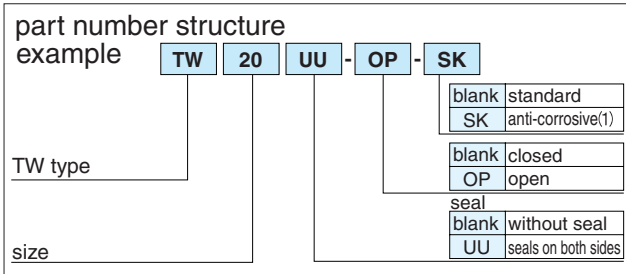


TW TYPE

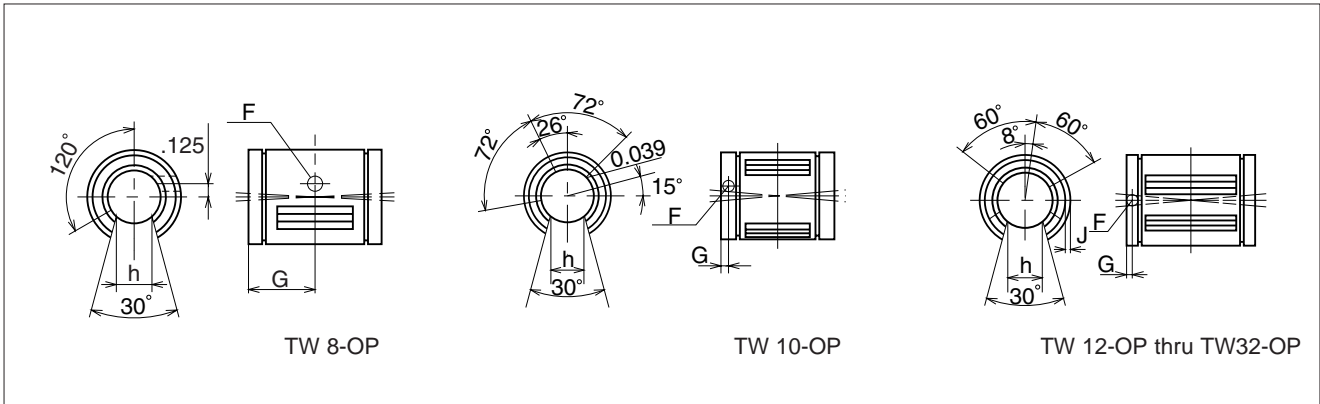
– TOPBALL Inch Type –



| part number | | | | | | major dimensions | | | | |
|-------------|---------------------|----------|---------------------|----------|-----------|------------------|-------------|--------|------------|------------|
| TW | closed type | | open type | | | dr | tolerance* | D | L | |
| | no.of ball circuits | mass lbs | no.of ball circuits | mass lbs | tolerance | | | | inch | tolerance |
| TW 3 | 4 | .004 | — | — | — | .1875 | 0 -.0005 | .3750 | .562 | ±.008 |
| TW 4 | 4 | .009 | — | — | — | .2500 | | .5000 | .750 | 0 |
| TW 6 | 4 | .014 | — | — | — | .3750 | | .6250 | .875 | -.015 |
| TW 8 | 4 | .043 | TW 8-OP | 3 | .033 | .5000 | | .8750 | 1.250 | 0 -.020 |
| TW 10 | 5 | .103 | TW 10-OP | 4 | .083 | .6250 | | 1.1250 | 1.500 | |
| TW 12 | 6 | .123 | TW 12-OP | 5 | .102 | .7500 | | 1.2500 | 1.625 | |
| TW 16 | 6 | .265 | TW 16-OP | 5 | .220 | 1.0000 | 1.5625 | 2.250 | 0 -.025 | |
| TW 20 | 6 | .485 | TW 20-OP | 5 | .419 | 1.2500 | 2.0000 | 2.625 | | |
| TW 24 | 6 | .750 | TW 24-OP | 5 | .639 | 1.5000 | 2.3750 | 3.000 | | 0/-.030 |
| TW 32 | 6 | 1.411 | TW 32-OP | 5 | 1.168 | 2.0000 | 0/-.0008 | 3.0000 | 4.000 | 0/-.040 |

* Based on nominal housing bore.

(1) For anti-corrosion the load plates are electroless nickel plated with Stainless Steel ball elements.



| B | tolerance | W | D ₁ | open type | | | | basic load rating | | nominal shaft diameter |
|-------|------------|-------|----------------|-----------|------|-------|---------|-------------------|-----------|------------------------|
| | | | | h | F | G | J | dynamic C | static Co | |
| inch | inch | inch | inch | inch | inch | inch | inch | lbf | lbf | inch |
| — | — | — | — | — | — | — | — | 35 | 47 | 3/16 |
| .515 | 0 | .0390 | .4687 | — | — | — | — | 60 | 80 | 1/4 |
| .703 | -.015 | .0390 | .5880 | — | — | — | — | 95 | 120 | 3/8 |
| 1.032 | 0 -.020 | .0459 | .8209 | .313 | .136 | .6250 | through | 230 | 290 | 1/2 |
| 1.112 | | .0559 | 1.0590 | .375 | .105 | .1250 | .0390 | 400 | 500 | 5/8 |
| 1.272 | | .0559 | 1.1760 | .438 | .136 | .1250 | .0590 | 470 | 590 | 3/4 |
| 1.886 | | .0679 | 1.4687 | .563 | .136 | .1250 | .0470 | 850 | 1,060 | 1 |
| 2.011 | 0/-.025 | .0679 | 1.8859 | .625 | .201 | .1875 | .0900 | 1,230 | 1,530 | 1-1/4 |
| 2.422 | 0/-.030 | .0859 | 2.2389 | .750 | .201 | .1875 | .0900 | 1,480 | 1,850 | 1-1/2 |
| 3.206 | 0/-.040 | .1029 | 2.8379 | 1.000 | .265 | .3125 | through | 2,430 | 3,040 | 2 |

1 inch = 25.4 mm
 1lbs ≈ 0.454 kg
 1lbf ≈ 4.448 N