



FLEXIBLE SHAFT COUPLINGS

This shaft coupling connects two shafts to transmit torque, motion etc. It is a coupling which can adjust itself to misalignment of two shafts connected by it. Misalignment may be angular, parallel or skew. When motion transmission is important, the misalignment should not affect the velocity & acceleration of the shaft. This calls for a torsionally rigid, yet flexible coupling. This couplings offer you this advantages using special machining processes. Given in this leaflet are various couplings used in listed applications.

● FEATURES

- ☯ Aluminum alloy, St. Steel, Brass, Nylon material.
- ☯ Inbuilt flange clamping or set screw clamping.
- ☯ Angular offset up to 5 degrees.
- ☯ Parallel offset up to 0.2mm No Backlash.
- ☯ Constant velocity transmission.
- ☯ Torsionally stiff.
- ☯ One piece construction.



● APPLICATION

- ☯ Shaft Encoder. Tachogenerator
- ☯ Stepper & Synchronous motor.
- ☯ Damper Drives.
- ☯ Rotary position transmitter.

● OPTIONS

- ☯ Different Outer Diameters & Bore Sizes.
- ☯ Higher torsional Versions.
- ☯ Different materials.

● STANDARD SIZES ●

Sr.No.	Outer Dia.	d1 H7	d2 H7	Length	Order Code
	D mm	mm	mm	L mm	
1	20.00	6.00	6.00	28.00	AS / AF 20-6-6,L=28
2	25.00	6.00	6.00	32.00	AS / AF 25-6-6,L=32
3	25.00	6.00	8.00	32.00	AS / AF 25-6-8,L=32
4	25.00	6.00	10.00	32.00	AS / AF 25-6-10,L=32
5	25.00	8.00	8.00	32.00	AS / AF 25-8-8,L=32
6	25.00	8.00	10.00	32.00	AS / AF 25-8-10,L=32
7	25.00	10.00	10.00	32.00	AS / AF 25-10-10,L=32

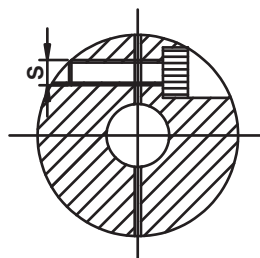
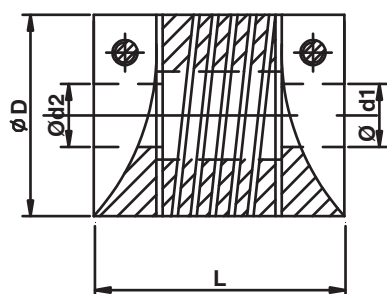
● Technical Details ●

Size O.D. mm	Rated Torque Nm	Max.	Shaft	Misalignment	Torsional Spring Rate Ncm/rad	Clamping Screw Tightening Torque Ncm
		Lateral mm	Axial mm	Angular Degree		
14	0.5	0.15	0.15	3	475	50
16	0.60	0.15	0.15	3	575	50
20	1.4	0.2	0.2	5	1250	100
25	2.5	0.2	0.2	5	1675	100
32	7	0.25	0.25	5	2000	200
35	8.5	0.25	0.25	5	2250	200
40	11	0.25	0.25	5	2500	400
50	25	0.25	0.25	5	3000	400

Other Bore Size combination is also available as per customer requirement.



Table No.1 AF Type coupling

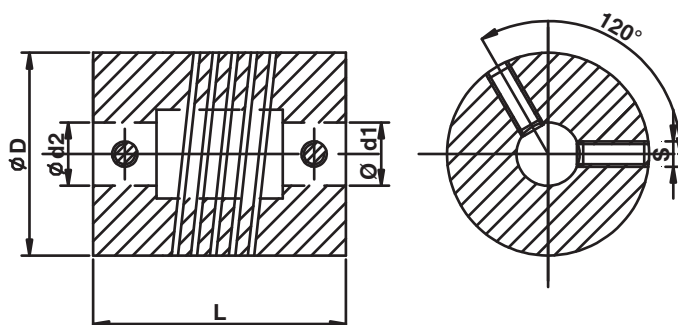


Outer Dia.	Length	d1 and d2 H7 mm	Clamping
D	L	Min.-Max.	Screw S
14	20	2.00-4.00	M2.5
16	24	3.00-6.00	M2.5
20	28	4.00-10.00	M3
25	32	5.00-11.00	M3
32	40	8.00-12.00	M4
35	40/50	10.00-17.00	M5
40	50	11.00-20.00	M5
50	50/60	12.00-25.00	M6

Table No.2 AS Type coupling



Outer Dia.	Length	d1 and d2 H7 mm	Clamping
D	L	Min.-Max.	Screw S
14	20	2.00-4.00	M3
16	24	3.00-8.00	M3
20	28	4.00-11.00	M4
25	32	5.00-12.70	M4
32	40	8.00-15.00	M4
35	40/50	10.00-20.00	M5
40	50	11.00-25.00	M5
50	50/60	12.00-30.00	M6



● AF Type

AF Type means, clamping with Allen Screw. This type is also called as Clamping Hub type clamping arrangement. This gives full surface grip with shaft and the chances of slipping are very less. We normally recommend this type of clamping.

● AS Type

AS Type means, the clamping with set screw. This type is also called as Set Screw type clamping arrangement. This type of clamping gives Point contact with shaft and the chances of slipping are more. We recommend this type clamping only for D shape shafts.



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