Beam Couplings

- Multi-Beam
- Single-Beam
- Step-Beam

- **Torsionally rigid design**
- **Zero backlash**
- **No moving parts**
- **Single beam simple coupling compatible with industry standard types**
- **3-Beam single stage for increased torsional stiffness**
- **6-Beam two stage for torsional stiffness and increased radial compliance**
- **Step Beam for low inertia, electrical isolation, low cost**

Beam couplings will readily accommodate any combination of axial motion, angular and parallel misalignment.

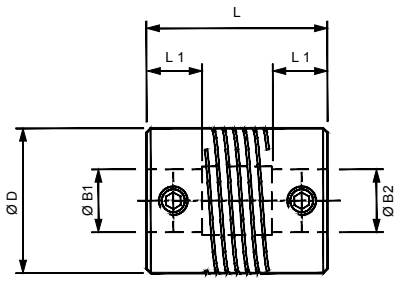
The 3 start helical-cut design provides higher torque capability and reduced wind-up compared with single beam versions.

Multi-Beam is available in three standard materials: stainless steel, aluminium and acetal, for shaft diameters from 1mm to 38mm.

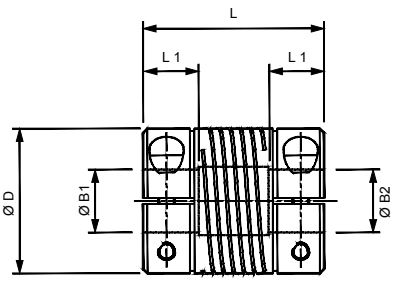
Multi-Beam

Stainless Steel Multi-Helix Flexible 3 Beam Couplings

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Stainless Steel 303 S31

Fasteners: Stainless Steel

Temperature Range

-40°F to +284°F

(–40°C to +140°C)

3-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style	Clamp Type	ØD in. (mm)	L in. (mm)	① L1 in. (mm)	Bore Diameters			Mass kgx10-3	Fasteners				② Angular Offset Deg.	② Parallel Offset mm	Torsional Stiffness Nm/rad	③ Peak Torque lb.in (Nm)
		COUPLING REF					Min B1	Min B2	Max B1 & B2		Set Screw	Cap Screw	Torque lbs.-in. (Nm)	Wrench in. (mm)				
Relieved	6	720.06	–	.25 (6.4)	0.5 (12.7)	.13 (3.2)	1.0	2.0	3.0	1.93	M2	–	0.7 (0.08)	.035 (0.9)	3	.003 (.07)	1.53	3.98 (0.45)
	9	720.09	–	.37 (9.5)	.56 (14.2)	.18 (4.5)	2.0	3.0	3.18	5.85	M2.5	-	2.0 (0.2)	.051 (1.3)	3	.004 (0.1)	16	4.43 (0.50)
		–	721.09								-	M1.6	1.3 (0.15)	.059 (1.5)				
	13	720.13	–	0.5 (12.7)	.75 (19.1)	.24 (6.0)	3.0	4.0	5.0	13.7	M3	-	2.8 (0.3)	.059 (1.5)	5	.005 (.127)	54	8.85 (1.0)
		–	721.13								-	M2	2.6 (0.3)	.059 (1.5)				
	16	720.16	–	.63 (15.9)	.80 (20.3)	.26 (6.5)	3.0	4.0	6.35	22.9	M4	-	9.2 (1.0)	.079 (2.0)	5	.005 (.127)	81	15.9 (1.80)
		–	721.16								-	M2.5	6.0 (0.6)	.079 (2.0)				
	19	720.19	–	.75 (19.1)	.90 (22.9)	.26 (6.5)	4.0	4.76	8.0	35.9	M4	-	9.2 (1.0)	.079 (2.0)	5	.005 (.127)	143	23.9 (2.70)
		–	721.19								-	M2.5	6.0 (0.6)	.079 (2.0)				
	25	720.25	–	1.0 (25.4)	1.25 (31.8)	.35 (9.0)	5.0	6.0	10	92.2	M5	-	18.6 (2.1)	.098 (2.5)	5	.005 (.127)	175	53.1 (6.0)
		–	721.25								-	M3	10.6 (1.2)	.098 (2.5)				
	32	720.32	–	1.25 (31.8)	1.75 (44.5)	.47 (12.0)	6.0	8.0	14	194	M6	-	33.2 (3.7)	0.12 (3.0)	5	.005 (.127)	378	88.5 (10.0)
		–	721.32								-	M4	25.2 (2.8)	0.12 (3.0)				

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 3-BEAM COUPLINGS

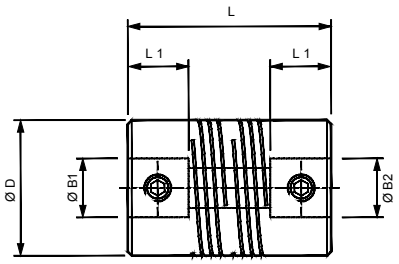
Sizes indicated in parenthesis are metric (mm).

Coupling Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)														
	(1)	(2)	(3)	1/8"	(4)	3/16"	(5)	(6)	1/4"	(8)	3/8"	(10)	(12)	1/2"	(14)
6	○	●	●												
9		○	●	●											
13			○	○	●	●	●								
16			○	○	●	●	●	●	●						
19					○	●	●	●	●	●					
25							○	●	●	●	●	●			
32								○	○	●	●	●	●	●	●
Bore ref.	8	11	14	16	18	19	20	22	24	28	31	32	35	36	38

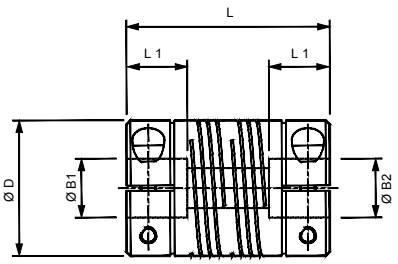
○ B1 only ● B1 & B2

Stainless Steel Multi-Helix Flexible 6 Beam Couplings Non-Relieved

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Stainless Steel 303 S31

Fasteners: Stainless Steel

Temperature Range

-40°F to +284°F

(–40°C to +140°C)

