KR | N1016AKSP |
| N-1017-KMS P/5 | 85 | 130 | 22 | 2.300 | N1017K.M1.SP | N 1017 KR | N1017AKSP |
| N-1018-KMS P/5 | 90 | 140 | 24 | 2.960 | N1018K.M1.SP | N 1018 KR | N1018AKSP |
| N-1019-KMS P/5 | 95 | 145 | 24 | 3.090 | N1019K.M1.SP | N 1019 KR | N1019AKSP |
| N-1020-KMS P/5 | 100 | 150 | 24 | 3.220 | N1020K.M1.SP | N 1020 KR | N1020AKSP |
| N-1021-KMS P/5 | 105 | 160 | 26 | 4.020 | N1021K.M1.SP | N 1021 KR | N1021AKSP |
| N-1022-KMS P/5 | 110 | 170 | 28 | 5.070 | N1022K.M1.SP | N 1022 KR | N1022AKSP |
| N-1024-KMS P/5 | 120 | 180 | 28 | 5.460 | N1024K.M1.SP | N 1024 KR | N1024AKSP |
| N-1026-KMS P/5 | 130 | 200 | 33 | 8.200 | N1026K.M1.SP | N 1026 KR | N1026AKSP |
| N-1028-KMS P/5 | 140 | 210 | 33 | 8.690 | N1028K.M1.SP | N 1028 KR | - |
| N-1030-KMS P/5 | 150 | 225 | 35 | 10.480 | N1030K.M1.SP | - | - |
| N-1032-KMS P/5 | 160 | 240 | 38 | 12.770 | N1032K.M1.SP | - | - |
| N-1034-KMS P/5 | 170 | 260 | 42 | 17.130 | N1034K.M1.SP | - | - |
| N-1036-KMS P/5 | 180 | 280 | 46 | 22.490 | N1036K.M1.SP | - | - |
| N-1038-KMS P/5 | 190 | 290 | 46 | 23.370 | N1038K.M1.SP | - | - |
| N-1040-KMS P/5 | 200 | 310 | 51 | 30.870 | N1040K.M1.SP | - | - |
| N-1044-KMS P/5 | 220 | 340 | 56 | 39.470 | N1044K.M1.SP | - | - |
| N-1048-KMS P/5 | 240 | 360 | 56 | 42.550 | N1048K.M1.SP | - | - |
| N-1052-KMS P/5 | 260 | 400 | 65 | 63.060 | N1052K.M1.SP | - | - |
| N-1056-KMS P/5 | 280 | 420 | 65 | 68.130 | N1056K.M1.SP | - | - |
| N-1060-KMS P/5 | 300 | 460 | 74 | 96.350 | N1060K.M1.SP | - | - |
| N-1064-KMS P/5 | 320 | 480 | 74 | 99.430 | N1064K.M1.SP | - | - |

NOTE:

- 1.) "S P/5" suffix designates ABEC #5 precision.
- 2.) "M" suffix designates machined bronze cage.



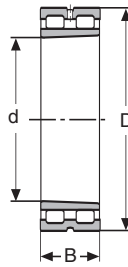
CYLINDRICAL ROLLER BEARINGS - TAPERED BORE - ABEC #5 PRECISION

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|-------------------|---------------------|-----|-----|---------------------|--------------------|--------------------|
| | d | D | B | | FAG | SKF |
| NN-3005-KMS P/5 | 25 | 47 | 16 | .280 | NN 3005 ASK.M.SP | - |
| NN-3006-KMS P/5 | 30 | 55 | 19 | .420 | NN 3006 ASK.M.SP | NN 3006 KSP |
| * NN-3007-KMS P/5 | 35 | 62 | 20 | .550 | NN 3007 ASK.M.SP | NN 3007 KSP |
| * NN-3008-KMS P/5 | 40 | 68 | 21 | .660 | NN 3008 ASK.M.SP | NN 3008 KSP |
| * NN-3009-KMS P/5 | 45 | 75 | 23 | .840 | NN 3009 ASK.M.SP | NN 3009 KSP |
| * NN-3010-KMS P/5 | 50 | 80 | 23 | .930 | NN 3010 ASK.M.SP | NN 3010 KTN9SP W33 |
| * NN-3011-KMS P/5 | 55 | 90 | 26 | 1.350 | NN 3011 ASK.M.SP | NN 3011 KTN9SP W33 |
| * NN-3012-KMS P/5 | 60 | 95 | 26 | 1.450 | NN 3012 ASK.M.SP | NN 3012 KTN9SP W33 |
| * NN-3013-KMS P/5 | 65 | 100 | 26 | 1.550 | NN 3013 ASK.M.SP | NN 3013 KTN9SP W33 |
| * NN-3014-KMS P/5 | 70 | 110 | 30 | 2.200 | NN 3014 ASK.M.SP | NN 3014 KTN9SP W33 |
| * NN-3015-KMS P/5 | 75 | 115 | 30 | 2.450 | NN 3015 ASK.M.SP | NN 3015 KTN9SP W33 |
| * NN-3016-KMS P/5 | 80 | 125 | 34 | 3.300 | NN 3016 ASK.M.SP | NN 3016 KTN9SP W33 |
| * NN-3017-KMS P/5 | 85 | 130 | 34 | 3.550 | NN 3017 ASK.M.SP | NN 3017 KTN9SP W33 |
| * NN-3018-KMS P/5 | 90 | 140 | 37 | 4.400 | NN 3018 ASK.M.SP | NN 3018 KTN9SP W33 |
| * NN-3019-KMS P/5 | 95 | 145 | 37 | 4.650 | NN 3019 ASK.M.SP | NN 3019 KTN9SP W33 |
| * NN-3020-KMS P/5 | 100 | 150 | 37 | 4.850 | NN 3020 ASK.M.SP | NN 3020 KTN9SP W33 |
| * NN-3021-KMS P/5 | 105 | 160 | 41 | 6.150 | NN 3021 ASK.M.SP | NN 3021 KTN9SP W33 |
| * NN-3022-KMS P/5 | 110 | 170 | 45 | 7.850 | NN 3022 ASK.M.SP | NN 3022 KTN9SP W33 |
| * NN-3024-KMS P/5 | 120 | 180 | 46 | 8.500 | NN 3024 ASK.M.SP | NN 3024 KTN9SP W33 |
| * NN-3026-KMS P/5 | 130 | 200 | 52 | 12.500 | NN 3026 ASK.M.SP | NN 3026 KTN9SP W33 |
| * NN-3028-KMS P/5 | 140 | 210 | 53 | 13.500 | NN 3028 ASK.M.SP | NN 3028 KSP W33 |
| * NN-3030-KMS P/5 | 150 | 225 | 56 | 16.500 | NN 3030 ASK.M.SP | NN 3030 KSP W33 |
| * NN-3032-KMS P/5 | 160 | 240 | 60 | 20.000 | NN 3032 ASK.M.SP | NN 3032 KSP W33 |
| * NN-3034-KMS P/5 | 170 | 260 | 67 | 27.500 | NN 3034 ASK.M.SP | NN 3034 KSP W33 |
| * NN-3036-KMS P/5 | 180 | 280 | 74 | 36.500 | NN 3036 ASK.M.SP | NN 3036 KSP W33 |
| * NN-3038-KMS P/5 | 190 | 290 | 75 | 37.500 | NN 3038 ASK.M.SP | NN 3038 KSP W33 |
| * NN-3040-KMS P/5 | 200 | 310 | 82 | 48.500 | NN 3040 ASK.M.SP | NN 3040 KSP W33 |
| * NN-3044-KMS P/5 | 220 | 340 | 90 | 63.000 | NN 3044 ASK.M.SP | NN 3044 KSP W33 |
| * NN-3048-KMS P/5 | 240 | 360 | 92 | 70.500 | NN 3048 ASK.M.SP | NN 3048 KSP W33 |
| NN-3052-KMS P/5 | 260 | 400 | 104 | 100.000 | NN 3052 ASK.M.SP | - |
| NN-3056-KMS P/5 | 280 | 420 | 106 | 110.000 | NN 3056 ASK.M.SP | - |
| NN-3060-KMS P/5 | 300 | 460 | 118 | 150.000 | NN 3060 ASK.M.SP | - |
| NN-3064-KMS P/5 | 320 | 480 | 121 | 165.000 | NN 3064 ASK.M.SP | - |
| NN-3068-KMS P/5 | 340 | 520 | 133 | 215.000 | NN 3068 ASK.M.SP | - |
| NN-3072-KMS P/5 | 360 | 540 | 134 | 230.000 | NN 3072 ASK.M.SP | - |
| NN-3076-KMS P/5 | 380 | 560 | 135 | 238.000 | NN 3076 ASK.M.SP | - |
| NN-3080-KMS P/5 | 400 | 600 | 148 | 309.000 | NN 3080 ASK.M.SP | - |
| NN-3084-KMS P/5 | 420 | 620 | 150 | 325.000 | NN 3084 ASK.M.SP | - |
| NN-3088-KMS P/5 | 440 | 650 | 157 | 375.000 | NN 3088 ASK.M.SP | - |
| NN-3092-KMS P/5 | 460 | 680 | 163 | 426.000 | NN 3092 ASK.M.SP | - |
| NN-3096-KMS P/5 | 480 | 700 | 165 | 447.000 | NN 3096 ASK.M.SP | - |
| NN-30/500-KMS P/5 | 500 | 720 | 167 | 467.000 | NN 30/500 ASK.M.SP | - |

* Sizes available with cylindrical bore (NN-...MS P/5).

