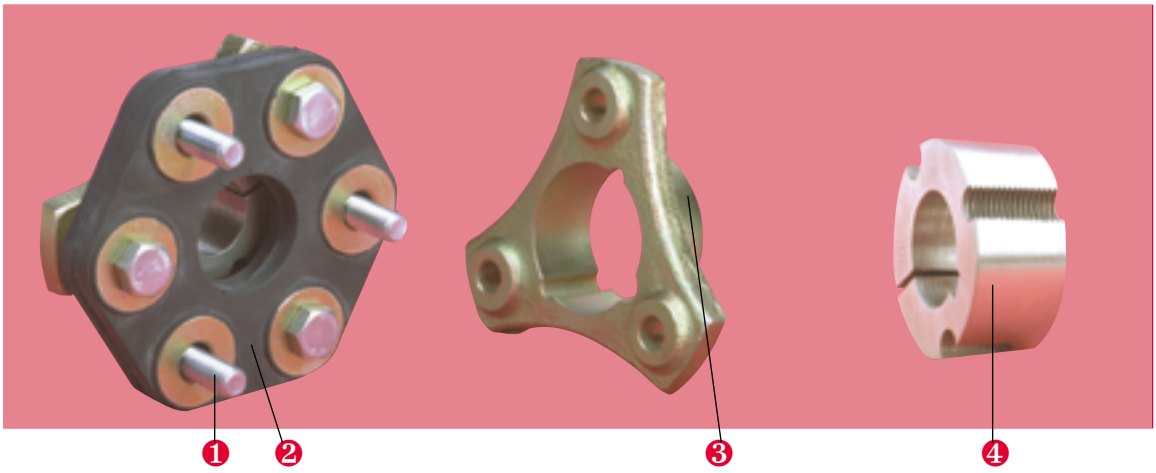
STRAFLEX ®
WITH SEPARATE HUB

*	Torsional flexibility	*	Radial flexibility	**	Axial flexibility	**	Conical flexibility



DESCRIPTION

- Flexible element :
  1. Metallic bobbins linked together by rayon fibres.
  2. The whole unit 1 is potted in natural rubber and is hexagonal.

- Flange :
  3. Forged steel specially bored to accommodate the separate hub.
  4. Universal separate hub (not supplied by PAULSTRA).

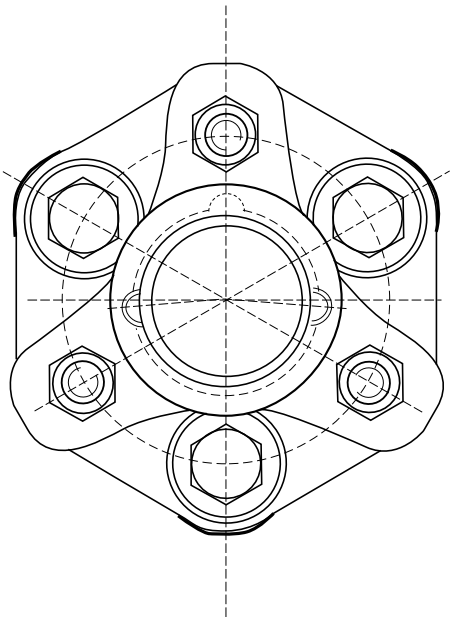
OPERATION

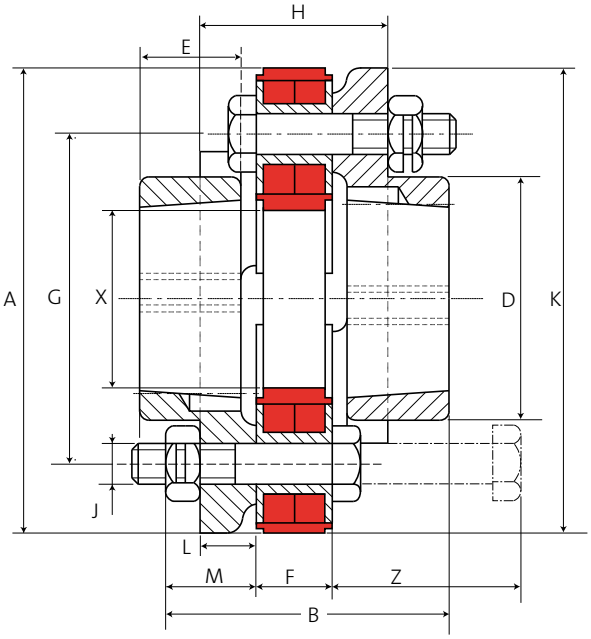
In addition to the characteristics described above, the separate hub used in conjunction with the STRAFLEX coupling provides the advantage: ready to assemble without machining.

