

Series CO motion transmission devices

- Mod. COE: elastomer coupling with clamps
- Mod. COS: elastomer coupling with expansion shaft
- Mod. COT: self-centering locking-set

SERIES CO MOTION TRANSMISSION DEVICES



The motion transmission devices are necessary for a proper connection of electromechanical axes and cylinders with motors or gearboxes.

Mod. COE couplings are composed of two hubs with a high concentricity clamp and an elastomeric element.

Mod. COS couplings are composed of one hub with a high concentricity clamp, a hub with expansion shaft and an elastomeric element.

The torque transmission is performed without angular play or vibrations. Both couplings are without angular play thanks to the pretensioning of the elastomer between the two semi-couplings.

Mod. COT locking-sets are composed by an internal and an external conical ring connected with each other by means of several screws. Through the tightening of the screws, an axial force is generated that enables the torque transmission from the shaft to the hub.

AVAILABLE STANDARD DIAMETERS

Size	6.35	8	10	11	12	14	15	16	19	20	24	25	32
5	x	x	x	x									
10	x	x	x		x	x	x	x					
20					x	x	x	x	x	x	x		
60						x		x	x	x	x	x	x

MOD. COE CODING EXAMPLE

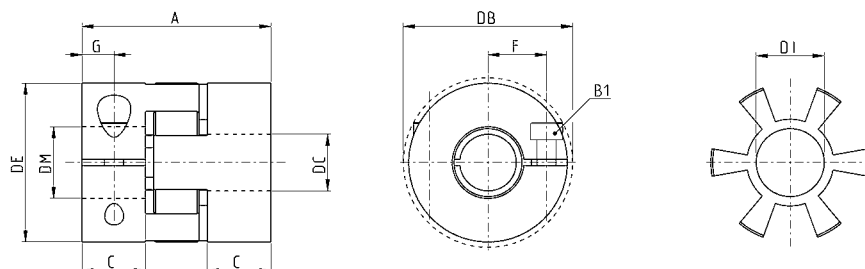
COE	-	10	-	1200	-	1400	-	A
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COE	SERIES MODEL
10	SIZE: 05 10 20 60
1200	<p>HOLE DIAMETER 1:</p> <p>0635 = 6,35 mm (for sizes 5 and 10 only) 0800 = 8,00 mm (for sizes 5 and 10 only) 1000 = 10,00 mm (for sizes 5 and 10 only) 1100 = 11,00 mm (for size 5 only) 1200 = 12,00 mm (for sizes 10 and 20 only) 1400 = 14,00 mm (for sizes 10, 20 and 60 only) 1500 = 15,00 mm (for sizes 10 and 20 only)</p> <p>1600 = 16,00 mm (for sizes 10, 20 and 60 only) 1900 = 19,00 mm (for sizes 20 and 60 only) 2000 = 20,00 mm (for sizes 20 and 60 only) 2400 = 24,00 mm (for sizes 20 and 60 only) 2500 = 25,00 mm (for size 60 only) 3200 = 32,00 mm (for size 60 only)</p>
1400	<p>HOLE DIAMETER 2:</p> <p>0635 = 6.35mm (for sizes 5 and 10 only) 0800 = 8.00mm (for sizes 5 and 10 only) 1000 = 10.00mm (for sizes 5 and 10 only) 1100 = 11.00mm (for size 5 only) 1200 = 12.00mm (for sizes 10 and 20 only) 1400 = 14.00mm (for sizes 10, 20 and 60 only) 1500 = 15.00mm (for sizes 10 and 20 only)</p> <p>1600 = 16.00mm (for sizes 10, 20 and 60 only) 1900 = 19.00mm (for sizes 20 and 60 only) 2000 = 20.00mm (for sizes 20 and 60 only) 2400 = 24.00mm (for sizes 20 and 60 only) 2500 = 25.00mm (for size 60 only) 3200 = 32.00mm (for size 60 only)</p>
A	ELASTOMER HARDNESS: A = 98 Sh A B = 64 Sh D (for sizes 10 and 20 only)

