

Couplings

Sliding Disc (Oldham) Stainless Steel



Materials & Finishes

Hubs:	<i>Stainless Steel 303 S31 - Natural Finish</i>
Fasteners:	<i>Stainless Steel</i>
Discs:	<i>Torque disc details on page 3.27</i>
Temp. Range:	<i>-20° C to +60° C</i>
Max. Rotational Speed	<i>3000 rev/min</i>

Performance (At 20° C With Standard Acetal Disc)

Coupling Size	Peak Torque (Nm)	Max compensation @ 3000 r.p.m.		
		Angular deg	Radial mm	Axial +/- mm
25	4	0.5	0.2	0.1
33	9		0.2	0.15
41	17		0.25	0.15
50	30		0.25	0.12

Dimensions & Order Codes

PART NUMBER		Coupling Type & Size	ØD	L	L1	L2	ØB1 Max	Mi	M
Set Screw Style	Clamp Style								
HPC850H25.--	-	25	25.4	32.4	11.6	9.2	12.0	587	76
-	HPC852H25.--								
HPC850H33.--	-	33	33.3	42.0	15.0	12.0	16.0	2091	165
-	HPC852H33.--								
HPC850H41.--	-	41	41.3	50.8	17.8	15.3	20.0	6822	305
-	HPC852H41.--								
HPC850H50.--	-	50	50.0	59.6	20.6	20.6	25.4	17368	510
-	HPC852H50.--								

Order codes: Please combine the coupling part number in the above table with the bore reference in the standard bores table (see pages 3.32 & 3.33).

Please note that the hubs and discs are sold separately, i.e. :

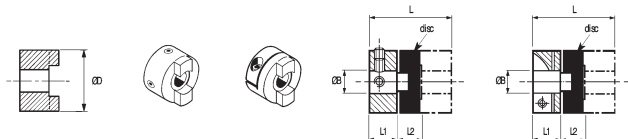
- HPC850H25.22 - Hub with 6mm bore
- HPC850H25.35 - Hub with 12mm bore
- HPC236.25 - Black Acetal Disc

To order a complete coupling you must order TWO hubs and ONE disc.

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Thro' hubs



Thro' bores allow disc replacement without disturbing shaft alignment

Set screw style

Clamp style

Ref. HPC850

Set screw style

Ref. HPC852

Clamp style

Coupling Size	Torsional		Static break torque (Nm)
	Rate deg / Nm	Stiffness Nm/ Rad	
25	0.28	205	13
33	0.093	615	53
41	0.048	1200	57
50	0.042	1375	95

DISCOUNTS	1 - 5	6-19	20-39	40-59	60-99	100 +
	List Price		-12%	-25%	-33%	-37%

Fasteners			PRICE EACH 1-5	Acetal (black) Std.	PRICE EACH 1-5	Nylon 11 (Natural)	PRICE EACH 1-5
Size	Torque (Nm)	A/F (mm)					
M5	2.1	2.5	£25.78	HPC236.25	£2.80	HPC238.25	£3.46
M3	1.2	2.5	£28.04				
M6	3.8	3.0	£38.63	HPC836.33	£4.16	HPC838.33	£5.03
M4	2.9	3.0	£40.86				
M6	3.8	3.0	£43.01	HPC236.41	£5.93	HPC238.41	£7.72
M5	5.9	4.0	£43.43				
M8	9.0	4.0	£52.93	HPC236.50	£13.32	N/A	N/A
M6	9.8	5.0	£80.86				

Mi: Moment of inertia $\text{kgm}^2 \times 10^{-8}$

M: Mass kg $\times 10^{-3}$