6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style	Clamp Type	ØD in. (mm)	L in. (mm)	L1 in. (mm)	Bore Diameters			Mass kgx10-3	Fasteners				Angular Offset Deg.	Parallel Offset mm	Torsional Stiffness Nm/rad	Peak Torque lb.in (Nm)
		COUPLING REF					Min B1	Min B2	Max B1 & B2		Set Screw	Cap Screw	Torque lbs.-in. (Nm)	Wrench in. (mm)				
	09	702.09	–	0.4 (9.5)	0.77 (19.6)	0.21 (5.3)	2.0	4.0	4.76	7.0	M2.5	-	2.0 (0.23)	0.51 (1.3)	3.0	.002 (0.12)	5.4	13.3 (1.5)
		–	703.09								-	M1.6	1.3 (0.15)	0.59 (1.5)				
	13	702.13	–	0.5 (12.7)	1.00 (25.4)	0.26 (6.5)	3.0	5.0	6.35	17.0	M3	-	2.8 (0.3)	0.59 (1.5)	5.0	.007 (0.17)	25	26.6 (3.0)
		–	703.13								-	M2	2.6 (0.3)	0.59 (1.5)				
	16	702.16	–	0.63 (15.9)	1.00 (25.4)	0.26 (6.5)	3.0	6.0	8.0	28.0	M4	-	9.2 (1.0)	.079 (2.0)	5.0	.008 (0.2)	45	44.2 (5.0)
		–	703.16								-	M2.5	6.0 (0.68)	.079 (2.0)				
	19	702.19	–	0.75 (19.1)	1.10 (28.0)	0.26 (6.5)	4.76	6.35	10.0	44.0	M4	-	9.2 (1.0)	.079 (2.0)	7.0	0.01 (0.25)	72	70.8 (8.0)
		–	703.19								-	M2.5	6.0 (0.68)	.079 (2.0)				
	25	702.25	–	1.00 (25.4)	1.50 (38.1)	0.43 (11.0)	5.0	8.0	12.7	109	M5	-	18.6 (2.1)	.098 (2.5)	7.0	.015 (0.38)	170	141.6 (16.0)
		–	703.25								-	M3	10.6 (1.2)	.098 (2.5)				
	32	702.32	–	1.25 (31.8)	2.25 (57.2)	0.63 (16.0)	8.0	10.0	19.0	262	M6	-	33.2 (3.7)	0.12 (3.0)	7.0	0.02 (0.5)	364	221.3 (25.0)
		–	703.32						16.0		-	M4	25.2 (2.8)	0.12 (3.0)				
	38	702.38	–	1.50 (38.1)	2.63 (66.7)	0.71 (18.0)	8.0	12.0	22.0	443	M6	-	33.2 (3.7)	0.12 (3.0)	7.0	.024 (0.6)	634	318.6 (36.0)
		–	703.38						19.0		-	M5	51.8 (5.8)	0.16 (4.0)				
	44	702.44	–	1.75 (44.5)	3.00 (76.2)	0.79 (20.0)	9.0	14.0	25.0	687	M6	-	33.2 (3.7)	0.11 (3.0)	7.0	.031 (0.8)	945	424.8 (48.0)
		–	703.44						22.0		-	M5	51.3 (5.8)	0.16 (4.0)				
	51	702.51	–	2.00 (50.8)	3.75 (95.3)	0.98 (25.0)	10.0	16.0	28.0	1116	M8	-	80.0 (9.0)	0.16 (4.0)	7.0	0.35 (0.9)	1305	646.1 (73.0)
		–	703.51						26.0		-	M6	86.3 (9.7)	0.20 (5.0)				
	57	702.57	–	2.25 (57.2)	5.12 (130)	1.26 (32.0)	10.0	20.0	32.0	1944	M8	-	80.0 (9.0)	0.16 (4.0)	7.0	.037 (0.95)	1755	902.8 (102.0)
		–	703.57						30.0		-	M6	86.3 (9.7)	0.20 (5.0)				
	64	702.64	–	2.5 (63.5)	5.91 (150)	1.5 (38.0)	12.0	25.0	38.0	3234	M8	-	80.0 (9.0)	0.16 (4.0)	7.0	0.39 (1.0)	2340	1,239.0 (140.0)
		–	703.64						36.0		-	M8	212 (24.0)	0.24 (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 Sizes indicated in parenthesis are metric (mm).

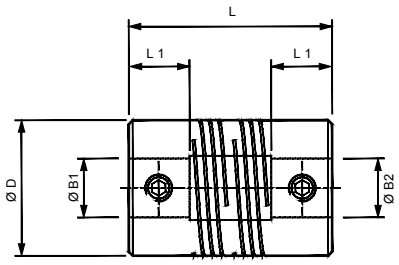
Coupling Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)																											
	(2)	(3)	1/8″	(4)	3/16″	(5)	(6)	1/4″	(8)	3/8″	(10)	(12)	1/2″	(14)	5/8″	(16)	(18)	(19)	3/4″	(20)	(24)	(25)	1″	(28)	(30)	1 1/4″	(32)
9	○	○	○	●	●																						
13		○	○	○	○	●	●	●																			
16		○	○	○	○	○	●	●	●																		
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

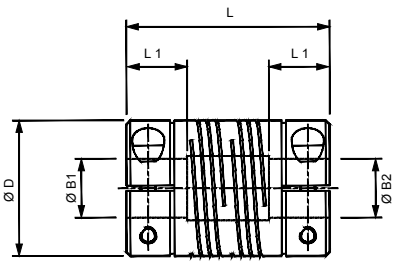
Multi-Beam

Stainless Steel Multi-Helix Flexible 6 Beam Couplings

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Stainless Steel 303 S31

Fasteners: Stainless Steel

Temperature Range

-40°F to +284°F

(–40°C to +140°C)

