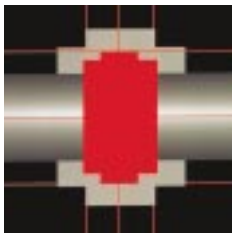
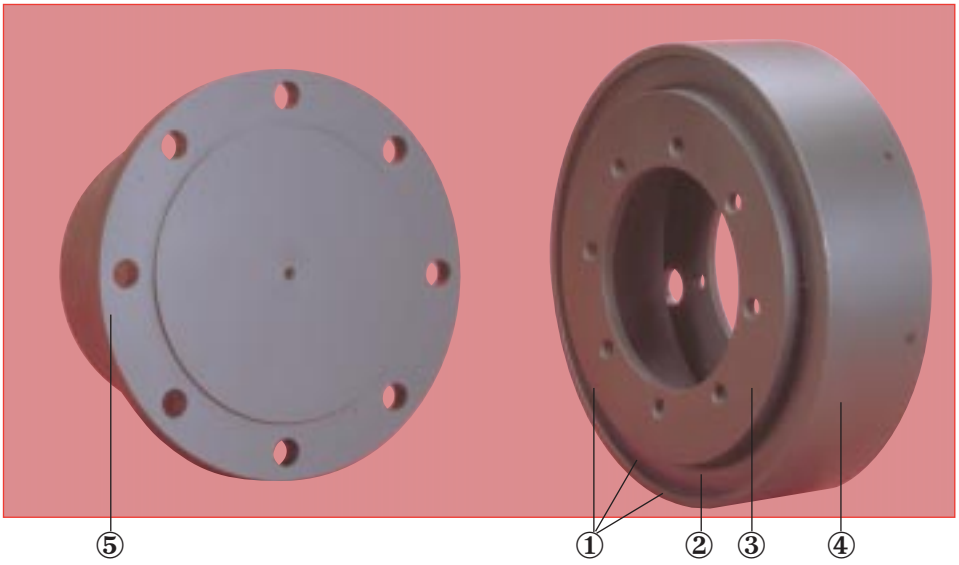


TORSOFLEX

* * Torsional flexibility	Radial flexibility	* Axial flexibility	Conical flexibility



DESCRIPTION

- Flexible element ① composed of :
  ② Natural rubber ring.
  ③ Internal armature bonded to the rubber.
  ④ External collar force fitted to the rubber.
- Flanges ⑤ : die-cast steel fixed onto the internal armature ③ and collar ④.

OPERATION

The TORSOFLEX coupling is designed with the following features :

- The rubber ring is precompressed to provide high torsional flexibility.
- Smooth, compact, cylindrical shape without protrusion.
- Radial disassembly without moving the coupled machines (the flexible element should be compressed axially using clamps).

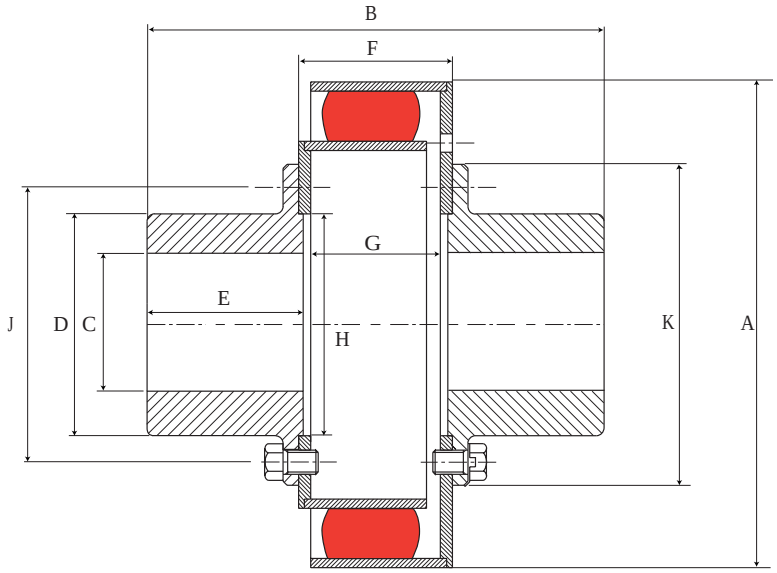
Advantages :

- Very high resistance to oscillation.
- High rotational speed.

Recommendation :

- As the TORSOFLEX coupling is usually used at high speed, the assembly must be well aligned.

DIMENSIONS



Nominal torque N.m	Max torque N.m	Max speed rpm	Hole size C mm		A mm	B mm	D mm	E mm	Reference	F mm	G mm	H mm	J mm	K mm	Number and Ø of fixing screws	Weight kg
			min	max												
1200	2400	4000		80	252	250	115	85	682080	86	80	115	145	168	16 - M12	25
2500	5000	3500		100	318	299	145	102	682100	100	94	145	180	210	12 - M16	50
5000	10000	3200	28	120	370	382	177	136	682120	116	110	178	213	247	16 - M16	90
10000	20000	3000	32	150	430	439	210	155	682140	135	129	178	260	290	16 - M20	145

1 Nm ≠ 0,1 mkg

See current price list for availability of items.

The maximum torque is considered to be an infrequent start-up torque and is not periodic.

OPERATING CHARACTERISTICS

Nominal torque N.m	Vibrat. coupling N.m	Torsion under NT degrees	STIFFNESS			
			AXIAL daN/mm	RADIAL daN/mm	TORSIONAL m.KN/rad.	CONICAL m.KN/rad.
1200	600	6	80	350	11.4	8.6
2500	1250	6	120	500	23.9	14.3
5000	2500	6	180	750	47.8	25.8
10000	5000	6	250	1100	95.5	45.9

1 Nm ≠ 0.1 mkg

PARTS LIST

Coupling reference	Flexible element reference	Qty	Flange reference	Qty
682080	682580	1	321147	2
682100	682600	1	321154	2
682120	682620	1	321167	2
682140	682640	1	321191	2

ASSEMBLY

Method :

- Mount the flanges ⑤ on the ends of the shafts of the machines.
- Fix the flanges to the internal armature ③ and to the external collar ④.