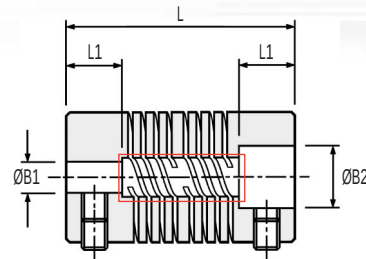
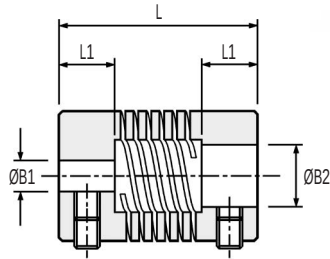


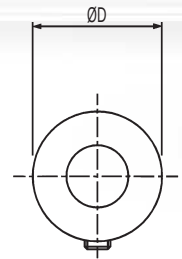
Multi-Beam Stainless Steel Multi-Helix Flexible Beam Couplings



Set screw hubs

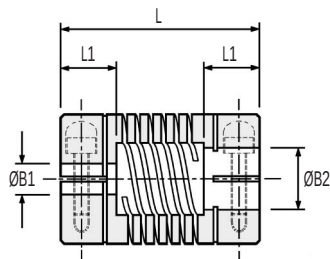


Ref. 702 : 6-Beam Non-Relieved
Ref. 722 : 6-Beam Relieved

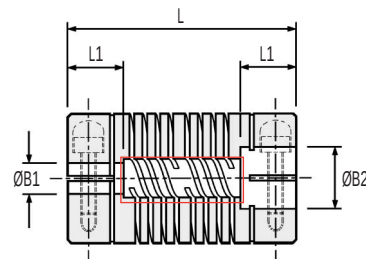


Typical

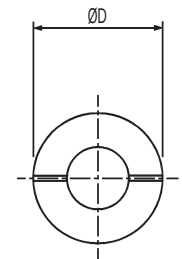
Clamp hubs



Ref. 721
3-Beam Relieved



Ref. 703 : 6-Beam Non-Relieved
Ref. 723 : 6-Beam Relieved



Typical

28

3-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size	Set Screw Style	Clamp Style	ØD	L	1	Bore Diameters			Set Screw	Cap Screw	2 Angular Offset Deg.	2 Parallel Offset mm	3 Peak Torque Nm	
						Min B1	Min B2	Max B1 & B2						
Relieved	06	720.06	—	6.4	12.7	3.2	1.0	2.0	3.0	M2	—	3	0.07	0.45
	09	720.09	—	9.5	14.2	4.5	2.0	3.0	3.18	M2.5	M1.6	3	0.1	0.50
		—	721.09											
	13	720.13	—	12.7	19.1	6.0	3.0	4.0	5.0	M3	M2	5	0.127	1.0
		—	721.13											
	16	720.16	—	15.9	20.3	6.5	3.0	4.0	6.35	M4	M2.5	5	0.127	1.80
		—	721.16											
	19	720.19	—	19.1	22.9	6.5	4.0	4.76	8.0	M4	M2.5	5	0.127	2.70
		—	721.19											
	25	720.25	—	25.4	31.8	9.0	5.0	6.0	10.0	M5	M3	5	0.127	6.0
		—	721.25											
32	720.32	—	31.8	44.5	12.0	6.0	8.0	14.0	M6	M4	5	0.127	10.0	
	—	721.32												

All 3-beam couplings are in relieved form as standard. See above drawings.

