



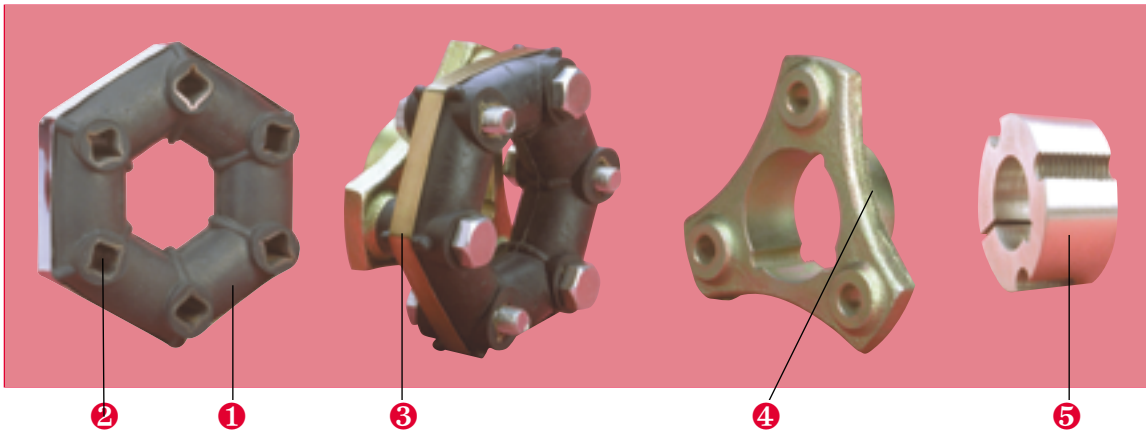
# JUBOFLEX<sup>®</sup> WITH SEPARATE HUB

\*\*\* Torsional flexibility

\*\* Radial flexibility

\*\*\* Axial flexibility

\*\*\* Conical flexibility



## DESCRIPTION

Flexible element :

- ① Precompressed natural rubber.
- ② Bonded metal spacers.
- ③ Precompression band (to be removed after installation).

• Flange :

- ④ Die-cast steel specially bored to fit the separate hub.
- ⑤ Universal separate hub (not supplied by PAULSTRA).

## OPERATION

In addition to the characteristics described above, the separate hub used in conjunction with the JUBOFLEX coupling provides the advantage :

Ready to assemble without machining the flanges.

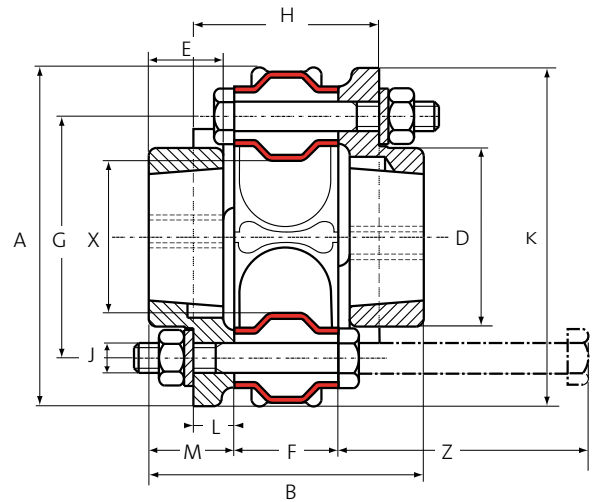
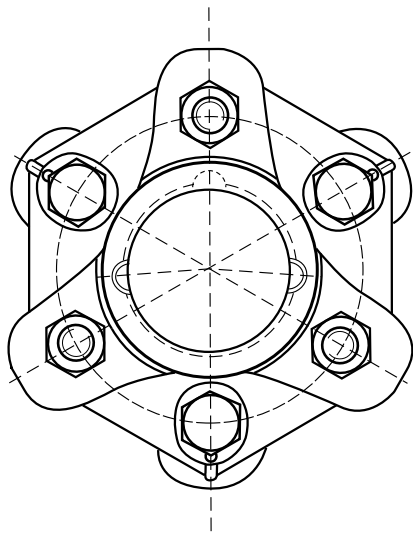
**Advantages :**

- Reduced size.
- Simplified axial positioning.
- Easy to assemble and disassemble.
- Reduction of costs by simplifying the machining required for the shafts and flanges.

**Recommendation :**

- In use, precompression is achieved by the fixing bolts and the JUBOFLEX coupling operates without the precompression band round the flexible element.

