

HP series Ultra low backlash gearheads

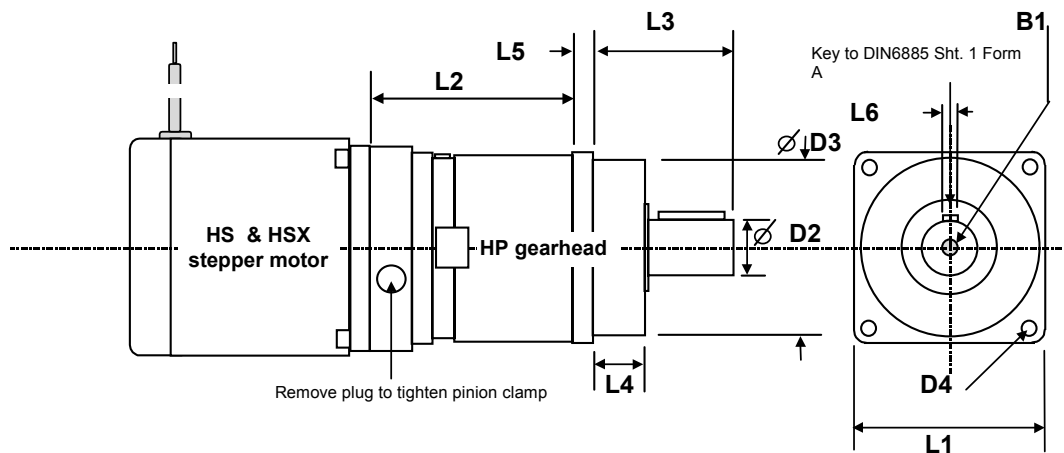
HP precision planetary gearboxes are the optimum choice where high accuracy positioning is needed in applications that require high torque or those which involve the movement of high inertia loads. The combination of low backlash, high strength with the ability to withstand emergency torque loads 250% of the quoted maximum values, and a service life in excess of 20,000 hours make HP series gearboxes the ideal choice where long life and precise control is required.



dimensions: mm

dimension	HP60-S	HP60-D	HP75-S	HP75-D	HP100-D
L 1	62		76		101
L 2	74	102	91	118	132
L 3	48		56		88
L 4	18		18		28
L 5	6		7		10
L 6	5 x 25 long		6 x 32 long		10 x 50 long
D 2	16 k6		22 k6		32 k6
D 3	60 g6		70 g6		90 g6
D 4	4 x 5.5 on 68 mm PCD		4 x 6.6 on 85 mm PCD		4 x 9 on 120 mm PCD
B 1	M5 x 12.5deep		M8 x 19deep		M12 x 28 deep

Outline



HP high torque series

	HPS60	HPD60	HPS75	HPD75	HPD100
max. backlash*	6 arc minutes	8 arc minutes	6 arc minutes	8 arc minutes	6 arc minutes
ratio options	maximum torque		maximum torque		max. torque
4:1 5:1 7:1 10:1	40 Nm 32 Nm		100 Nm 80 Nm		
16:1 20:1 28:1 40:1 50:1 70:1 100:1		40 Nm 32 Nm		100 Nm 80 Nm	250 Nm 200 Nm
suitable motors	23HS-309 Mk2 23HSX-306 34HS series 34HSX series	23HS-309 Mk2 23HSX-306 34HS series 34HSX series	34HS-209 Mk2 34HSX 208 34HSX-312	34HS-209 Mk2 34HSX-208 34HSX-312	34HSX-312

Note: Reduced backlash versions are available to special order