

INDIA'S NO **1**

MANUFACTURER OF FLEXIBLE SHAFT COUPLING



SOHAM ENGINEERS

Great People

Great Brand

Great Company

Great Future

SOHAM ENGINEERS

Bagoda House, Plot No. 56 PAP, J Block Indrayani Nagar Road, MIDC, Bhosari, Pune-411 026
Maharashtra, India,

Ph No. 91-20-27124622, Fax:-91-20-27124622 Mobile:-+ 91 0 9764444391

Website:- www.sohamengineers.com. E-mail- : sales@sohamengineers.com

SOHAM ENGINEERS COMPANY PROFILE



We **Soham Engineers** are pleased to introduce ourselves as a leading manufacturer of **Flexible Shaft Couplings**. These couplings are equivalent to all necessary standards. We have a very skilled manufacturing team with precision SPM's and precise measuring instruments. In responsible response of our valued customers made us grow as we see today. We always believe in

QUALITY MAKES PRODUCT & CUSTOMERS PERFECT

SOHAM ENGINEERS is a company with little time to look back these days. Growth and change are coming at a rapid pace for this industry leader as it moves and adapts to the enormous opportunities of the 21st Century PRECISION MOTION TRANSMITTING COUPLINGS market place. But that doesn't mean there's little by way of past accomplishment. In fact, it is precisely **SOHAM ENGINEER's** long and proud record of achievement that serves as inspiration and foundation for its future.

From its roots **SOHAM ENGINEERS** has grown to become the nation's largest MANUFACTURER of premium quality FLEXIBLE SHAFT COUPLINGS.

OUR EXPERIENCE: -SOHAM ENGINEERS is having a vast experience of 16 years, in the field of manufacturing of FLEXIBLE SHAFT COUPLINGS.

OUR INVESTMENT: - Highly skilled and quality devoted staff.

OUR EARNING: - 852 INDIAN and 46 FOREIGN satisfied customers.

OUR CAPACITY: - We are manufacturing 1,00,000 couplings per annum, this capacity is increasing day by day.

OUR MARKET PLACE: - Worldwide.

OUR SPECIALITY: - Most competitive rates with high quality, timely delivery. We supply in metric as well as Inches size. Also we can manufacture as per customer's requirement and design.

OUR GOAL: - Customer satisfaction

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PRODUCT

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 Dia & Bore Sizes.
- ▶ Higher torsional Versions.
- ▶ Different materials.



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STANDARD SIZES



Sr. No.	OD D	d1 H7	d2 H7	LENGTH	ORDER CODE
1	20.00	6.00	6.00	28.00	AS/AF 20-6-6,L=28
2		6.00	8.00		AS/AF 20-6-8,L=28
3		6.35	8.00		AS/AF 20-6.35-8,L=28
4		6.00	6.35		AS/AF 20-6-6.35,L=28
5		6.35	6.35		AS/AF 20-6.35-6.35,L=28
6	25.00	6.00	8.00	32.00	AS/AF 25-6-8,L=32
7		6.00	10.00		AS/AF 25-6-10,L=32
8		8.00	8.00		AS/AF 25-8-8,L=32
9		10.00	10.00		AS/AF 25-10-10,L=32
10		6.00	9.52		AS/AF 25-6-9.52,L=32
11		6.00	6.35		AS/AF 25-6-6.35,L=32
12		6.00	10.00		AS/AF 25-6-10,L=32
13		8.00	10.00		AS/AF 25-8-10,L=32
14		6.35	8.00		AS/AF 25-6.35-8,L=32
15		6.35	10.00		AS/AF 25-6.35-10,L=32