Elastomer coupling with clamps Mod. COE



DC: hole 1 diameter
DM: hole 2 diameter
See the CODING EXAMPLE



Size	\varnothing_{DE}	\varnothing_{DB}	\varnothing_{DI}	A	C	F	G	B1 [ISO 4762]	Tightening torque (Nm)	Nominal torque with elastomer A (Nm)	Nominal torque with elastomer B (Nm)
05	25	25	10.2	26	8	8	4	M3 (CH2.5)	2	9	-
10	32	32	14.2	32	10.3	10.5	5	M4 (CH3)	4	12.5	16
20	42	44.5	19.2	50	17	15.5	8.5	M5 (CH4)	8	17	21
60	56	57	26.2	58	20	21	10	M6 (CH5)	15	60	-

MOD. COS CODING EXAMPLE

COS	-	10	-	2000	-	1400	-	A
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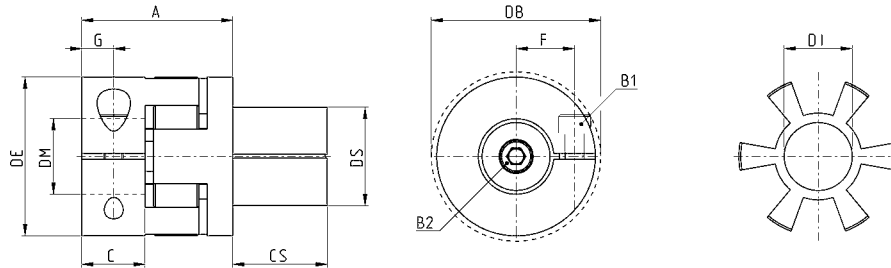
COS	SERIES MODEL
10	SIZE: 10 20 60
2000	SHAFT DIAMETER: 2000 = 20.00mm (for size 10 only) 2600 = 26.00mm (for size 20 only) 3800 = 38.00mm (for size 60 only)
1400	HOLE DIAMETER: 0635 = 6.35mm (for size 10 only) 0800 = 8.00mm (for size 10 only) 1000 = 10.00mm (for size 10 only) 1200 = 12.00mm (for sizes 10 and 20 only) 1400 = 14.00mm (for sizes 10, 20 and 60 only) 1500 = 15.00mm (for sizes 10 and 20 only) 1600 = 16.00mm (for sizes 10, 20 and 60 only) 1900 = 19.00mm (for sizes 20 and 60 only) 2000 = 20.00mm (for sizes 20 and 60 only) 2400 = 24.00mm (for sizes 20 and 60 only) 2500 = 25.00mm (for size 60 only) 3200 = 32.00mm (for size 60 only)
A	ELASTOMER HARDNESS: A = 98 Sh A B = 64 Sh D (for sizes 10 and 20 only)

SERIES CO MOTION TRANSMISSION DEVICES

Elastomer coupling with expansion shaft Mod. COS

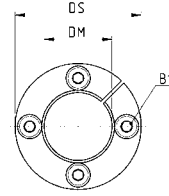
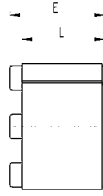


DS: shaft diameter
DM: hole diameter
See the CODING EXAMPLE



Size	\varnothing_{DE}	\varnothing_{DB}	\varnothing_{DI}	A	C	CS	F	G	B1 [ISO4762]	Tightening torque (Nm)	B2 [ISO4762]	Tightening torque (Nm)	Nominal torque with elastomer A (Nm)	Nominal torque with elastomer B (Nm)
10	32	32	14.2	28	10.3	20	10.5	5	M4 (CH3)	4	M5 (CH4)	9	12.5	16
20	42	44.5	19.2	40	17	25	15.5	8.5	M5 (CH4)	8	M6 (CH5)	12	17	21
60	56	57	26.2	46	20	27	21	10	M6 (CH5)	15	M8 (CH6)	32	60	-

Self-centering locking-set Mod. COT



Mod.	\varnothing_{DS}	\varnothing_{DM}	L	E	B1	Torque force (Nm)	Nominal torque (Nm)	Weight (g)
COT-2000-1000	20	10	13	15.5	M2.5 (CH2.5)	1.2	19	25
COT-2600-1400	26	14	17	20	M3 (CH2.5)	2.1	40	50
COT-3800-2000	38	20	21	26	M5 (CH4)	4.9	165	140
COT-4700-2500	47	25	26	32	M6 (CH5)	17	290	200