Materials & Finishes

Couplings: Stainless Steel 303 S31

Fasteners: Stainless Steel

Temperature Range

−40°C to +140°C

BORE SIZES - SEE TABLE ON PAGE 32

Multi-Beam Stainless Steel Multi-Helix Flexible Beam Couplings



6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

COUPLING DIMENSIONS & ORDER CODE														
Coupling Type & Size		Set Screw Style	Clamp Style			1	Bore Diameters			Set Screw	Cap Screw	2 Angular Offset Deg.	2 Parallel Offset mm	3 Peak Torque Nm
							Min B1	Min B2	Max B1 & B2					
COUPLING REF				ØD	L	L1								
Non-Relieved	09	702.09	—	9.5	19.6	5.3	2.0	4.0	4.76	M2.5	M1.6	3	0.12	1.5
		—	703.09											
	13	702.13	—	12.7	25.4	6.5	3.0	5.0	6.35	M3	M2	5	0.17	3.0
		—	703.13											
	16	702.16	—	15.9	25.4	6.5	3.0	6.0	8.0	M4	M2.5	5	0.2	5.0
		—	703.16											
	19	702.19	—	19.1	28.0	6.5	4.76	6.35	10.0	M4	M2.5	7	0.25	8.0
		—	703.19											
	25	702.25	—	25.4	38.1	11.0	5.0	8.0	12.7	M5	M3	7	0.38	16.0
		—	703.25											
	32	702.32	—	31.8	57.2	16.0	8.0	10.0	19.0 16.0	M6	M4	7	0.5	25.0
		—	703.32											
	38	702.38	—	38.1	66.7	18.0	8.0	12.0	22.0 19.0	M6	M5	7	0.6	36.0
		—	703.38											
	44	702.44	—	44.5	76.2	20.0	9.0	14.0	25.0 22.0	M6	M5	7	0.8	48.0
		—	703.44											
51	702.51	—	50.8	95.3	25.0	10.0	16.0	28.0 26.0	M8	M6	7	0.9	73.0	
	—	703.51												
57	702.57	—	57.2	130.0	32.0	10.0	20.0	32.0 30.0	M8	M6	7	0.95	102.0	
	—	703.57												
64	702.64	—	63.5	150.0	38.0	12.0	25.0	38.0 36.0	M8	M8	7	1.0	140.0	
	—	703.64												

Relieved	09	722.09 – 723.09	9.5	19.6	5.3	2.0	3.0	4.76	M2.5	M1.6	3	0.12	0.9
	13	722.13 – 723.13	12.7	25.4	6.5	3.0	4.0	6.35	M3	M2	5	0.17	1.9
	16	722.16 – 723.16	15.9	25.4	6.5	3.0	4.0	8.0	M4	M2.5	5	0.2	3.4
	19	722.19 – 723.19	19.1	28.0	6.5	4.76	5.0	10.0	M4	M2.5	7	0.25	4.8
	25	722.25 – 723.25	25.4	38.1	11.0	5.0	6.0	12.7	M5	M3	7	0.38	10.0
	32	722.32 – 723.32	31.8	57.2	16.0	8.0	9.53	19.0 16.0	M6	M4	7	0.5	13.0
	38	722.38 – 723.38	38.1	66.7	18.0	8.0	12.0	22.0 19.0	M6	M5	7	0.6	20.0
	44	722.44 – 723.44	44.5	76.2	20.0	9.0	14.0	25.0 22.0	M6	M5	7	0.8	27.0
	51	722.51 – 723.51	50.8	95.3	25.0	10.0	16.0	28.0 26.0	M8	M6	7	0.9	37.0
	57	722.57 – 723.57	57.2	130.0	32.0	10.0	20.0	32.0 30.0	M8	M6	7	0.95	50.0
	64	722.64 – 723.64	63.5	150.0	38.0	12.0	25.0	38.0 36.0	M8	M8	7	1.0	65.0

Sizes 38 - 64 manufactured to order only

BORE SIZES - SEE TABLE ON PAGE 33

Materials & Finishes

Couplings: Stainless Steel 303 S31

Fasteners: Stainless Steel

Temperature Range

–40°C to +140°C

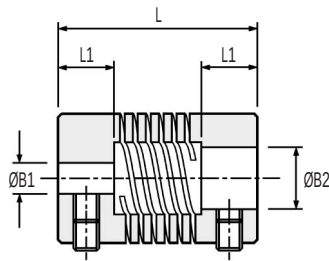
- 1 Length of supported bore.
- 2 Max. compensation values are mutually exclusive.
- 3 *Peak torque.* Select a size where Peak Torque exceeds the application torque x service factor. (see page 6)
- 4 *6-beam couplings only.* If either shaft extends beneath the beams, the area shown in blue must be *relieved* to provide clearance under the flexure.

