



| Bore Diameter: d | | Outer Diameter: D | | Flange Diameter: Df | | Radius r _s (min) | | Width: B | | Flange Width: Bf | | Bearing Reference | | | |
|---------------------|--------|----------------------|--------|------------------------|--------|--------------------------------|--------|-------------|--------|---------------------|--------|-------------------|-------------|--------|---------------|
| | | | | | | | | | | | | Open | Flange Open | Shield | Flange Shield |
| mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | | | | |
| 35 | 1.3780 | 44 | 1.7323 | — | — | 0.30 | 0.0118 | 5 | 0.1969 | — | — | 6707 | — | — | — |
| | | 47 | 1.8504 | 50.0 | 1.9685 | 0.30 | 0.0118 | 7 | 0.2756 | 1.5 | 0.0591 | 6807 | F6807 | 6807ZZ | F6807ZZ |
| | | 55 | 2.1654 | 58.0 | 2.2835 | 0.60 | 0.0236 | 10 | 0.3937 | 2.5 | 0.0984 | 6907 | F6907 | 6907ZZ | F6907ZZ |
| 40 | 1.5748 | 50 | 1.9685 | — | — | 0.30 | 0.0118 | 6 | 0.2362 | — | — | 6708 | — | — | — |
| | | 52 | 2.0472 | 55.0 | 2.1654 | 0.30 | 0.0118 | 7 | 0.2756 | 1.5 | 0.0591 | 6808 | F6808 | 6808ZZ | F6808ZZ |
| | | 62 | 2.4409 | 65.0 | 2.5591 | 0.60 | 0.0236 | 12 | 0.4724 | 2.5 | 0.0984 | 6908 | F6908 | 6908ZZ | F6908ZZ |
| 45 | 1.7717 | 55 | 2.1654 | — | — | 0.3 | 0.0118 | 6 | 0.2362 | — | — | 6709 | — | — | — |
| | | 58 | 2.2835 | 61 | 2.4016 | 0.3 | 0.0118 | 7 | 0.2756 | 1.5 | 0.0591 | 6809 | F6809 | 6809ZZ | F6809ZZ |
| | | 68 | 2.6772 | 71 | 2.7953 | 0.6 | 0.0236 | 12 | 0.4724 | 2.5 | 0.0984 | 6909 | F6909 | 6909ZZ | F6909ZZ |
| 50 | 1.9685 | 62 | 2.4409 | — | — | 0.3 | 0.0118 | 6 | 0.2362 | — | — | 6710 | — | — | — |
| | | 65 | 2.5591 | 68 | 2.6772 | 0.3 | 0.0118 | 7 | 0.2756 | 1.5 | 0.0591 | 6810 | F6810 | 6810ZZ | F6810ZZ |
| | | 72 | 2.8346 | 75 | 2.9528 | 0.6 | 0.0236 | 12 | 0.4724 | 2.5 | 0.0984 | 6910 | F6910 | 6910ZZ | F6910ZZ |
| 55 | 2.1654 | 72 | 2.8346 | — | — | 0.3 | 0.0118 | 9 | 0.3543 | — | — | 6811 | — | 6811ZZ | — |
| | | 80 | 3.1496 | — | — | 1.0 | 0.0394 | 13 | 0.5118 | — | — | 6911 | — | 6911ZZ | — |
| 60 | 2.3622 | 78 | 3.0709 | — | — | 0.3 | 0.0118 | 10 | 0.3937 | — | — | 6812 | — | 6812ZZ | — |
| | | 85 | 3.3465 | — | — | 1.0 | 0.0394 | 13 | 0.5118 | — | — | 6912 | — | 6912ZZ | — |
| 65 | 2.5591 | 85 | 3.3465 | — | — | 0.6 | 0.0236 | 10 | 0.3937 | — | — | 6813 | — | 6813ZZ | — |
| | | 90 | 3.5433 | — | — | 1.0 | 0.0394 | 13 | 0.5118 | — | — | 6913 | — | 6913ZZ | — |
| 70 | 2.7559 | 90 | 3.5433 | — | — | 0.6 | 0.0236 | 10 | 0.3937 | — | — | 6814 | — | 6814ZZ | — |
| | | 100 | 3.9370 | — | — | 1.0 | 0.0394 | 16 | 0.6299 | — | — | 6914 | — | 6914ZZ | — |
| 75 | 2.9528 | 95 | 3.7402 | — | — | 0.6 | 0.0236 | 10 | 0.3937 | — | — | 6815 | — | 6815ZZ | — |
| | | 105 | 4.1339 | — | — | 1.0 | 0.0394 | 16 | 0.6299 | — | — | 6915 | — | 6915ZZ | — |
| 80 | 3.1496 | 100 | 3.9370 | — | — | 0.6 | 0.0236 | 10 | 0.3937 | — | — | 6816 | — | 6816ZZ | — |
| | | 110 | 4.3307 | — | — | 1.0 | 0.0394 | 16 | 0.6299 | — | — | 6916 | — | 6916ZZ | — |
| 85 | 3.3465 | 110 | 4.3307 | — | — | 1.0 | 0.0394 | 13 | 0.5118 | — | — | 6817 | — | 6817ZZ | — |
| | | 120 | 4.7244 | — | — | 1.1 | 0.0433 | 18 | 0.7087 | — | — | 6917 | — | 6917ZZ | — |
| 90 | 3.5433 | 115 | 4.5276 | — | — | 1.0 | 0.0394 | 13 | 0.5118 | — | — | 6818 | — | 6818ZZ | — |
| | | 125 | 4.9213 | — | — | 1.1 | 0.0433 | 18 | 0.7087 | — | — | 6918 | — | 6918ZZ | — |