NOTE:

- 1.) "S P/5" suffix designates ABEC #5 precision and is equal to the former SKF suffix C/481 or C/4817. (Selected rollers).
- 2.) "M" suffix designates machined bronze cage.
- 3.) Also available in S P/4 (ABEC #7) precision. Consult factory for availability.



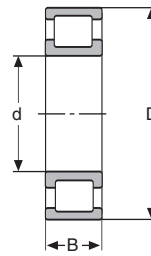
CYLINDRICAL ROLLER BEARINGS - TAPERED BORE* - ABEC #5 PRECISION

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | |
|--------------------|---------------------|------|-----|---------------------|--------------------|------------------|
| | d | D | B | | FAG | SKF |
| NUU-4920-KMS P/5 | 100 | 140 | 40 | 4.120 | NUU 4920 SK.M.SP | NUU 4920 BKSPW33 |
| NUU-4921-KMS P/5 | 105 | 145 | 40 | 4.190 | NUU 4921 SK.M.SP | NUU 4921 BKSPW33 |
| NUU-4922-KMS P/5 | 110 | 150 | 40 | 4.390 | NUU 4922 SK.M.SP | NUU 4922 BKSPW33 |
| NUU-4924-KMS P/5 | 120 | 165 | 45 | 5.950 | NUU 4924 SK.M.SP | NUU 4924 BKSPW33 |
| NUU-4926-KMS P/5 | 130 | 180 | 50 | 7.940 | NUU 4926 SK.M.SP | NUU 4926 BKSPW33 |
| NUU-4928-KMS P/5 | 140 | 190 | 50 | 8.820 | NUU 4928 SK.M.SP | NUU 4928 BKSPW33 |
| NUU-4930-KMS P/5 | 150 | 210 | 60 | 13.800 | NUU 4930 SK.M.SP | NUU 4930 BKSPW33 |
| NUU-4932-KMS P/5 | 160 | 220 | 60 | 14.300 | NUU 4932 SK.M.SP | NUU 4932 BKSPW33 |
| NUU-4934-KMS P/5 | 170 | 230 | 60 | 15.200 | NUU 4934 SK.M.SP | NUU 4934 BKSPW33 |
| NUU-4936-KMS P/5 | 180 | 250 | 69 | 22.000 | NUU 4936 SK.M.SP | NUU 4936 BKSPW33 |
| NUU-4938-KMS P/5 | 190 | 260 | 69 | 23.600 | NUU 4938 SK.M.SP | NUU 4938 BKSPW33 |
| NUU-4940-KMS P/5 | 200 | 280 | 80 | 33.100 | NUU 4940 SK.M.SP | NUU 4940 BKSPW33 |
| NUU-4944-KMS P/5 | 220 | 300 | 80 | 35.100 | NUU 4944 SK.M.SP | NUU 4944 BKSPW33 |
| NUU-4948-KMS P/5 | 240 | 320 | 80 | 37.900 | NUU 4948 SK.M.SP | NUU 4948 BKSPW33 |
| NUU-4952-KMS P/5 | 260 | 360 | 100 | 67.500 | NUU 4952 SK.M.SP | NUU 4952 BKSPW33 |
| NUU-4956-KMS P/5 | 280 | 380 | 100 | 69.900 | NUU 4956 SK.M.SP | NUU 4956 BKSPW33 |
| NUU-4960-KMS P/5 | 300 | 420 | 118 | 107.000 | NUU 4960 SK.M.SP | NUU 4960 BKSPW33 |
| NUU-4964-KMS P/5 | 320 | 440 | 118 | 114.000 | NUU 4964 SK.M.SP | NUU 4964 BKSPW33 |
| NUU-4968-KMS P/5 | 340 | 460 | 118 | 123.000 | NUU 4968 SK.M.SP | - |
| NUU-4972-KMS P/5 | 360 | 480 | 118 | 129.000 | NUU 4972 SK.M.SP | - |
| NUU-4976-KMS P/5 | 380 | 520 | 140 | 191.000 | NUU 4976 SK.M.SP | NUU 4976 BKSP |
| NUU-4980-KMS P/5 | 400 | 540 | 140 | 200.000 | NUU 4980 SK.M.SP | NUU 4980 BKSPW33 |
| NUU-4984-KMS P/5 | 420 | 560 | 140 | 208.000 | NUU 4984 SK.M.SP | - |
| NUU-4988-KMS P/5 | 440 | 600 | 160 | 288.000 | NUU 4988 SK.M.SP | NUU 4988 BKSP |
| NUU-4992-KMS P/5 | 460 | 620 | 160 | 299.000 | NUU 4992 SK.M.SP | - |
| NUU-4996-KMS P/5 | 480 | 650 | 170 | 354.000 | NUU 4996 SK.M.SP | - |
| NUU-49/500-KMS P/5 | 500 | 670 | 170 | 367.000 | NUU 49/500 SK.M.SP | - |
| NUU-49/530-KMS P/5 | 530 | 710 | 180 | 436.000 | NUU 49/530 SK.M.SP | - |
| NUU-49/560-KMS P/5 | 560 | 750 | 190 | 508.000 | NUU 49/560 SK.M.SP | - |
| NUU-49/600-KMS P/5 | 600 | 800 | 200 | 609.00 | NUU 49/600 SK.M.SP | NUU 49/600 BKSP |
| NUU-49/630-KMS P/5 | 630 | 850 | 218 | 773.000 | NUU 49/630 SK.M.SP | - |
| NUU-49/670-KMS P/5 | 670 | 900 | 230 | 777.000 | NUU 49/670 SK.M.SP | - |
| NUU-49/710-KMS P/5 | 710 | 950 | 243 | 1041.000 | NUU 49/710 SK.M.SP | - |
| NUU-49/750-KMS P/5 | 750 | 1000 | 250 | 1176.000 | NUU 49/750 SK.M.SP | - |
| NUU-49/800-KMS P/5 | 800 | 1060 | 258 | 1342.000 | NUU 49/800 SK.M.SP | - |
| NUU-49/850-KMS P/5 | 850 | 1120 | 272 | 1556.000 | NUU 49/850 SK.M.SP | - |
| NUU-49/900-KMS P/5 | 900 | 1180 | 280 | 1753.000 | NUU 49/900 SK.M.SP | - |
| NUU-49/950-KMS P/5 | 950 | 1250 | 300 | 2129.000 | NUU 49/950 SK.M.SP | - |

* This series is also available with cylindrical bore.

NOTE:

- 1.) "K" suffix designates tapered bore (1:12 taper).
- 2.) "S P/5" suffix designates ABEC #5 precision.
- 3.) Also available in S P/4 (ABEC #7) precision. Consult factory for availability.



CYLINDRICAL ROLLER BEARINGS - SELF-CONTAINED

| Consolidated No. | Dimensions (Metric) | | | Approx. Wgt. (lbs.) | Interchange | | |
|------------------|---------------------|-----|----|---------------------|-------------|--------|-----------|
| | d | D | B | | HOFF NH | RHP | R&M |
| R-117-LL | 17 | 40 | 12 | .190 | R 117 LL | NC 203 | LLRJN 17 |
| R-120-LL | 20 | 47 | 14 | .300 | R 120 LL | NC 204 | LLRJN 20 |
| R-125-LL | 25 | 52 | 15 | .360 | R 125 LL | NC 205 | LLRJN 25 |
| R-130-LL | 30 | 62 | 16 | .530 | R 130 LL | NC 206 | LLRJN 30 |
| R-135-LL | 35 | 72 | 17 | .750 | R 135 LL | NC 207 | LLRJN 35 |
| R-140-LL | 40 | 80 | 18 | .980 | R 140 LL | NC 208 | LLRJN 40 |
| R-145-LL | 45 | 85 | 19 | 1.130 | R 145 LL | NC 209 | LLRJN 45 |
| R-150-LL | 50 | 90 | 20 | 1.250 | R 150 LL | NC 210 | LLRJN 50 |
| R-155-LL | 55 | 100 | 21 | 1.680 | R 155 LL | NC 211 | LLRJN 55 |
| R-160-LL | 60 | 110 | 22 | 2.010 | R 160 LL | NC 212 | LLRJN 60 |
| R-165-LL | 65 | 120 | 23 | 2.730 | R 165 LL | NC 213 | LLRJN 65 |
| R-170-LL | 70 | 125 | 24 | 2.920 | R 170 LL | NC 214 | LLRJN 70 |
| R-175-LL | 75 | 130 | 25 | 3.240 | R 175 LL | NC 215 | LLRJN 75 |
| R-180-LL | 80 | 140 | 26 | 3.830 | R 180 LL | NC 216 | LLRJN 80 |
| R-185-LL | 85 | 150 | 28 | 4.900 | R 185 LL | NC 217 | LLRJN 85 |
| R-190-LL | 90 | 160 | 30 | 5.560 | R 190 LL | NC 218 | LLRJN 90 |
| R-195-LL | 95 | 170 | 32 | 6.720 | R 195 LL | NC 219 | LLRJN 95 |
| R-200-LL | 100 | 180 | 34 | 8.090 | R 200 LL | NC 220 | LLRJN 100 |
| R-205-LL | 105 | 190 | 36 | 9.560 | R 205 LL | NC 221 | LLRJN 105 |
| R-210-LL | 110 | 200 | 38 | 11.500 | R 210 LL | NC 222 | LLRJN 120 |

