

Rathi B-FLEX couplings consist of a set of resilient BARREL shaped bushes with pins & nuts and two flanged hubs of graded cast iron.

These special BARREL shaped bushes permit the MISALIGNMENT IN ALL DIRECTIONS and give extra torsional flexibility as compared to plain bushes. These couplings are suitable for general engineering application requiring reliable power transmission even under conditions of shaft misalignments which are often unavoidable.



F E A T U R E S

SIMPLICITY OF CONSTRUCTION

Easy to assemble & disassemble. Flanged hub can be withdrawn upwards without disturbing original alignment.

VARYING STIFFNESS CHARACTERISTICS

Special barrel shaped bushes provide progressively increasing stiffness characteristics, hence ensure effective shocks & vibration absorption.

NO LUBRICATION

B-FLEX couplings never require lubrication of any kind.

SIMPLE / EASY MAINTENANCE

No complicated mechanism to demand adjustment or maintenance. Inspection and replacement of bushes is easy and bushes can be quickly fitted without dismantling or moving either of coupled shafts.

LOW OPERATIONAL COST

Only wearing part is low cost bushes which make coupling economical in long run.

SMOOTH & QUIET OPERATION

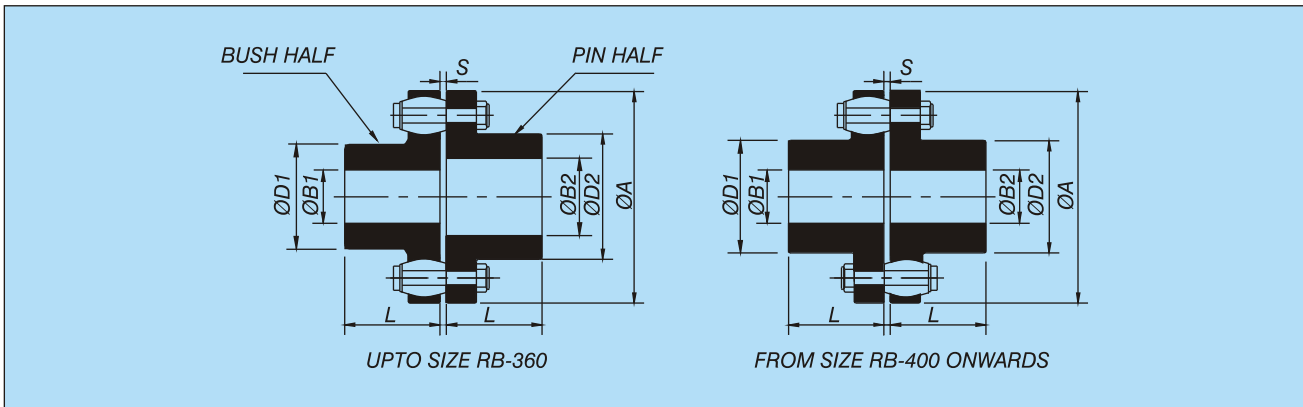
Reduces vibration & noise arising from severe torque fluctuations.