6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style	Clamp Type	ØD in. (mm)	L in. (mm)	① L1 in. (mm)	Bore Diameters			Mass kgx10-3	Fasteners				② Angular Offset Deg.	② Parallel Offset mm	④ Torsional Stiffness Nm/rad	③ Peak Torque lb.in (Nm)
		COUPLING REF					Min B1	Min B2	Max B1 & B2		Set Screw	Cap Screw	Torque lbs.-in. (Nm)	Wrench in. (mm)				
Relieved	09	722.09	–	0.4 (9.5)	0.77 (19.6)	0.21 (5.3)	2.0	3.0	4.76	6.5	M2.5	-	1.7 (0.2)	0.51 (1.3)	3.0	.002 (0.12)	3.2	797 (0.9)
		–	723.09								-	M1.6	1.3 (0.15)	0.59 (1.5)				
	13	722.13	–	0.5 (12.7)	1.00 (25.4)	0.26 (6.5)	3.0	4.0	6.35	15.0	M3	-	2.8 (0.32)	0.59 (1.5)	5.0	.007 (0.17)	15.0	16.82 (1.9)
		–	723.13								-	M2	2.6 (0.3)	0.59 (1.5)				
	16	722.16	–	0.63 (15.9)	1.00 (25.4)	0.26 (6.5)	3.0	4.0	8	24.0	M4	-	9.2 (1.0)	.079 (2.0)	5.0	.008 (0.2)	27.0	30.09 (3.4)
		–	723.16								-	M2.5	6.0 (0.68)	.079 (2.0)				
	19	722.19	–	0.75 (19.1)	1.10 (28.0)	0.26 (6.5)	4.76	5.0	10	37.0	M4	-	9.2 (1.0)	.079 (2.0)	7.0	0.01 (0.25)	43.0	42.48 (4.8)
		–	723.19								-	M2.5	6.0 (0.68)	.079 (2.0)				
	25	722.25	–	1.00 (25.4)	1.50 (38.1)	0.43 (11.0)	5.0	6.0	12.7	99.0	M5	-	18.5 (2.1)	.098 (2.5)	7.0	.015 (0.38)	102	88.5 (10.0)
		–	723.25								-	M3	10.6 (1.2)	.098 (2.5)				
	32	722.32	–	1.25 (31.8)	2.25 (57.2)	0.63 (16.0)	8.0	9.53	19.0	236	M6	-	33.2 (3.7)	0.12 (3.0)	7.0	0.02 (0.5)	218	115.1 (13.0)
		–	723.32						16.0		-	M4	51.8 (5.8)	0.12 (3.0)				
	38	722.38	–	1.50 (38.1)	2.63 (66.7)	0.71 (18.0)	8.0	12.0	22.0	400	M6	-	33.2 (3.7)	0.12 (3.0)	7.0	.024 (0.6)	380	117.0 (20.0)
		–	723.38						19.0		-	M5	51.8 (5.8)	0.16 (4.0)				
	44	722.44	–	1.75 (44.5)	3.00 (76.2)	0.79 (20.0)	9.0	14.0	25.0	523	M6	-	33.2 (3.7)	0.11 (3.0)	7.0	.031 (0.8)	567	239.0 (27.0)
		–	723.44						22.0		-	M5	51.3 (5.8)	0.16 (4.0)				
	51	722.51	–	2.00 (50.8)	3.75 (95.3)	0.98 (25.0)	10.0	16.0	28.0	996	M8	-	80.0 (9.0)	0.16 (4.0)	7.0	0.35 (0.9)	783	327.5 (37.0)
		–	723.51						26.0		-	M6	86.3 (9.7)	0.20 (5.0)				
	57	722.57	–	2.25 (57.2)	5.12 (130)	1.26 (32.0)	10.0	20.0	32.0	1708	M8	-	80.0 (9.0)	0.16 (4.0)	7.0	.037 (0.95)	1053	442.5 (50.0)
		–	723.57						30.0		-	M6	86.3 (9.7)	0.20 (5.0)				
	64	722.64	–	2.5 (63.5)	5.91 (150)	1.5 (38.0)	12.0	25.0	38.0	2300	M8	-	80.0 (9.0)	0.16 (4.0)	7.0	0.39 (1.0)	1400	757.3 (65.0)
		–	723.64						36.0		-	M8	212 (24.0)	0.24 (6.0)				

① Length of supported bore.

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

② Max. compensation values are mutually exclusive. ④ Torsional Stiffness values based on maximum bores, for smaller bore combinations the values are nearer the non-relieved type.

BORE SIZES 6-BEAM COUPLINGS, RELIEVED

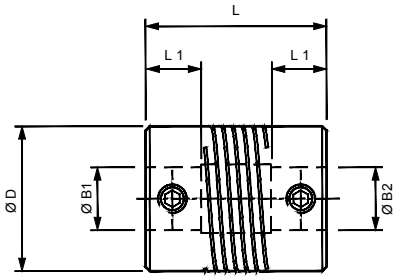
○ B1 only ● B1 & B2 Sizes indicated in parenthesis are metric (mm).

Coupling Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)																												
	(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

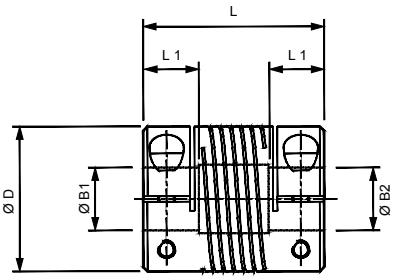
S = Setscrew only

Aluminium Multi-Helix Flexible 3 Beam Couplings

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Aluminium L168 or better

Fasteners: Alloy steel, black oiled

Temperature Range

-40ºF to +248ºF

(–40°C to +120°C)

3-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style	Clamp Type	ØD in. (mm)	L in. (mm)	① L1 in. (mm)	Bore Diameters			Mass kgx10-3	Fasteners				② Angular Offset Deg.	② Parallel Offset mm	Torsional Stiffness Nm/rad	③ Peak Torque lb.in (Nm)
		COUPLING REF					Min B1	Min B2	Max B1 & B2		Set Screw	Cap Screw	Torque lbs.-in. (Nm)	Wrench in. (mm)				
Relieved	6	724.06	–	.25 (6.4)	0.5 (12.7)	.13 (3.2)	1.0	2.0	3.0	0.7	M2	–	1.7 (0.2)	.035 (0.9)	3.0	.003 (.07)	1.53	354 (0.40)
	9	724.09	–	.37 (9.5)	.56 (14.2)	.18 (4.5)	2.0	3.0	3.18	2.2	M2.5	-	4.8 (0.5)	.051 (1.3)	3.0	.004 (0.1)	5.4	354.02 (0.40)
		–	725.09								-	M1.6		.059 (1.5)				
	13	724.13	–	0.5 (12.7)	.75 (19.1)	.24 (6.0)	3.0	4.0	5.0	5.0	M3	-	8.0 (0.9)	.059 (1.5)	5.0	.005 (.127)	28.0	796.57 (0.90)
		–	725.13								-	M2		.059 (1.5)				
	16	724.16	–	.63 (15.9)	.80 (20.3)	.26 (6.5)	3.0	4.0	6.35	8.2	M4	-	19.5 (2.2)	.079 (2.0)	5.0	.005 (.127)	38.0	13.28 (1.50)
		–	725.16								-	M2.5		.079 (2.0)				
	19	724.19	–	.75 (19.1)	.90 (22.9)	.26 (6.5)	4.0	4.76	8.0	12.8	M4	-	19.5 (2.2)	.079 (2.0)	5.0	.005 (.127)	65.0	22.13 (2.50)
		–	725.19								-	M2.5		.079 (2.0)				
	25	724.25	–	1.0 (25.4)	1.25 (31.8)	.35 (9.0)	5.0	6.0	10	32.6	M5	-	40.7 (4.6)	.098 (2.5)	5.0	.005 (.127)	121	35.4 (4.0)
		–	725.25								-	M3		.098 (2.5)				
	32	724.32	–	1.25 (31.8)	1.75 (44.5)	.47 (12.0)	6.0	8.0	14	70	M6	-	67.3 (7.6)	0.12 (3.0)	5.0	.005 (.127)	238	53.1 (8.0)
		–	725.32								-	M4		0.12 (3.0)				

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 3-BEAM COUPLINGS

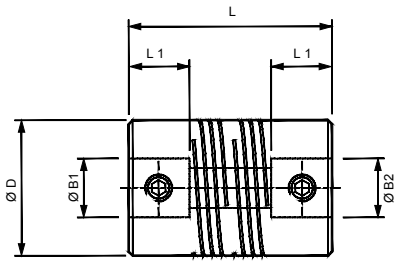
Sizes indicated in parenthesis are metric (mm).

