

**Materials & Finishes**

Couplings: Aluminium L 168 or better

Fasteners: Alloy steel, black oiled

General description

More flexible than Multi-Beam but less torsional rigidity.

Where to use

Stepper drives, encoders, general purpose light duty power transmission applications.

Speeds

Up to 5000 rpm in standard form.

Peak torque largest size

30 Nm

Standard bores

3mm to 26mm

Temperature range

-40 °C to +120 °C

Electrically isolating

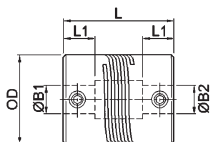
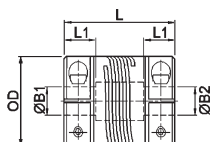
Aluminium No
Stainless Steel

Connection

Clamp or Set Screw

Material

Aluminium

Couplings**Single Beam***Set screw hubs**Clamp hubs***Couplings Single Beam****Performance**

Coupling Size	Peak Torque (Nm)	Max misalignment compensation			Nominal stiffness at std. bore size	
		Angular deg	Radial mm	Axial mm	Bore	Torsional (Nm/rad)
16	0.6	5	0.25	0.25	5	6
19	1.1	5	0.25	0.25	6	12
25	2.2	5	0.25	0.25	10	17
32	4.1	5	0.25	0.25	12	32
38	10	5	0.25	0.25	16	70
50	15	5	0.25	0.25	20	119



Couplings

Material

Single Beam

Aluminium

Dimensions & Order Codes

Couplings Single Beam

PART NUMBER		Coupling	Dimensions					
Set Screw Style	Clamp Style		Size	ØD	L	L1	Min B1	Min B2
HPC826.16.----	-	16	15.9	20	6.0	3	4	6.35
-	HPC827.16.----			22	6.5			
HPC826.19.----	-	19	19.1	20	6.0	4	4.76	8
-	HPC827.19.----			28	8.0			
HPC826.25.----	-	25	25.4	24	7.5	5	6	10
-	HPC827.25.----			30	10.0			
HPC826.32.----	-	32	31.8	30	10.0	6	8	16
-	HPC827.32.----			38	12.0			
HPC826.38.----	-	38	38.1	50	16.0	8	12	19
-	HPC827.38.----			50	16.0			
HPC826.50.----	-	50	50.8	54	18.0	10	16	26
-	HPC827.50.----			54	18.0			

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

Please identify both bores to complete the part number eg. HPC826.16. 14 24

Part Number ØB1 ØB2

Standard Bores

Coupling Size	Bore Size + 0.03 / - 0 mm										
	3	3.175	4	4.763	5	6	6.350	7.938	8	9	9.525
16	●	●	●	●	●	●	●				
19			●	●	●	●	●		●		
25					●	●	●	●	●	●	●
32						●	●	●	●	●	●
38											●
50											
Bore ref.	14	16	18	19	20	22	24	27	28	30	31

● B1 only

● B1 & B2

3.56



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Material

Aluminium

Couplings

Single Beam

DISCOUNTS

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

PART NUMBER		Fasteners				Mass Kg $\times 10^{-3}$	PRICE EACH 1-19
Set Screw Hubs	Clamp Hubs	Set Screw	Cap Screw	Torque (Nm)	A/F (mm)		
HPC826.16.----	-	M4	-	2.27	2.0	8.8	£26.77
-	HPC827.16.----	-	M2.5	1.32	2.0	9.8	£35.56
HPC826.19.----	-	M4	-	2.27	2.0	13.1	£27.70
-	HPC827.19.----	-	M2.5	1.32	2.0	17.3	£37.79
HPC826.25.----	-	M5	-	4.62	2.5	28	£33.54
-	HPC827.25.----	-	M3	2.43	2.5	33	£45.54
HPC826.32.----	-	M6	-	7.61	3.0	55	£56.56
-	HPC827.32.----	-	M4	5.66	3.0	67	£73.03
HPC826.38.----	-	M6	-	7.61	3.0	127	£74.26
-	HPC827.38.----	-	M5	11.40	4.0	130	£101.26
HPC826.50.----	-	M8	-	18.36	4.0	241	£157.22
-	HPC827.50.----	-	M6	19.34	5.0	237	£227.15

Couplings Single Beam

Bore Size Coupling Size	+ 0.03 / - 0 mm										
	10	12	12.7	14	15	15.875	16	19.050	20	24	25
16											
19											
25	●										
32	●	●	●	●	●	●					
38	●	●	●	●	●	●	●				
50			●	●	●	●	●	●	●	●	●
<i>Bore ref.</i>	32	35	36	38	40	41	42	47	48	52	53

