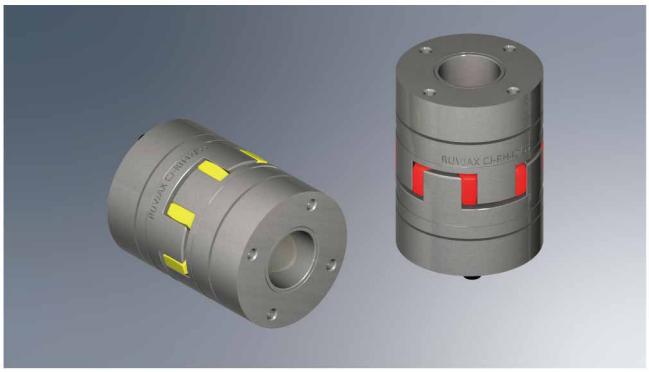


- Frictionally engaged, backlash-free. Transmittable torques depending on fit tolerance and bore diameter.
- For high-speed operation, the circumferential speed can reach 40m/s.
- Torsionally flexible, maintenance-free.
- Light mass, small moment of inertia.
- Damping impact and vibration.
- Axial plug-in, fail-safety.
- Good dynamic properties.
- Maximum torque of elastomer is twice of the rated torque.
- Mounting instructions at 03.104.

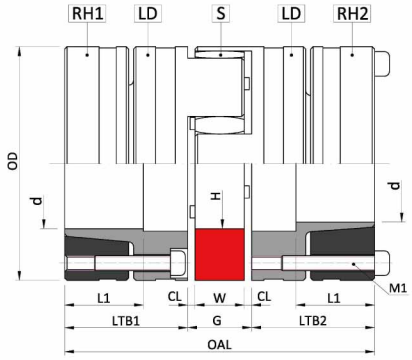
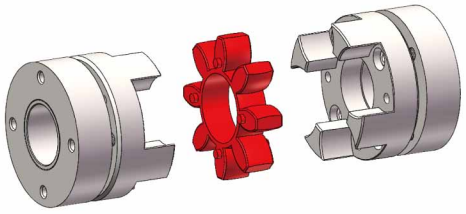


Fig 03.48



Dismantlable screw M2 (between clamping bolt M1) 03.44

Size	Spider Rated Torgue | N.m			Dimensions | mm								Hexagon cylindrical head screw			
-	92ShA	98ShA	64ShD	mm								-			
-	T_{KN}	T_{KN}	T_{KN}	OD	H	OAL	LTB1•LTB2	L1	G	W	CL	M1	z	T_A	M2*
19	10	17	21	40	18	66	25	18	16	12	2.0	M4	6	4.1	M4
24	35	60	75	55	27	78	30	22	18	14	2.0	M5	4	8.5	M5
28	95	160	200	65	30	90	35	27	20	15	2.5	M5	8	8.5	M5
38	190	325	405	80	38	114	45	35	24	18	3.0	M6	8	14.0	M6
42	265	450	560	95	46	126	50	35	26	20	3.0	M8	4	35.0	M8
48	310	525	655	105	51	140	56	41	28	21	3.5	M10	4	69.0	M10
55	375	685	825	120	60	160	65	45	30	22	4.0	M10	4	69.0	M10
65	-	940	1175	135	68	185	75	55	35	26	4.5	M12	4	120.0	M12
75	-	1920	2400	160	80	210	85	63	40	30	5.0	M12	5	120.0	M12
90	-	3600	4500	200	104	245	100	75	45	34	5.5	M16	5	295.0	M16

03.45

Bore diameter and related transmittable torque(Nm) | RH Type Hub																												
Size	10	11	14	15	16	19	20	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	80	90	95	100	105
19	27	32	69	84	57	94	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	70	87	56	97	114	116	133	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	108	131	207	148	253	285	315	382	330	433	503	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	208	353	395	439	531	463	603	593	689	793	776	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	358	398	483	416	547	536	625	571	704	851	865	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	616	704	899	896	1030	962	1160	1379	1222	1543	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	863	856	991	918	1119	1110	1247	1277	1672	1605	2008	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1446	1355	1637	1635	1827	1887	2429	2368	2930	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1710	2053	2059	2294	2384	3040	2983	3664	4293	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3845	4249	4794	5858	5900	7036	8047	9247	9575	10845

- Hub standard material is 45# steel.
- The RH1 screw is located at the side of the elastomer, the RH2 screw is located at outside.
- The coupling allowable torque is taking the smaller transmittable torque valve between the selected elastomer torque and the clamping hub.
- The clamping hub transmittable torque value is according to the maximum tolerance of the shaft K6 / bore H7. The transmission torque will decrease when the tolerance increases.
- D is the bore diameter; The metric bore according to ISO fit H7.
- The inch bore is in accordance with AGMA9002-C14 standard, the bore is clearance fit.Bore diameter and related transmittable torque(Nm) refer to Doc 03.39.01
- Hexagon socket set screws with cup point is accordance with DIN EN ISO4029, Strength class:12.9. T_A is tightening torque, unit: Nm.
- For high-speed operation, The OD will be 2mm more due to the elastomer expansion caused by force. Please specify the speed in the order.

* M2 is the dismantling screw between clamping bolt M1.