# DIMENSIONS



Nominal torque (N.m)	Max torque (N.m)	Max speed (rpm)	Separate hub*	Ref.	A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	L (mm)	M (mm)	X (mm)	Z (mm)	Weight (kg)
40	120	6000	SEE PARTS LIST	<b>632205</b>	91	74	48	20	28	65	54	8	91	11	23	23	65	0.8
90	270	5000		<b>632210</b>	117	90	60	25	32	85	65	10	121	14	29	35	75	1.6
160	480	4500		<b>632217</b>	142	106	70	25	46	100	81	12	140	17	30	40	90	2.7
250	750	3500		<b>632226</b>	181	121	95	30	51	132	91	14	177	21	35	63	100	5

1 N.m ≈ 0.1 mkg

Please see current price list for availability of items.

\* For shaft diameters, please refer to the hub manufacturers' specifications.

The maximum torque is considered to be an infrequent start-up torque and is not periodic. For higher nominal torque see "Juboflex S".

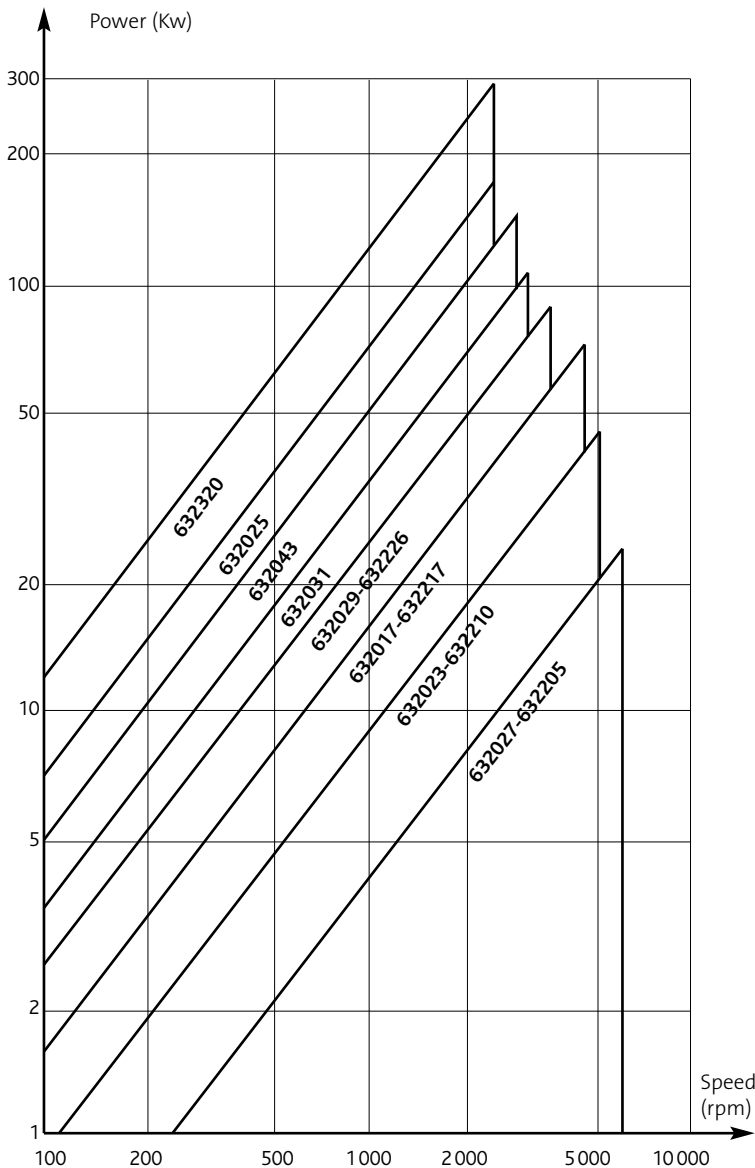
# PARTS LIST

The flexible elements are delivered precompressed using a precompression band which should be removed after installation.

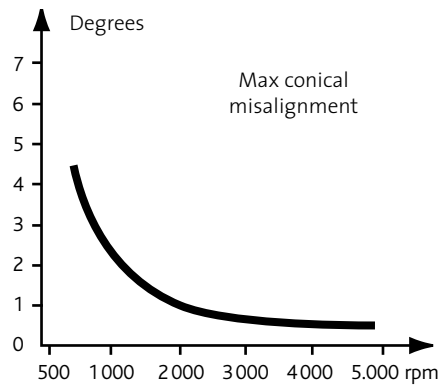
Coupling reference	Flexible element reference	Qty	Flange reference	Qty	SEPARATE HUB	
					Current reference	Universal reference
<b>632205</b>	<b>632502</b>	1	321316	2	28-20	11-08
<b>632210</b>	<b>632503</b>	1	321326	2	30-25	12-10
<b>632217</b>	<b>632505</b>	1	321336	2	40-25	16-10
<b>632226</b>	<b>632507</b>	1	321346	2	50-30	20-12

