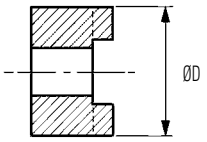
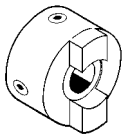
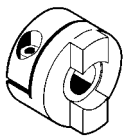
Aluminium Thro' Hubs



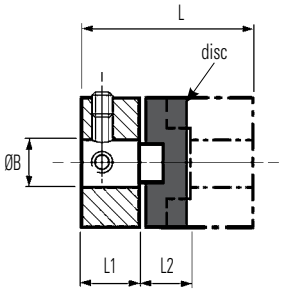
Thro' bores allow disc replacement without disturbing shaft alignment



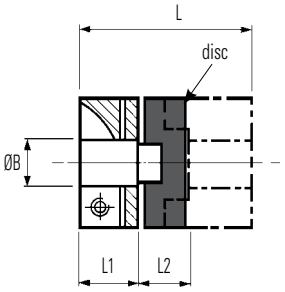
Set screw style



Clamp style



Refs. 450
Set screw style



Refs. 452
Clamp style

DIMENSIONS & ORDER CODES

Coupling Type and Size		Hub Ref		Dimensions							Fasteners			Disc Ref	
		Set Screw Style	Clamp Style	ØD mm	L mm	① L1 mm	② L2 mm	ØB1 Max mm	④ Moment of Inertia kgm2 x10-8	④ Mass kg x10-3	Size	③ Torque Nm	Wrench mm	Acetal (black) Std.	Nylon 11 (Natural)
Thro' Hubs	13	450H13	-	12.7	15.9	5.5	1.7	6.35	20	10	M3	0.9	1.5	236.13	238.13
	19	450H19 -	- 452H19	19.1	26.0	9.4	7.2	8	59	13	M4 M2.5	2.2 1.3	2.0 2.0	236.19	238.19
	25	450H25 -	- 452H25	25.4	32.4	11.6	9.2	12	252	31	M5 M3	4.6 2.4	2.5 2.5	236.25	238.25
	33	450H33 -	- 452H33	33.3	42.0	15.0	12.0	16	1080	67	M6 M4	7.6 5.6	3.0 3.0	836.33	838.33
	41	450H41 -	- 452H41	41.3	50.8	17.8	15.3	20	3177	142	M6 M4	7.6 5.6	3.0 3.0	236.41	238.41
	50	450H50 -	- 452H50	50.0	59.6	20.6	18.4	25.4	7550	208	M8 M5	18.3 11.4	4.0 4.0	236.50	-
	57	450H57 -	- 452H57	57.1	78.0	28.4	21.2	30	12410	361	M8 M6	18.3 19.3	4.0 5.0	236.57	-

PERFORMANCE (AT 20°C WITH STANDARD ACETAL DISC)

Coupling Size	⑤ Peak torque Nm	⑥ Max compensation @ 3000 rpm			⑦ Torsional		Static break torque Nm
		Angular deg	Radial mm	Axial ± mm	Rate deg / Nm	Stiffness Nm / rad	
13	0.5	0.5	0.1	0.05	0.88	65	4
19	1.7		0.2	0.1	0.50	115	8
25	4		0.2	0.1	0.28	205	13
33	9		0.2	0.15	0.093	615	53
41	17		0.25	0.15	0.048	1200	57
50	30		0.25	0.2	0.042	1375	95
57	44		0.25	0.2	0.022	2610	150

Materials Finishes

Hub sizes 13 to 57 : Al Alloy 2014A T6 or 6026 LF
Fasteners: Alloy steel, black oiled
Hubs: Clear anodised finish

IMPORTANT

Load capacity depends on application conditions:
see page 4 for details

STANDARD BORES®FOR ALL TYPES

Coupling Size	ØB1, ØB2 +0.03mm/-0mm (+0.0012/ -0)																							
	2	3	(1/8")	4	(3/16")	5	6	(1/4")	8	(3/8")	10	12	(1/2")	14	15	(5/8")	16	18	19	(3/4")	20	24	25	30
13		•	•	•	•	•	•	•																
19				•	•	•	•	•	•															
25							•	•	•	•	•	•												
33									•	•	•	•	•	•	•	•	•							
41										•	•	•	•	•	•	•	•	•	•	•	•			
50										•	•	•	•	•	•	•	•	•	•	•	•	•	•	
57												•	•	•	•	•	•	•	•	•	•	•	•	•
Bore ref.	11	14	16	18	19	20	22	24	28	31	32	35	36	38	40	41	42	45	46	47	48	51	52	56