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

Recommendation :
- The reinforced textile structure means that it has a low tolerance to irregularities in the torque.

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)	Wg (kg)
100	200	5500	SEE PARTS LIST	**635305**	94	61	48	20	15	65	41	8	91	11	23	28	45	0.9
200	400	5000		**635306**	120	76	60	25	18	85	51	12	121	14	29	40	60	1.6
400	800	4500		**635307**	140	81	70	25	21	100	56	14	140	17	30	44	70	2.7
800	1600	3500		**635308**	178	96	95	30	26	132	66	16	177	21	35	66	80	5

1 N.m ≈0.1 mkg

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

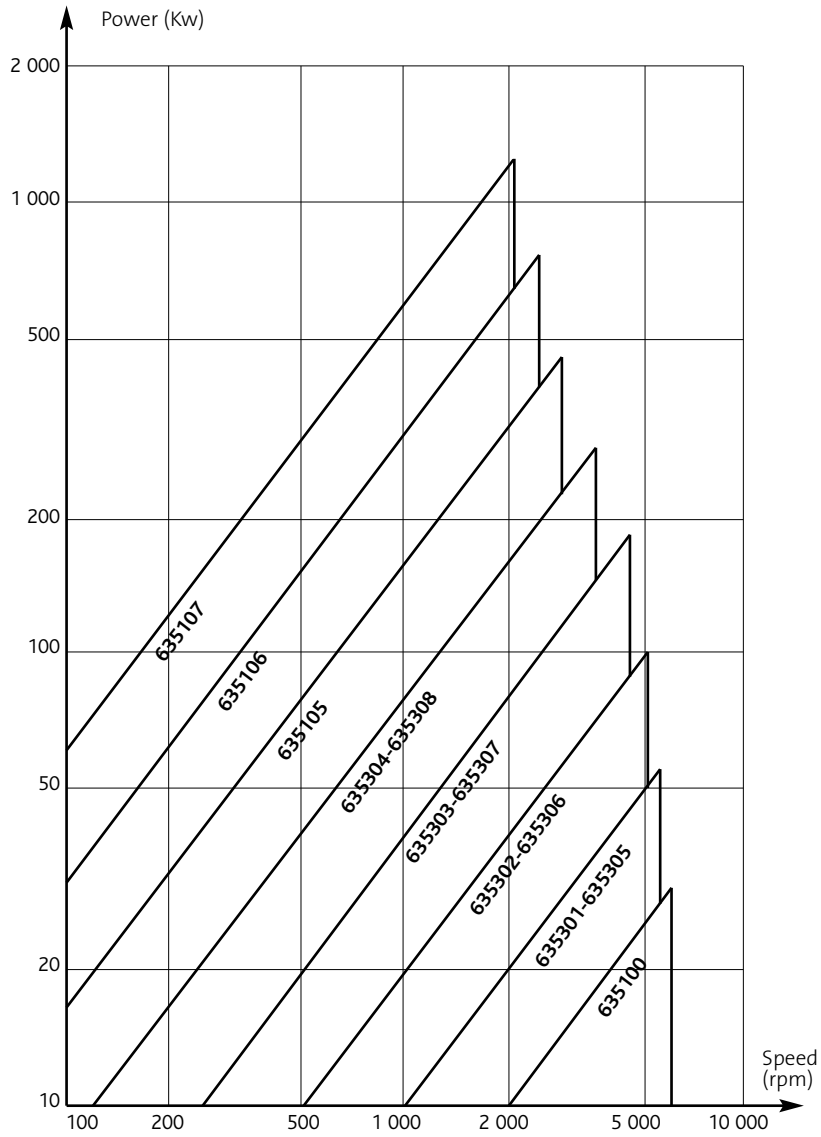
The maximum torque is considered to be an infrequent start-up torque and not periodic.

