



High-Clearance Radial Ball Bearings

• Alloy steel ring

Feature more space within the bearing housing and are for use where there is an increased press fit on the housing, elevated temperatures that may cause expansion, or a slight misalignment between the housing and the shaft.



6LO26

| Bearing Industry Number | Bore Dia. (mm) | Outside Dia. (mm) | Outer Ring Width (mm) | Brand | Double Shielded Closure | | Double Sealed Closure | |
|-------------------------|----------------|-------------------|-----------------------|-------|-------------------------|----------|-----------------------|----------|
| | | | | | Dyn. Radial Load Cap. | Item No. | Dyn. Radial Load Cap. | Item No. |
| 600 Series | | | | | | | | |
| 607 | 7 | 19 | 6 | NTN | 2,480 N | 5U526 | 3,750 N | 5U591 |
| 608 | 8 | 22 | 7 | NTN | 3,700 N | 1L001 | 3,700 N | 1L035 |
| 625 | 5 | 16 | 5 | NTN | 1,940 N | 5U592 | — | — |
| 626 | 6 | 19 | 6 | NTN | 2,590 N | 5U593 | — | — |

| 6000, 6200, 6300 Series | | | | | | | | |
|--------------------------------|----------------|-------------------|-----------------------|--------|-----------------------|---------------------------|-----------------------|-------------------------|
| Bearing Industry Number | Bore Dia. (mm) | Outside Dia. (mm) | Outer Ring Width (mm) | Brand | Dyn. Radial Load Cap. | Shielded Closure Item No. | Dyn. Radial Load Cap. | Sealed Closure Item No. |
| 6000 | 10 | 26 | 8 | NTN | 5,050 N | 1L010 | 5,650 N | 1L044 |
| 6000 | 10 | 26 | 8 | Tritan | 1,030 lbf | 35HZ61 | 1,030 lbf | 35HZ74 |
| 6001 | 12 | 28 | 8 | NTN | 5,650 N | 1L011 | 6,200 N | 1L045 |
| 6001 | 12 | 28 | 8 | Tritan | 1,150 lbf | 35HZ62 | 1,150 lbf | 35HZ75 |
| 6002 | 15 | 32 | 9 | Tritan | 1,260 lbf | 35HZ63 | 1,260 lbf | 35HZ76 |
| 6002 | 15 | 32 | 9 | NTN | 6,200 N | 5U494 | 6,200 N | 5U493 |
| 6003 | 17 | 35 | 10 | Tritan | — | — | 1,350 lbf | 35HZ77 |
| 6003 | 17 | 35 | 10 | NTN | 7,550 N | 5U496 | 7,550 N | 5U495 |
| 6004 | 20 | 42 | 12 | Tritan | 2,110 lbf | 35HZ65 | 2,110 lbf | 35HZ78 |
| 6004 | 20 | 42 | 12 | NTN | 10,400 N | 5U498 | 10,400 N | 5U497 |
| 6005 | 25 | 47 | 12 | NTN | 11,200 N | 1L012 | 11,200 N | 1L046 |
| 6005 | 25 | 47 | 12 | Tritan | — | — | 2,260 lbf | 35HZ79 |
| 6006 | 30 | 55 | 13 | Tritan | 2,970 lbf | 35HZ67 | 2,970 lbf | 35HZ80 |
| 6006 | 30 | 55 | 13 | NTN | — | — | 14,700 N | 5U499 |
| 6007 | 35 | 62 | 14 | Tritan | — | — | 3,600 lbf | 35HZ81 |
| 6008 | 40 | 68 | 15 | Tritan | — | — | 3,750 lbf | 35HZ82 |
| 6008 | 40 | 68 | 15 | NTN | — | — | 18,600 N | 5U503 |
| 6200 | 10 | 30 | 9 | NTN | 5,650 N | 1L013 | 6,750 N | 6L022 |
| 6200 | 10 | 30 | 9 | Tritan | 1,150 lbf | 35JA01 | 1,150 lbf | 35JA14 |
| 6201 | 12 | 32 | 10 | NTN | 6,750 N | 1L014 | 6,750 N | 6L023 |
| 6201 | 12 | 32 | 10 | Tritan | 1,530 lbf | 35JA02 | 1,530 lbf | 35JA15 |
| 6202 | 15 | 35 | 11 | NTN | 8,600 N | 1L015 | 8,600 N | 6L024 |
| 6202 | 15 | 35 | 11 | Tritan | 1,740 lbf | 35JA03 | 1,740 lbf | 35JA16 |
| 6203 | 17 | 40 | 12 | NTN | 10,600 N | 1L016 | 10,600 N | 4ZXE9 |
| 6203 | 17 | 40 | 12 | Tritan | 2,150 lbf | 35JA04 | 2,150 lbf | 35JA17 |
| 6203 | 17 | 40 | 12 | NTN | — | — | 10,600 N | 6L025 |
| 6204 | 20 | 47 | 14 | NTN | 14,200 N | 1L017 | 14,200 N | 6L026 |
| 6204 | 20 | 47 | 14 | Tritan | 2,880 lbf | 35JA05 | — | — |
| 6205 | 25 | 52 | 15 | NTN | 15,500 N | 1L018 | 15,500 N | 4ZXF4 |
| 6205 | 25 | 52 | 15 | Tritan | 3,150 lbf | 35JA06 | 3,150 lbf | 35JA19 |
| 6205 | 25 | 52 | 15 | NTN | — | — | 15,500 N | 6L027 |
| 6206 | 30 | 62 | 16 | NTN | 21,600 N | 1L019 | 21,600 N | 6L028 |
| 6206 | 30 | 62 | 16 | Tritan | 4,390 lbf | 35JA07 | 4,390 lbf | 35JA20 |
| 6207 | 35 | 72 | 17 | NTN | 28,400 N | 1L020 | 28,400 N | 6L029 |
| 6207 | 35 | 72 | 17 | Tritan | 5,800 lbf | 35JA08 | 5,800 lbf | 35JA21 |
| 6208 | 40 | 80 | 18 | NTN | 32,500 N | 1L021 | 32,500 N | 6L030 |
| 6208 | 40 | 80 | 18 | Tritan | 6,500 lbf | 35JA09 | 6,500 lbf | 35JA22 |
| 6209 | 45 | 85 | 19 | NTN | 36,000 N | 1L022 | — | — |
| 6210 | 50 | 90 | 20 | NTN | 39,000 N | 1L023 | 39,000 N | 6L032 |
| 6301 | 12 | 37 | 12 | Tritan | — | — | 2,180 lbf | 35JA54 |
| 6303 | 17 | 47 | 14 | NTN | — | — | 15,000 N | 6L052 |
| 6304 | 20 | 52 | 15 | Tritan | — | — | 3,580 lbf | 35JA57 |
| 6304 | 20 | 52 | 15 | NTN | 17,600 N | 6L036 | 23,500 N | 6L053 |
| 6305 | 25 | 62 | 17 | NTN | 23,500 N | 6L037 | 29,500 N | 6L054 |
| 6306 | 30 | 72 | 19 | Tritan | — | — | 6,000 lbf | 35JA59 |
| 6306 | 30 | 72 | 19 | NTN | 29,500 N | 6L038 | — | — |
| 6307 | 35 | 80 | 21 | Tritan | — | — | 7,500 lbf | 35JA60 |
| 6307 | 35 | 80 | 21 | NTN | 37,000 N | 6L039 | 45,000 N | 6L056 |
| 6308 | 40 | 90 | 23 | NTN | 45,000 N | 6L040 | — | — |
| 6309 | 45 | 100 | 25 | Tritan | 11,900 lbf | 35JA49 | 11,900 lbf | 35JA62 |
| 6309 | 45 | 100 | 25 | NTN | 58,500 N | 6L041 | 68,500 N | 6L058 |
| 6310 | 50 | 110 | 27 | NTN | 68,500 N | 6L042 | — | — |
| 6311 | 55 | 120 | 29 | NTN | 79,500 N | 6L043 | 90,500 N | 6L060 |
| 6312 | 60 | 130 | 31 | NTN | 90,500 N | 6L044 | — | — |
| 6313 | 65 | 140 | 33 | NTN | — | — | 103,000 N | 5U568 |

