KTPPL

KULKARNI TRANSPOWER PVT. LTD.

Manufacturer of Servo Couplings, Encoder Couplings

MANUFACTURER OF RFLex COUPLINGS

KULKARNI TRANSPOWER PVT. LTD.

Office : B-103, Prestige Point, Near Dhariwal Institute, Warje, Pune 411058, Maharashtra, India.

Mob. : +91 - 9764444391 / 9422007155 **Email :** sales@ktppl.com

Website : www.ktppl.com

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RFLex COUPLINGS

RFLex Couplings are made with Disc Set and Steel Hubs for clamping. These Discs are bolted alternately to the Steel Hubs from both sides of Disc Sets. RFLex Coupling is made with the three- or five-pieces' assembly of 2 no. Steel hubs or 2 no. Steel hubs and 1 No. Steel Spacer and 1 no. or 2 no. of Stainless-Steel Disc sets. These three or five parts are assembled with bolts with precision. This assembly becomes a Backlash Free and High Torsional Stiff, precise, long life RFLex Coupling. RFLex Coupling Couplings are more suitable for higher RPM, Temperature, uni-direction, or bi-directions.

LAMINA DETAILS :

Laminae sets come with the following details -

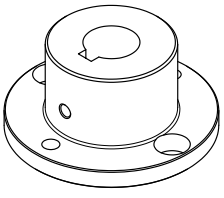
1. From 20 to 50, Square Shape and 4 Holes as standard. 6 Hole designs available on request.
2. From 60 to 135 Hexagonal and 6 Holes.

APPLICATIONS :

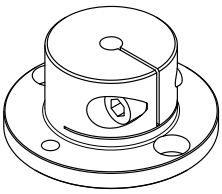
Fans, Mixers, Agitators, Pumps-Immersion / Process / Water, Paper- Printing and processing Machines, Generators, Compressors, Steel Mills, and much more precise backlash-free motion and power transmission applications.

BENEFITS :

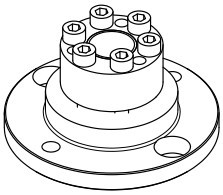
Flexible, Backlash-free, High Torsional Stiffness, No-maintenance, No Lubrication, Uniform & Positive motion and power transmission, higher temperature, High power to weight ratio, Available in Unbored, pilot bore, and finish bore and keyways



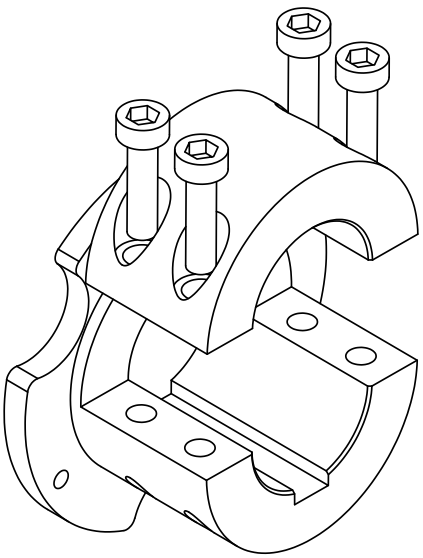
Bore, Keyway and Set Screw



Clamping Hub



Clamping Ring Hub. Bolts from either side possible



Split Hub with keyways

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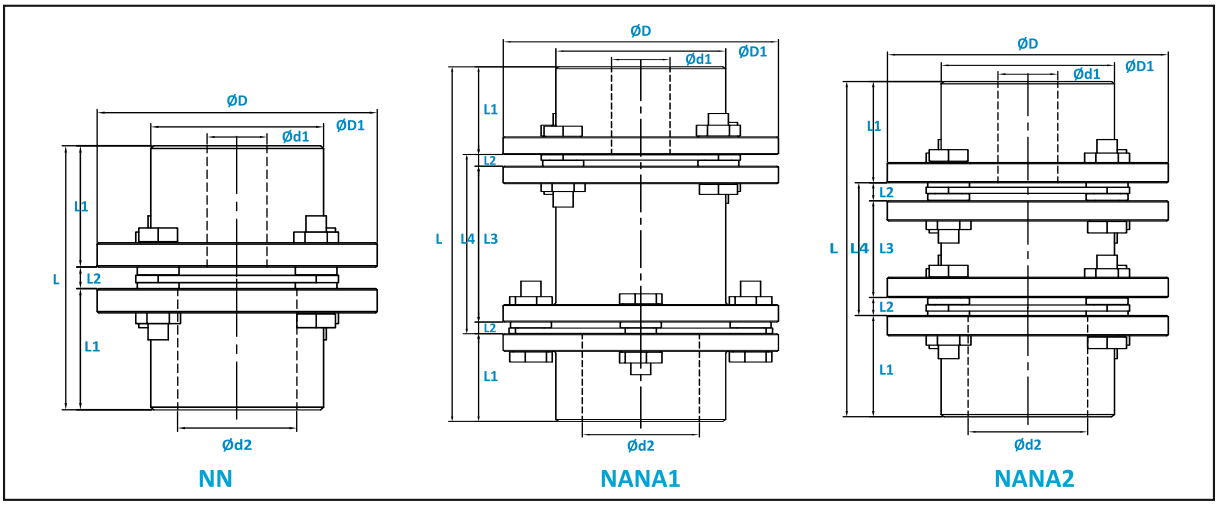