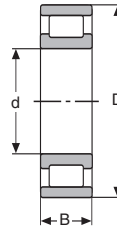
NOTE:

- 1.) This series is obsolete. We suggest that you use NUP-200 series for replacements.
- 2.) These bearings are dimensionally interchangeable with Norma Hoffmann R-100-RR series.

| | | | | | | | |
|----------|-----|-----|----|--------|----------|--------|-----------|
| R-312-LL | 12 | 37 | 12 | .180 | R 312 LL | NC 301 | MMRJN 12 |
| R-315-LL | 15 | 42 | 13 | .240 | R 315 LL | NC 302 | MMRJN 15 |
| R-317-LL | 17 | 47 | 14 | .330 | R 317 LL | NC 303 | MMRJN 17 |
| R-320-LL | 20 | 52 | 15 | .360 | R 320 LL | NC 304 | MMRJN 20 |
| R-325-LL | 25 | 62 | 17 | .630 | R 325 LL | NC 305 | MMRJN 25 |
| R-330-LL | 30 | 72 | 19 | .920 | R 330 LL | NC 306 | MMRJN 30 |
| R-335-LL | 35 | 80 | 21 | 1.220 | R 335 LL | NC 307 | MMRJN 35 |
| R-340-LL | 40 | 90 | 23 | 1.680 | R 340 LL | NC 308 | MMRJN 40 |
| R-345-LL | 45 | 100 | 25 | 2.250 | R 345 LL | NC 309 | MMRJN 45 |
| R-350-LL | 50 | 110 | 27 | 2.930 | R 350 LL | NC 310 | MMRJN 50 |
| R-355-LL | 55 | 120 | 29 | 3.700 | R 355 LL | NC 311 | MMRJN 55 |
| R-360-LL | 60 | 130 | 31 | 4.570 | R 360 LL | NC 312 | MMRJN 60 |
| R-365-LL | 65 | 140 | 33 | 5.600 | R 365 LL | NC 313 | MMRJN 65 |
| R-370-LL | 70 | 150 | 35 | 6.930 | R 370 LL | NC 314 | MMRJN 70 |
| R-375-LL | 75 | 160 | 37 | 8.280 | R 375 LL | NC 315 | MMRJN 75 |
| R-380-LL | 80 | 170 | 39 | 9.940 | R 380 LL | NC 316 | MMRJN 80 |
| R-385-LL | 85 | 180 | 41 | 11.800 | R 385 LL | NC 317 | MMRJN 85 |
| R-390-LL | 90 | 190 | 43 | 14.000 | R 390 LL | NC 318 | MMRJN 90 |
| R-395-LL | 95 | 200 | 45 | 16.100 | R 395 LL | NC 319 | MMRJN 95 |
| R-400-LL | 100 | 215 | 47 | 19.700 | R 400 LL | NC 320 | MMRJN 100 |
| R-405-LL | 105 | 225 | 49 | 21.400 | R 405 LL | NC 321 | MMRJN 105 |
| R-410-LL | 110 | 240 | 50 | 25.800 | R 410 LL | NC 322 | MMRJN 110 |
| R-420-LL | 120 | 260 | 55 | 33.000 | R 420 LL | NC 324 | MMRJN 120 |

NOTE:

- 1.) This series is obsolete. We suggest that you use NUP-300 series for replacements.
- 2.) These bearings are dimensionally interchangeable with Norma Hoffmann R-300-RR series.

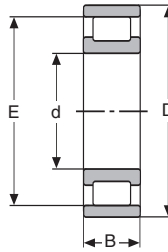


CYLINDRICAL ROLLER BEARINGS - INCH DIMENSIONS

| Consolidated No. | Dimensions (Inch) | | | Approx. Wgt. (lbs.) | RHP | Interchange Torrington |
|--------------------|-------------------|---------|--------|---------------------|---------------|---------------------------|
| | d | D | B | | | |
| RXLS-1 1/2 | 1.5000 | 2.6875 | .5625 | .500 | XLRJ 1 1/2 | - |
| RXLS-1 5/8 | 1.6250 | 2.8750 | .5625 | .600 | XLRJ 1 5/8 | - |
| RXLS-1 3/4 | 1.7500 | 3.0000 | .5625 | .640 | XLRJ 1 3/4 | - |
| RXLS-1 7/8 | 1.8750 | 3.1875 | .6250 | .760 | XLRJ 1 7/8 | - |
| RXLS-2 | 2.0000 | 3.3125 | .6250 | .790 | XLRJ 2 | - |
| RXLS-2 1/4 | 2.2500 | 3.5625 | .6250 | .860 | XLRJ 2 1/4 | - |
| RXLS-2 1/2 | 2.5000 | 3.8750 | .6875 | 1.060 | XLRJ 2 1/2 | - |
| RXLS-2 3/4 | 2.7500 | 4.1250 | .6875 | 1.160 | XLRJ 2 3/4 | - |
| RXLS-3 | 3.0000 | 4.5000 | .7500 | 1.450 | XLRJ 3 | - |
| RXLS-3 1/4 | 3.2500 | 4.7500 | .7500 | 1.550 | XLRJ 3 1/4 | - |
| RXLS-3 1/2 | 3.5000 | 5.0000 | .7500 | 1.660 | XLRJ 3 1/2 | - |
| RXLS-3 3/4 | 3.7500 | 5.2500 | .7500 | 1.750 | XLRJ 3 3/4 | - |
| RXLS-4 | 4.0000 | 5.6250 | .8750 | 2.310 | XLRJ 4 E | 40 RIN 130 |
| RXLS-4 1/4 | 4.2500 | 6.0000 | .8750 | 2.720 | XLRJ 4 1/4 E | 42 RIN 190 |
| RXLS-4 1/2 | 4.5000 | 6.2500 | .8750 | 2.880 | XLRJ 4 1/2 E | 45 RIN 195 |
| RXLS-4 3/4 | 4.7500 | 6.5000 | .8750 | 2.970 | XLRJ 4 3/4 E | 47 RIN 201 |
| RXLS-5 | 5.0000 | 7.0000 | 1.0000 | 4.160 | XLRJ 5 E | 50 RIN 206 |
| RXLS-5 1/4 | 5.2500 | 7.2500 | 1.0000 | 4.310 | XLRJ 5 1/4 E | 52 RIN 240 |
| RXLS-5 3/8 | 5.3750 | 7.5000 | 1.0000 | 4.900 | - | 53 RIN 241 |
| RXLS-5 1/2 | 5.5000 | 7.5000 | 1.0000 | 4.470 | XLRJ 5 1/2 E | 55 RIN 241 |
| RXLS-5 3/4 | 5.7500 | 7.7500 | 1.0000 | 4.630 | XLRJ 5 3/4 E | 57 RIN 246 |
| RXLS-6 | 6.0000 | 8.0000 | 1.0000 | 4.780 | XLRJ 6 E | 60 RIN 247 |
| RXLS-6 1/2 | 6.5000 | 8.7500 | 1.1250 | 6.560 | XLRJ 6 1/2 E | 65 RIN 291 |
| RXLS-7 | 7.0000 | 9.5000 | 1.2500 | 8.750 | XLRJ 7 E | 70 RIN 297 |
| RXLS-7 1/2 | 7.5000 | 10.0000 | 1.2500 | 9.310 | XLRJ 7 1/2 E | 75 RIN 341 |
| RXLS-8 | 8.0000 | 10.7500 | 1.3750 | 12.400 | XLRJ 8 E | 80 RIN 347 |
| RXLS-8 1/2 | 8.5000 | 11.5000 | 1.5000 | 15.100 | XLRJ 8 1/2 E | 85 RIN 391 |
| RXLS-9 | 9.0000 | 12.0000 | 1.5000 | 16.600 | XLRJ 9 E | 90 RIN 395 |
| RXLS-9 1/2 | 9.5000 | 12.7500 | 1.6250 | 20.500 | XLRJ 9 1/2 E | 95 RIN 430 |
| RXLS-10 | 10.0000 | 13.2500 | 1.6250 | 21.000 | XLRJ 10 E | 100 RIN 433 |
| RXLS-10 1/2 | 10.5000 | 14.0000 | 1.7500 | 25.500 | XLRJ 10 1/2 E | 105 RIN 470 |
| RXLS-11 | 11.0000 | 14.5000 | 1.7500 | 26.800 | XLRJ 11 E | 110 RIN 473 |
| RXLS-11 1/2 | 11.5000 | 15.2500 | 1.8750 | 33.000 | XLRJ 11 1/2 E | 115 RIN 510 |
| RXLS-12 | 12.0000 | 16.0000 | 2.0000 | 39.000 | XLRJ 12 E | 120 RIN 513 |
| RXLS-12 1/2 | 12.5000 | 16.5000 | 2.0000 | 46.500 | - | 125 RIN 550 |
| RXLS-13 | 13.0000 | 17.5000 | 2.2500 | 54.400 | XLRJ 13 E | 130 RIN 553 |
| RXLS-14 | 14.0000 | 18.5000 | 2.2500 | 56.000 | XLRJ 14 E | 140 RIN 583 |
| RXLS-15 | 15.0000 | 20.0000 | 2.5000 | 77.000 | XLRJ 15 E | 150 RIN 613 |
| RXLS-16 | 16.0000 | 21.5000 | 2.7500 | 85.000 | - | 160 RIN 643 |
| RXLS-17 | 17.0000 | 22.5000 | 2.7500 | 101.000 | - | - |
| RXLS-18 | 18.0000 | 24.0000 | 3.0000 | 125.000 | - | - |
| RXLS-24 | 24.0000 | 32.0000 | 4.0000 | 148.000 | - | - |

NOTE:

1.) Also available in C/3, C/4 and C/5 internal clearance.

