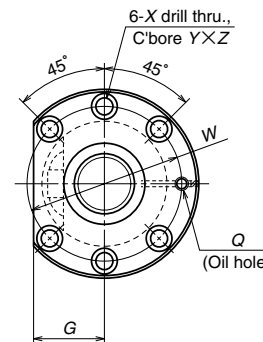


Nut type code: DFT



View X-X

| Ball screw No. | Stroke Max. L _r -L _n | Screw shaft dia. d ₁ | Lead l | Ball dia. D _w | Ball circle dia. d _m | Root dia. d _r | Effective ball turns × Circuits | Basic load rating (N) | | Preload (N) | Dynamic friction torque median (N·cm) | Nut | | | | |
|------------------|---|------------------------------------|-----------|-----------------------------|------------------------------------|-----------------------------|---------------------------------------|------------------------|------------------------|-------------|---------------------------------------|-------------------|-----|----|----|----------------------------------|
| | | | | | | | | Dynamic C _B | Static C _{0a} | | | Flange | | | | Overall length L _n |
| | | | | | | | | | | | | Outside dia. D | A | G | B | |
| W3205SS-2D-C5Z10 | 310 | 32 | 10 | 6.350 | 33 | 26.4 | 2.5×2 | 46300 | 108000 | 3240 | 83 | 74 | 108 | 41 | 15 | 190 |
| W3207SS-2D-C5Z10 | 510 | | | | | | | | | | | | | | | |
| W3210SS-5D-C5Z10 | 810 | | | | | | | | | | | | | | | |
| W3214SS-2D-C5Z10 | 1210 | | | | | | | | | | | | | | | |
| W3218SS-2D-C5Z10 | 1610 | | | | | | | | | | | | | | | |
| W3607SS-2D-C5Z10 | 507 | 36 | 10 | 6.350 | 37 | 30.4 | 2.5×2 | 49300 | 123000 | 3430 | 93 | 75 | 120 | 45 | 18 | 193 |
| W3612SS-2D-C5Z10 | 1007 | | | | | | | | | | | | | | | |
| W3620SS-2D-C5Z10 | 1807 | | | | | | | | | | | | | | | |

Remarks: 1. NSK support unit is recommended.

2. Only rust preventive agent is applied at time of delivery. Please apply lubricant (oil or grease) before use.

3. Permissible rotational speed is determined by a d · n value and a critical speed. See page B509.

| dimensions | | | | Screw shaft dimensions | | | | Lead accuracy | | | Run out | | | Mass (Kg) | Permissible rotational speed N(min ⁻¹) | | | |
|------------|----|---------------|-----------------------------------|------------------------|------|-----------------|----------------|--------------------------|-----------------------------|-----------------------------|-------------------------|----------------------------|------------------------------|-----------|--|----------------|----------------|----------------|
| Bolt hole | | Oil hole Q | Threaded length L ₁ | Shaft end, right | | Shaft end, left | | Travel compensation T | Deviation e _p | Variation v _u | Shaft straightness I | Nut O.D. eccentricity J | Flange perpendicularity K | | | | | |
| W | X | | | Y | Z | L ₁ | L ₂ | | | | | | | | | d ₃ | L ₃ | L ₀ |
| 90 | 9 | 14 | 8.5 | M6×1 | 32.3 | 60 | 250 | 100 | 850 | -0.012 | 0.027 | 0.020 | 0.075 | 0.019 | 0.013 | 9.5 | | |
| | | | | | | | 700 | 100 | 1050 | -0.017 | 0.035 | 0.025 | 0.090 | | | 10.6 | | |
| | | | | | | | 1000 | 300 | 26.4 | 100 | 1400 | -0.024 | 0.040 | | | 0.027 | 0.120 | 12.5 |
| | | | | | | | 1400 | 350 | 120 | 1870 | -0.034 | 0.054 | 0.035 | | | 0.150 | 15.1 | |
| | | | | | | | 1800 | 350 | 120 | 2270 | -0.043 | 0.065 | 0.040 | | | 0.200 | 17.2 | |
| 98 | 11 | 17.5 | 11 | M6×1 | 36.3 | 60 | 300 | 100 | 1100 | -0.017 | 0.035 | 0.025 | 0.065 | 0.019 | 0.013 | 12.8 | | |
| | | | | | | | 1200 | 350 | 30.4 | 120 | 1670 | -0.029 | 0.046 | | | 0.030 | 0.100 | 16.8 |
| | | | | | | | 2000 | 350 | 120 | 2470 | -0.048 | 0.065 | 0.040 | | | 0.130 | 22.3 | |

Unit: mm