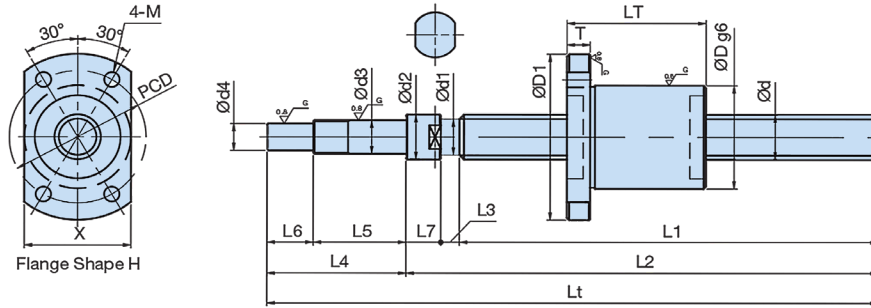


D-Series: Compact, High Precision Positioning Deflector Method

Applications: XYθ Stages, Robotic Assisted Surgical Equipment, Semiconductor



Ordering Example: **D-Series**

| Series | Screw Shaft Dia | Shaft Lead | # of Circuits | Nut Type | Flange Type | Ball Return System | Wiper Material | Thread Direction | Overall Screw Shaft Length | Shaft End type | Thread Length | Accuracy Grade | Axial Clearance |
|-----------|-----------------|------------|---------------|----------|-------------|--------------------|----------------|------------------|----------------------------|----------------|---------------|----------------|-----------------|
| DP | 08 | 01 | J | S | H | D | N | R | 0183 | X | 0126 | C3 | S |
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ⑩ | ⑪ | ⑫ | ⑬ | ⑭ |

Shaft Dimensions: DP Series (C1 or C3 GROUND Thread Accuracy)

| Model No. | Accuracy Grade | Shaft diameter d | Lead (mm) | Root diameter d1 | Circuit & turn | Axial clearance | Basic dynamic load rating (N) | Basic static load rating (N) | Shaft dimensions | | | | | | | | | | |
|---------------------------|----------------|------------------|-----------|------------------|----------------|-------------------------------|-------------------------------|------------------------------|------------------|----|-----------------------|---------|----------------------|------------|----|------|----|-----|-----|
| | | | | | | | | | Shoulder | | Thread Length L1 (mm) | L2 (mm) | Total Length Lt (mm) | Shaft Ends | | | | | |
| | | | | | | | | | d2 | L7 | | | | L3 | L4 | L5 | d3 | L6 | d4 |
| DP0601JS-HDNR-□□□□B-C1F/S | 1 | 6 | 1 | --- | 1×3 | F:Max 0.005mm S: Max 0.0mm | 550 | 1150 | 9.5 | 7 | 90 | 100 | 130 | 3 | 30 | 22.5 | 6 | 7.5 | 4.5 |
| DP0601JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP0601JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP0601JS-HDNR-□□□□B-C3F/S | 3 | 6 | 1 | --- | 1×3 | F:Max 0.005mm S: Max 0.0mm | 550 | 1150 | 9.5 | 7 | 170 | 180 | 210 | 3 | 30 | 22.5 | 6 | 7.5 | 4.5 |
| DP0801JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP0801JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP0801JS-HDNR-□□□□B-C1F/S | 1 | 8 | 1 | 7.3 | 1×3 | F:Max 0.005mm S: Max 0.0mm | 650 | 1600 | 11.5 | 8 | 132 | 143 | 180 | 3 | 37 | 27 | 8 | 10 | 6 |
| DP0801JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP0801JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP0801JS-HDNR-□□□□B-C3F/S | 3 | 8 | 1 | 7.3 | 1×3 | F:Max 0.005mm S: Max 0.0mm | 650 | 1600 | 11.5 | 8 | 132 | 143 | 180 | 3 | 37 | 27 | 8 | 10 | 6 |
| DP0802JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP0802JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP0802JS-HDNR-□□□□B-C1F/S | 1 | 8 | 2 | 7 | 1×3 | F:Max 0.005mm S: Max 0.0mm | 1350 | 2300 | 11.5 | 8 | 132 | 143 | 180 | 3 | 37 | 27 | 8 | 10 | 6 |
| DP0802JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP0802JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP0802JS-HDNR-□□□□B-C3F/S | 3 | 8 | 2 | 7 | 1×3 | F:Max 0.005mm S: Max 0.0mm | 1350 | 2300 | 11.5 | 8 | 132 | 143 | 180 | 3 | 37 | 27 | 8 | 10 | 6 |
| DP1002JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP1002JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP1002JS-HDNR-□□□□B-C1F/S | 1 | 10 | 2 | 9 | 1×3 | F:Max 0.005mm S: Max 0.0mm | 1550 | 3000 | 11.5 | 8 | 172 | 183 | 220 | 3 | 45 | 30 | 10 | 15 | 8 |
| DP1002JS-HDNR-□□□□B-C1F/S | | | | | | | | | | | | | | | | | | | |
| DP1002JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP1002JS-HDNR-□□□□B-C3F/S | 3 | 10 | 2 | 9 | 1×3 | F:Max 0.005mm S: Max 0.0mm | 1550 | 3000 | 11.5 | 8 | 172 | 183 | 220 | 3 | 45 | 30 | 10 | 15 | 8 |
| DP1002JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP1002JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP1202JS-HDNR-□□□□B-C3F/S | 1 | 12 | 2 | 11 | 1×3 | F:Max 0.005mm S: Max 0.0mm | 1650 | 3600 | 14 | 10 | 242 | 255 | 300 | 3 | 45 | 30 | 10 | 15 | 8 |
| DP1202JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP1202JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP1202JS-HDNR-□□□□B-C3F/S | 3 | 12 | 3 | 10.3 | 1×3 | F:Max 0.005mm S: Max 0.0mm | 3450 | 6100 | 14 | 10 | 240 | 255 | 300 | 5 | 45 | 30 | 10 | 15 | 8 |
| DP1203JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP1203JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP1203JS-HDNR-□□□□B-C3F/S | 3 | 14 | 4 | 12.1 | 1×3 | F:Max 0.005mm S: Max 0.0mm | 4600 | 8600 | 15 | 10 | 270 | 285 | 330 | 5 | 45 | 30 | 12 | 15 | 10 |
| DP1404JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |
| DP1404JS-HDNR-□□□□B-C3F/S | | | | | | | | | | | | | | | | | | | |

