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

Peak torque largest size
25 Nm

Standard bores
3mm to 12.7mm

Temperature range
-20˚C to +150˚C

Electrically isolating
Yes

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
HPC636.19.----	-	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. HPC636.19. 18 18
Part Number ØB1 ØB2

Unit 14, Foxwood Industrial Park, Foxwood Rd. Chesterfield, Derbyshire S41 9RN
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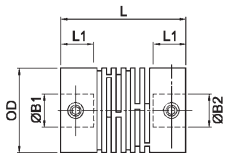
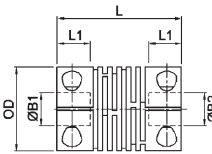
Set screw hubs



Clamp hubs



Performance

Coupling Size	Peak Torque (Nm)	Torsional Stiffness (Nm/rad)	Max misalignment / displacement		
			Angular deg	Radial mm	Axial mm
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)		
HPC636.19.----	-	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
19			●	●	●	●	●	●	●	●			
25						●		●	●	●	●	●	●
Bore ref.	14	16	18	19	20	22	24	27	28	31	32	35	36