Coupling Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)														
	(1)	(2)	(3)	1/8"	(4)	3/16"	(5)	(6)	1/4"	(8)	3/8"	(10)	(12)	1/2"	(14)
6	○	●	●												
9		○	●	●											
13			○	○	●	●	●								
16			○	○	●	●	●	●	●						
19					○	●	●	●	●	●					
25							○	●	●	●	●	●			
32								○	○	●	●	●	●	●	●
Bore ref.	8	11	14	16	18	19	20	22	24	28	31	32	35	36	38

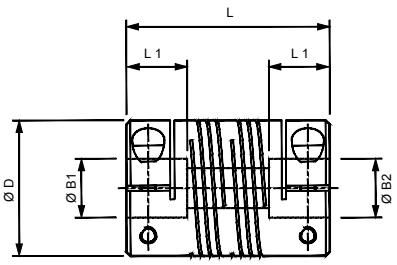
○ B1 only ● B1 & B2

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°F to +248°F

(–40°C to +120°C)

6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style	Clamp Type	ØD in. (mm)	L in. (mm)	① L1 in. (mm)	Bore Diameters			Mass kgx10-3	Fasteners				② Angular Offset Deg.	② Parallel Offset mm	Torsional Stiffness Nm/rad	③ Peak Torque lb.in (Nm)
		COUPLING REF					Min B1	Min B2	Max B1 & B2		Set Screw	Cap Screw	Torque lbs.-in. (Nm)	Wrench in. (mm)				
Non-Relieved	09	706.09	–	0.4 (9.5)	0.77 (19.6)	0.21 (5.3)	2.0	4.0	4.76	2.85	M2.5	-	4.8 (0.55)	0.51 (1.3)	3.0	.002 (0.12)	1.8	8.85 (1.0)
		–	707.09								-	M1.6	2.6 (0.29)	0.59 (1.5)				
	13	706.13	–	0.5 (12.7)	.09 (22.9)	0.26 (6.5)	3.0	5.0	6.35	5.5	M3	-	8.0 (0.90)	0.59 (1.5)	5.0	.007 (0.17)	14.0	17.7 (2.0)
		–	707.13								-	M2	5.8 (0.66)	0.59 (1.5)				
	16	706.16	–	0.63 (15.9)	1.00 (25.4)	0.26 (6.5)	3.0	6.0	8	9,8	M4	-	22.1 (2.5)	.098 (2.5)	5.0	.008 (0.2)	27.0	30.09 (3.4)
		–	707.16								-	M2.5	11.5 (1.3)	.079 (2.0)				
	19	706.19	–	0.75 (19.1)	1.04 (26.5)	0.26 (6.5)	4.76	6.35	10	14.0	M4	-	22.1 (2.5)	.098 (2.5)	7.0	0.01 (0.25)	46.0	46.9 (5.3)
		–	707.19								-	M2.5	11.5 (1.3)	.079 (2.0)				
	25	706.25	–	1.00 (25.4)	1.50 (38.1)	0.43 (11.0)	5.0	8.0	12.7	38.0	M5	-	40.7 (4.6)	.098 (2.5)	7.0	.015 (0.38)	108	88.5 (10.0)
		–	707.25								-	M3	21.2 (2.4)	.098 (2.5)				
	32	706.32	–	1.25 (31.8)	2.25 (57.2)	0.63 (16.0)	8.0	9.53	19.0	92.0	M6	-	67.3 (7.6)	0.12 (3.0)	7.0	0.02 (0.5)	225	132.8 (15.0)
		–	707.32						16.0		-	M4	49.6 (5.6)	0.12 (3.0)				
	38	706.38	–	1.50 (38.1)	2.63 (66.7)	0.71 (18.0)	8.0	12.0	22.0	154	M6	-	67.3 (7.6)	0.12 (3.0)	7.0	.024 (0.6)	315	194.7 (22.0)
		–	707.38						19.0		-	M5	97.4 (11.0)	0.16 (4.0)				
	44	706.44	–	1.75 (44.5)	3.00 (76.2)	0.79 (20.0)	9.0	14.0	25.0	239	M6	-	67.3 (7.6)	0.11 (3.0)	7.0	.031 (0.8)	459	265.5 (30.0)
		–	707.44						22.0		-	M5	97.4 (11.0)	0.16 (4.0)				
	51	706.51	–	2.00 (50.8)	3.75 (95.3)	0.98 (25.0)	10.0	16.0	28.0	389	M8	-	159 (18)	0.16 (4.0)	7.0	0.35 (0.9)	666	354 (40.0)
		–	707.51						26.0		-	M6	168 (19)	0.20 (5.0)				
	57	706.57	–	2.25 (57.2)	5.12 (130)	1.26 (32.0)	10.0	20.0	32.0	674	M8	-	159 (18)	0.16 (4.0)	7.0	.037 (0.95)	918	486.8 (55.0)
		–	707.57						30.0		-	M6	168 (19)	0.20 (5.0)				
	64	706.64	–	2.5 (63.5)	5.91 (150)	1.5 (38.0)	12.0	25.0	38.0	1118	M8	-	159 (18)	0.16 (4.0)	7.0	0.39 (1.0)	1125	663.8 (75.0)
		–	707.64						36.0		-	M8	407 (46)	0.24 (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

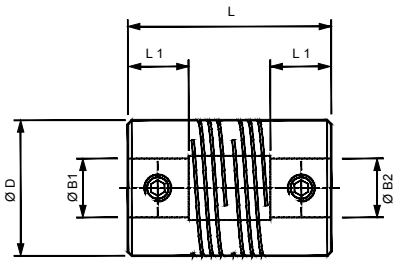
○ B1 only ● B1 & B2 Sizes indicated in parenthesis are metric (mm).

Coupling Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)																											
	(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

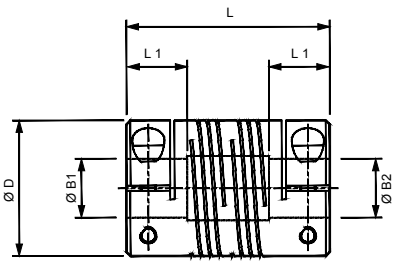
S = Setscrew only

Aluminium Multi-Helix Flexible 6 Beam Couplings

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Aluminium L168 or better

Fasteners: Alloy steel, black oiled

Temperature Range

-40ºF to +248ºF

(–40°C to +120°C)