If either shaft extends beneath the beams, the area shown outlined in red must be relieved to provide clearance under the flexure.

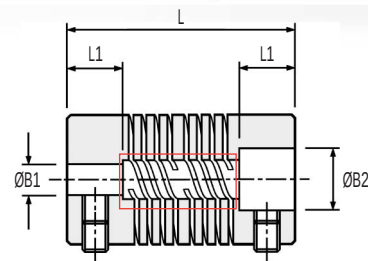
Multi-Beam Aluminium Multi-Helix Flexible Beam Couplings



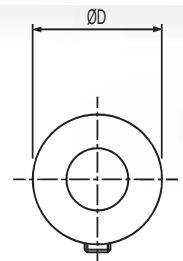
Set screw hubs



Ref. 724
3-Beam Relieved

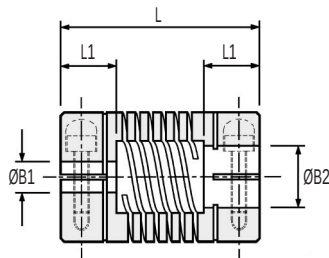


Ref. 706 : 6-Beam Non-Relieved
Ref. 726 : 6-Beam Relieved

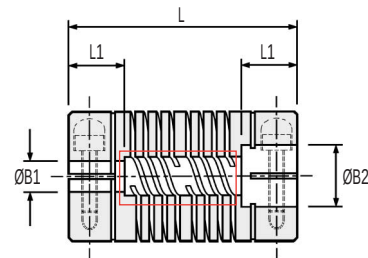


Typical

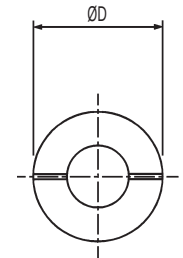
Clamp hubs



Ref. 725
3-Beam Relieved



Ref. 707 : 6-Beam Non-Relieved
Ref. 727 : 6-Beam Relieved



Typical

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3-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size	Set Screw Style	Clamp Style	1			Bore Diameters			Set Screw	Cap Screw	2 Angular Offset Deg.	2 Parallel Offset mm	3 Peak Torque Nm	
			ØD	L	L1	Min B1	Min B2	Max B1 & B2						
Relieved	06	724.06	–	6.4	12.7	3.2	1.0	2.0	3.0	M2	–	3	0.07	0.40
	09	724.09	–	9.5	14.2	4.5	2.0	3.0	3.18	M2.5	M1.6	3	0.1	0.40
		–	725.09											
	13	724.13	–	12.7	19.1	6.0	3.0	4.0	5.0	M3	M2	5	0.127	0.90
		–	725.13											
	16	724.16	–	15.9	20.3	6.5	3.0	4.0	6.35	M4	M2.5	5	0.127	1.50
		–	725.16											
	19	724.19	–	19.1	22.9	6.5	4.0	4.76	8.0	M4	M2.5	5	0.127	2.50
		–	725.19											
	25	724.25	–	25.4	31.8	9.0	5.0	6.0	10.0	M5	M3	5	0.127	4.0
		–	725.25											
32	724.32	–	31.8	44.5	12.0	6.0	8.0	14.0	M6	M4	5	0.127	6.0	
	–	725.32												

All 3-beam couplings are in relieved form as standard. See above drawings.

