

Needle Roller Bearings

└ Thrust

| Boundary Dimensions (mm) | | | Basic Load Ratings (N) | | Limiting Speeds (min ⁻¹) | Bearing Numbers | Bearing Numbers of Matching Bearing Rings | | | | | NSKHPS |
|-----------------------------------|---------------------------------|----------------|------------------------|-----------------|--------------------------------------|-----------------|---|-------------|-------------|-------------|-------------|--------|
| D _{c1} , D _{p1} | D _c , D _p | D _w | C _a | C _{0a} | | | Oil | s=1.0 | s=1.5 | s=2.0 | s=2.5 | |
| 10 | 24 | 2 | 7750 | 23000 | 17000 | FNTA-1024 | FTRA-1024 | FTRB-1024 | FTRC-1024 | - | - | |
| 12 | 26 | 2 | 8350 | 26300 | 16000 | FNTA-1226 | FTRA-1226 | FTRB-1226 | FTRC-1226 | - | - | |
| 15 | 28 | 2 | 7950 | 25800 | 15000 | FNTA-1528 | FTRA-1528 | FTRB-1528 | FTRC-1528 | FTRD-1528 | FTRE-1528 | |
| 16 | 29 | 2 | 8200 | 27100 | 14000 | FNTA-1629 | FTRA-1629 | FTRB-1629 | FTRC-1629 | FTRD-1629 | FTRE-1629 | |
| 17 | 30 | 2 | 8400 | 28400 | 14000 | FNTA-1730 | FTRA-1730 | FTRB-1730 | FTRC-1730 | FTRD-1730 | FTRE-1730 | |
| 18 | 31 | 2 | 8600 | 29700 | 13000 | FNTA-1831 | FTRA-1831 | FTRB-1831 | FTRC-1831 | FTRD-1831 | FTRE-1831 | |
| 20 | 35 | 2 | 11900 | 47000 | 12000 | FNTA-2035 | FTRA-2035 | FTRB-2035 | FTRC-2035 | FTRD-2035 | FTRE-2035 | |
| 25 | 42 | 2 | 14800 | 66000 | 9500 | FNTA-2542 | FTRA-2542 | FTRB-2542 | FTRC-2542 | FTRD-2542 | FTRE-2542 | |
| 30 | 47 | 2 | 16500 | 79000 | 8500 | FNTA-3047 | FTRA-3047 | FTRB-3047 | FTRC-3047 | FTRD-3047 | FTRE-3047 | |
| 35 | 52 | 2 | 17300 | 88000 | 8000 | FNTA-3552 | FTRA-3552 | FTRB-3552 | FTRC-3552 | FTRD-3552 | FTRE-3552 | |
| 40 | 60 | 3 | 26900 | 122000 | 6700 | FNTA-4060 | FTRA-4060 | FTRB-4060 | FTRC-4060 | FTRD-4060 | FTRE-4060 | |
| 45 | 65 | 3 | 28700 | 137000 | 6300 | FNTA-4565 | FTRA-4565 | FTRB-4565 | FTRC-4565 | FTRD-4565 | FTRE-4565 | |
| 50 | 70 | 3 | 30500 | 152000 | 5600 | FNTA-5070 | FTRA-5070 | FTRB-5070 | FTRC-5070 | FTRD-5070 | FTRE-5070 | |
| 55 | 78 | 3 | 37000 | 201000 | 5300 | FNTA-5578 | FTRA-5578 | FTRB-5578 | FTRC-5578 | FTRD-5578 | FTRE-5578 | |
| 60 | 85 | 3 | 43000 | 252000 | 4800 | FNTA-6085 | FTRA-6085 | FTRB-6085 | FTRC-6085 | FTRD-6085 | FTRE-6085 | |
| 65 | 90 | 3 | 45500 | 274000 | 4500 | FNTA-6590 | FTRA-6590 | FTRB-6590 | FTRC-6590 | FTRD-6590 | FTRE-6590 | |
| 70 | 95 | 4 | 59000 | 320000 | 4300 | FNTA-7095 | FTRA-7095 | FTRB-7095 | FTRC-7095 | FTRD-7095 | FTRE-7095 | |
| 75 | 100 | 4 | 60000 | 335000 | 4000 | FNTA-75100 | FTRA-75100 | FTRB-75100 | FTRC-75100 | FTRD-75100 | FTRE-75100 | |
| 80 | 105 | 4 | 63000 | 365000 | 3800 | FNTA-80105 | FTRA-80105 | FTRB-80105 | FTRC-80105 | FTRD-80105 | FTRE-80105 | |
| 85 | 110 | 4 | 64500 | 380000 | 3600 | FNTA-85110 | FTRA-85110 | FTRB-85110 | FTRC-85110 | FTRD-85110 | FTRE-85110 | |
| 90 | 120 | 4 | 80000 | 515000 | 3400 | FNTA-90120 | FTRA-90120 | FTRB-90120 | FTRC-90120 | FTRD-90120 | FTRE-90120 | |
| 100 | 135 | 4 | 98500 | 695000 | 3000 | FNTA-100135 | FTRA-100135 | FTRB-100135 | FTRC-100135 | FTRD-100135 | FTRE-100135 | |