



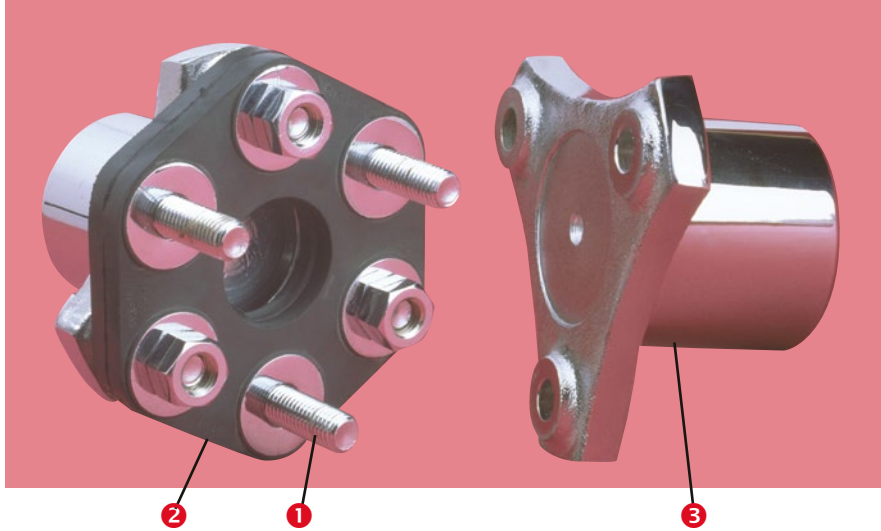
STRAFLEX®

* 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.

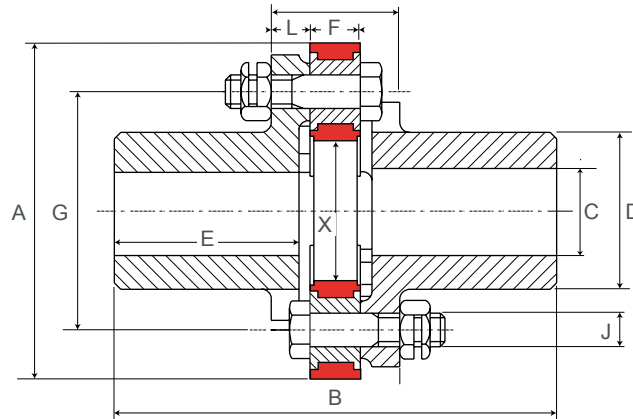
Operation

- The STRAFLEX coupling is designed with the following features :
- Radial disassembly without moving the machines that are coupled.
 - Reduced size.
 - Used at relatively high rotational speeds.

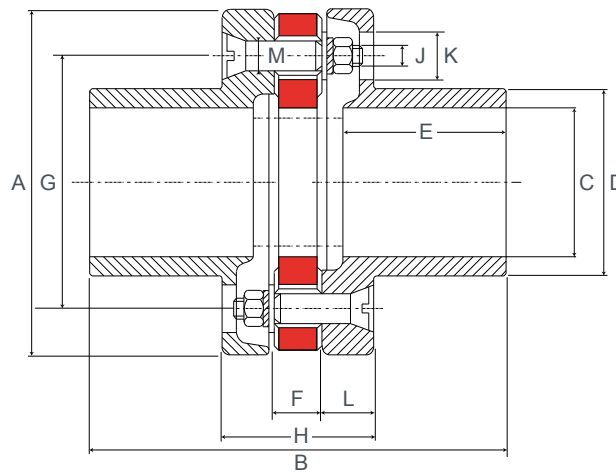
Recommendation :

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

DIMENSIONS



Assembly of models ref. 635301, 635302, 635303, 635304



Flanges supplied unbores

Assembly of models ref. 635105, 635106, 635107: screws with countersunk heads

Warning : The coupling ref. 635100 is equipped with welded studs instead of the standard bolts. It's assembly is done simply by pushing the elements on the flanges.