Wiper Material N: No wiper, P: Plastic

Nut Dimensions: DP Series (C1 or C3 GROUND Thread Accuracy)

| Model No. | Nut dimensions | | | | | | | | | |
|---------------------------|--------------------|------|--------|----|----|-------|--------|---------------|-------|----------|
| | Body diameter (mm) | LT | Flange | | | | | Configuration | Wiper | Oil hole |
| | | | T | D1 | X | PCD P | Bolt M | | | |
| DP0601JS-HDNR-□□□□B-C1F/S | 10 | 14.5 | 3.5 | 22 | 14 | 16 | M3 | H | N | N/A |
| DP0601JS-HDNR-□□□□B-C3F/S | | | | | | | | | | |
| DP0801JS-HDNR-□□□□B-C1F/S | 12 | 15 | 4 | 25 | 16 | 19 | M3 | | N | N/A |
| DP0801JS-HDNR-□□□□B-C3F/S | | | | | | | | | | |
| DP0802JS-HDNR-□□□□B-C1F/S | 14 | 21 | 4 | 27 | 17 | 21 | M3 | | N | N/A |
| DP0802JS-HDNR-□□□□B-C3F/S | | | | | | | | | | |
| DP1002JS-HDNR-□□□□B-C1F/S | 16 | 22 | 5 | 33 | 21 | 25 | M4 | | N | N/A |
| DP1002JS-HDNR-□□□□B-C3F/S | | | | | | | | | | |
| DP1202JS-HDNR-□□□□B-C3F/S | 18 | 22 | 5 | 35 | 22 | 27 | M4 | | N | N/A |
| DP1202JS-HDNR-□□□□B-C3F/S | | | | | | | | | | |
| DP1203JS-HDNR-□□□□B-C3F/S | 21 | 36 | 5 | 38 | 23 | 30 | M4 | P | N/A | |
| DP1203JS-HDNR-□□□□B-C3F/S | | | | | | | | | | |
| DP1404JS-HDNR-□□□□B-C3F/S | 26 | 40 | 10 | 45 | 29 | 35 | M4 | 9 | M6 | |
| DP1404JS-HDNR-□□□□B-C3F/S | | | | | | | | | | |