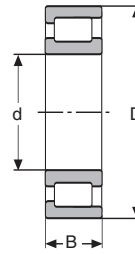


CYLINDRICAL ROLLER BEARINGS - INCH DIMENSIONS

| Consolidated No. | Dimensions (Inch) | | | | Approx. Wgt. (lbs.) | FAG FBC NH | Interchange | | | | |
|-------------------|-------------------|---------|---------|--------|---------------------|------------|--------------|---------|--------|-------------|-------|
| | d | D | E | B | | | RHP | RIV | SKF | Torrington | STEYR |
| RLS-5 | .5000 | 1.3125 | 1.1248 | .3750 | .110 | RLS 5 | LRJ 1/2 | - | CRL 4 | - | NL 4 |
| RLS-7 | .6250 | 1.5625 | 1.3346 | .4375 | .160 | RLS 7 | LRJ 5/8 | PAPV 5 | CRL 5 | - | NL 5 |
| RLS-8 | .7500 | 1.8750 | 1.6142 | .5625 | .290 | RLS 8 | LRJ 3/4 | PAPV 6 | CRL 6 | - | NL 6 |
| RLS-9 | .8750 | 2.0000 | 1.7323 | .5625 | .320 | RLS 9 | LRJ 7/8 | PAPV 7 | CRL 7 | - | NL 7 |
| RLS-10 | 1.0000 | 2.2500 | 1.9488 | .6250 | .410 | RLS 10 | LRJ 1 | PAPV 8 | CRL 8 | - | NL 8 |
| RLS-11 | 1.125 | 2.5000 | 2.1457 | .6250 | .520 | RLS 11 | LRJ 1 1/8 | PAPV 9 | CRL 9 | - | NL 9 |
| RLS-12 | 1.2500 | 2.7500 | 2.4114 | .6875 | .690 | RLS 12 | LRJ 1 1/4 | PAPV 10 | CRL 10 | - | NL 10 |
| RLS-12 1/2 | 1.3750 | 3.0000 | 2.5118 | .6875 | .830 | RLS 12 1/2 | LRJ 1 3/8 | PAPV 11 | CRL 11 | - | NL 11 |
| RLS-13 | 1.5000 | 3.2500 | 2.8748 | .7500 | 1.030 | RLS 13 | LRJ 1 1/2 | PAPV 12 | CRL 12 | - | NL 12 |
| RLS-13 1/2 | 1.6250 | 3.5000 | 3.0516 | .7500 | 1.220 | RLS 13 1/2 | LRJ 1 5/8 | PAPV 13 | CRL 13 | - | NL 13 |
| RLS-14 | 1.7500 | 3.7500 | 3.3126 | .8125 | 1.500 | RLS 14 | LRJ 1 3/4 | PAPV 14 | CRL 14 | - | NL 14 |
| RLS-14 1/2 | 1.8750 | 4.0000 | 3.4842 | .8125 | 1.780 | RLS 14 1/2 | LRJ 1 7/8 | PAPV 15 | CRL 15 | - | NL 15 |
| RLS-15 | 2.0000 | 4.0000 | 3.4842 | .8125 | 1.660 | RLS 15 | LRJ 2 | PAPV 16 | CRL 16 | - | NL 16 |
| RLS-16 | 2.2500 | 4.5000 | 3.9216 | .8750 | 2.250 | RLS 16 | LRJ 2 1/4 | PAPV 18 | CRL 18 | - | NL 18 |
| RLS-17 | 2.5000 | 5.0000 | 4.3752 | .9375 | 3.090 | RLS 17 | LRJ 2 1/2 | PAPV 20 | CRL 20 | - | NL 20 |
| RLS-18 | 2.7500 | 5.2500 | 4.5338 | .9375 | 3.280 | RLS 18 | LRJ 2 3/4 | PAPV 22 | CRL 22 | - | NL 22 |
| RLS-19 | 3.0000 | 5.7500 | 5.0787 | 1.0625 | 4.500 | RLS 19 | LRJ 3 | PAPV 24 | CRL 24 | - | NL 24 |
| RLS-19 1/2 | 3.2500 | 6.0000 | 5.3126 | 1.0625 | 4.690 | RLS 19 1/2 | LRJ 3 1/4 | PAPV 26 | CRL 26 | - | NL 26 |
| RLS-20 | 3.5000 | 6.5000 | 5.7087 | 1.1250 | 6.060 | RLS 20 | LRJ 3 1/2 | PAPV 28 | CRL 28 | - | NL 28 |
| RLS-20 1/2 | 3.7500 | 6.7500 | 6.0500 | 1.1250 | 6.380 | RLS 20 1/2 | LRJ 3 3/4 | PAPV 30 | CRL 30 | - | NL 30 |
| RLS-21 | 4.0000 | 7.2500 | 6.4374 | 1.2500 | 8.130 | RLS 21 | LRJ 4 E | PAPV 32 | CRL 32 | - | NL 32 |
| RLS-21 1/2 | 4.2500 | 7.5000 | 6.6327 | 1.2500 | 8.500 | RLS 21 1/2 | LRJ 4 1/4 E | PAPV 34 | CRL 34 | - | NL 34 |
| RLS-22 | 4.5000 | 8.0000 | 7.0827 | 1.3125 | 10.400 | RLS 22 | LRJ 4 1/2 E | PAPV 36 | CRL 36 | 45 RIN 196 | NL 36 |
| RLS-22 1/2 | 4.7500 | 8.2500 | 7.3752 | 1.3125 | 11.100 | RLS 22 1/2 | LRJ 4 3/4 E | PAPV 38 | CRL 38 | - | NL 38 |
| RLS-23 | 5.0000 | 9.0000 | 7.8748 | 1.3750 | 14.200 | RLS 23 | LRJ 5 E | PAPV 40 | CRL 40 | - | NL 40 |
| RLS-23 1/2 | 5.5000 | 9.5000 | 8.4291 | 1.3750 | 15.100 | RLS 23 1/2 | LRJ 5 1/2 E | PAPV 44 | CRL 44 | - | NL 44 |
| RLS-24 | 6.0000 | 10.5000 | 9.4374 | 1.5625 | 21.200 | RLS 24 | LRJ 6 E | PAPV 48 | CRL 48 | 60 RIN 248 | NL 48 |
| RLS-24 1/2 | 6.5000 | 11.0000 | 9.6874 | 1.5625 | 22.600 | RLS 24 1/2 | LRJ 6 1/2 E | PAPV 52 | CRL 52 | - | NL 52 |
| RLS-25 | 7.0000 | 12.0000 | 10.6874 | 1.7500 | 33.300 | RLS 25 | LRJ 7 E | PAPV 56 | CRL 56 | - | NL 56 |
| RLS-25 1/2 | 7.5000 | 12.5000 | 11.1874 | 1.7500 | 32.000 | RLS 25 1/2 | LRJ 7 1/2 E | - | CRL 60 | - | NL 60 |
| RLS-26 | 8.0000 | 13.0000 | 11.6874 | 1.7500 | 33.500 | RLS 26 | LRJ 8 E | - | CRL 64 | - | NL 64 |
| RLS-26 1/2 | 8.5000 | 14.0000 | 12.5626 | 2.0000 | 46.300 | RLS 26 1/2 | LRJ 8 1/2 E | - | - | - | - |
| RLS-27 | 9.0000 | 14.5000 | 13.0626 | 2.0000 | 48.000 | - | LRJ 9 E | - | - | 90 RIN 396 | - |
| RLS-27 1/2 | 9.5000 | 15.1250 | - | 2.0000 | 52.000 | - | LRJ 9 1/2 E | - | - | - | - |
| RLS-28 | 10.0000 | 15.7500 | 14.1874 | 2.0000 | 55.000 | - | LRJ 10 E | - | - | - | - |
| RLS-28 1/2 | 10.5000 | 16.6250 | - | 2.2500 | 68.000 | - | LRJ 10 1/2 E | - | - | - | - |
| RLS-29 | 11.0000 | 17.5000 | 15.6874 | 2.2500 | 78.300 | - | LRJ 11 E | - | - | - | - |
| RLS-29 1/2 | 11.5000 | 18.0000 | 16.2500 | 2.3750 | 84.500 | - | LRJ 11 1/2 E | - | - | - | - |
| RLS-30 | 12.0000 | 18.5000 | - | 2.6250 | 94.000 | - | LRJ 12 E | - | - | - | - |
| RLS-30 1/2 | 12.5000 | 19.0000 | - | 2.6250 | 107.000 | - | LRJ 12 1/2 E | - | - | 125 RIN 551 | - |
| RLS-31 | 13.0000 | 20.0000 | - | 2.7500 | 120.000 | - | LRJ 13 E | - | - | - | - |
| RLS-31 1/2 | 13.5000 | 20.7500 | - | 2.7500 | 132.000 | - | LRJ 13 1/2 E | - | - | 135 RIN 581 | - |
| RLS-32 | 14.0000 | 21.5000 | 19.5000 | 2.8750 | 144.000 | - | LRJ 14 E | - | - | - | - |
| RLS-32 1/2 | 14.5000 | 22.0000 | - | 3.0000 | 150.000 | - | LRJ 14 1/2 E | - | - | - | - |
| RLS-33 | 15.0000 | 22.5000 | 20.5000 | 3.0000 | 156.000 | - | LRJ 15 E | - | - | - | - |
| RLS-34 | 16.0000 | 23.7500 | - | 3.2500 | 161.000 | - | - | - | - | 160 RIN 644 | - |
| RLS-35 | 17.0000 | 25.0000 | - | 3.5000 | 182.000 | - | - | - | - | 170 RIN 664 | - |
| RLS-36 | 18.0000 | 27.0000 | - | 3.5000 | 197.000 | - | - | - | - | 180 RIN 683 | - |
| RLS-38 | 18.5000 | 27.5000 | - | 3.5000 | 215.000 | - | - | - | - | 185 RIN 695 | - |

