O-Flex RN Couplings
Type RN/ RNS

Octaforce O-Flex couplings consists of graded cast iron hubs and a set of 'H' shaped highly resilient blocks which accommodates parallel, angular and axial misalignments & absorbs torsional vibrations. Octaforce O-Flex spacer couplings (Type - RNS) are suitable for 'Back Pull out Pumps' in which the impeller can be disassembled without disturbing motor and pump from the base frame.



O- Flex Coupling



O- Flex Coupling



RN (A)



H Insert
(Synthetic / PU / H-Trans)



RNS(H)

FEATURES

Simplicity Of Construction

Easy to assemble & disassemble. Suitable for reversing operation.

Varying Stiffness Characteristics

Special H shaped inserts provide progressively increasing stiffness characteristics, hence ensure effective shocks & vibration absorption. Special elastomer can be supplied to suit specific application needs.

No Lubrication

RN/RNS couplings do not require lubrication of any kind.

Simple / Easy Maintenance

No complicated mechanism to demand adjustment or maintenance. Inspection and replacement of inserts is easy.

Low Operational Cost

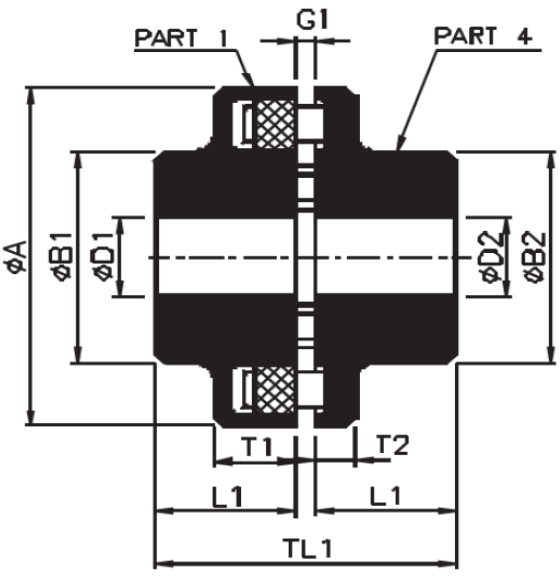
Only wear part is low cost inserts which make coupling economical in long run.

Smooth & Quiet Operation

Reduces vibration & noise arising from severe torque fluctuations. Operating temp. is -30°C to + 120°C.

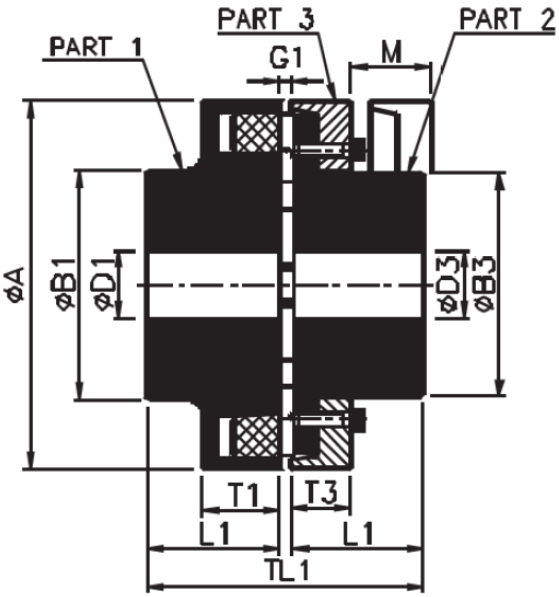
APPLICATION : Mainly for pump applications such as : Water Pumps, Slurry Pumps, Sewage Pumps, Back Pull out Pumps, Multistage Pumps, Spilt Case Pumps, API Pumps, Chemical Process Pumps, Metering/Dosing Pumps, Gear Pumps, Paper Stock Pumps, Screw Pumps, Vacuum Pumps, Fire Pumps, High Pressure Pumps.

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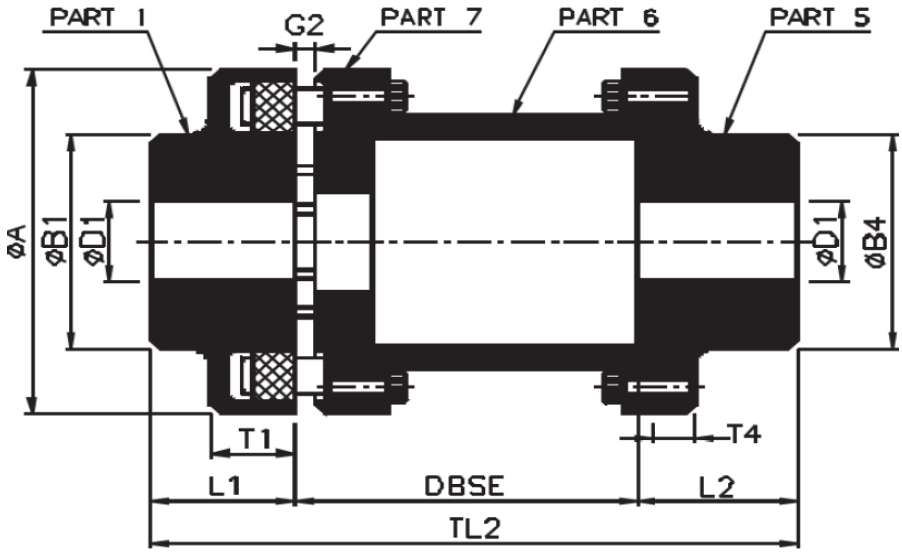
RN (B)