DIMENSIONAL DETAILS :

Size	Max. Finish Bore d1 or d2 mm	Outer Dia. D mm	Hub Dia. D1 mm	Hub Length L1 mm	Gap Betⁿ Hubs L2 mm	Total Length NN L mm	Total Length NANA1 L mm	Total Length NANA2 L mm	Spacer Length NANA1 L3 mm	Spacer Length NANA2 L3 mm	For NANA1 L4 mm	For NANA2 L4 mm
20	20	56	32	20	5	45	100	NA	50	NA	60	NA
25	25	68	40	25	6	56	110	NA	48	NA	60	NA
35	38	82	54	40	6	86	150	NA	58	NA	70	NA
38	42	94	58	45	8	98	170	NA	64	NA	80	NA
42	50	104	68	45	10	100	170	NA	60	NA	80	NA
50	55	126	78	55	11	121	206	NA	74	NA	96	NA
60	65	138	88	55	11	121	206	170	74	38	116	60
70	75	156	102	65	11	141	246	200	94	48	136	70
80	85	179	117	75	14	164	286	233	108	55	140	83
85	90	191	123	80	15	175	300	246	110	56	140	86
90	100	210	132	80	15	175	300	251	110	61	160	91
105	110	225	147	90	20	200	340	281	120	81	170	101
115	120	265	163	100	23	223	370	309	124	63	250	109
135	135	305	184	135	27	297	520	NA	196	NA	NA	NA

TECHNICAL DETAILS :

Size	Torque Nm		Max. Shaft Misalignment					Max. RPM	Torsional Stiffness Nm/rad
			Angular º	Axial mm		Radial mm			
	Rated Torque	Max. Torque	Per Laminae	NN	NANA1/NANA2	NANA1	NANA2		
20	30	60	1.0	0.60	1.2	1.0	0.2	20400	20000
25	60	120	1.0	0.80	1.6	1.0	0.2	16800	30000
35	120	240	1.0	1.00	2.0	1.1	0.3	13900	110000
38	240	480	1.0	1.20	2.4	1.2	0.3	12000	200000
42	320	640	1.0	1.40	2.8	1.2	0.4	11000	280000
50	470	940	1.0	1.60	3.2	1.5	0.4	9000	500000
60	900	1800	1.0	1.00	2.0	1.5	0.8	8200	560000
70	1300	2600	1.0	1.10	2.2	1.8	1.0	7300	900000
80	1800	3600	1.0	1.30	2.6	2.1	1.2	6300	1100000
85	2600	5200	1.0	1.30	2.6	2.2	1.2	5900	1500000
90	4600	9200	1.0	1.00	2.0	2.2	1.1	5400	2000000
105	5600	11200	1.0	1.20	2.4	2.4	1.4	5000	2500000
115	9900	19800	1.0	1.40	2.8	2.5	1.5	4300	3500000
135	13500	27000	1.0	1.75	3.5	3.8	NA	3700	6900000

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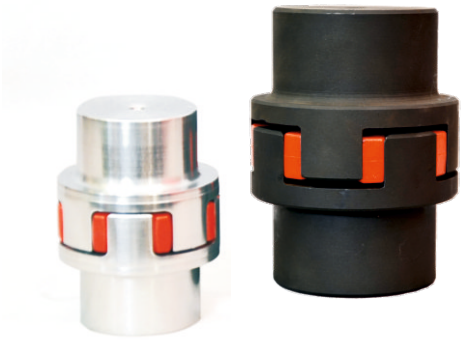

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