Materials & Finishes

Couplings: Aluminium L168 or better

Fasteners: Alloy steel. black oiled

Temperature Range

-40°C to +120°C

BORE SIZES - SEE TABLE ON PAGE 32

Multi-Beam Aluminium Multi-Helix Flexible Beam Couplings



6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size	Set Screw Style	Clamp Style			1	Bore Diameters			Set Screw	Cap Screw	2 Angular Offset Deg.	2 Parallel Offset mm	3 Peak Torque Nm	
						Min B1	Min B2	Max B1 & B2						
COUPLING REF			ØD	L	L1									
Non-Relieved	09	706.09 – 707.09	– 707.09	9.5	19.6	5.3	2.0	4.0	4.76	M2.5	M1.6	3	0.12	1.0
	13	706.13 – 707.13	– 707.13	12.7	22.9	6.5	3.0	5.0	6.35	M3	M2	5	0.17	2.0
	16	706.16 – 707.16	– 707.16	15.9	25.4	6.5	3.0	6.0	8.0	M4	M2.5	5	0.2	3.4
	19	706.19 – 707.19	– 707.19	19.1	26.5	6.5	4.76	6.35	10.0	M4	M2.5	7	0.25	5.3
	25	706.25 – 707.25	– 707.25	25.4	38.1	11.0	5.0	8.0	12.7	M5	M3	7	0.38	10.0
	32	706.32 – 707.32	– 707.32	31.8	57.2	16.0	8.0	10.0	19.0 16.0	M6	M4	7	0.5	15.0
	38	706.38 – 707.38	– 707.38	38.1	66.7	18.0	8.0	12.0	22.0 19.0	M6	M5	7	0.6	22.0
	44	706.44 – 707.44	– 707.44	44.5	76.2	20.0	9.0	14.0	25.0 22.0	M6	M5	7	0.8	30.0
	51	706.51 – 707.51	– 707.51	50.8	95.3	25.0	10.0	16.0	28.0 26.0	M8	M6	7	0.9	40.0
	57	706.57 – 707.57	– 707.57	57.2	130.0	32.0	10.0	20.0	32.0 30.0	M8	M6	7	0.95	55.0
	64	706.64 – 707.64	– 707.64	63.5	150.0	38.0	12.0	25.0	38.0 36.0	M8	M8	7	1.0	75.0

Relieved	09	726.09	—	9.5	19.6	5.3	2.0	3.0	4.76	M2.5	M1.6	3	0.12	0.6
		—	727.09											
	13	726.13	—	12.7	22.9	6.5	3.0	4.0	6.35	M3	M2	5	0.17	1.3
		—	727.13											
	16	726.16	—	15.9	25.4	6.5	3.0	4.0	8.0	M4	M2.5	5	0.2	2.0
		—	727.16											
	19	726.19	—	19.1	26.5	6.5	4.76	5.0	10.0	M4	M2.5	7	0.25	3.0
		—	727.19											
	25	726.25	—	25.4	38.1	11.0	5.0	6.0	12.7	M5	M3	7	0.38	5.0
		—	727.25											
	32	726.32	—	31.8	57.2	16.0	8.0	9.53	19.0 16.0	M6	M4	7	0.5	7.0
		—	727.32											
	38	726.38	—	38.1	66.7	18.0	8.0	12.0	22.0 19.0	M6	M5	7	0.6	11.0
		—	727.38											
	44	726.44	—	44.5	76.2	20.0	9.0	14.0	25.0 22.0	M6	M5	7	0.8	15.0
		—	727.44											
51	726.51	—	50.8	95.3	25.0	10.0	16.0	28.0 26.0	M8	M6	7	0.9	20.0	
	—	727.51												
57	726.57	—	57.2	130.0	32.0	10.0	20.0	32.0 30.0	M8	M6	7	0.95	28.0	
	—	727.57												
64	726.64	—	63.5	150.0	38.0	12.0	25.0	38.0 36.0	M8	M8	7	1.0	38.0	
	—	727.64												

Sizes 38 - 64 manufactured to order only

BORE SIZES - SEE TABLE ON PAGE 33

Materials & Finishes

Couplings: Aluminium L168 or better

Fasteners: Alloy steel, black oiled

Temperature Range

–40°C to +120°C

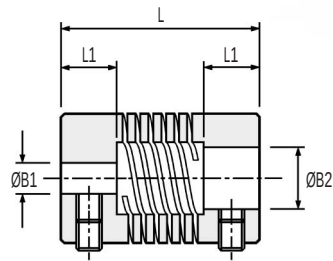
- 1 Length of supported bore.
- 2 Max. compensation values are mutually exclusive.
- 3 Peak torque. Select a size where Peak Torque exceeds the application torque x service factor. (see page 6)
- 4 6-beam couplings only. If either shaft extends beneath the beams, the area shown in blue must be relieved to provide clearance under the flexure.