NOTE:

1.) Also available in C/3, C/4 and C/5 internal clearance.

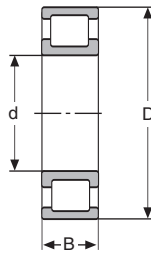


CYLINDRICAL ROLLER BEARINGS - INCH DIMENSIONS

| Consolidated No. | Dimensions (Inch) | | | Approx. Wgt. (lbs.) | Interchange | | | | |
|----------------------|-------------------|---------|--------|---------------------|-------------|--------------|---------------|--------|-------------|
| | d | D | B | | FAG | NH | RHP | SKF | TORRINGTON |
| RLS-5-L | .5000 | 1.3125 | .3750 | .170 | RL 5 L | - | LRJA 1/2 | CFL 4 | - |
| RLS-7-L | .6250 | 1.5625 | .4375 | .220 | RL 7 L | - | LRJA 3/8 | CFL 5 | - |
| RLS-8-L | .7500 | 1.8750 | .5625 | .350 | RL 8 L | RLS 8 L | LRJA 3/4 | CFL 6 | - |
| RLS-9-L | .8750 | 2.0000 | .5625 | .380 | RL 9 L | RLS 9 L | LRJA 7/8 | CFL 7 | - |
| RLS-10-L | 1.0000 | 2.2500 | .6250 | .480 | RL 10 L | RLS 10 L | LRJA 1 | CFL 8 | - |
| RLS-11-L | 1.1250 | 2.5000 | .6250 | .600 | RL 11 L | RLS 11 L | LRJA 1 1/8 | CFL 9 | - |
| RLS-12-L | 1.2500 | 2.7500 | .6875 | .750 | RL 12 L | RLS 12 L | LRJA 1 1/4 | CFL 10 | - |
| RLS-12 1/2 -L | 1.3750 | 3.0000 | .6875 | .900 | RL 12 1/2 L | RLS 12 1/2 L | LRJA 1 3/8 | CFL 11 | - |
| RLS-13-L | 1.5000 | 3.2500 | .7500 | 1.100 | RL 13 L | RLS 13 L | LRJA 1 1/2 | CFL 12 | - |
| RLS-13 1/2 -L | 1.6250 | 3.5000 | .7500 | 1.350 | RL 13 1/2 L | RLS 13 1/2 L | LRJA 1 5/8 | CFL 13 | - |
| RLS-14-L | 1.7500 | 3.7500 | .8125 | 1.650 | RL 14 L | RLS 14 L | LRJA 1 3/4 | CFL 14 | - |
| RLS-14 1/2 -L | 1.8750 | 4.0000 | .8125 | 1.900 | RL 14 1/2 L | RLS 14 1/2 L | LRJA 1 7/8 | CFL 15 | - |
| RLS-15-L | 2.0000 | 4.0000 | .8125 | 1.800 | RL 15 L | RLS 15 L | LRJA 2 | CFL 16 | - |
| RLS-16-L | 2.2500 | 4.5000 | .8750 | 2.500 | RL 16 L | RLS 16 L | LRJA 2 1/4 | CFL 18 | - |
| RLS-17-L | 2.5000 | 5.0000 | .9375 | 3.450 | RL 17 L | RLS 17 L | LRJA 2 1/2 | CFL 20 | - |
| RLS-18-L | 2.7500 | 5.2500 | .9375 | 3.750 | RL 18 L | RLS 18 L | LRJA 2 3/4 | CFL 22 | - |
| RLS-19-L | 3.0000 | 5.7500 | 1.0625 | 4.750 | RL 19 L | RLS 19 L | LRJA 3 | CFL 24 | - |
| RLS-19 1/2 -L | 3.2500 | 6.0000 | 1.0625 | 5.000 | RL 19 1/2 L | RLS 19 1/2 L | LRJA 3 1/4 | CFL 26 | - |
| RLS-20-L | 3.5000 | 6.5000 | 1.1250 | 6.500 | RL 20 L | RLS 20 L | LRJA 3 1/2 | CFL 28 | - |
| RLS-20 1/2 -L | 3.7500 | 6.7500 | 1.1250 | 6.900 | RL 20 1/2 L | RLS 20 1/2 L | LRJA 3 3/4 | CFL 30 | - |
| RLS-21-L | 4.0000 | 7.2500 | 1.2500 | 8.650 | RL 21 L | RLS 21 L | LRJA 4 E | CFL 32 | - |
| RLS-21 1/2 -L | 4.2500 | 7.5000 | 1.2500 | 9.500 | RL 21 1/2 L | RLS 21 1/2 L | LRJA 4 1/4 E | CFL 34 | - |
| RLS-22-L | 4.5000 | 8.0000 | 1.3125 | 11.500 | RL 22 L | RLS 22 L | LRJA 4 1/2 E | CFL 36 | 45 RIF 196 |
| RLS-22 1/2 -L | 4.7500 | 8.2500 | 1.3125 | 12.500 | RL 22 1/2 L | RLS 22 1/2 L | LRJA 4 3/4 E | - | - |
| RLS-23-L | 5.0000 | 9.0000 | 1.3750 | 15.750 | RL 23 L | RLS 23 L | LRJA 5 E | - | - |
| RLS-23 1/2 -L | 5.5000 | 9.5000 | 1.3750 | 16.500 | RL 23 1/2 L | RLS 23 1/2 | LRJA 5 1/2 E | - | - |
| RLS-24-L | 6.0000 | 10.5000 | 1.5625 | 23.000 | RL 24 L | RLS 24 L | LRJA 6 E | - | 60 RIF 248 |
| RLS-24 1/2 -L | 6.5000 | 11.0000 | 1.6250 | 25.000 | - | - | LRJA 6 1/2 E | - | 65 RIF 292 |
| RLS-25-L | 7.0000 | 12.0000 | 1.7500 | 31.000 | - | - | LRJA 7 E | - | 70 RIF 298 |
| RLS-25 1/2 -L | 7.5000 | 12.5000 | 1.7500 | 32.500 | - | - | LRJA 7 1/2 E | - | 75 RIF 342 |
| RLS-26-L | 8.0000 | 13.0000 | 1.7500 | 34.500 | - | - | LRJA 8 E | - | 80 RIF 348 |
| RLS-26 1/2 -L | 8.5000 | 14.0000 | 2.0000 | 46.000 | - | - | LRJA 8 1/2 E | - | 85 RIF 392 |
| RLS-27-L | 9.0000 | 14.5000 | 2.0000 | 48.000 | - | - | LRJA 9 E | - | 90 RIF 396 |
| RLS-27 1/2 -L | 9.5000 | 15.1250 | 2.0000 | 52.000 | - | - | LRJA 9 1/2 E | - | 95 RIF 431 |
| RLS-28-L | 10.0000 | 15.7500 | 2.0000 | 55.500 | - | - | LRJA 10 E | - | 100 RIF 434 |
| RLS-28 1/2 -L | 10.5000 | 16.6250 | 2.2500 | 68.000 | - | - | LRJA 10 1/2 E | - | 105 RIF 471 |
| RLS-29-L | 11.0000 | 17.5000 | 2.2500 | 78.000 | - | - | LRJA 11 E | - | 110 RIF 474 |
| RLS-29 1/2 -L | 11.5000 | 18.0000 | 2.3750 | 84.500 | - | - | LRJA 11 1/2 E | - | 115 RIF 511 |
| RLS-30-L | 12.0000 | 18.5000 | 2.6250 | 94.000 | - | - | LRJA 12 E | - | 120 RIF 514 |
| RLS-30 1/2 -L | 12.5000 | 19.0000 | 2.6250 | 107.000 | - | - | LRJA 12 1/2 E | - | 125 RIF 551 |
| RLS-31-L | 13.0000 | 20.0000 | 2.7500 | 120.000 | - | - | LRJA 13 E | - | 130 RIF 554 |
| RLS-31 1/2 -L | 13.5000 | 20.7500 | 2.7500 | 132.000 | - | - | - | - | 135 RIF 581 |
| RLS-32-L | 14.0000 | 21.5000 | 2.8750 | 144.000 | - | - | LRJA 14 E | - | 140 RIF 584 |
| RLS-32 1/2 -L | 14.5000 | 22.0000 | 3.0000 | 150.000 | - | - | - | - | 145 RIF 611 |
| RLS-33-L | 15.0000 | 22.5000 | 3.0000 | 156.000 | - | - | LRJA 15 E | - | 150 RIF 614 |
| RLS-34-L | 16.0000 | 23.7500 | 3.2500 | 161.000 | - | - | - | - | 160 RIF 644 |
| RLS-35-L | 17.0000 | 25.0000 | 3.5000 | 180.000 | - | - | - | - | 170 RIF 664 |
| RLS-36-L | 18.0000 | 27.0000 | 3.5000 | 195.000 | - | - | - | - | 180 RIF 683 |
| RLS-38-L | 18.5000 | 27.5000 | 3.5000 | 215.000 | - | - | - | - | 185 RIF 695 |

