

RD4-S TYPE

Helical Screw Coupling

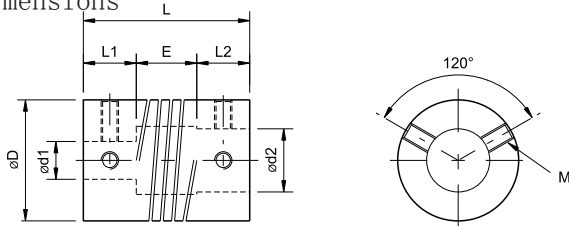


Parameters

Model	Rated Torque (N·m)	Max Torque (N·m)	Max Rotational Speed (min ⁻¹)	Moment of Inertia (kg·m ²)	Parallel Misalignment (mm)	Angular Misalignment (°)	Axial Misalignment (mm)	Static Torsional Stiffness (N.m/rad)	Weight
RD4-16S	0.4	0.8	10000	3.74x10 ⁻⁷	20	0.1	3	0.2	11.9
RD4-20S	0.7	1.4	9000	1.03x10 ⁻⁶	30	0.1	3	0.2	21.2
RD4-25S	1.2	2.4	8000	3.04x10 ⁻⁶	48	0.1	3	0.25	39.7
RD4-32S	2.0	4.0	7000	1.03x10 ⁻⁵	140	0.15	3	0.3	82.5
RD4-42S	4.8	9.6	6000	3.63x10 ⁻⁵	320	0.15	3	0.3	168.2
RD4-48S	8.2	16.4	4000	7.44x10 ⁻⁵	640	0.15	3	0.3	263.7
RD4-19SS	1.0	2.0	10000	2.2x10 ⁻⁶	230	0.1	2	0.15	36
RD4-25SS	2.2	4.4	10000	7.0x10 ⁻⁶	320	0.1	2	0.15	76
RD4-29SS	3.1	6.2	8000	2.3x10 ⁻⁵	790	0.1	2	0.15	120
RD4-38SS	7.5	15	8000	8.3x10 ⁻⁵	980	0.1	2	0.15	214
RD4-51SS	14	28	6000	2.7x10 ⁻⁴	1450	0.1	2	0.15	362

* Moment of Inertia and weight are calculated when the bore is largest.

Dimensions



Features

- Integrated gap cutting metal flexible coupling
- Zero backlash
- The spring plate formed by cutting gaps can compensate the parallel, axial and angular Misalignment.
- High torque stiffness and high sensitivity
- Performance is the same when CW and CCW rotation
- Aluminum alloy and stainless steel material

Unit [mm]

Model	d1·d2		D	L	L1	L2	E	M
	Min	Max						
RD4-16S	3	6.35	16	22	7	7	8	M3
RD4-20S	4	8	20	25	8	8	9	M4
RD4-25S	5	12	25	30	10	10	10	M4
RD4-32S	6	15	32	38	13	13	12	M5
RD4-42S	10	20	42	45	16	16	13	M6
RD4-48S	12	25	48	54	19	19	16	M8
RD4-19SS	3	6.35	19.1	19.1	2.55	2.55	14	M3
RD4-25SS	5	10	25.4	25.4	3.55	3.55	18.3	M4
RD4-29SS	6	12.7	28.6	28.6	3.6	3.6	21.4	M5
RD4-38SS	8	15	38.1	38.1	4.15	4.15	29.8	M5
RD4-51SS	12	19	50.8	50.8	5.25	5.25	40.3	M6

Standard Bore

Model	Standard Bore d1·d2 [mm]																	
	3	4	5	6	6.35	8	10	12	12.7	14	15	16	18	19	20	22	24	25
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* Special bore and keyway size can be customized.

Order Information

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