6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style	Clamp Type	ØD in. (mm)	L in. (mm)	① L1 in. (mm)	Bore Diameters			Mass kgx10-3	Fasteners				② Angular Offset Deg.	② Parallel Offset mm	④ Torsional Stiffness Nm/rad	③ Peak Torque lb.in (Nm)
		COUPLING REF					Min B1	Min B2	Max B1 & B2		Set Screw	Cap Screw	Torque lbs.-in. (Nm)	Wrench in. (mm)				
Relieved	09	726.09	–	0.4 (9.5)	0.77 (19.6)	0.21 (5.3)	2.0	3.0	4.76	2.5	M2.5	-	4.8 (0.55)	0.51 (1.3)	3.0	.002 (0.12)	0.9	5.31 (0.6)
		–	727.09								-	M1.6	2.6 (0.29)	0.59 (1.50				
	13	726.13	–	0.5 (12.7)	.09 (22.9)	0.26 (6.5)	3.0	4.0	6.35	5.0	M3	-	8.0 (0.9)	0.59 (1.5)	5.0	.007 (0.17)	7.0	11.5 (1.3)
		–	727.13								-	M2	5.8 (0.66)	0.59 (1.5)				
	16	726.16	–	0.63 (15.9)	1.00 (25.4)	0.26 (6.5)	3.0	4.0	8	8.6	M4	-	19.5 (2.2)	0.59 (1.5)	5.0	.008 (0.2)	13.5	17.7 (2.0)
		–	727.16								-	M2.5	11.5 (1.3)	.079 (2.0)				
	19	726.19	–	0.75 (19.1)	1.04 (26.5)	0.26 (6.5)	4.76	5.0	10	12.4	M4	-	19.5 (2.2)	.098 (2.5)	7.0	0.01 (0.25)	23.0	26.6 (3.0)
		–	727.19								-	M2.5	11.5 (1.3)	.079 (2.0)				
	25	726.25	–	1.00 (25.4)	1.50 (38.1)	0.43 (11.0)	5.0	6.0	12.7	35.0	M5	-	40.7 (4.6)	.098 (2.5)	7.0	.015 (0.38)	54	44.25 (5.0)
		–	727.25								-	M3	21.2 (2.4)	.098 (2.5)				
	32	726.32	–	1.25 (31.8)	2.25 (57.2)	0.63 (16.0)	8.0	9.53	19.0	84.0	M6	-	67.3 (7.6)	0.12 (3.0)	7.0	0.02 (0.5)	112	61.96 (7.0)
		–	727.32						16.0		-	M4	49.6 (5.6)	0.12 (3.0)				
	38	726.38	–	1.50 (38.1)	2.63 (66.7)	0.71 (18.0)	8.0	12.0	22.0	140	M6	-	67.3 (7.6)	0.12 (3.0)	7.0	.024 (0.6)	157	97.36 (11.0)
		–	727.38						19.0		-	M5	97.4 (11.0)	0.16 (4.0)				
	44	726.44	–	1.75 (44.5)	3.00 (76.2)	0.79 (20.0)	9.0	14.0	25.0	218	M6	-	67.3 (7.6)	0.11 (3.0)	7.0	.031 (0.8)	229	132.7 (15.0)
		–	727.44						22.0		-	M5	97.4 (11.0)	0.16 (4.0)				
	51	726.51	–	2.00 (50.8)	3.75 (95.3)	0.98 (25.0)	10.0	16.0	28.0	348	M8	-	159 (18)	0.16 (4.0)	7.0	0.35 (0.9)	333	177.0 (20.0)
		–	727.51						26.0		-	M6	168 (19)	0.20 (5.0)				
	57	726.57	–	2.25 (57.2)	5.12 (130)	1.26 (32.0)	10.0	20.0	32.0	593	M8	-	159 (18)	0.16 (4.0)	7.0	.037 (0.95)	459	247.8 (28.0)
		–	727.57						30.0		-	M6	168 (19)	0.20 (5.0)				
	64	726.64	–	2.5 (63.5)	5.91 (150)	1.5 (38.0)	12.0	25.0	38.0	1198	M8	-	159 (18)	0.16 (4.0)	7.0	0.39 (1.0)	560	336.6 (38.0)
		–	727.64						36.0		-	M8	407 (46)	0.24 (6.0)				

① Length of supported bore.

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

② Max. compensation values are mutually exclusive. ④ Torsional Stiffness values based on maximum bores, for smaller bore combinations the values are nearer the non-relieved type.

BORE SIZES 6-BEAM COUPLINGS, RELIEVED

○ B1 only ● B1 & B2 Sizes indicated in parenthesis are metric (mm).

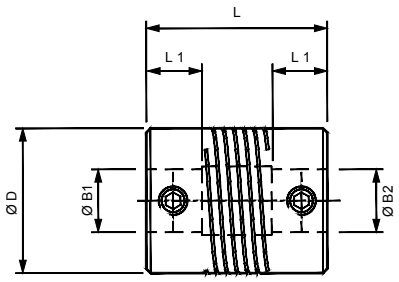
Coupling Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)																											
	(2)	(3)	1/8"	(4)	3/16"	(5)	(6)	1/4"	(8)	3/8"	(10)	(12)	1/2"	(14)	5/8"	(16)	(18)	(19)	3/4"	(20)	(24)	(25)	1"	(28)	(30)	1 1/4"	(32)
9	○	●	●	●																							
13		○	○	●	●	●	●	●																			
16		○	○	●	●	●	●	●	●																		
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

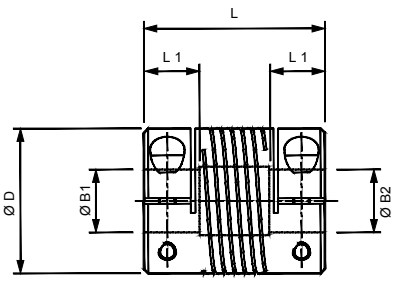
Multi-Beam

Acetal Multi-Helix Flexible 3 Beam Couplings

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Acetal (natural)
Fasteners: Stainless Steel

Temperature Range

-4°F to +140°F

(–20°C to +60°C)

3-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style	Clamp Type	ØD in. (mm)	L in. (mm)	① L1 in. (mm)	Bore Diameters Min B1	Bore Diameters Min B2	Bore Diameters Max B1 & B2	Mass kgx10-3	Fasteners Set Screw	Fasteners Cap Screw	Fasteners Torque lbs.-in. (Nm)	Fasteners Wrench in. (mm)	② Angular Offset Deg.	② Parallel Offset mm	Torsional Stiffness Nm/rad	③ Peak Torque lb.in (Nm)
		COUPLING REF																
Relieved	13	728.13	–	0.50 (12.7)	.750 (19.1)	0.24 (6.0)	3.0	4.0	5.0	2.9	M3	-	2.8 (0.3)	.059 (1.5)	5.0	.005 (.127)	1.9	2.12 (0.24)
		–	729.13								-	M2	2.0 (0.2)	.059 (1.5)				
	16	728.16	–	0.63 (15.9)	0.80 (20.3)	0.26 (6.5)	3.0	4.0	6.0	4.9	M4	-	9.2 (1.0)	.079 (2.0)	5.0	.005 (.127)	2.7	3.10 (0.35)
		–	729.16								-	M2.5	4.5 (0.5)	.079 (2.0)				
	19	728.19	–	0.75 (19.1)	0.90 (22.9)	0.26 (6.5)	4.0	4.76	8.0	7.5	M4	-	9.2 (1.0)	.079 (2.0)	5.0	.005 (.127)	4.0	5.66 (0.64)
		–	729.19								-	M2.5	4.5 (0.5)	.079 (2.0)				
	25	728.25	–	1.0 (25.4)	1.25 (31.8)	0.35 (9.0)	5.0	6.0	10.0	19.0	M5	-	18.6 (2.1)	.098 (2.5)	5.0	.005 (.127)	11	12.39 (1.40)
		–	729.25								-	M3	8.0 (0.9)	.098 (2.5)				
	32	728.32	–	1.25 (31.8)	1.75 (44.5)	0.47 (12.0)	6.0	8.0	14.0	44.0	M6	-	33 (3.7)	0.12 (3.0)	5.0	.005 (.127)	21	22.13 (2.50)
		–	729.32								-	M4	18.9 (2.1)	0.12 (3.0)				