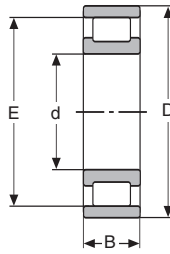
NOTE:

1.) Also available in C/3, C/4 and C/5 internal clearance.



CYLINDRICAL ROLLER BEARINGS - SELF CONTAINED - INCH DIMENSIONS

| Consolidated No. | Dimensions (Inch) | | | Approx. Wgt. (lbs.) | Interchange R&M |
|------------------|-------------------|---------|--------|---------------------|-----------------|
| | d | D | B | | |
| RLS-7-LL | .6250 | 1.5625 | .4375 | .250 | LLRJN 5/8 |
| RLS-8-LL | .7500 | 1.8750 | .5625 | .300 | LLRJN 3/4 |
| RLS-9-LL | .8750 | 2.0000 | .5625 | .500 | LLRJN 7/8 |
| RLS-10-LL | 1.0000 | 2.2500 | .6250 | .600 | LLRJN 1 |
| RLS-11-LL | 1.1250 | 2.5000 | .6250 | .750 | LLRJN 1 1/8 |
| RLS-12-LL | 1.2500 | 2.7500 | .6875 | .900 | LLRJN 1 1/4 |
| RLS-12 1/2 -LL | 1.3750 | 3.0000 | .6875 | 1.050 | LLRJN 1 3/8 |
| RLS-13-LL | 1.5000 | 3.2500 | .7500 | 1.250 | LLRJN 1 1/2 |
| RLS-13 1/2 -LL | 1.6250 | 3.5000 | .7500 | 1.500 | LLRJN 1 5/8 |
| RLS-14-LL | 1.7500 | 3.7500 | .8125 | 1.800 | LLRJN 1 3/4 |
| RLS-15-LL | 2.0000 | 4.0000 | .8125 | 1.950 | LLRJN 2 |
| RLS-14 1/2 -LL | 1.8750 | 4.0000 | .8125 | 2.000 | LLRJN 1 7/8 |
| RLS-16-LL | 2.2500 | 4.5000 | .8750 | 2.750 | LLRJN 2 1/4 |
| RLS-17-LL | 2.5000 | 5.0000 | .9375 | 3.700 | LLRJN 2 1/2 |
| RLS-18-LL | 2.7500 | 5.2500 | .9375 | 4.000 | LLRJN 2 3/4 |
| RLS-19-LL | 3.0000 | 5.7500 | 1.0625 | 5.000 | LLRJN 3 |
| RLS-19 1/2 -LL | 3.2500 | 6.0000 | 1.0625 | 5.250 | LLRJN 3 1/4 |
| RLS-20-LL | 3.5000 | 6.5000 | 1.1250 | 6.750 | LLRJN 3 1/2 |
| RLS-20 1/2 -LL | 3.7500 | 6.7500 | 1.1250 | 7.150 | LLRJN 3 3/4 |
| RLS-21-LL | 4.0000 | 7.2500 | 1.2500 | 9.000 | LLRJN 4 E |
| RLS-21 1/2 -LL | 4.2500 | 7.5000 | 1.2500 | 9.900 | LLRJN 4 1/4 E |
| RLS-22-LL | 4.5000 | 8.0000 | 1.3125 | 12.000 | LLRJN 4 1/2 E |
| RLS-22 1/2 -LL | 4.7500 | 8.2500 | 1.3125 | 13.000 | - |
| RLS-23-LL | 5.0000 | 9.0000 | 1.3750 | 16.250 | LLRJN 5 E |
| RLS-23 1/2 -LL | 5.5000 | 9.5000 | 1.3750 | 17.000 | - |
| RLS-24-LL | 6.0000 | 10.5000 | 1.5625 | 24.000 | LLRJN 6 E |
| RLS-24 1/2 -LL | 6.5000 | 11.0000 | 1.5625 | 25.000 | LLRJN 6 1/2 E |
| RLS-25-LL | 7.0000 | 12.0000 | 1.7500 | 36.000 | LLRJN 7 E |
| RLS-25 1/2 -LL | 7.5000 | 12.5000 | 1.7500 | 41.000 | LLRJN 7 1/2 E |
| RLS-26-LL | 8.0000 | 13.0000 | 1.7500 | 45.000 | LLRJN 8 E |
| RLS-26 1/2 -LL | 8.5000 | 14.0000 | 2.0000 | 52.000 | LLRJN 8 1/2 E |
| RLS-27-LL | 9.0000 | 14.5000 | 2.0000 | 59.000 | LLRJN 9 E |
| RLS-27 1/2 -LL | 9.5000 | 15.1250 | 2.0000 | 63.000 | LLRJN 9 1/2 E |
| RLS-28-LL | 10.0000 | 15.7500 | 2.0000 | 79.000 | LLRJN 10 E |
| RLS-28 1/2 -LL | 10.5000 | 16.6250 | 2.2500 | 89.000 | LLRJN 10 1/2 E |
| RLS-29-LL | 11.0000 | 17.5000 | 2.2500 | 96.000 | LLRJN 11 E |
| RLS-29 1/2 -LL | 11.5000 | 18.0000 | 2.3750 | 110.000 | LLRJN 11 1/2 E |
| RLS-30-LL | 12.0000 | 18.5000 | 2.6250 | 116.000 | LLRJN 12 E |
| RLS-30 1/2 -LL | 12.5000 | 19.0000 | 2.6250 | 131.000 | LLRJN 12 1/2 E |
| RLS-31-LL | 13.0000 | 20.0000 | 2.7500 | 145.000 | LLRJN 13 E |
| RLS-31 1/2 -LL | 13.5000 | 20.7500 | 2.7500 | 160.000 | - |
| RLS-32-LL | 14.0000 | 21.5000 | 2.8750 | 172.000 | LLRJN 14 E |
| RLS-32 1/2 -LL | 14.5000 | 22.0000 | 3.0000 | 183.000 | - |
| RLS-33-LL | 15.0000 | 22.5000 | 3.0000 | 195.000 | LLRJN 15 E |
| RLS-34-LL | 16.0000 | 23.7500 | 3.2500 | 210.000 | - |
| RLS-35-LL | 17.0000 | 25.0000 | 3.5000 | 221.000 | - |
| RLS-36-LL | 18.000 | 27.0000 | 3.5000 | 233.000 | - |
| RLS-38-LL | 18.5000 | 27.5000 | 3.5000 | 245.000 | - |