# OPERATING LIMITS

## POWER RANGE



## CONICAL MISALIGNMENT



## RADIAL MISALIGNMENT

Nominal torque N.m	Radial misalignment at 1,500 rpm
40	0.7 mm
90	0.9 mm
160	1.4 mm
250	1.5 mm
350	1.8 mm
500	2.0 mm
700	2.1 mm
1200	2.4 mm

# OPERATING CHARACTERISTICS

Nominal torque (N.m)	Vibratory coupling (N.m)	Torsion under NT (degrees)	STIFFNESS			
			AXIAL (daN/mm)	RADIAL (daN/mm)	TORSIONAL (m.KN/rad.)	CONICAL (m.KN/rad.)
40	20	8	6	20	0.285	0.04
90	45	8	8	30	0.57	0.057
160	80	8	11	45	1.14	1.143
250	125	7	11.5	30	2.12	0.57
350	175	7	10	30	2.75	0.57
500	250	7	11	30	4.3	0.57
700	350	8	12	35	4.5	0.86
1200	600	6.30	15	60	10.6	1.14

1 N.m ≈ 0.1 mkg

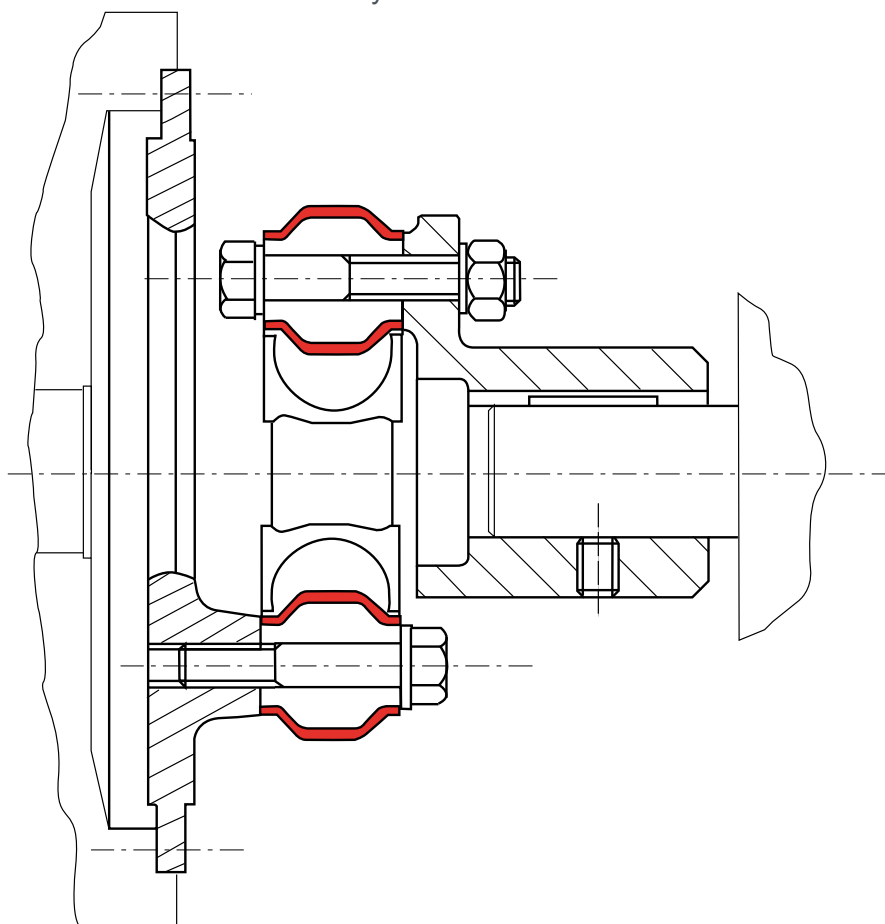
Please see current price list for availability of items.

# ASSEMBLY

- Precompression for the initial installation is achieved by a band **3** placed round the outside (our flexible elements are delivered with this band).
- Position the flexible element with its band to attach three non-adjacent holes to the three arms of one flange, and then the three other holes to the other flange.
- Tighten the bolts to the following torques :

Couple nominal TCN (N.m)	Référence	Couple de serrage (N.m)
40	<b>632027/632205</b>	21
90	<b>632023/632210</b>	41
160	<b>632017/632217</b>	72
250	<b>632029/632226</b>	113
350	<b>632031</b>	240
500	<b>632043</b>	350
700	<b>632025</b>	350
1 200	632320	350

Cut the original band or remove th disassembly band.



Example : internal combustion engine/generator coupling mounted on a ring attached to the fly wheel.

- Cut the original band or remove th disassembly band.