Nominal torque (N.m)	Max torque (N.m)	Max speed (rpm)	Hole size C (mm)		A (mm)	B (mm)	D (mm)	E (mm)	Ref.	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	L (mm)	M (mm)	X* (mm)	Weight (kg)
			min	max														
50	100	6 000	-	30	78	80	43	32	635100	12	50	32	-	-	8	7,8	20	1,3
100	200	5 500	-	30	94	115	42	40	635301	15	65	37	10	-	11	-	28	1,6
200	400	5 000	-	40	120	158	56	66	635302	18	85	46	12	-	14	-	40	3
400	800	4 500	-	48	140	171	68	70	635303	21	100	55	14	-	17	-	44	5,5
800	1 600	3 500	-	60	178	222	90	93	635304	26	132	68	16	-	21	-	66	12
1 600	3 200	2 800	-	100	232	280	126	110	635105	32	170	102	14	32	35	20	86	36
3 200	6 400	2 400	-	110	268	340	142	123	635106	42	190	130	16	37	44	24	94	50
6 000	12 000	2 000	-	145	330	424	184	160	635107	48	240	136	16	37	44	24	120	97

1 N.m ≈ 0,1 mkg

Please see current price list for availability of items.

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

PARTS LIST

Coupling reference	Flexible element ref.	Qty	Flange reference	Qty
635100	635631	1	331100	2
635105	635636	1	321826	2
635106	635637	1	331106	2
635107	635619	1	331107	2

Coupling reference	Flexible element ref.	Qty	Flange reference	Qty
635301	635632	1	321315	2
635302	635633	1	321325	2
635303	635634	1	321335	2
635304	635635	1	321345	2



HUTCHINSON®
PAULSTRA

PAULSTRA - 61 rue Marius AUFAN - 92309 Levallois-Perret Cedex - France - T. +33 1 40 89 53 31 - F. +33 1 47 25 28 96
www.paulstra-industry.com



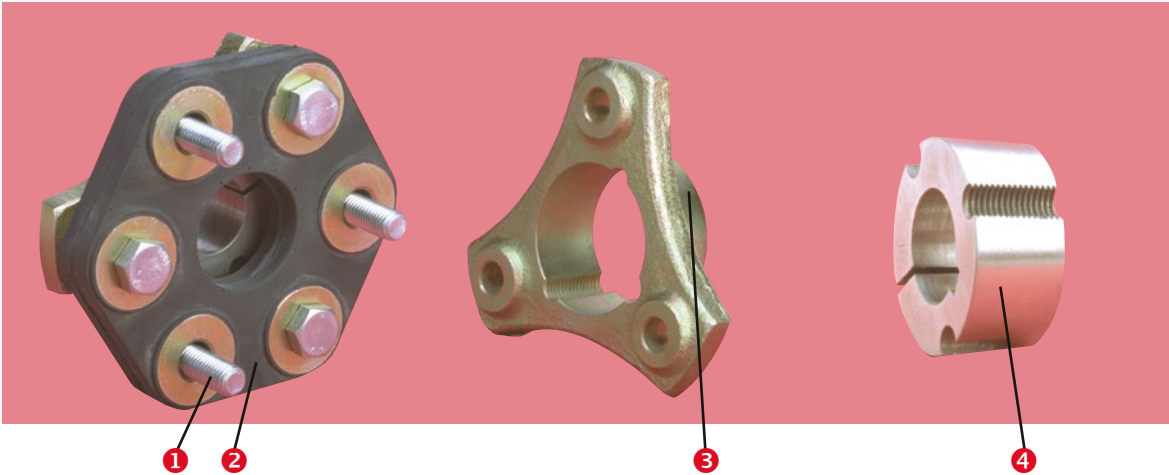
STRAFLEX[®] WITH SEPARATE HUB

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** 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.

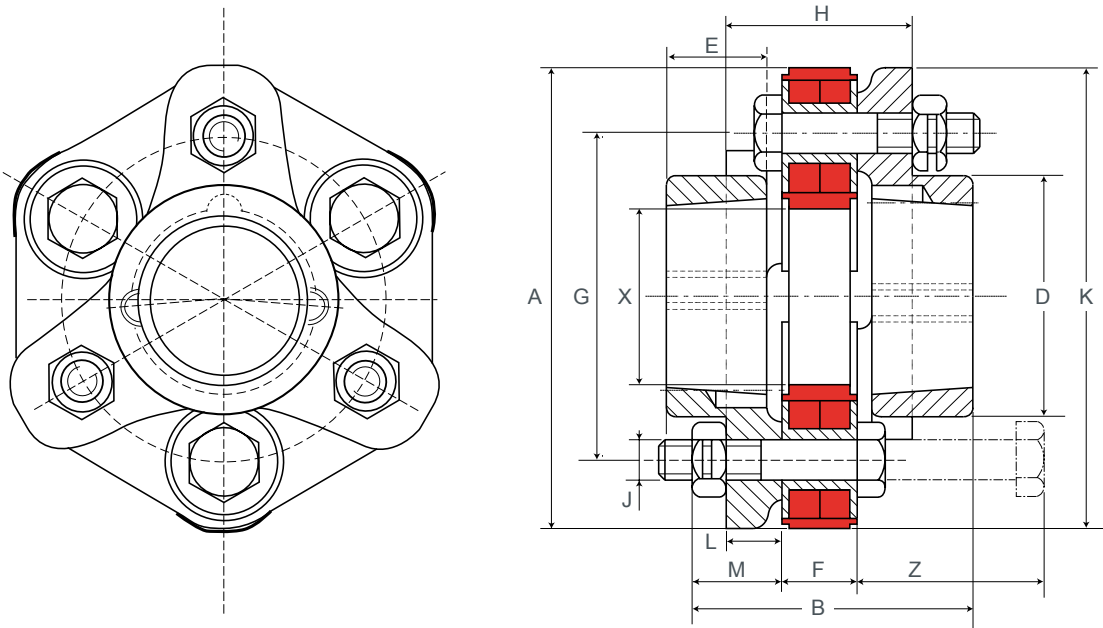
Advantages :