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 3-BEAM COUPLINGS

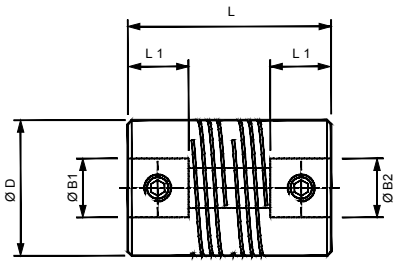
Sizes indicated in parenthesis are metric (mm).

Coupling Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)												
	(1)	(2)	(3)	1/8"	(4)	3/16"	(5)	(6)	1/4"	(8)	3/8"	(10)	(12)
13			○	○	●	●	●						
16			○	○	●	●	●	●					
19					○	●	●	●	●	●			
25							○	●	●	●	●	●	
32								○	○	●	●	●	●
Bore ref.	8	11	14	16	18	19	20	22	24	28	31	32	35

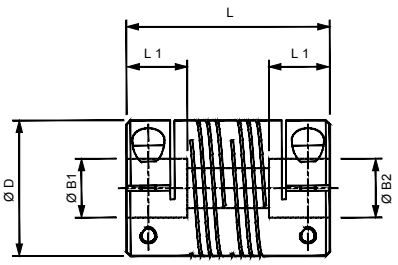
○ B1 only ● B1 & B2

Acetal Multi-Helix Flexible 6 Beam Couplings Non-Relieved

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Acetal (natural)
Fasteners: Stainless Steel

Temperature Range

-4ºF to +140ºF

(–20°C to +60°C)

6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style / COUPLING REF	Clamp Type / COUPLING REF	ØD in. (mm)	L in. (mm)	① L1 in. (mm)	Bore Diameters Min B1	Bore Diameters Min B2	Bore Diameters Max B1 & B2	Mass kgx10-3	Fasteners Set Screw	Fasteners Cap Screw	Fasteners Torque lbs.-in. (Nm))	Fasteners Wrench in. (mm)	② Angular Offset Deg.	② Parallel Offset mm	④ Torsional Stiffness Nm/rad	③ Peak Torque lb.in (Nm)
Non-Relieved	13	710.13	–	0.50 (12.7)	0.9 (22.9)	0.26 (6.5)	3.0	5.0	6.0	3.2	M3	-	2.8 (0.3)	.059 (1.5)	5.0	.007 (0.17)	1.3	4.51 (0.51)
		–	711.13								-	M2	2.0 (0.2)	.059 (1.5)				
	16	710.16	–	0.63 (15.9)	1.00 (25.4)	0.26 (6.5)	3.0	6.0	8.0	5.4	M4	-	9.2 (1.0)	.079 (2.0)	5.0	.008 (0.2)	1.8	8.05 (0.91)
		–	711.16								-	M2.5	4.5 (0.5)	.079 (2.0)				
	19	710.19	–	0.75 (19.1)	1.04 (26.5)	0.26 (6.5)	4.0	6.35	9.53	8.0	M4	-	9.2 (1.0)	.079 (2.0)	7.0	0.01 (0.25)	2.7	11.5 (1.3)
		–	711.19								-	M2.5	4.5 (0.5)	.079 (2.0)				
	25	710.25	–	1.0 (25.4)	1.5 (38.1)	0.43 (11.0)	5.0	8.0	12.0	21.0	M5	-	18.6 (2.1)	.098 (2.5)	7.0	0.15 (0.38)	8.0	22.13 (2.5)
		–	711.25								-	M3	8.0 (0.9)	.098 (2.5)				
	32	710.32	–	1.25 (31.8)	2.25 (57.2)	0.63 (16.0)	6.0	10.0	16.0	51.0	M6	-	33 (3.7)	0.12 (3.0)	7.0	0.02 (0.5)	14.0	35.4 (4.0)
		–	711.32								-	M4	18.9 (2.1)	0.12 (3.0)				

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***)

④ Torsional Stiffness values based on maximum bores, for smaller bore combinations the values are nearer the non-relieved type.

BORE SIZES 6-BEAM COUPLINGS, NON-RELIEVED

Sizes indicated in parenthesis are metric (mm).

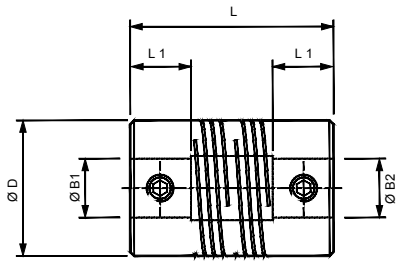
Coupling Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)															
	(2)	(3)	1/8"	(4)	3/16"	(5)	(6)	1/4"	(8)	3/8"	(10)	(12)	1/2"	(14)	5/8"	(16)
13		○	○	○	○	●	●									
16		○	○	○	○	○	●	●	●							
19					○	○	○	●	●	●						
25						○	○	○	●	●	●	●				
32									○	○	●	●	●	●	●	●
Bore ref.	11	14	16	18	19	20	22	24	28	31	32	35	36	38	41	42

○ B1 only ● B1 & B2

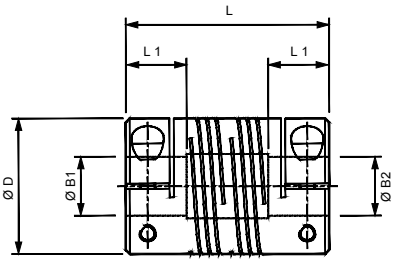
Multi-Beam

Acetal Multi-Helix Flexible 6 Beam Couplings

Set Screw Hubs



Clamp Hubs



Materials & Finishes

Couplings: Acetal (natural)
Fasteners: Stainless Steel

Temperature Range

-4°F to +140°F

(–20°C to +60°C)