PARTS LIST

Coupling reference	Flexible element reference	Qty	Flange reference	Qty	SEPARATE HUB	
					Current reference	Universal reference
635305	**635632**	1	321316	2	28 -20	11 -08
635306	**635633**	1	321815	2	30 -25	12 -10
635307	**635634**	1	321819	2	40 -25	16 -10
635308	**635635**	1	321827	2	50 -30	20 -12

OPERATING LIMITS

POWER RANGE



OPERATING CHARACTERISTICS

Nominal torque (N.m)	Vibrat. coupling (N.m)	Torsion under NT (degrees)	STIFFNESS			
			AXIALE (daN/mm)	RADIAL (daN/mm)	TORSIONAL (m.KN/rad.)	CONICAL (m.KN/rad.)
50	25	6	30	150	0.46	0.08
100	50	3	20	70	1.9	0.114
200	100	1°45	25	180	6.6	0.2
400	200	2°30	60	150	9.2	0.29
800	400	1°45	30	150	26	0.57
1600	800	2°20	50	150	40	1.43
3200	1600	2	120	180	73	2.3
6 000	3000	2	75	200	172	3.44

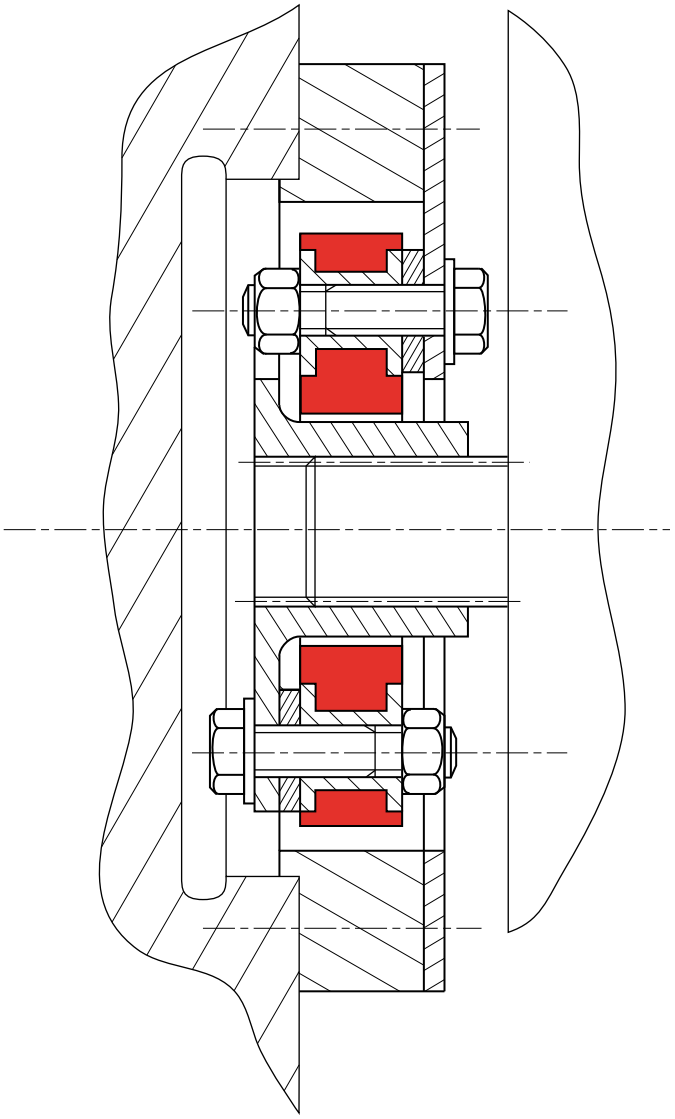
1 N.m ≈0.1 mkg

ASSEMBLY

Method :

- Mount the flanges on the shafts of the machines to be coupled.
- Position the flexible element to attach three non-adjacent bobbins to one flange with bolts, then attach the three other bobbins to the second flange.

NOTE : For the 635100 coupling, the bolts are replaced by welded studs and so this must be assembled by pushing the flanges together.



Example : electric motor/volumetric pump coupling :
mounted on channelled shaft and flywheel.