- Reduced size.
- Simplified axial positioning.
- 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)	Weight (kg)
100	200	5 500	SEE PARTS LIST	635305	94	61	48	20	15	65	41	8	91	11	23	28	45	0,9
200	400	5 000		635306	120	76	60	25	18	85	51	12	121	14	29	40	60	1,6
400	800	4 500		635307	140	81	70	25	21	100	56	14	140	17	30	44	70	2,7
800	1 600	3 500		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.

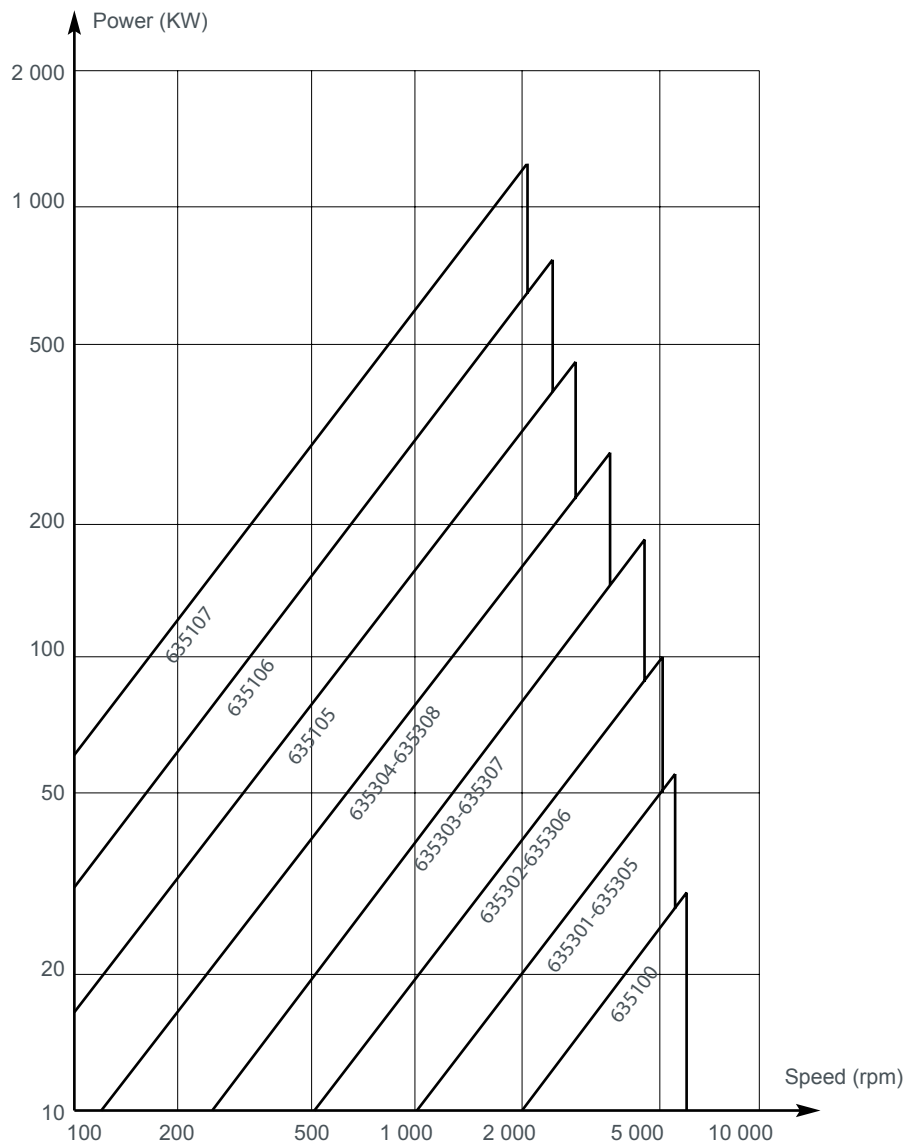
The maximum torque is considered to be an infrequent start-up torque and not periodic.