6-BEAM COUPLINGS: DIMENSIONS & ORDER CODES

Coupling Type & Size		Set Screw Style	Clamp Type	ØD in. (mm)	L in. (mm)	① L1 in. (mm)	Bore Diameters Min B1	Min B2	Max B1 & B2	Mass kgx10-3	Fasteners Set Screw	Cap Screw	Torque lbs.-in. (Nm)	Wrench in. (mm)	② Angular Offset Deg.	② Parallel Offset mm	Torsional Stiffness Nm/rad	③ Peak Torque lb.in (Nm)
		COUPLING REF																
Relieved	13	730.13	–	0.50 (12.7)	0.9 (22.9)	0.26 (6.5)	3.0	4.0	5.0	3.2	M3	-	2.8 (0.3)	.059 (1.5)	5.0	.007 (0.17)	0.5	2.83 (.32)
		–	731.13								-	M2	2.0 (0.2)	.059 (1.5)				
	16	730.16	–	0.63 (15.9)	1.00 (25.4)	0.26 (6.5)	3.0	4.0	6.35	5.4	M4	-	9.2 (1.0)	.079 (2.0)	5.0	.008 (0.2)	0.7	5.40 (.61)
		–	731.16								-	M2.5	4.5 (0.5)	.079 (2.0)				
	19	730.19	–	0.75 (19.1)	1.04 (26.5)	0.26 (6.5)	4.0	5.0	8.0	7.8	M4	-	9.2 (1.0)	.079 (2.0)	7.0	0.01 (0.25)	1.0	7.70 (.87)
		–	731.19								-	M2.5	4.5 (0.5)	.079 (2.0)				
	25	730.25	–	1.0 (25.4)	1.5 (38.1)	0.43 (11.0)	5.0	6.0	10.0	21.0	M5	-	18.6 (2.1)	.098 (2.5)	7.0	.015 (0.38)	3.2	14.80 (1.67)
		–	731.25								-	M3	8.0 (0.9)	.098 (2.5)				
	32	730.32	–	1.25 (31.8)	1.25 (31.8)	2.25 (57.2)	8.0	9.53	12.7	52.0	M6	-	33 (3.7)	0.12 (3.0)	7.0	0.02 (0.5)	5.6	21.1 (2.4)
		–	731.32								-	M4	18.9 (2.1)	0.12 (3.0)				

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, RELIEVED

Sizes indicated in parenthesis are metric (mm).

Coupling Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm) (2)	(3)	1/8"	(4)	3/16"	(5)	(6)	1/4"	(8)	3/8"	(10)	(12)	1/2"
13		○	○	●	●	●							
16		○	○	●	●	●	●	●					
19					○	●	●	●	●				
25						○	●	●	●	●	●		
32									○	●	●	●	●
Bore ref.	11	14	16	18	19	20	22	24	28	31	32	35	36

○ B1 only ● B1 & B2

Step Beam Couplings - Nylon

Materials & Finishes

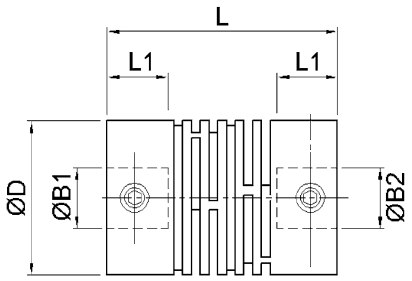
Couplings: Nylon type engineering polymer

Fasteners: Stainless Steel

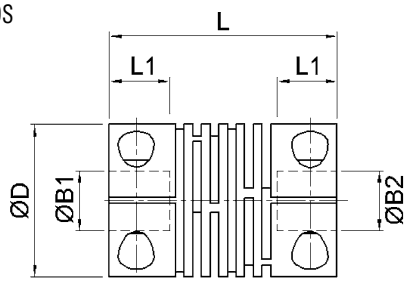
Temperature Range

-4°F to +302°F
(–20°C to +150°C)

Set Screw Hubs



Clamp Hubs



DIMENSIONS & ORDER CODES

Size	Set Screw Style	Clamp Style	Dimensions						Fasteners			
	Order Code		O.D. in. (mm)	O/A Length L in. (mm)	Max Shaft Depth L1 in. (mm)	Min Bore	Max Bore	Mass kg x 10-3	Set Screw	Cap Screw	Torque lb.-in. (Ncm)	A/F in. (mm)
25	636.25	-	0.98 (25)	1.42 (36)	0.39 (10.0)	6	12.7	17.4	M4	-	0.09 (1.0)	.079 (2.0)
	-	637.25							-	M3	0.08 (0.9)	.098 (2.5)

PERFORMANCE

Size	Peak Torque in. (Nm)	Torsional Stiffness (Nm/rad)	Max misalignment / displacement		
			Angular deg	Radial in. (mm)	Axial in. (mm)
25	0.98 (2.5)	18.0	5	.012 (0.3)	.012 (0.3)

AVAILABLE BORES

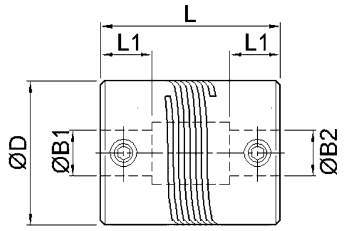
Sizes indicated in parenthesis are metric (mm).

Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)							
	(6)	1/4"	5/16"	(8)	3/8"	(10)	(12)	1/2"
25	●	●	●	●	●	●	●	●
Bore Ref	22	24	27	28	31	32	35	36

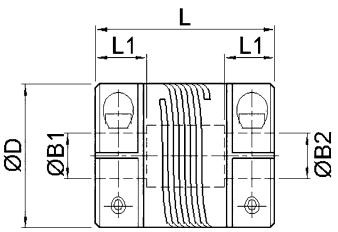
S-Beam

Single Helix Beam Couplings - Stainless Steel

Set Screw Hubs



Clamp Hubs



DIMENSIONS & ORDER CODES

Size	Set Screw Style	Clamp Style	Dimensions							Fasteners			
	Order Code		O.D. in. (mm)	O/A Length L in. (mm)	Bore Depth L1 in. (mm)	Min B1	Min B2	Max B1 & B2	Mass kg x 10-3	Set Screw	Cap Screw	Torque lb.-in. (Nm)	A/F in. (mm)
16	820.16	-	0.63 (15.9)	0.79 (20)	0.25 (6.0)	3	4	6.35	25.6	M4	-	9.2 (1.0)	0.08 (2.0)
	-	821.16		0.87 (22)	0.26 (6.5)				26.0	-	M2.5	6.0 (0.68)	0.08 (2.0)
19	820.19	-	0.75 (19.1)	0.79 (20)	0.25 (6.0)	4	4.76	8	35.8	M4	-	9.2 (1.0)	0.08 (2.0)
	-	821.19		1.1 (28)	0.31 (8.0)				47.7	-	M2.5	6.0 (0.68)	0.08 (2.0)
25	820.25	-	1.0 (25.4)	0.94 (24)	0.3 (7.5)	5	6	10	78	M5	-	18.5 (2.1)	0.1 (2.5)
	-	821.25		1.18 (30)	0.39 (10.0)				91	-	M3	10.6 (1.2)	0.1 (2.5)
32	820.32	-	1.25 (31.8)	1.18 (30)	0.39 (10.0)	6	8	16	152	M6	-	33 (3.7)	0.12 (3.0)
	-	821.32		1.5 (38)	0.47 (12.0)				186	-	M4	25 (2.8)	0.12 (3.0)
38	820.38	-	1.5 (38.1)	1.97 (50)	0.63 (16.0)	8	12	19	365	M6	-	33 (3.7)	0.12 (3.0)
	-	821.38		1.97 (50)	0.63 (16.0)				350	-	M5	51 (5.8)	0.16 (4.0)
50	820.50	-	2.0 (50.8)	2.13 (54)	0.71 (18.0)	10	16	26	680	M8	-	79 (9.0)	0.16 (4.0)
	-	821.50		2.13 (54)	0.71 (18.0)				660	-	M6	86 (9.7)	0.2 (5.0)

