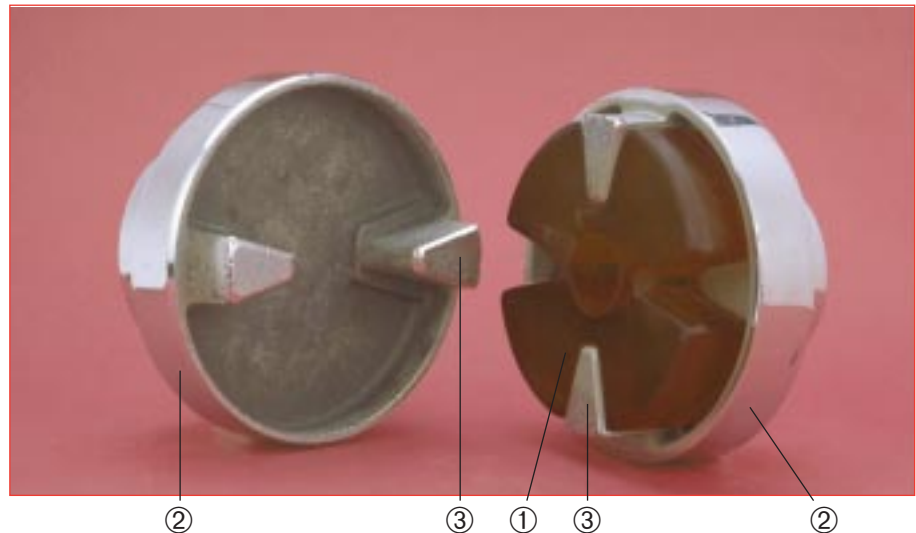


MPP

* *	Torsional flexibility	*	Radial flexibility	Push fit	Axial flexibility	*	Conical flexibility
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DESCRIPTION

- Flexible element ① : polyurethane in the form of a Maltese cross.
- Flange ② : cast iron with drive segments ③ supplied unbored (except 633054 and 633055).

Variations : For assemblies with a ring or spacer, consult our technical manuals.

OPERATION

The MPP coupling is designed with the following features :

- Push fit assembly,
- Smooth, compact cylindrical shape, without protrusions,
- The flexible element operates under compression,
- Safe in use,
- Temperature range - 30°C to + 70°C in continuous operation.

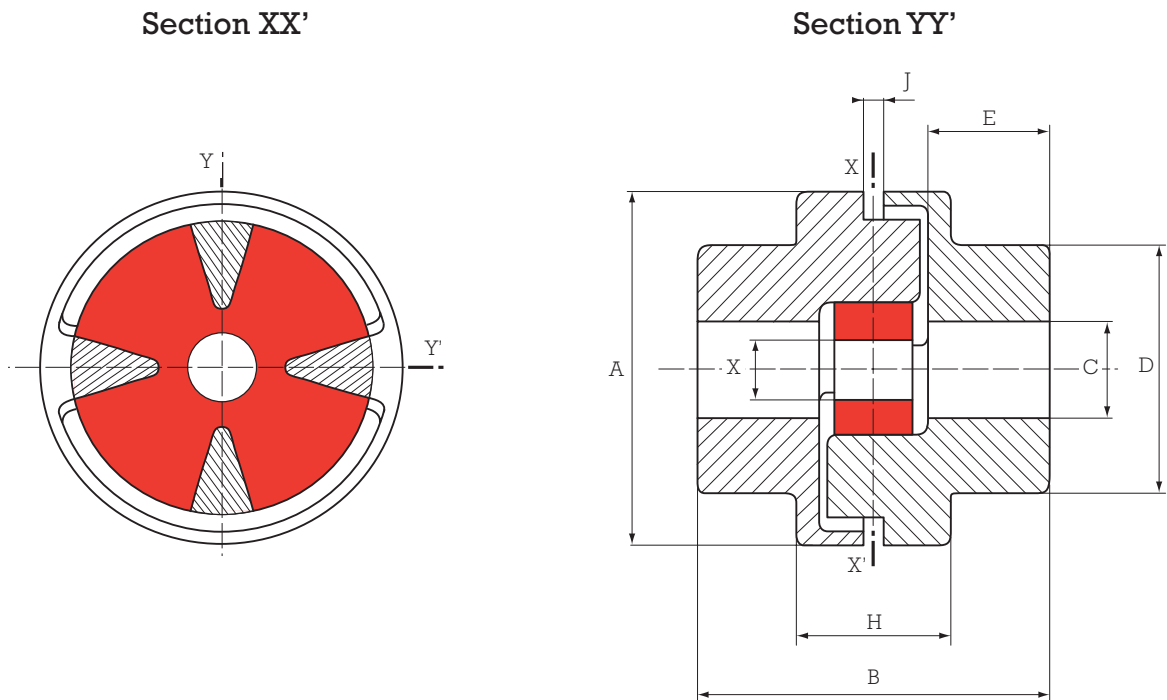
Advantages :

- Reduced size,
- Easy to use.

Recommendation :

- It is recommended that the coupling should not be subjected to axial tension which might cause the flexible element to slip off the drive segments on the flanges.

