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BALLSCREW
Super Z



Feature /

New series have optimized return path for type of return tube design and the recirculation component design can improve ball screw speed and reduce noise, and effectively increase the service life of the ball screw.

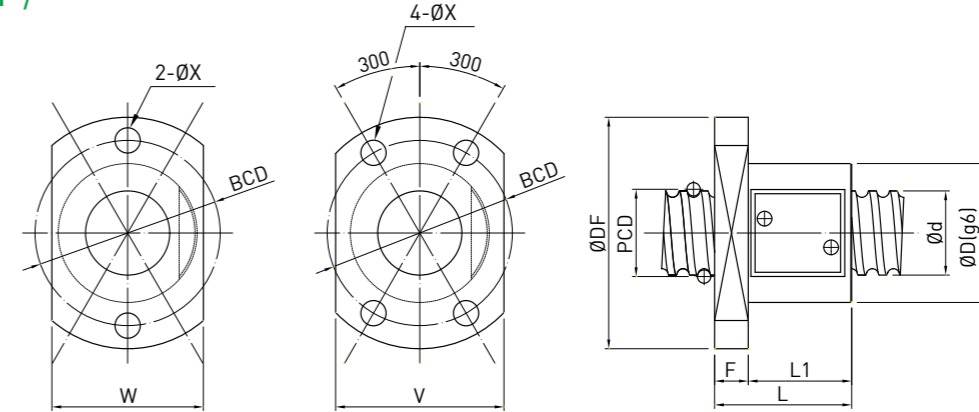
- Compact Design : Nut diameter 15~30% smaller
- Smooth : Drag torque variation 20~30% lower
- Long Service Life : Dynamic loading 20~30% higher
- High Speed & High Acceleration/Deceleration : Dm-N value 160,000. MAX. acceleration 1.5G
- Accuracy : C0~C10

Application Field /

Semiconductor / Measurement equipment / Medical equipment / Liquid crystal FPD / Robot / General industrial machinery / Special environment machinery / Processing machinery / Industrial Electronics



Specification /



Precision Ground Ballscrews

| Shaft Dia. | Lead | Ball size | PCD | Number of Circuit | Dynamic Ca N | Static Coa N | Nut Dimension | | | | | | | | |
|------------|------|-----------|-------|-------------------|--------------|--------------|---------------|----|----|----|---|----|----|-----|-----|
| | | | | | | | D | DF | L | L1 | F | W | V | BCD | X |
| 6 | 2 | 1.5 | 6.2 | 2.6x1 | 2200 | 3300 | 13.5 | 28 | 20 | 16 | 4 | 16 | 17 | 21 | 3.4 |
| 8 | 2 | 1.5 | 8.2 | 2.6x1 | 2500 | 4500 | 16 | 31 | 16 | 12 | 4 | 18 | 18 | 24 | 3.4 |
| 9 | 3 | 2 | 9.2 | 4.6x1 | 6100 | 11700 | 20 | 38 | 29 | 23 | 6 | 22 | 29 | 29 | 4.5 |
| 10 | 3.6 | 2.381 | 10.25 | 4.6x1 | 8000 | 15200 | 25 | 46 | 32 | 26 | 6 | 28 | 28 | 36 | 5.5 |
| 12 | 4 | 2.381 | 12.25 | 2.6x1 | 5600 | 10800 | 22.5 | 40 | 25 | 20 | 5 | 22 | 24 | 32 | 4.5 |
| 12 | 4 | 2.381 | 12.25 | 3.6x1 | 7400 | 14900 | 22.5 | 40 | 29 | 24 | 5 | 22 | 24 | 32 | 4.5 |
| 14 | 4 | 2.381 | 14.25 | 2.6x1 | 5900 | 12300 | 24.5 | 46 | 24 | 18 | 6 | 26 | 27 | 35 | 5.5 |
| 14 | 4 | 2.381 | 14.25 | 3.6x1 | 7800 | 17000 | 24.5 | 46 | 28 | 22 | 6 | 26 | 27 | 35 | 5.5 |
| 16 | 2 | 1.5 | 16.2 | 2.6x1 | 3300 | 9200 | 23.5 | 45 | 20 | 14 | 6 | 26 | 27 | 34 | 5.5 |

