



Materials & Finishes

Couplings: Nylon type engineering polymer

Fasteners: Stainless Steel

General description

Unique coupling design gives excellent combination of radial flexibility with torsional stiffness.

Where to use

Encoders, tachogenerators, small pumps, motors and drives.

Speeds

Up to 10000 rpm

Temperature range

-20 °C to +150 °C

Peak torque largest size

25 Nm

Electrically isolating

Yes

Standard bores

3mm to 12.7mm

Connection

Clamp or Set Screw

Dimensions & Order Codes

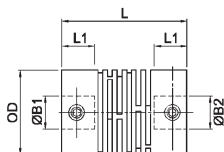
PART NUMBER		Coupling Size	Dimensions				
Set Screw Style	Clamp Style		ØD	O/A Length L	Max Shaft Depth L1	Min Bore	Max Bore
HPC636.13.----	-	13	13	18	5.0	3	6.35
-	HPC637.13.----						
HPC636.19.----	-	19	19	28	8.0	3	9.53
-	HPC637.19.----						
HPC636.25.----	-	25	25	36	10.0	6	12.7
-	HPC637.25.----						

Order codes: Please combine the coupling part number in the above table with the bore reference in the standard bores table (see page 3.59).

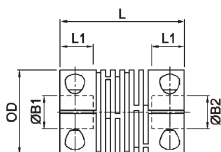
Please identify both bores to complete the part number eg. HPC636.13. 14 24

Part Number ØB1 ØB2

Set screw hubs



Clamp hubs



Performance

Coupling Size	Peak Torque (Nm)	Torsional Stiffness (Nm/rad)	Max misalignment / displacement		
			Angular deg	Radial mm	Axial mm
13	0.25	5.5	3	0.15	0.2
19	0.8	12.0	4	0.15	0.2
25	2.5	18.0	5	0.3	0.3

DISCOUNTS

1 - 19	20-39	40-59	60-99	100 +
List Price	-15%	-20%	-25%	-30%

PART NUMBER		Fasteners				Mass Kg x 10 ⁻³	PRICE EACH 1-19
Set Screw Hubs	Clamp Hubs	Set Screw	Cap Screw	Torque (Ncm)	A/F (mm)		
HPC636.13.----	-	M2	-	0.08	0.9	3.0	£18.88
-	HPC637.13.----	-	M2	0.23	1.5		£24.03
HPC636.19.----	-	M3	-	0.32	1.5	7.5	£21.01
-	HPC637.19.----	-	M2.5	0.51	2.0		£28.65
HPC636.25.----	-	M4	-	1.05	2.0	17.4	£25.42
-	HPC637.25.----	-	M3	0.90	2.5		£34.52

Standard Bores

Coupling Size	Bore Size + 0.05 / - 0 mm													
	3	3.175	4	4.763	5	6	6.350	7.938	8	9.525	10	12	12.7	
13	●	●	●	●	●	●	●							
19			●	●	●	●	●	●	●	●				
25						●		●	●	●	●	●	●	●
Bore ref.	14	16	18	19	20	22	24	27	28	31	32	35	36	