DIMENSIONS



Type	Nominal torque N.m	Max torque N.m	Max speed rpm	Hole size C mm		A mm	B mm	D mm	E mm	Reference	H mm	J mm	X mm	Weight kg
				min	max									
MPP 3	30	90	9000	-	28	58	62	42	20	633052	32	3	10	0.6
MPP 8	80	240	7000	-	42	84	89	63	30	633053	41	5	13	1.8
MPP 20	200	600	4000	-	55	118	116	82	40	633051	51	6	20	4.5
MPP 38	380	1150	3000	20	60	145	160	90	60	633054	67	6	30	9.4
MPP 65	650	2000	3000	20	75	170	208	112	80	633055	82	6	32	18

1Nm \neq 0.1 mkg

See current price list for availability of items.

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

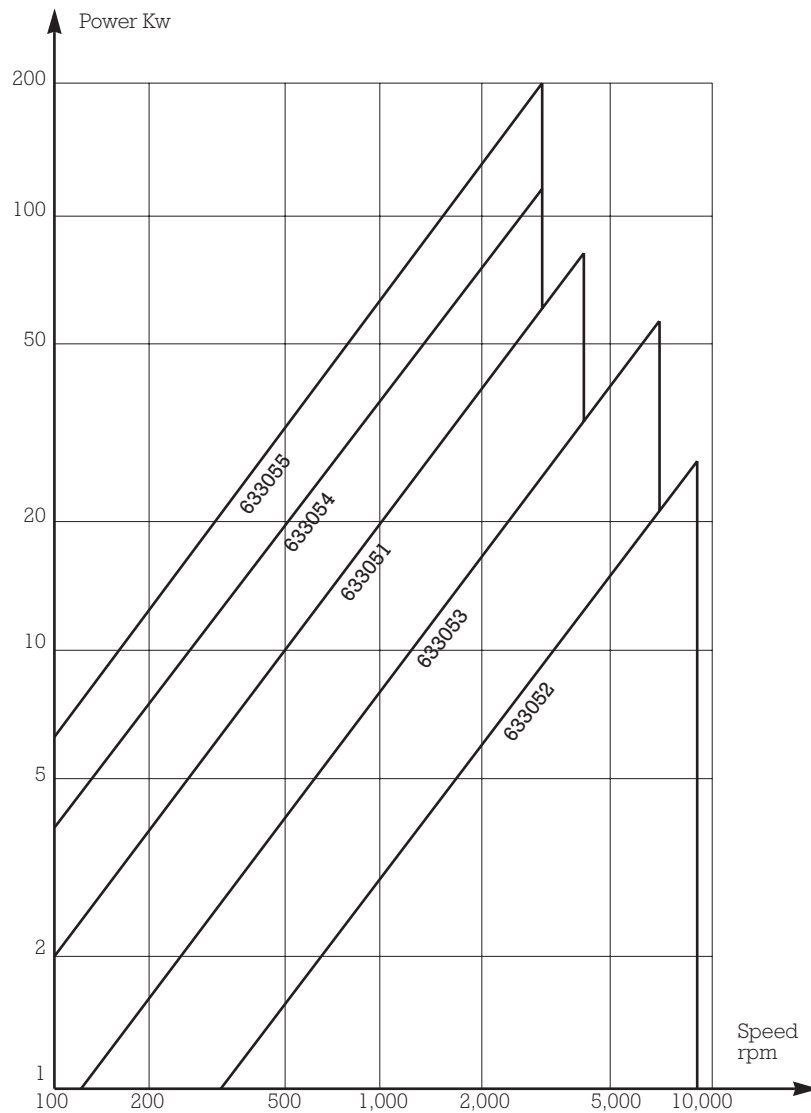
PARTS LIST

Coupling reference	Flexible element reference	Qty	Flange reference	Qty	Coupling reference	Flexible element reference	Qty	Flange reference	Qty
633051	633551	1	321535	2	633054	633554	1	321464	2
633052	633552	1	321503	2	633055	633555	1	321465	2
633053	633553	1	321534	2					