PERFORMANCE

Size	Peak Torque lb.-in. (Nm)	Max misalignment compensation			Nominal stiffness at std. bore size	
		Angular deg	Radial in. (mm)	Axial in. (mm)	Bore	Torsional Nm/rad
16	10.62 (1.2)	5	0.01 (0.25)	0.01 (0.25)	5	16
19	20.36 (2.3)	5	0.01 (0.25)	0.01 (0.25)	6	33
25	38.06 (4.3)	5	0.01 (0.25)	0.01 (0.25)	10	45
32	69.04 (7.8)	5	0.01 (0.25)	0.01 (0.25)	12	84
38	177 (20)	5	0.01 (0.25)	0.01 (0.25)	16	195
50	265 (30)	5	0.01 (0.25)	0.01 (0.25)	20	320

Materials & Finishes

Couplings: Stainless Steel 303 S31
Fasteners: Stainless Steel

Temperature Range

-40ºF to +284ºF
(–40°C to +140°C)

AVAILABLE BORES

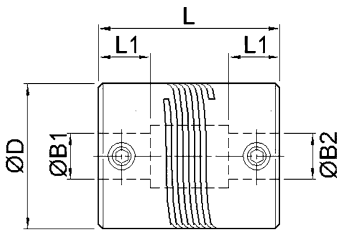
Sizes indicated in parenthesis are metric (mm).

Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)																					
	(3)	1/8"	(4)	3/16"	(5)	(6)	1/4"	5/16"	(8)	(9)	3/8"	(10)	(12)	1/2"	(14)	(15)	5/8"	(16)	3/4"	(20)	(25)	1"
16	○	○	●	●	●	●	●															
19			○	●	●	●	●		●													
25					○	●	●	●	●	●	●	●										
32						○	○	●	●	●	●	●	●	●	●	●	●					
38											○	○	●	●	●	●	●	●				
50														○	○	○	○	●	●	●	●	●
Bore Ref	14	16	18	19	20	22	24	27	28	30	31	32	35	36	38	40	41	42	47	48	52	53

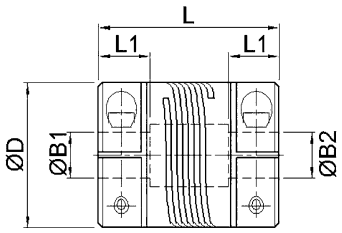
○ B1 only ● B1 & B2

Single Helix Beam Couplings - Aluminium

Set Screw Hubs



Clamp Hubs



DIMENSIONS & ORDER CODES

Size	Set Screw Style	Clamp Style	Dimensions							Fasteners			
	Order Code		O.D. in. (mm)	O/A Length L in. (mm)	Bore Depth L1 in. (mm)	Min B1	Min B2	Max B1 & B2	Mass kg x 10-3	Set Screw	Cap Screw	Torque lb.-in. (Nm)	A/F in. (mm)
16	826.16	-	0.63 (15.9)	0.79 (20)	0.25 (6.0)	3	4	6.35	8.8	M4	-	20.0 (2.2)	0.08 (2.0)
	-	827.16		0.87 (22)	0.26 (6.5)				9.8	-	M2.5	11.6 (1.3)	0.08 (2.0)
19	826.19	-	0.75 (19.1)	0.79 (20)	0.25 (6.0)	4	4.76	8	13.1	M4	-	20.0 (2.2)	0.08 (2.0)
	-	827.19		1.1 (28)	0.31 (8.0)				17.3	-	M2.5	11.6 (1.3)	0.08 (2.0)
25	826.25	-	1.0 (25.4)	0.94 (24)	0.3 (7.5)	5	6	10	28	M5	-	40 (4.6)	0.1 (2.5)
	-	827.25		1.18 (30)	0.39 (10.0)				33	-	M3	21.5 (2.4)	0.1 (2.5)
32	826.32	-	1.25 (31.8)	1.18 (30)	0.39 (10.0)	6	8	16	55	M6	-	67 (7.6)	0.12 (3.0)
	-	827.32		1.5 (38)	0.47 (12.0)				67	-	M4	50 (5.6)	0.12 (3.0)
38	826.38	-	1.25 (38.1)	1.97 (50)	0.63 (16.0)	8	12	19	127	M6	-	67 (7.6)	0.12 (3.0)
	-	827.38		1.97 (50)	0.63 (16.0)				130	-	M5	100 (11.4)	0.16 (4.0)
50	826.50	-	2.0 (50.8)	2.13 (54)	0.71 (18.0)	10	16	26	241	M8	-	164 (18.3)	0.16 (4.0)
	-	827.50		2.13 (54)	0.71 (18.0)				237	-	M6	171 (19.3)	0.2 (5.0)

PERFORMANCE

Size	Peak Torque lb-in. (Nm)	Max misalignment compensation			Nominal stiffness at std. bore size	
		Angular deg	Radial in. (mm)	Axial in. (mm)	Bore	Torsional Nm/rad
16	5.31 (0.6)	5	0.01 (0.25)	0.01 (0.25)	5	6
19	9.74 (1.1)	5	0.01 (0.25)	0.01 (0.25)	6	12
25	19.47 (2.2)	5	0.01 (0.25)	0.0.01 (0.25)	10	17
32	36.29 (4.1)	5	0.01 (0.25)	0.01 (0.25)	12	32
38	88.51 (10)	5	0.01 (0.25)	0.01 (0.25)	16	70
50	132.76 (15)	5	0.01 (0.25)	0.01 (0.25)	20	119

Materials & Finishes

Couplings: Aluminium L 168 or better

Fasteners: Alloy steel, black oiled

Temperature Range

-40ºF to +248ºF
(–40°C to +120°C)

AVAILABLE BORES

Sizes indicated in parenthesis are metric (mm).

Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)																					
	(3)	1/8"	(4)	3/16"	(5)	(6)	1/4"	5/16"	(8)	(9)	3/8"	(10)	(12)	1/2"	(14)	(15)	5/8"	(16)	3/4"	(20)	(25)	1"
16	○	○	●	●	●	●	●															
19			○	●	●	●	●		●													
25					○	●	●	●	●	●	●	●										
32						○	○	●	●	●	●	●	●	●	●	●	●					
38											○	○	●	●	●	●	●	●				
50														○	○	○	○	●	●	●	●	●
Bore Ref	14	16	18	19	20	22	24	27	28	30	31	32	35	36	38	40	41	42	47	48	52	53

○ B1 only ● B1 & B2

Notes