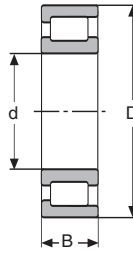


CYLINDRICAL ROLLER BEARINGS - INCH DIMENSIONS

| Consolidated No. | Dimensions (Inch) | | | | Approx. Wgt. (lbs.) | FAG FBC NH | Interchange | | | | |
|-------------------|-------------------|---------|---------|--------|---------------------|------------|--------------|---------|--------|-------------|-------|
| | d | D | E | B | | | RHP | RIV | SKF | Torrington | STEYR |
| RMS-1 | .2500 | 1.3125 | - | .5625 | .150 | RMS 1 | MRJ 1/4 | - | - | - | - |
| RMS-3 | .3750 | 1.5000 | - | .5625 | .220 | RMS 3 | MRJ 3/8 | - | CRM 3 | - | NM 3 |
| RMS-5 | .5000 | 1.6250 | 1.3835 | .6250 | .270 | RMS 5 | MRJ 1/2 | - | CRM 4 | - | NM 4 |
| RMS-7 | .6250 | 1.8125 | 1.5433 | .6250 | .300 | RMS 7 | MRJ 5/8 | PBPV 5 | CRM 5 | - | NM 5 |
| RMS-8 | .7500 | 2.0000 | 1.6929 | .6875 | .380 | RMS 8 | MRJ 3/4 | PBPV 6 | CRM 6 | - | NM 6 |
| RMS-9 | .8750 | 2.2500 | 1.9488 | .6875 | .500 | RMS 9 | MRJ 7/8 | PBPV 7 | CRM 7 | - | NM 7 |
| RMS-10 | 1.0000 | 2.5000 | 2.0866 | .7500 | .630 | RMS 10 | MRJ 1 | PBPV 8 | CRM 8 | - | NM 8 |
| RMS-11 | 1.1250 | 2.8125 | 2.4409 | .8125 | .860 | RMS 11 | MRJ 1 1/8 | PBPV 9 | CRM 9 | - | NM 9 |
| RMS-12 | 1.2500 | 3.1250 | 2.7638 | .8750 | 1.160 | RMS 12 | MRJ 1 1/4 | PBPV 10 | CRM 10 | - | NM 10 |
| RMS-12 1/2 | 1.3750 | 3.5000 | 2.9921 | .8750 | 1.560 | RMS 12 1/2 | MRJ 1 3/8 | PBPV 11 | CRM 11 | - | NM 11 |
| RMS-13 | 1.5000 | 3.7500 | 3.1300 | .9375 | 1.880 | RMS 13 | MRJ 1 1/2 | PBPV 12 | CRM 12 | - | NM 12 |
| RMS-13 1/2 | 1.6250 | 4.0000 | 3.4374 | .9375 | 2.160 | RMS 13 1/2 | MRJ 1 5/8 | PBPV 13 | CRM 13 | - | NM 13 |
| RMS-14 | 1.7500 | 4.2500 | 3.6563 | 1.0625 | 2.720 | RMS 14 | MRJ 1 3/4 | PBPV 14 | CRM 14 | - | NM 14 |
| RMS-14 1/2 | 1.8750 | 4.5000 | 3.8189 | 1.0625 | 3.090 | RMS 14 1/2 | MRJ 1 7/8 | PBPV 15 | CRM 15 | - | NM 15 |
| RMS-15 | 2.0000 | 4.5000 | 3.8189 | 1.0625 | 2.970 | RMS 15 | MRJ 2 | PBPV 16 | CRM 16 | - | NM 16 |
| RMS-16 | 2.2500 | 5.0000 | 4.4488 | 1.2500 | 4.160 | RMS 16 | MRJ 2 1/4 | PBPV 18 | CRM 18 | - | NM 18 |
| RMS-17 | 2.5000 | 5.5000 | 4.8622 | 1.2500 | 5.160 | RMS 17 | MRJ 2 1/2 | PBPV 20 | CRM 20 | - | NM 20 |
| RMS-18 | 2.7500 | 6.2500 | 5.3748 | 1.3750 | 7.530 | RMS 18 | MRJ 2 3/4 | PBPV 22 | CRM 22 | - | NM 22 |
| RMS-19 | 3.0000 | 7.0000 | 5.9449 | 1.5625 | 11.000 | RMS 19 | MRJ 3 | PBPV 24 | CRM 24 | - | NM 24 |
| RMS-19 1/2 | 3.2500 | 7.5000 | 6.3748 | 1.5625 | 13.000 | RMS 19 1/2 | MRJ 3 1/4 | PBPV 26 | CRM 26 | - | NM 26 |
| RMS-19 3/4 | 3.3750 | 7.5000 | 6.3748 | 1.5625 | 12.700 | RMS 19 3/4 | MRJ 3 3/8 | PBPV 27 | CRM 27 | - | NM 27 |
| RMS-20 | 3.5000 | 8.0625 | 6.8752 | 1.7500 | 17.000 | RMS 20 | MRJ 3 1/2 | PBPV 28 | CRM 28 | - | NM 28 |
| RMS-20 1/2 | 3.7500 | 8.2500 | 6.8752 | 1.7500 | 17.000 | RMS 20 1/2 | MRJ 3 3/4 | PBPV 30 | CRM 30 | - | NM 30 |
| RMS-21 | 4.0000 | 8.5000 | 7.4291 | 1.7500 | 17.700 | RMS 21 | MRJ 4 E | PBPV 32 | CRM 32 | 40 RIN 133 | NM 32 |
| RMS-21 1/2 | 4.2500 | 8.7500 | 7.5000 | 1.7500 | 18.400 | RMS 21 1/2 | MRJ 4 1/4 E | PBPV 34 | CRM 34 | 42 RIN 193 | NM 34 |
| RMS-22 | 4.5000 | 9.3750 | 8.1874 | 2.0000 | 24.500 | RMS 22 | MRJ 4 1/2 E | PBPV 36 | CRM 36 | 45 RIN 198 | NM 36 |
| RMS-22 1/2 | 4.7500 | 10.0000 | 8.9425 | 2.0000 | 28.000 | RMS 22 1/2 | MRJ 4 3/4 E | PBPV 38 | CRM 38 | 47 RIN 204 | NM 38 |
| RMS-23 | 5.0000 | 10.0000 | 8.9425 | 2.0000 | 27.500 | RMS 23 | MRJ 5 E | PBPV 40 | CRM 40 | 50 RIN 209 | NM 40 |
| RMS-23 1/2 | 5.5000 | 11.0000 | 9.7500 | 2.0000 | 33.800 | RMS 23 1/2 | MRJ 5 1/2 E | PBPV 44 | CRM 44 | 55 RIN 244 | NM 44 |
| RMS-24 | 6.0000 | 12.0000 | 10.6401 | 2.2500 | 47.000 | RMS 24 | MRJ 6 E | PBPV 48 | CRM 48 | 60 RIN 250 | NM 48 |
| RMS-24 1/2 | 6.5000 | 13.0000 | 11.3748 | 2.5000 | 58.000 | RMS 24 1/2 | MRJ 6 1/2 E | PBPV 52 | CRM 52 | 65 RIN 294 | NM 52 |
| RMS-25 | 7.0000 | 13.5000 | 11.8752 | 2.5000 | 58.000 | - | MRJ 7 E | - | - | 70 RIN 300 | - |
| RMS-25 1/2 | 7.5000 | 14.5000 | 12.6874 | 2.7500 | 78.000 | - | MRJ 7 1/2 E | - | - | 75 RIN 344 | - |
| RMS-26 | 8.0000 | 15.0000 | 13.1874 | 2.7500 | 81.000 | - | MRJ 8 E | - | - | 80 RIN 350 | - |
| RMS-26 1/2 | 8.5000 | 16.0000 | 14.0626 | 3.0000 | 102.000 | - | MRJ 8 1/2 E | - | - | - | - |
| RMS-27 | 9.0000 | 17.0000 | 14.8752 | 3.0000 | 116.000 | - | MRJ 9 E | - | - | 90 RIN 398 | - |
| RMS-27 1/2 | 9.5000 | 18.0000 | 15.6252 | 3.2500 | 139.000 | - | MRJ 9 1/2 E | - | - | - | - |
| RMS-28 | 10.0000 | 18.5000 | 16.2500 | 3.2500 | 143.000 | - | MRJ 10 E | - | - | 100 RIN 436 | - |
| RMS-28 1/2 | 10.5000 | 19.5000 | 17.2779 | 3.5000 | 175.000 | - | MRJ 10 1/2 E | - | - | - | - |
| RMS-29 | 11.0000 | 20.0000 | 17.6248 | 3.5000 | 180.000 | - | MRJ 11 E | - | - | - | - |
| RMS-29 1/2 | 11.5000 | 21.0000 | - | 3.7500 | 216.000 | - | MRJ 11 1/2 E | - | - | - | - |
| RMS-30 | 12.0000 | 21.5000 | 19.0000 | 3.7500 | 222.000 | - | MRJ 12 E | - | - | - | - |
| RMS-32 | 14.0000 | 25.0000 | - | 4.2500 | 245.000 | - | - | - | - | - | - |
| RMS-35 | 17.0000 | 29.5000 | - | 5.0000 | 268.000 | - | - | - | - | - | - |

NOTE:

1.) Also available in C/3, C/4 and C/5 internal clearance.