OPERATING LIMITS

POWER RANGE



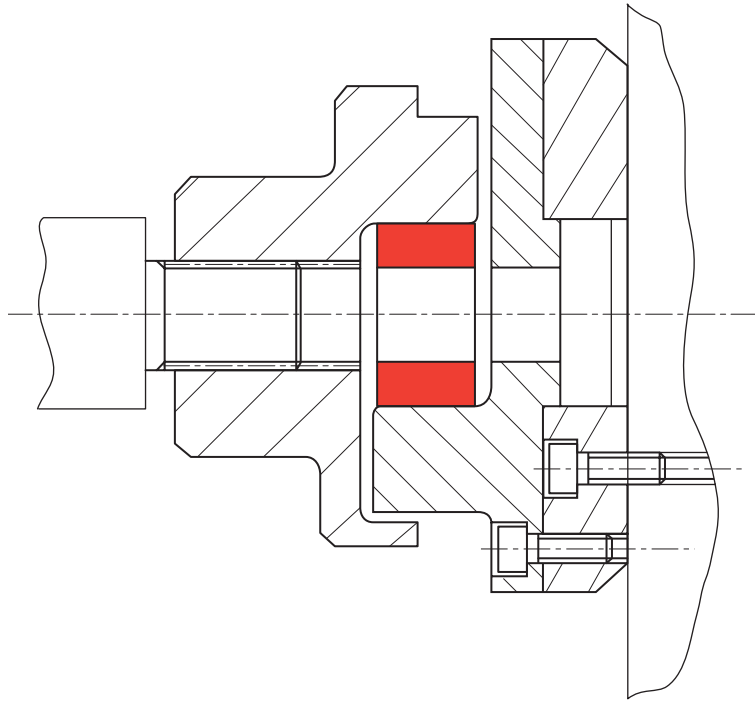
OPERATING CHARACTERISTICS

Nominal torque N.m	Vibratory torque N.m	Torsion under NT degrees	Radial misalignment* mm	Conical misalignment* degrees	Axial misalignment mm
30	15	10°	0.2	1°	1.5
80	40	10°	0.4	1°	2.5
200	100	10°	0.9	1°	3
380	380	10°	1	1°	3
650	650	10°	1	1°	4

* given for a speed of 3,000 rpm.



ASSEMBLY



Example : electric motor/centrifugal pump coupling : mounted on motorised flywheel using an adaptor.

SELECTION GUIDE

PAULSTRA MPP® / STANDARD, 50 HZ ASYNCHRONOUS THREE PHASES MOTORS

This table uses a safety coefficient of 1.3 corresponding to normal operating conditions of commonly used driven machines.

Motor type	Power 2 poles n ≈ 3000 rpm		Type of coupling	Power 4 poles n ≈ 1500 rpm		Type of coupling	Power 6 poles n ≈ 1000 rpm		Type of coupling	Power 8 poles n ≈ 750 rpm		Type of coupling	Shaft dimensions D x E	
	Kw	HP.		Kw	HP.		Kw	HP.		Kw	HP.		≈ 3000 rpm	≈ 1500 rpm
56	0.09 0.12	0.12 0.16	MPP 3 MPP 3	0.06 0.09	0.08 0.12	MPP 3 MPP 3	0.06 0.09	0.08 0.12	MPP 3 MPP 3					9 x 20
63	0.18 0.25	0.25 0.34	MPP 3 MPP 3	0.12 0.18	0.16 0.25	MPP 3 MPP 3	0.12 0.18	0.16 0.25	MPP 3 MPP 3					11 x 23
71	0.37 0.55 0.55	0.5 0.75 0.75	MPP 3 MPP 3 MPP 3	0.25 0.37 0.37	0.34 0.5 0.5	MPP 3 MPP 3 MPP 3								14 x 30
80	0.75 1.1	1 1.5	MPP 3 MPP 3	0.55 0.75	0.75 1	MPP 3 MPP 3	0.37 0.55	0.5 0.75	MPP 3 MPP 3					19 x 40
90 S 90 L	1.5 2.2	2 3	MPP 3 MPP 3	1.1 1.5	1.5 2	MPP 3 MPP 3	0.75 1.1	1 1.5	MPP 3 MPP 3					24 x 50
100 L	3	4	MPP 3 MPP 3	2.2 3	3 4	MPP 3 MPP 3	1.5	2	MPP 3	0.75 1.1	1 1.5	MPP 3 MPP 3		28 x 60
112 M	4	5.5	MPP 3	4	5.5	MPP 3	2.2	3	MPP 3	1.5	2	MPP 3		28 x 60
132 S	5.5 7.5	7.5 10	MPP 8	5.5	7.5	MPP 8	3	4	MPP 8	2.2	3	MPP 8		38 x 80
132 M				7.5	10	MPP 8	4 5.5	5.5 7.5	MPP 8 MPP 8	3	4	MPP 8		38 x 80
160 M 160 L	11 15 18.5	15 20 25	MPP 8 MPP 8 MPP 8	11 15	15 20	MPP 20 MPP 20	7.5 11	10 15	MPP 20 MPP 20	4 5.5 7.5	5.5 7.5 10	MPP 8 MPP 20 MPP 20		42 x 110
180 M 180 L	22	30	MPP 20	18.5 22	25 30	MPP 20 MPP 20	15	20	MPP 20	11	15	MPP 20		48 x 110
200 L	30 37	40 50	MPP 20 MPP 20	30	40	MPP 38	18.5 22	25 30	MPP 38 MPP 38	15	20	MPP 38		55 x 110
225 S 225 M	45	61	MPP 38	37 45	50 61	MPP 38 MPP 38	30	40	MPP 38	18.5 22	25 30	MPP 38 MPP 38	56 x 110	60 x 140
250 M	55	75	MPP 38	55	75	MPP 65	37	50	MPP 65	30	40	MPP 65	60 x 140	65 x 140
280 S	75	100	MPP 65	75	100	MPP 65	45	61	MPP 65	37	50	MPP 65	65 x 140	75 x 140

For assemblies with flange or spacer : ask our technical notes.