| Seal | | | Load Rating | | Max. Speed | | Cage Type | Ball Complement | | | Weight (Ref.) | |
|------|-----|-----|-------------|--------|------------|------|--------------------|-----------------|---------|--------|---------------|---------------|
| | | | Cr(N) | Cor(N) | Grease | Oil | | Qty.:Z | Size:Dw | | Shield | Flange Shield |
| 2RS | 2RU | TTS | | | x1000rpm | | | pcs. | mm | inch | g | |
| 2RS | — | — | 1866 | 1635 | 4.9 | 6 | W | 26 | 2.000 | 0.0787 | 15.0 | — |
| 2RS | 2RU | — | 4729 | 3821 | 13 | 16 | J,RJ ³⁾ | 19 | 3.500 | 0.1378 | 32.0 | 34.7 |
| 2RS | 2RU | — | 10900 | 7818 | 12 | 14 | RJ | 14 | 5.953 | 0.2344 | 87.0 | 92.2 |
| 2RS | — | — | 2516 | 2233 | 4.3 | 5 | W | 25 | 2.381 | 0.0937 | 23.0 | — |
| 2RS | 2RU | — | 4923 | 4178 | 12 | 14 | J,RJ ³⁾ | 21 | 3.500 | 0.1378 | 35.0 | 38.0 |
| 2RS | 2RU | — | 13678 | 9968 | 11 | 13 | RJ | 14 | 6.747 | 0.2656 | 131 | 137 |
| 2RS | — | — | 2580 | 2397 | 3.9 | 4.6 | W | 27 | 2.381 | 0.0937 | 25.0 | — |
| 2RS | 2RU | — | 6187 | 5381 | 11.0 | 13.0 | J,RJ ³⁾ | 21 | 3.969 | 0.1563 | 42.0 | 45.3 |
| 2RS | 2RU | — | 14100 | 10830 | 9.7 | 11.0 | RJ | 15 | 6.747 | 0.2656 | 147 | 153 |
| 2RS | — | — | 2670 | 2640 | 3.5 | 4.1 | W | 30 | 2.381 | 0.0937 | 64.0 | — |
| 2RS | 2RU | — | 6170 | 5760 | 9.6 | 11.0 | RJ | 23 | 3.969 | 0.1563 | 52.0 | — |
| 2RS | 2RU | — | 14540 | 11710 | 9.0 | 11.0 | RJ | 16 | 6.747 | 0.2656 | 133 | — |
| 2RS | 2RU | — | 8800 | 8100 | 8.7 | 10.0 | RJ | 22 | 4.762 | 0.1875 | 83.0 | — |
| 2RS | — | — | 16600 | 14100 | 8.1 | 9.6 | RJ | 17 | 7.144 | 0.2813 | 185 | — |
| 2RS | — | — | 11500 | 10600 | 8.0 | 9.4 | RJ | 21 | 5.556 | 0.2187 | 104 | — |
| 2RS | — | — | 20200 | 17300 | 7.5 | 8.9 | RJ | 17 | 7.938 | 0.3125 | 192 | — |
| 2RS | — | — | 11900 | 11500 | 7.3 | 8.6 | RJ | 23 | 5.556 | 0.2187 | 126 | — |
| 2RS | — | — | 17400 | 16100 | 7.1 | 8.4 | RJ | 19 | 7.144 | 0.2813 | 211 | — |
| 2RS | — | — | 12100 | 11900 | 6.8 | 8.1 | RJ | 24 | 5.556 | 0.2187 | 134 | — |
| 2RS | — | — | 23700 | 21200 | 6.4 | 7.6 | RJ | 17 | 8.731 | 0.3437 | 342 | — |
| 2RS | — | — | 12500 | 12900 | 6.4 | 7.6 | RJ | 26 | 5.556 | 0.2187 | 142 | — |
| 2RS | — | — | 24400 | 22600 | 6.1 | 7.2 | RJ | 18 | 8.731 | 0.3437 | 363 | — |
| 2RS | 2RU | — | 12700 | 13300 | 6.1 | 7.2 | RJ | 27 | 5.556 | 0.2187 | 150 | — |
| 2RS | — | — | 25000 | 24000 | 5.7 | 6.8 | RJ | 19 | 8.731 | 0.3437 | 382 | — |
| 2RS | — | — | 18700 | 19000 | 5.6 | 6.6 | RJ | 23 | 7.144 | 0.2813 | 266 | — |
| 2RS | — | — | 31900 | 29600 | 5.3 | 6.3 | RJ | 17 | 10.319 | 0.4063 | 535 | — |
| 2RS | — | — | 19000 | 19700 | 5.3 | 6.3 | RJ | 24 | 7.144 | 0.2813 | 279 | — |
| 2RS | — | — | 32800 | 31600 | 5.1 | 6.0 | RJ | 18 | 10.319 | 0.4063 | 565 | — |

1) Bearings also available with single shield or seal : suffix Z, RS, RU or TS
 2) Bearings also available with stainless material : suffix H
 3) SUJ2 bearings use RJ type retainer, stainless bearings use J type retainer.

Technical Dimension