CYLINDRICAL ROLLER BEARINGS - INCH DIMENSIONS

| Consolidated No. | Dimensions (Inch) | | | Approx. Wgt. (lbs.) | Interchange | | | | | |
|----------------------|-------------------|---------|--------|---------------------|-------------|------------|--------------|---------------|--------|-------------|
| | d | D | B | | FAG | FBC | NH | RHP | SKF | Torrington |
| RMS-3-L | .3750 | 1.5000 | .5625 | 0.250 | RM 3 L | - | - | - | - | - |
| RMS-5-L | .5000 | 1.6250 | .6250 | 0.300 | RM 5 L | RFM 5 | RMS 5 L | MRJA 1/2 | CFM 4 | - |
| RMS-7-L | .6250 | 1.8125 | .6250 | 0.330 | RM 7 L | RFM 7 | RMS 7 L | MRJA 5/8 | CFM 5 | - |
| RMS-8-L | .7500 | 2.0000 | .6875 | 0.420 | RM 8 L | RFM 8 | RMS 8 L | MRJA 3/4 | CFM 6 | - |
| RMS-9-L | .8750 | 2.2500 | .6875 | 0.550 | RM 9 L | RFM 9 | RMS 9 L | MRJA 7/8 | CFM 7 | - |
| RMS-10-L | 1.0000 | 2.5000 | .7500 | 0.680 | RM 10 L | RFM 10 | RMS 10 L | MRJA 1 | CFM 8 | - |
| RMS-11-L | 1.1250 | 2.8125 | .8125 | 0.970 | RM 11 L | RFM 11 | RMS 11 L | MRJA 1 1/8 | CFM 9 | - |
| RMS-12-L | 1.2500 | 3.1250 | .8750 | 1.250 | RM 12 L | RFM 12 | RMS 12 L | MRJA 1 1/4 | CFM 10 | - |
| RMS-12 1/2 -L | 1.3750 | 3.5000 | .8750 | 1.620 | RM 12 1/2 L | RFM 12 1/2 | RMS 12 1/2 L | MRJA 1 3/8 | CFM 11 | - |
| RMS-13-L | 1.5000 | 3.7500 | .9375 | 2.000 | RM 13 L | RFM 13 | RMS 13 L | MRJA 1 1/2 | CFM 12 | - |
| RMS-13 1/2 -L | 1.6250 | 4.0000 | .9375 | 2.250 | RM 13 1/2 L | RFM 13 1/2 | RMS 13 1/2 L | MRJA 1 5/8 | CFM 13 | - |
| RMS-14-L | 1.7500 | 4.2500 | 1.0625 | 2.870 | RM 14 L | RFM 14 | RMS 14 L | MRJA 1 3/4 | CFM 14 | - |
| RMS-14 1/2 -L | 1.8750 | 4.5000 | 1.0625 | 3.250 | RM 14 1/2 L | RFM 14 1/2 | RMS 14 1/2 L | MRJA 1 7/8 | CFM 15 | - |
| RMS-15-L | 2.0000 | 4.5000 | 1.0625 | 3.120 | RM 15 L | RFM 15 | RMS 15 L | MRJA 2 | CFM 16 | - |
| RMS-16-L | 2.2500 | 5.0000 | 1.2500 | 4.370 | RM 16 L | RFM 16 | RMS 16 L | MRJA 2 1/4 | CFM 18 | - |
| RMS-17-L | 2.5000 | 5.5000 | 1.2500 | 5.440 | RM 17 L | RFM 17 | RMS 17 L | MRJA 2 1/2 | CFM 20 | - |
| RMS-18-L | 2.7500 | 6.2500 | 1.3750 | 8.000 | RM 18 L | RFM 18 | RMS 18 L | MRJA 2 3/4 | CFM 22 | - |
| RMS-19-L | 3.0000 | 7.0000 | 1.5625 | 11.400 | RM 19 L | RFM 19 | RMS 19 L | MRJA 3 | CFM 24 | - |
| RMS-19 1/2 -L | 3.2500 | 7.5000 | 1.5625 | 13.200 | RM 19 1/2 L | RFM 19 1/2 | RMS 19 1/2 L | MRJA 3 1/4 | CFM 26 | - |
| RMS-19 3/4 -L | 3.3750 | 7.5000 | 1.5625 | 13.000 | RM 19 3/4 L | RFM 19 3/4 | RMS 19 3/4 L | MRJA 3 3/8 | CFM 27 | - |
| RMS-20-L | 3.5000 | 8.1250 | 1.7500 | 17.000 | RM 20 L | RFM 20 | RMS 20 L | MRJA 3 1/2 | CFM 28 | - |
| RMS-20 1/2 -L | 3.7500 | 8.2500 | 1.7500 | 17.500 | RM 20 1/2 L | - | RMS 20 1/2 L | MRJA 3 3/4 | CFM 30 | - |
| RMS-21-L | 4.0000 | 8.5000 | 1.7500 | 18.100 | RM 21 L | - | RMS 21 L | MRJA 4 E | CFM 32 | 40 RIF 133 |
| RMS-21 1/2 -L | 4.2500 | 8.7500 | 1.7500 | 18.800 | RM 21 1/2 L | - | RMS 21 1/2 L | MRJA 4 1/4 E | - | 42 RIF 193 |
| RMS-22-L | 4.5000 | 9.3750 | 2.0000 | 25.000 | RM 22 L | - | RMS 22 L | MRJA 4 1/2 E | - | 45 RIF 198 |
| RMS-22 1/2 -L | 4.7500 | 10.0000 | 2.0000 | 28.400 | RM 22 1/2 L | - | RMS 22 1/2 L | MRJA 4 3/4 E | - | 47 RIF 204 |
| RMS-23-L | 5.0000 | 10.0000 | 2.0000 | 27.900 | RM 23 L | - | RMS 23 L | MRJA 5 E | - | 50 RIF 209 |
| RMS-23 1/2 -L | 5.5000 | 11.0000 | 2.0000 | 34.000 | RM 23 1/2 L | - | RMS 23 1/2 L | MRJA 5 1/2 E | - | 55 RIF 244 |
| RMS-24-L | 6.0000 | 12.0000 | 2.2500 | 47.000 | RM 24 L | - | RMS 24 L | MRJA 6 E | - | 60 RIF 250 |
| RMS-24 1/2 -L | 6.5000 | 13.0000 | 2.5000 | 58.000 | RM 24 1/2 L | - | RMS 24 1/2 L | MRJA 6 1/2 E | - | 65 RIF 294. |
| RMS-25-L | 7.0000 | 13.5000 | 2.5000 | 60.000 | - | - | - | MRJA 7 E | - | 70 RIF 300 |
| RMS-25 1/2-L | 7.5000 | 14.5000 | 2.7500 | 64.000 | - | - | - | MRJA 7 1/2 E | - | 75 RIF 344 |
| RMS-26-L | 8.0000 | 15.0000 | 2.7500 | 89.000 | - | - | - | MRJA 8 E | - | 80 RIF 350 |
| RMS-26 1/2-L | 8.5000 | 16.0000 | 3.0000 | 112.000 | - | - | - | MRJA 8 1/2 E | - | - |
| RMS-27-L | 9.0000 | 17.0000 | 3.0000 | 123.000 | - | - | - | MRJA 9 E | - | 90 RIF 398 |
| RMS-27 1/2-L | 9.5000 | 18.0000 | 3.2500 | 149.000 | - | - | - | MRJA 9 1/2 E | - | - |
| RMS-28-L | 10.0000 | 18.5000 | 3.2500 | 168.000 | - | - | - | MRJA 10 E | - | 100 RIF 436 |
| RMS-28 1/2-L | 10.5000 | 19.5000 | 3.5000 | 191.000 | - | - | - | MRJA 10 1/2 E | - | - |
| RMS-29-L | 11.0000 | 20.0000 | 3.5000 | 201.000 | - | - | - | MRJA 11 E | - | - |
| RMS-29 1/2-L | 11.5000 | 21.0000 | 3.7500 | 228.000 | - | - | - | MRJA 11 1/2 E | - | - |
| RMS-30-L | 12.0000 | 21.5000 | 3.7500 | 240.000 | - | - | - | MRJA 12 E | - | - |
| RMS-32-L | 14.0000 | 25.0000 | 4.2500 | 258.000 | - | - | - | - | - | - |
| RMS-35-L | 17.0000 | 29.5000 | 5.0000 | 279.000 | - | - | - | - | - | - |

NOTE:
1.) Also available in C/3, C/4 and C/5 internal clearance.



Our Service Is...

Making our products readily available to you through a nationwide system of warehouses and sales offices. **Consolidated** is ready to fulfill your daily or long term requirements for bearings and related products. We offer the following:

Same Day Shipping Service - All orders that can be filled are shipped the same day they are received.

Emergency Shipment Service – Our staff is available to serve your requirements 24 hours a day, throughout the year including holidays. Emergency phone numbers are listed in our current price schedule.

Overseas Air Service – If stock is available, **Consolidated** will arrange airfreight shipments from our overseas suppliers. Shipments are normally delivered within 10 days.

Direct Phone Order Service – Your calls reach our order desks directly. No voice mail and no delays. WATS numbers for all warehouse locations are listed on the back page of our current price schedule.

Stock Availability Service – With our computerized inventory control system, we can provide you with an immediate answer concerning stock availability from all of our nine (9) warehouse locations. For items not available, precise delivery dates can usually be given.

Technical Service – Our engineering staff can provide you with up-to-date technical information regarding all types of bearing applications.

24-Hour Fax Service – Fax numbers for all warehouse locations are indicated on the back page of our current price schedule.

Bearing Modification Service – Our Cedar Knolls facility is equipped to modify cylindrical roller and needle bearings to various internal clearances – C/3, C/4, W/23, C/5 or custom clearances to meet your special requirements.