

# 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

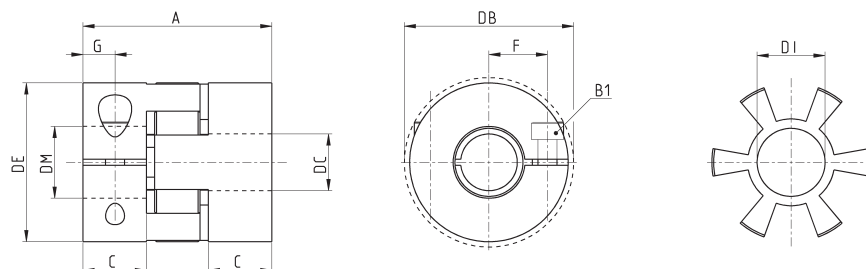
COE	-	10	-	1200	-	1400	-	A
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<b>COE</b>	SERIES MODEL
<b>10</b>	SIZE: 05 10 20 60
<b>1200</b>	<p>HOLE DIAMETER 1:</p> <p>0635 = 6,35 mm (for sizes 5 and 10 only)  0800 = 8,00 mm (for sizes 5 and 10 only)  1000 = 10,00 mm (for sizes 5 and 10 only)  1100 = 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>
<b>1400</b>	<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>
<b>A</b>	<p>ELASTOMER HARDNESS:</p> <p>A = 98 Sh A  B = 64 Sh D (for sizes 10 and 20 only)</p>

## 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**

<b>COS</b>	-	<b>10</b>	-	<b>2000</b>	-	<b>1400</b>	-	<b>A</b>
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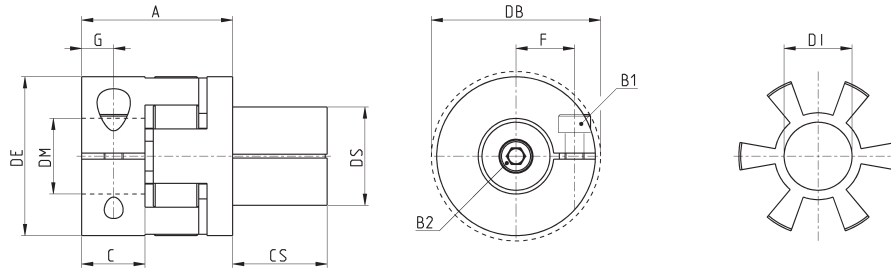
<b>COS</b>	SERIES MODEL
<b>10</b>	SIZE: 10 20 60
<b>2000</b>	SHAFT DIAMETER: 2000 = 20.00mm (for size 10 only) 2600 = 26.00mm (for size 20 only) 3800 = 38.00mm (for size 60 only)
<b>1400</b>	HOLE DIAMETER: 0635 = 6.35mm (for size 10 only) 0800 = 8.00mm (for size 10 only) 1000 = 10.00mm (for size 10 only) 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)
<b>A</b>	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**

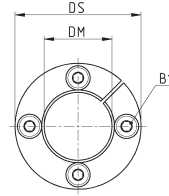
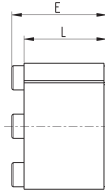


DS: shaft diameter  
DM: hole diameter  
See the CODING EXAMPLE



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)
<b>10</b>	32	32	14.2	28	10.3	20	10.5	5	M4 (CH3)	4	M5 (CH4)	9	12.5	16
<b>20</b>	42	44.5	19.2	40	17	25	15.5	8.5	M5 (CH4)	8	M6 (CH5)	12	17	21
<b>60</b>	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)
<b>COT-2000-1000</b>	20	10	13	15.5	M2.5 (CH2.5)	1.2	19	25
<b>COT-2600-1400</b>	26	14	17	20	M3 (CH2.5)	2.1	40	50
<b>COT-3800-2000</b>	38	20	21	26	M5 (CH4)	4.9	165	140
<b>COT-4700-2500</b>	47	25	26	32	M6 (CH5)	17	290	200