| R Series | | | | | | | | |
|-------------------------|-----------|--------------|------------------|-----------------------|---------|-------|----------|-------|
| Bearing Industry Number | Bore Dia. | Outside Dia. | Outer Ring Width | Dyn. Radial Load Cap. | Closure | Brand | Item No. | |
| R4 | ¼ in | ¾ in | 0.625 in | NTN | 1,490 N | 5U490 | — | — |
| R6 | ¾ in | 1 ¼ in | 0.281 in | NTN | 3,300 N | 1L004 | 3,300 N | 1L038 |
| R8 | ½ in | 1 ½ in | 0.312 in | NTN | 5,120 N | 1L005 | 5,120 N | 1L039 |
| R12 | ¾ in | 1 ¾ in | 0.437 in | NTN | 6,100 N | 1L007 | 7,920 N | 1L041 |

| Bearing Industry Number | Bore Dia. | Outside Dia. | Outer Ring Width | Dyn. Radial Load Cap. | Closure | Brand | Item No. |
|-------------------------------------|-----------|--------------|------------------|-----------------------|-----------------|-------|----------|
| Special Standard Bore Series | | | | | | | |
| 1623 | ⅝ in | 1 ⅞ in | 0.437 in | 7,750 N | Double Sealed | NTN | 5U491 |
| 6202/16 | 16 mm | 35 mm | 11 mm | 8,600 N | Double Sealed | NTN | 5U534 |
| 6202/16 | 16 mm | 35 mm | 11 mm | 8,600 N | Double Shielded | NTN | 5U536 |
| 6311 | 55 mm | 120 mm | 29 mm | 79,500 N | Open | NTN | 4ZXK4 |
| Special | 12.7 mm | 32 mm | 10 mm | 6,750 N | Double Sealed | NTN | 5U531 |
| Special | 12.7 mm | 32 mm | 10 mm | 6,750 N | Double Shielded | NTN | 5U532 |
| Special | 15.875 mm | 35 mm | 11 mm | 8,600 N | Double Sealed | NTN | 5U533 |
| Special | 15.875 mm | 40 mm | 12 mm | 10,600 N | Double Sealed | NTN | 5U537 |
| Special | 15.875 mm | 40 mm | 12 mm | 10,600 N | Double Shielded | NTN | 1L097 |