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

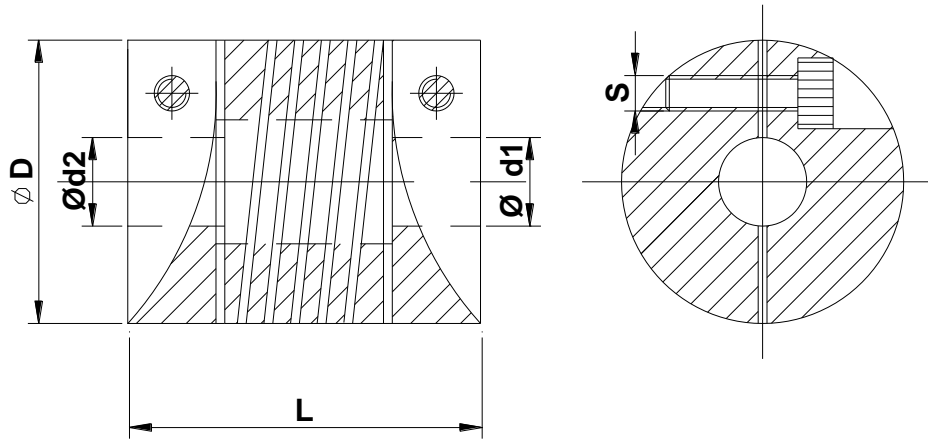
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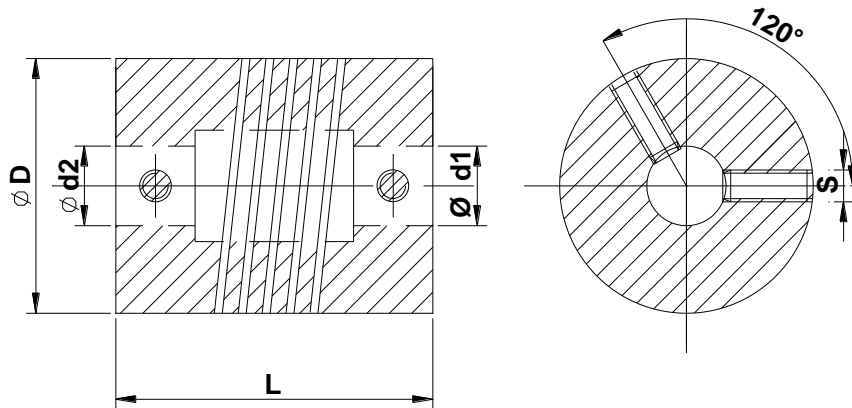
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Technical Details



AF Type coupling



AS Type coupling

Table No.1 AF Type

D	L	d1/d2 H7	S
14	20	Min 2mm-Max 4mm	M2
16	24	Min 3mm-Max 6mm	M2.5
20	28	Min 4mm-Max 8mm	M3
25	32	Min 5mm-Max 11mm	M3
32	40	Min 8mm-Max 12mm	M4
35	40/50	Min 10mm-Max 17mm	M5
40	50	Min 11mm-Max 20mm	M5
50	60	Min 12mm-Max 25mm	M6

Table No. 2 AS Type

D	L	d1/d2 H7	S
14	20	Min 2mm- Max 4mm	M2
16	24	Min 3mm-Max 6mm	M3
20	28	Min 4mm-Max 8mm	M3
25	32	Min 5mm-Max 11mm	M4
32	40	Min 8mm-Max 12mm	M4
35	40/50	Min 10mm-Max 17mm	M5
40	50	Min 11mm-Max 20mm	M6

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Technical Details

Table No.3

Size	Rated Torque Nm	Max. Shaft Misalignments		Spring Rate		Spring Rate	Momentum of Inertia	Clamping Screw Tightening torque Nm
		Lateral mm	Axial mm	Lateral	Axial	Torsion Nm/rad		
20	1.40	0.20	0.40	135	150	420	11.0	2.10
25	2.50	0.20	0.40	147	158	1350	32.0	2.10
32	7.00	0.25	0.45	178	225	2000	88.0	4.60
35	8.50	0.25	0.45	185	260	2250	99.0	4.60
40	11.00	0.25	0.45	210	310	2500	125.0	6.00
50	25.00	0.25	0.45	300	450	3000	156.0	6.00

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 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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