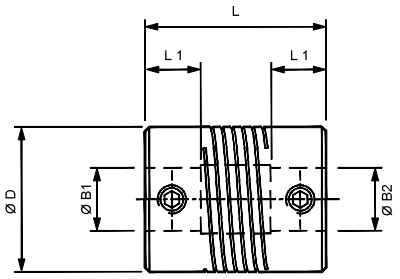
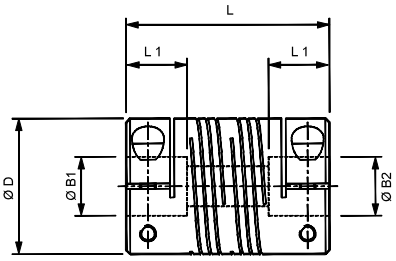
Multi-Beam

Aluminium Multi-Helix Flexible 6 Beam Couplings Non-Relieved

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Aluminium L168 or better

Fasteners: Alloy steel, black oiled

Temperature Range

–40°C to +120°C

6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style	Clamp Type	ØD mm	L mm	① L1 mm	Bore Diameters			Mass kgx10-3	Fasteners				② Angular Offset Deg.	② Parallel Offset mm	Torsional Stiffness Nm/rad	③ Peak Torque Nm
		COUPLING REF					Min B1	Min B2	Max B1 & B2		Set Screw	Cap Screw	Torque Nm	Wrench mm				
Non-Relieved	09	706.09	–	9.5	19.6	5.3	2.0	4.0	4.76	2.85	M2.5	-	0.55	1.3	3.0	0.12	1.8	1.0
		–	707.09								-	M1.6	0.29	1.5				
	13	706.13	–	12.7	22.9	6.5	3.0	5.0	6.35	5.5	M3	-	0.90	1.5	5.0	0.17	14.0	2.0
		–	707.13								-	M2	0.66	1.5				
	16	706.16	–	15.9	25.4	6.5	3.0	6.0	8	9,8	M4	-	2.5	2.5	5.0	0.2	27.0	3.4
		–	707.16								-	M2.5	1.3	2.0				
	19	706.19	–	19.1	26.5	6.5	4.76	6.35	10	14.0	M4	-	2.5	2.5	7.0	0.25	46.0	5.3
		–	707.19								-	M2.5	1.3	2.0				
	25	706.25	–	25.4	38.1	11.0	5.0	8.0	12.7	38.0	M5	-	4.6	2.5	7.0	0.38	108	10.0
		–	707.25								-	M3	2.4	2.5				
	32	706.32	–	31.8	57.2	16.0	8.0	9.53	19.0	92.0	M6	-	7.6	3.0	7.0	0.5	225	15.0
		–	707.32						16.0		-	M4	5.6	3.0				
	38	706.38	–	38.1	66.7	18.0	8.0	12.0	22.0	154	M6	-	7.6	3.0	7.0	0.6	315	22.0
		–	707.38						19.0		-	M5	11.0	4.0				
	44	706.44	–	44.5	76.2	20.0	9.0	14.0	25.0	239	M6	-	7.6	3.0	7.0	0.8	459	30.0
		–	707.44						22.0		-	M5	11.0	4.0				
	51	706.51	–	50.8	95.3	25.0	10.0	16.0	28.0	389	M8	-	18	4.0	7.0	0.9	666	40.0
		–	707.51						26.0		-	M6	19	5.0				
	57	706.57	–	57.2	130	32.0	10.0	20.0	32.0	674	M8	-	18	4.0	7.0	0.95	918	55.0
		–	707.57						30.0		-	M6	19	5.0				
	64	706.64	–	63.5	150	38.0	12.0	25.0	38.0	1118	M8	-	18	4.0	7.0	1.0	1125	75.0
		–	707.64						36.0		-	M8	46	6.0				

① Length of supported bore.

② Max. compensation values are mutually exclusive.

③ ***Peak torque***. Select a size where Peak Torque exceeds the application torque x service factor. (***see page 4***)

BORE SIZES 6-BEAM COUPLINGS, NON-RELIEVED

○ B1 only ● B1 & B2

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	(5/8")	16	18	19	(3/4")	20	24	25	(1")	28	30	(1 1/4")	32
9	○	○	○	●	●																						
13		○	○	○	○	●	●	●																			
16		○	○	○	○	○	●	●	●																		
19					○	○	○	●	●	●	●																
25						○	○	○	●	●	●	●	●														
32									○	●	●	●	●	●	●	●											
38									○	○	●	●	●	●	●	●	●	●	●	●							
44										○	○	○	○	●	●	●	●	●	●	●	S	S					
51											○	○	○	○	○	●	●	●	●	●	●	●	●	S			
57											○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	S	S
64												○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●
Bore ref.	11	14	16	18	19	20	22	24	28	31	32	35	36	38	41	42	45	46	47	48	51	52	53	54	56	57	58

S = Setscrew only