Rolled Ballscrews

| Shaft Dia. | Lead | Ball size | PCD | Number of Circuit | Dynamic Ca N | Static Coa N | Nut Dimension | | | | | | | | |
|------------|------|-----------|--------|-------------------|--------------|--------------|---------------|----|----|----|---|----|----|-----|-----|
| | | | | | | | D | DF | L | L1 | F | W | V | BCD | X |
| 6 | 2 | 1.5 | 6.79 | 2.6x1 | 2000 | 3300 | 13.5 | 28 | 20 | 16 | 4 | 16 | 17 | 21 | 3.4 |
| 8 | 2 | 1.5 | 7.98 | 2.6x1 | 2200 | 3800 | 15.5 | 30 | 16 | 12 | 4 | 18 | 18 | 23 | 3.4 |
| 8 | 2 | 1.5 | 7.98 | 3.6x1 | 2800 | 5300 | 15.5 | 30 | 18 | 16 | 4 | 18 | 18 | 23 | 3.4 |
| 10 | 2 | 1.5 | 9.91 | 2.6x1 | 2500 | 4900 | 17 | 34 | 20 | 15 | 5 | 19 | 21 | 26 | 4.5 |
| 10 | 2.5 | 2 | 10.2 | 2.6x1 | 3600 | 6800 | 20 | 37 | 20 | 15 | 5 | 21 | 22 | 29 | 4.5 |
| 12 | 2 | 1.5 | 11.97 | 2.6x1 | 2700 | 6200 | 19.5 | 37 | 18 | 13 | 5 | 22 | 24 | 29 | 4.5 |
| 12 | 2 | 1.5 | 11.97 | 3.6x1 | 3600 | 8500 | 19.5 | 37 | 20 | 15 | 5 | 22 | 24 | 29 | 4.5 |
| 12 | 4 | 2.381 | 12.25 | 2.6x1 | 5000 | 9700 | 22.5 | 40 | 25 | 20 | 5 | 22 | 24 | 32 | 4.5 |
| 12 | 4 | 2.381 | 12.25 | 3.6x1 | 6600 | 13400 | 22.5 | 40 | 29 | 24 | 5 | 22 | 24 | 32 | 4.5 |
| 12 | 5 | 2.381 | 12.1 | 2.6x1 | 5000 | 9600 | 22.5 | 40 | 30 | 24 | 6 | 27 | 27 | 32 | 4.5 |
| 12 | 5 | 2 | 12.01 | 4.6x1 | 6500 | 14500 | 20 | 38 | 37 | 31 | 6 | 24 | 24 | 29 | 4.5 |
| 14 | 2 | 1.5 | 14.03 | 4.6x1 | 4700 | 12800 | 22 | 43 | 24 | 18 | 6 | 24 | 26 | 33 | 5.5 |
| 14 | 4 | 2.381 | 14.27 | 2.6x1 | 5300 | 11000 | 24.5 | 46 | 24 | 18 | 6 | 26 | 27 | 35 | 5.5 |
| 14 | 4 | 2.381 | 14.27 | 3.6x1 | 7100 | 15300 | 24.5 | 46 | 28 | 22 | 6 | 26 | 27 | 35 | 5.5 |
| 16 | 4 | 2.381 | 15.685 | 2.6x1 | 5600 | 12300 | 26 | 47 | 34 | 28 | 6 | 28 | 28 | 37 | 5.5 |
| 16 | 5 | 3.175 | 16.17 | 2.6x1 | 8400 | 17200 | 28 | 49 | 29 | 23 | 6 | 30 | 30 | 38 | 5.5 |
| 16 | 5 | 3.175 | 16.17 | 3.6x1 | 11200 | 23800 | 28 | 49 | 34 | 28 | 6 | 30 | 30 | 38 | 5.5 |
| 20 | 5 | 3.175 | 20.2 | 2.6x1 | 9500 | 21900 | 32.5 | 53 | 29 | 23 | 6 | 34 | 34 | 43 | 5.5 |
| 20 | 5 | 3.175 | 20.2 | 3.6x1 | 12500 | 30400 | 32.5 | 53 | 34 | 28 | 6 | 34 | 34 | 43 | 5.5 |