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			
			AXIAL (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
1 600	800	2°20	50	150	40	1,43
3 200	1 600	2	120	180	73	2,3
6 000	3 000	2	75	200	172	3,44

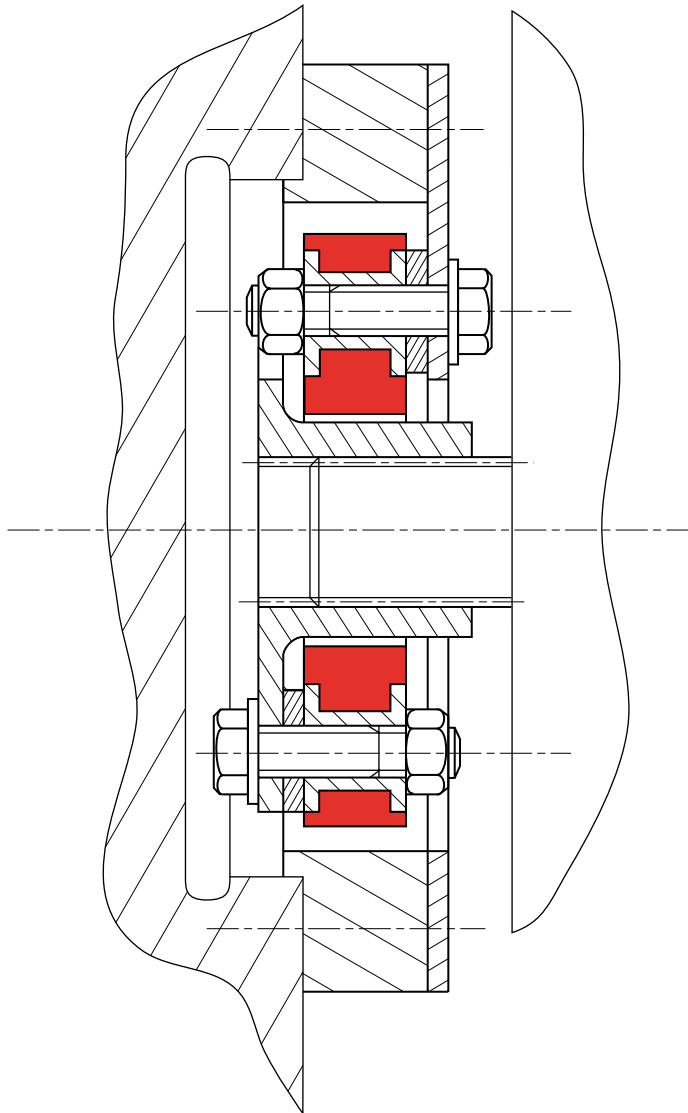
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ASSEMBLY

