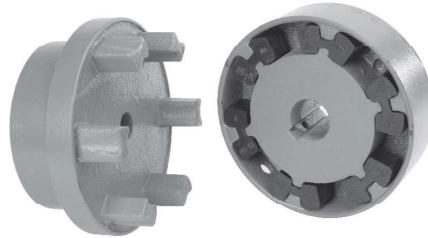


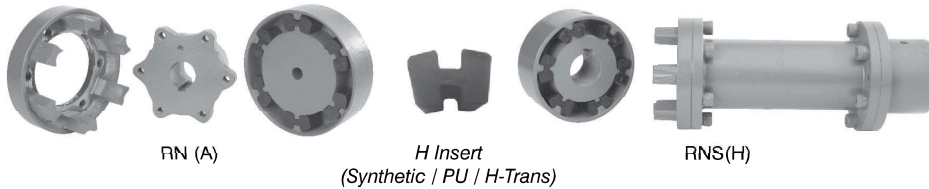
N-FLEX RN COUPLINGS TYPE RN / RNS



Rathi N-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. Rathi N-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.



RN (B)



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

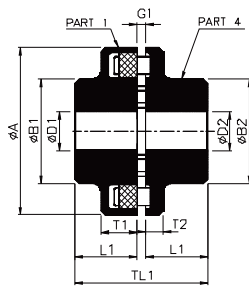
Reduces vibration & noise arising from severe torque fluctuations. Operating temp. is -30°C to $+120^{\circ}\text{C}$.

Application :

Mainly for pump applications such as :

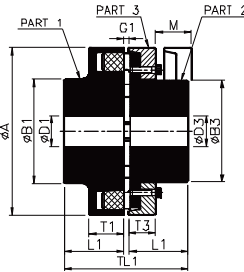
Water Pumps, Slurry Pumps, Sewage Pumps, Back Pull out Pumps, Multistage Pumps, Split Case Pumps, API Pumps, Chemical Process Pumps, Metering/Dosing Pumps, Gear Pumps, Paper Stock Pumps, Screw Pumps, Vacuum Pumps, Fire Pumps, High Pressure Pumps.

N-FLEX RN COUPLINGS TYPE RN / RNS



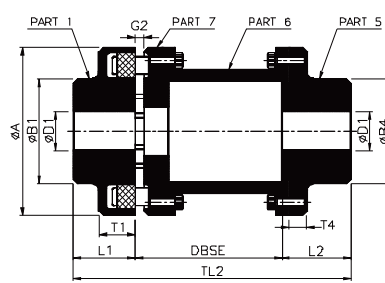
RN(B)

SIZES - 68 TO 250



RN(A)

SIZES - 110 TO 250



RNS(H)

SIZES - 80 TO 250

Coupling Size	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. (WR ³) Kg-m ²				
								D1	D2	D3	ØA	ØB1	ØB2	ØB3	ØB4	L1	L2	T1	T2	T3	T4	M	DBSE	RN(B)	RN(A)	RN(H)	RN(B)	RN(A)	RN(S)				
68 B	46	0.48	69	0.72	115	1.2	7000	28	30	-	68	68	46	-	-	20	-	21	8	-	-	-	-	-	-	-	0.54	-	-	0.0002	-	-	-
80 B,H	94	0.98	141	1.47	235	2.5	6000	34	44	-	80	80	68	-	55	30	45	31	10	-	7	-	-	100 140	1.3	-	2.6 2.7	0.0006	-	-	-	0.0010 0.0010	
95 B,H	134	1.41	201	2.12	335	3.5	5500	42	50	-	95	76	76	-	70	35	45	30	12	-	9	-	-	100 140	2.2	-	3.5 3.8	0.0013	-	-	-	0.0030 0.0030	
110 A,B,H	243	2.54	365	3.81	608	6.4	5300	49	56	42	110	86	86	62	80	40	50	34	14	20	11	33	140 180	3.3	3	5.2 5.4 6.0	0.0030	0.0030	-	-	-	0.0050 0.0060 0.0060	
125 A,B,H	335	3.50	503	5.25	838	8.8	5100	58	62	45	125	100	100	75	90	50	50	36	18	23	11	38	140 180	5.2	4.8	7.2 7.7 8.2	0.0060	0.0050	-	-	-	0.0100 0.0100 0.0110	
140 A,B,H	530	5.55	795	8.33	1325	13.9	4900	64	65	50	140	100	100	82	100	55	65	34	20	28	15	43	140 180	5.6	6	10.0 10.5 11.0	0.0070	0.0080	-	-	-	0.0180 0.0190 0.0200	
160 A,B,H	823	8.62	1235	12.93	2058	21.6	4250	70	70	58	160	108	108	95	108	60	70	39	20	28	15	47	140 180	7.8	8.4	13.0 13.7 14.5	0.0100	0.0140	-	-	-	0.0300 0.0320 0.0340	
180 A,B,H	1313	13.74	1970	20.61	3283	34.4	3800	82	82	65	180	125	125	108	125	70	80	42	20	30	15	50	140 180	11.5	12	18.5 19.4 20.3	0.0200	0.0250	-	-	-	0.0540 0.0580 0.0600	
200 A,B,H	1970	20.62	2955	30.93	4925	51.6	3400	86	86	75	200	140	140	122	140	80	90	47	24	32	18	53	180 200 250	16	17	25.6 26.5 27.2 28.5	0.0400	0.0400	-	-	-	0.0950 0.1000 0.1050 0.1100	
225 A,B,H	2392	25.05	3588	37.58	5980	62.6	3000	92	92	85	225	150	150	138	150	90	100	52	18	38	18	61	140 180 200 250	20	23	35.0 36.0 38.0	0.0700	0.0800	-	-	-	0.1580 0.1600 0.1700 0.1800	
250 A,B,H	3978	41.65	5967	62.48	9945	104.1	2750	102	102	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	-	-	-	0.2700 0.2800 0.3000	

- 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 250.
- G2 = 5 mm for sizes 80 to 140, 6 mm for sizes 160 to 225 & 8 mm for size 250.
- 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 RATHI.
- Weight & Inertia at Max Bore.
- Large Bore Dia / Drive side is at part I & Small Bore is at other side.
- Consult RATHI for Max Bore with Square Key.