35JD05



Food-Grade Radial Ball Bearings

• Stainless steel ring

These bearings can withstand high and low temperatures and washdown conditions. They meet FDA standards for use in food processing facilities.

| Bearing Industry Number | Bore Dia. (mm) | Outside Dia. (mm) | Outer Ring Width (mm) | Dyn. Radial Load Cap. (lbf) | Item No. |
|---|----------------|-------------------|-----------------------|-----------------------------|----------|
| Food-Grade Radial Ball Bearings-Metric | | | | | |
| Double Sealed Closure | | | | | |
| 608 | 8 | 22 | 7 | 740 | 49DD90 |
| 6000 | 10 | 26 | 8 | 1,078 | 35JD05 |
| 6001 | 12 | 28 | 8 | 596 | 35JD06 |
| 6002 | 15 | 32 | 9 | 918 | 35JD07 |
| 6004 | 20 | 42 | 12 | 420 | 35JD09 |
| 6005 | 25 | 47 | 12 | 96 | 35JD10 |
| 6008 | 40 | 68 | 15 | 3,000 | 35JD13 |
| 6200 | 10 | 30 | 9 | 920 | 35JD33 |
| 6201 | 12 | 32 | 10 | 1,224 | 35JD34 |
| 6202 | 15 | 35 | 11 | 1,392 | 35JD35 |
| 6203 | 17 | 40 | 12 | 1,720 | 35JD36 |
| 6204 | 20 | 47 | 14 | 2,304 | 35JD37 |
| 6205 | 25 | 52 | 15 | 2,520 | 35JD38 |
| Double Shielded Closure | | | | | |
| 6203 | 17 | 40 | 12 | 1,720 | 35JD28 |
| 6205 | 25 | 52 | 15 | 2,520 | 35JD30 |

| Bearing Industry Number | Bore Dia. (in) | Outside Dia. (in) | Outer Ring Width (in) | Dyn. Radial Load Cap. (lbf) | Item No. |
|---|----------------|-------------------|-----------------------|-----------------------------|----------|
| Food-Grade Radial Ball Bearings-Standard | | | | | |
| Double Sealed Closure | | | | | |
| 1616 | ½ | 1 ½ | 0.375 | 800 | 35JE18 |
| 1621 | ½ | 1 ¾ | 0.437 | 1,175 | 35JE19 |
| 1623 | ½ | 1 ¾ | 0.437 | 1,175 | 35JE20 |
| 1630 | ¾ | 1 ¾ | 0.5 | 1,625 | 35JE22 |
| R4 | ¼ | ¾ | 0.196 | 268 | 35JE38 |
| R6 | ¾ | 1 ¾ | 0.281 | 4,720 | 35JE39 |
| R8 | ½ | 1 ½ | 0.312 | 4,900 | 35JE40 |
| R10 | ¾ | 1 ¾ | 0.281 | 4,720 | 35JE41 |
| R12 | ¾ | 1 ¾ | 0.437 | 1,467 | 35JE42 |
| R16 | 1 | 2 | 0.5 | 1,669 | 35JE44 |
| Double Shielded Closure | | | | | |
| R8 | ½ | 1 ½ | 0.312 | 4,900 | 35JE31 |

45VA90



Miniature Flanged Ball Bearings

• Stainless steel ring
• Double shielded closure

Resist corrosion and can handle heavy radial loads and moderate thrust loads in both directions. They have a flange that assists with aligning and mounting the bearing to the shaft and reduces bearing slippage. Suitable for use in pharmaceutical and marine applications where bearings are exposed to chemicals and salt water.

| Bearing Industry Number | Bore Dia. | Outside Dia. | Outer Ring Width | Flange Dia. | Flange Thickness | Dyn. Radial Load Cap. | Item No. |
|-------------------------|-----------|--------------|------------------|-------------|------------------|-----------------------|----------|
| 168 | ¼ in | ¾ in | 0.125 in | 0.422 in | 0.036 in | 83.85791 lbf | 45VA86 |
| 188 | ¼ in | ¾ in | 0.187 in | 0.547 in | 0.045 in | 242.8057 lbf | 45VA90 |
| 685 | 5 mm | 11 mm | 5 mm | 12.5 mm | 1 mm | 716 N | 45VA61 |
| R2-5 | ½ in | ¾ in | 0.14 in | 0.359 in | 0.031 in | 125.6744 lbf | 45VA94 |