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.**





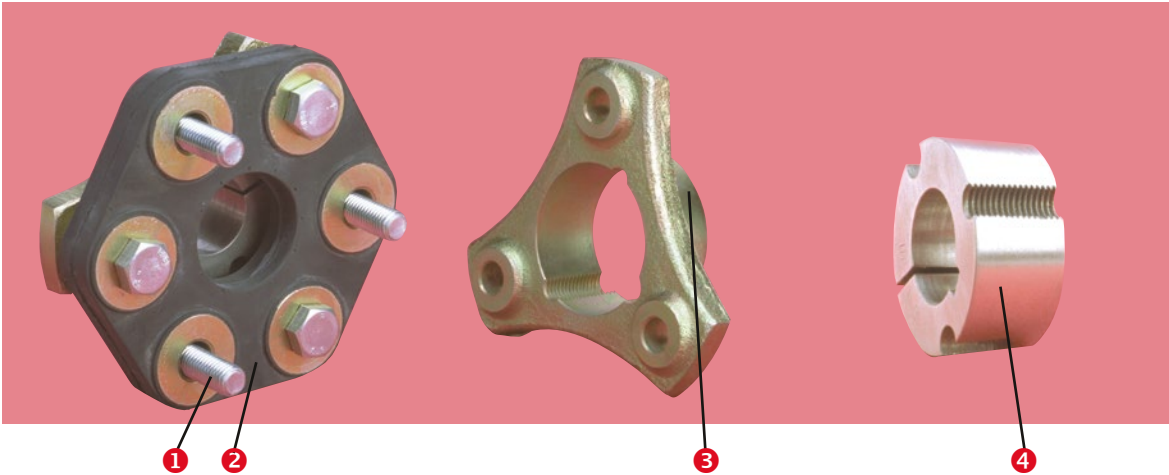
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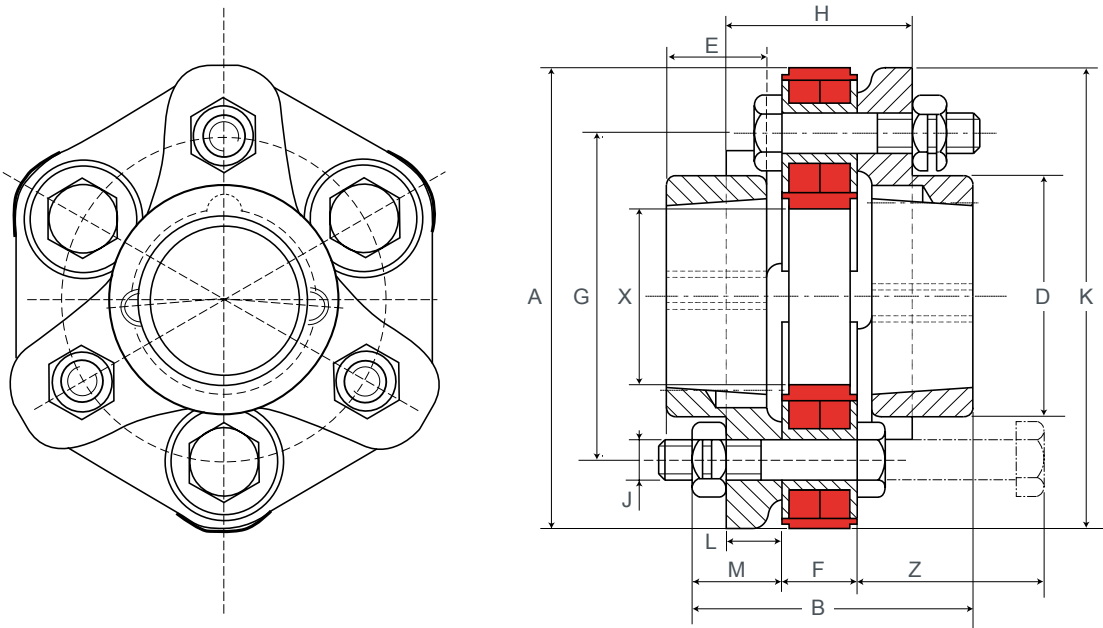