If either shaft extends beneath the beams, the area shown outlined in red must be relieved to provide clearance under the flexure.

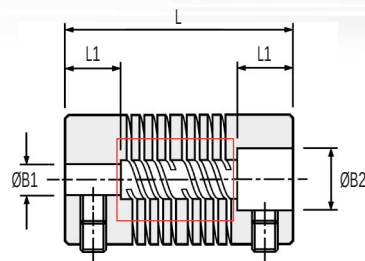
Multi-Beam Acetal Multi-Helix Flexible Beam Couplings



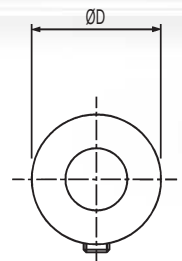
Set screw hubs



Ref. 728
3-Beam Relieved

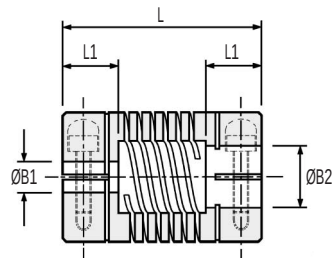


Ref. 710 : 6-Beam Non-Relieved
Ref. 730 : 6-Beam Relieved

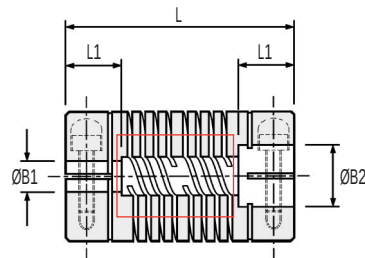


Typical

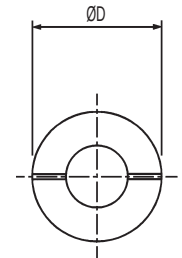
Clamp hubs



Ref. 729
3-Beam Relieved



Ref. 711 : 6-Beam Non-Relieved
Ref. 731 : 6-Beam Relieved



Typical

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3-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size	Set Screw Style	Clamp Style	ØD	L	L1	Bore Diameters			Set Screw	Cap Screw	2 Angular Offset Deg.	2 Parallel Offset mm	3 Peak Torque Nm
						Min B1	Min B2	Max B1 & B2					
Relieved	13	728.13 - 729.13	12.7	19.1	6.0	3.0	4.0	5.0	M3	M2	5	0.127	0.24
	16	728.16 - 729.16	15.9	20.3	6.5	3.0	4.0	6.0	M4	M2.5	5	0.127	0.35
	19	728.19 - 729.19	19.1	22.9	6.5	4.0	4.76	8.0	M4	M2.5	5	0.127	0.64
	25	728.25 - 729.25	25.4	31.8	9.0	5.0	6.0	10.0	M5	M3	5	0.127	1.40
	32	728.32 - 729.32	31.8	44.5	12.0	6.0	8.0	12.0	M6	M4	5	0.127	2.50

Materials & Finishes

Couplings: Acetal (natural)

Fasteners: Stainless steel

Temperature Range

-20°C to +60°C

All 3-beam couplings are in relieved form as standard. See above drawings.