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Distributor



TECHNICAL DATA

Coupling Size	Coupling Rating at 1500 RPM		Max. Speed rpm	Min. Bore	Max. Bore		ØA	ØD1	ØD2	L	S	Wt. In kg.	M.I.(WR ²) in 2 kgm	Max. Misalignment (±)		
	HP	kW			ØB1	ØB2								Axial (mm)	Radial (mm)	Angular
RB-105-3	20	15	7200	11	30	32	105	48	50	45	2-6	2	0.003	2	0.3	1°
RB-116-4	31	23	6100	12	39	42	116	60	68	45	2-6	2.6	0.005	2	0.3	1°
RB-125-4	35	26	5500	14	45	50	125	68	78	50	2-6	3.1	0.007	2	0.4	1°
RB-144-6	67	50	4900	18	50	60	144	82	91	55	2-6	4.3	0.012	2	0.4	1°
RB-162-6	111	82.5	4500	22	60	65	162	89	100	60	2-6	7.5	0.03	2	0.4	1°
RB-178-6	135	101	3800	24	70	75	178	105	115	70	2-6	10	0.04	2	0.5	1°
RB-198-10	263	196	3400	28	80	90	198	124	135	80	2-6	13	0.062	2	0.5	1°
RB-228-11	432	322	3000	28	90	100	228	133	146	90	4-10	18	0.1	3	0.6	1°
RB-252-12	646	482	2700	38	105	115	252	156	167	100	4-10	24	0.17	3	0.6	1°
RB-285-11	960	715	2400	48	115	125	285	170	186	110	4-10	35	0.31	3	0.7	1°
RB-320-12	1285	958	2100	55	125	135	320	196	212	125	4-10	51	0.53	3	0.7	1°
RB-360-11	1875	1398	1900	65	135	150	360	212	232	140	4-12	73	1.02	4	0.9	1°
RB-400-10	2538	1893	1700	75	160	160	400	230	230	160	4-12	101	1.7	4	1.1	1°
RB-450-12	3917	2922	1500	85	180	180	450	260	260	180	4-12	137	2.9	4	1.1	0.5°
RB-500-14	5433	4053	1350	95	200	200	500	290	290	200	4-12	180	4.7	4	1.1	0.4°
RB-560-10	6529	4870	1200	95	225	225	560	320	320	220	4-8	278	10.7	2	1.5	0.3°
RB-630-12	8844	6597	1050	100	250	250	630	355	355	240	4-8	365	17.4	2	1.5	0.3°
RB-710-12	15793	11781	950	100	260	260	710	385	385	260	5-9	516	33	2	1.8	0.3°
RB-800-14	21057	15708	850	100	280	280	800	420	420	290	5-9	691	53	2	1.8	0.3°
RB-900-16	32637	24347	750	100	305	305	900	465	465	320	5-9	927	86	2	1.8	0.3°

SPARE PARTS

Coupling SIZE	Pin Half Part No.	Bush Half Part No.	Pin + Washer Part No.	Bush Part No.	No. Of Pin-Bush Assy./Coupling	Nut Size
RB-105-3	RB-105-3/1	RB-105-3/2	RB/P-2	RB/B-2	3	M8
RB-116-4	RB-116-4/1	RB-116-4/2	RB/P-2	RB/B-2	4	M8
RB-125-4	RB-125-4/1	RB-125-4/2	RB/P-2	RB/B-2	4	M8
RB-144-6	RB-144-6/1	RB-144-6/2	RB/P-2	RB/B-2	6	M8
RB-162-6	RB-162-6/1	RB-162-6/2	RB/P-3	RB/B-3	6	M10
RB-178-6	RB-178-6/1	RB-178-6/2	RB/P-3	RB/B-3	6	M10
RB-198-10	RB-198-10/1	RB-198-10/2	RB/P-3	RB/B-3	10	M10
RB-228-11	RB-228-11/1	RB-228-11/2	RB/P-4	RB/B-4	11	M14
RB-252-12	RB-252-12/1	RB-252-12/2	RB/P-4	RB/B-4	12	M14
RB-285-11	RB-285-11/1	RB-285-11/2	RB/P-5	RB/B-5	11	M16
RB-320-12	RB-320-12/1	RB-320-12/2	RB/P-5	RB/B-5	12	M16
RB-360-11	RB-360-11/1	RB-360-11/2	RB/P-6	RB/B-6	11	M20
RB-400-10	RB-400-10		RB/P-7	RB/P-7	10	M20
RB-450-12	RB-450-12		RB/P-7	RB/P-7	12	M20
RB-500-14	RB-500-14		RB/P-7	RB/P-7	14	M20
RB-560-10	RB-560-10		RB/P-8	RB/P-8	10	M36
RB-630-12	RB-630-12		RB/P-8	RB/P-8	12	M36
RB-710-12	RB-710-12		RB/P-9	RB/P-9	12	M42
RB-800-14	RB-800-14		RB/P-9	RB/P-9	14	M42
RB-900-16	RB-900-16		RB/P-9	RB/P-9	16	M42

NOTES - * ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE SPECIFIED.

*** WEIGHT & INERTIA FIGURES ARE AT MAXIMUM BORES.**

*** EACH COUPLING IS CAPABLE OF WITHSTANDING MAXIMUM TORQUE OF 3 TIMES OF NOMINAL TORQUE FOR SHORT DURATIONS SUCH AS DURING START UP.**

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