Sizes – 68 to 250



RN (A)

Sizes – 110 to 250



RNS (H)

Sizes – 80 to 250

octaforce

Coupling Size	Flender Part Number	Octaforce Part Number	Rated Torque Nm.	KW @ 100 RPM	Rated Torque Nm.	KW @ 100 RPM	Rated Torque Nm.	KW @ 100 RPM	Max Speed (RPM)	Max . Bore (mm)			Dimensions (mm)													Weight Kg			M.I. (WR2)Kg -m2		
			Synthetic Rubber		Polyurethane		H - Trans			D1	D2	D3	ØA	ØB1	ØB2	ØB3	ØB4	L1	L2	T1	T2	T3	T4	M	DBSE	RN (B)	RN (A)	RNS (H)	RN (B)	RN (A)	RNS (H)
68 B	N-Eupex 68B	O-Flex 68B	34	0.36	51	0.54	85	0.90	7000	24	28	-	68	68	46	-	-	20	-	21	8	-	-	-	-	0.54	-	-	0.0002	-	-
80 B, H	N-Eupex 80 B, H	O-Flex 80 B, H	60	0.63	90	0.95	150	1.60	6000	30*	38	-	80	80	68	-	55	30	45	31	10	-	7	-	100 140	1.3	-	2.6 2.7	0.0006	-	0.001 0.001
95 B,H	N-Eupex 95 B,H	O-Flex 95 B,H	105	1.10	158	1.65	263	2.80	5500	42	42	-	95	76	76	-	70	35	45	30	12	-	9	-	100 140	***2.74***	-	3.5 3.8	0.0013	-	0.003 0.003
110 A, B, H	N-Eupex 110 A, B, H	O-Flex 110 A, B, H	162	1.70	243	2.55	405	4.30	5300	48	48	38	110	86	86	62	80	40	50	34	14	20	11	33	100 140 180	3.3	3	5.2 5.4 6.0	0.0030	0.003	0.005 0.006 0.006
125 A, B, H	N-Eupex 125 A, B, H	O-Flex 125 A, B, H	239	2.50	359	3.75	598	6.30	5100	55	55	45	125	100	100	75	90	50	50	36	18	23	11	38	100 140 180	***6.1***	4.8	7.2 7.7 8.2	0.0060	0.005	0.010 0.010 0.011
140 A, B, H	N-Eupex 140 A, B, H	O-Flex 140 A, B, H	363	3.80	545	5.70	908	9.50	4900	60	60	50	140	100	100	82	100	55	65	34	20	28	15	43	100 140 180	***8.07***	6	10.0 10.5 11.0	0.0070	0.0080	0.018 0.019 0.020
160 A, B, H	N-Eupex 160 A, B, H	O-Flex 160 A, B, H	563	5.90	845	8.85	1408	14.80	4250	65	65	58	160	108	108	95	108	60	70	39	20	28	15	47	100 140 180	7.8	8.4	13.0 13.7 14.5	0.0100	0.0140	0.030 0.032 0.034
180 A, B, H	N-Eupex 180 A, B, H	O-Flex 180 A, B, H	879	9.20	1319	13.80	2198	23.00	3800	75	75	65	180	125	125	108	125	70	80	42	20	30	15	50	140 180	11.5	12	18.5 19.4	0.0200	0.250	0.054 0.058
200 A, B, H	N-Eupex 200 A, B, H	O-Flex 200 A, B, H	1337	14.00	2006	21.00	3343	35.00	3400	85	85	75	200	140	140	122	140	80	90	47	24	32	18	53	140 180 200 250	***23.32***	17	25.6 26.5 27.2 28.5	0.0400	0.400	0.095 0.100 0.105 0.110
225 A, B, H	N-Eupex 225 A, B, H	O-Flex 225 A, B, H	2005	21.00	3008	31.50	5013	52.50	3000	90	90	85	225	150	150	138	150	90	100	52	18	38	18	61	140 180 200 250	20	23	34.0 35.0 36.0 38.0	0.0700	0.0800	0.158 0.160 0.170 0.180
250 A, B, H	N-Eupex 250 A, B, H	O-Flex 250 A, B, H	2769	29.00	4154	43.50	6923	72.50	2750	100	100	95	250	165	165	155	165	100	110	60	18	42	21	69	180 200 250	29	31	48.0 50.0 52.0	0.1200	0.1300	0.270 0.280 0.300

All dimensions are in mm.

- * = Bore 32 mm for part 5.
- G1 = 2-4mm for sizes 68 to 140, 2-6 mm for sizes 160 to 225 & 3-8 mm for size 25O.
- G2 = 5 mm for sizes 8O to 14O, 6 mm for sizes 16O to 225 & 8 mm for size 25O.
- Part No. 5 is available with different length through Bores L2.
- Max. bore for coupling with or equivalent to DIN 6885 keys.
- For vertical installation contact Octaforce .
- Weight & Inertia at Max Bore.
- Large Bore Dia / Drive side is at part I & Small Bore is at other side.
- Consult Octaforce for Max Bore with Square Key.