BORE SIZES 3-BEAM COUPLINGS

Coupling Size	1	2	3	3.175	4	4.763	5	6	6.350	8	9.525	10	12	12.700	14
06	○	●	●												
09		○	●	●											
13			○	○	●	●	●								
16			○	○	●	●	●	●	●						
19					○	●	●	●	●	●					
25							○	●	●	●	●	●			
32								○	○	●	●	●	●	●	●
Bore ref.	08	11	14	16	18	19	20	22	24	28	31	32	35	36	38

○ B1 only ● B1 & B2

● Aluminium and Stainless Steel Only

Multi-Beam Acetal Multi-Helix Flexible Beam Couplings



6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size	Set Screw Style	Clamp Style	ØD	L	1 L1	Bore Diameters			Set Screw	Cap Screw	2 Angular Offset Deg.	2 Parallel Offset mm	3 Peak Torque Nm
						Min B1	Min B2	Max B1 & B2					
Non-Relieved	13	710.13 – 711.13	12.7	22.9	6.5	3.0	5.0	6.0	M3	M2	5	0.17	0.51
	16	710.16 – 711.16	15.9	25.4	6.5	3.0	6.0	8.0	M4	M2.5	5	0.2	0.91
	19	710.19 – 711.19	19.1	26.5	6.5	4.0	6.35	9.53	M4	M2.5	7	0.25	1.3
	25	710.25 – 711.25	25.4	38.1	11.0	5.0	8.0	12.0	M5	M3	7	0.38	2.5
	32	710.32 – 711.32	31.8	57.2	16.0	8.0	10.0	16.0	M6	M4	7	0.5	4.0
Relieved	13	730.13 – 731.13	12.7	22.9	6.5	3.0	4.0	5.0	M3	M2	5	0.17	0.32
	16	730.16 – 731.16	15.9	25.4	6.5	3.0	4.0	6.35	M4	M2.5	5	0.2	0.61
	19	730.19 – 731.19	19.1	26.5	6.5	4.0	5.0	8.0	M4	M2.5	7	0.25	0.87
	25	730.25 – 731.25	25.4	38.1	11.0	5.0	6.0	10.0	M5	M3	7	0.38	1.67
	32	730.32 – 731.32	31.8	57.2	16.0	8.0	9.53	12.7	M6	M4	7	0.5	2.4

Materials & Finishes

Couplings: Acetal (natural)

Fasteners: Stainless steel

Temperature Range

–20°C to +60°C

- 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 6).
- 4 6-beam couplings only. If either shaft extends beneath the beams, the area shown in blue must be *relieved* to provide clearance under the flexure.

If either shaft extends beneath the beams, the area shown outlined in red must be relieved to provide clearance under the flexure.

BORE SIZES 6-BEAM COUPLINGS

NON-RELIEVED

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Size	ØB1, ØB2 +0.03/-0mm																															
	2	3	3.175	4	4.763	5	6	6.35	8	9.525	10	12	12.7	14	15.88	16	18	19	19.05	20	24	25	25.4	28	30	31.75	32					
9	○	○	○	●	●																											
13		○	○	○	○	●	●	●																								
16		○	○	○	○	○	●	●	●																							
19					○	○	○	●	●	●	●																					
25					○	○	○	●	●	●	●	●	●																			
32									○	○	●	●	●	●	●	●																
38									○	○	○	●	●	●	●	●	●	●	●	●												
44										○	○	○	○	●	●	●	●	●	●	●	●											
51											○	○	○	○	○	○	○	○	○	○	●	●										
57											○	○	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●					
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					

BORE SIZES 6-BEAM COUPLINGS

RELIEVED

Size	ØB1, ØB2 +0.03/-0mm																															
	2	3	3.175	4	4.763	5	6	6.35	8	9.525	10	12	12.7	14	15.88	16	18	19	19.05	20	24	25	25.4	28	30	31.75	32					
9	○	●	●	●	●																											
13		○	○	●	●	●	●	●																								
16		○	○	●	●	●	●	●	●																							
19					○	●	●	●	●	●	●																					
25					○	●	●	●	●	●	●	●	●																			
32									○	●	●	●	●	●	●	●																
38									○	●	●	●	●	●	●	●	●	●	●	●												
44										○	○	○	○	○	○	○	○	○	○	○	○	○	○									
51											○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○					
57											○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○					
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					

○ B1 only ● B1 & B2 ● Aluminium and Stainless Steel Only