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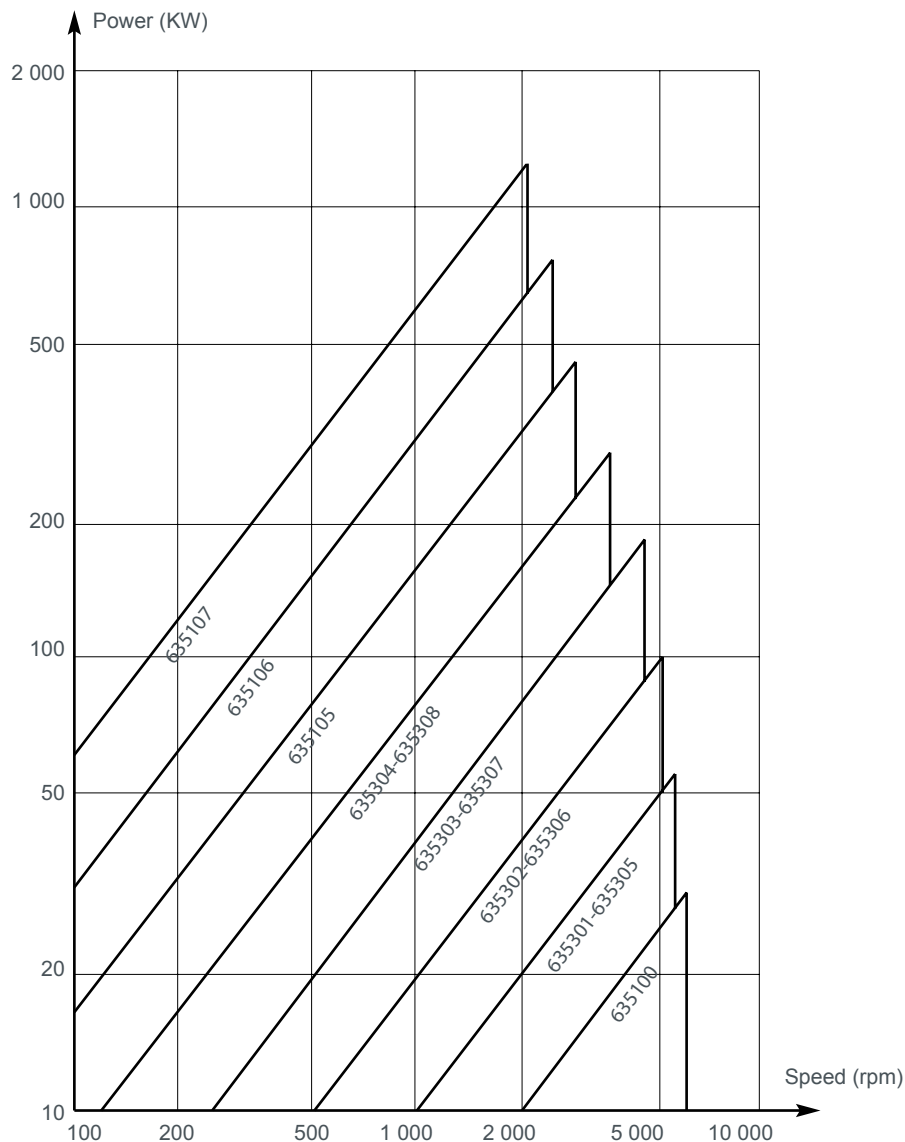
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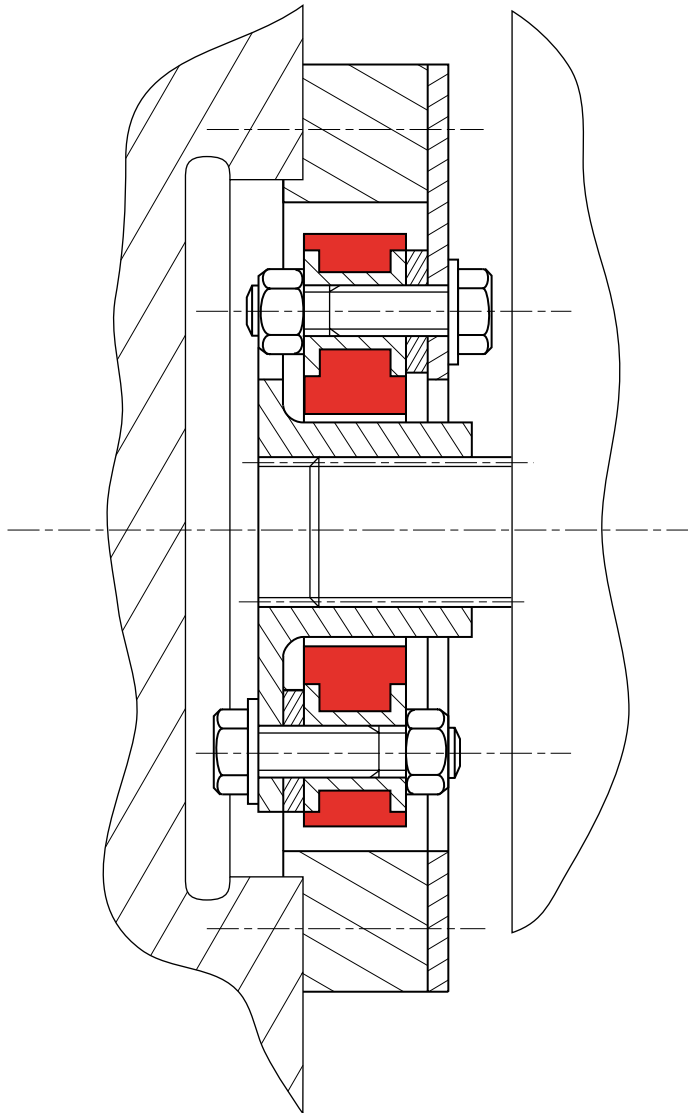
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