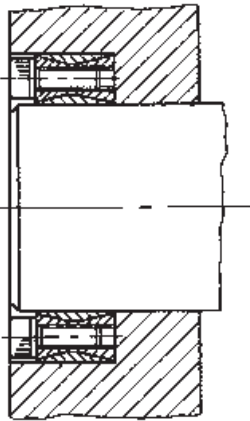


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Clamping Elements Type RCK 40



These are the original type of shaft clamping elements, proven in a wide range of applications for more than 20 years. Suited to more general applications, this series provides medium torque transmission, which can be increased by mounting the unit in series. This type does not provide self centring, and therefore other methods of centring the hub to the shaft are required. The units do not move axially during clamping and generally self-release when clamping screws are relaxed.

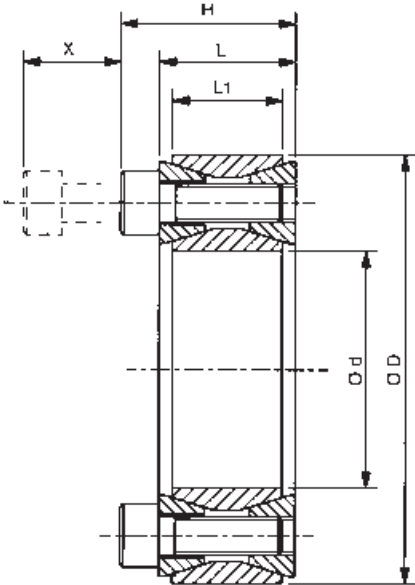
Recommended tolerances for full torque transmission are:-

Shaft h9
Hub H9

As both cones are split larger tolerances, up to h11/H11 can be accommodated, but with a reduction in torque capacity. Clamping surfaces to be finished to $R_z \leq 15 \mu\text{m}$.

If two or more elements are used in series the resultant torque will be proportionally increased. However the minimum hub dia. must be increased to accommodate the extra stress.

X = Distance required to remove screws, additional clearance for alan key may be required.



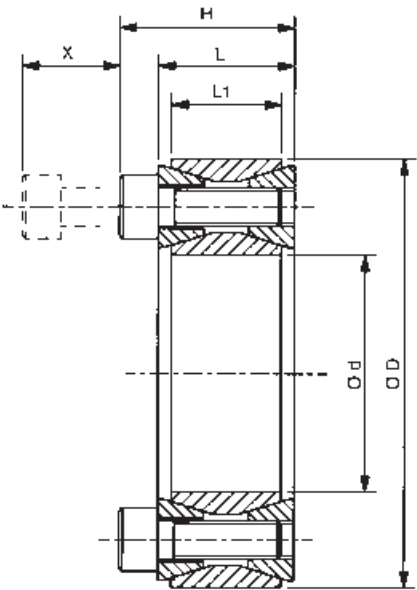
Dimensions

Part No. †	Dimensions mm						Torque Cap. M Nm	Axial Force F kN	Surface Pressure		Clamping Screws		Extraction Screws	Approx Weight kg	Min. Hub Dia* mm		
	d	D	L	L1	H	X			Shaft Ps N/mm²	Hub Ph N/mm²	Size	Torque Nm			Assy Type A	Assy Type B	Assy Type C
RCK40-18x47	18	47	20	17	28	18	250	28	235	92	M5	15	M8	0.26	63	59	56
RCK40-19x47	19	47	20	17	28	18	265	28	235	92	M6	15	M8	0.25	63	59	56
RCK40-20x47	20	47	20	17	28	18	280	28	208	92	M6	15	M8	0.24	63	59	56
RCK40-22x47	22	47	20	17	28	18	310	28	192	92	M6	15	M8	0.23	63	59	56
RCK40-24x50	24	50	20	17	28	18	370	31	192	94	M6	15	M8	0.26	68	64	60
RCK40-25x50	25	50	20	17	28	18	390	31	187	94	M6	15	M8	0.25	68	64	60
RCK40-28x55	28	55	20	17	28	18	490	35	153	94	M6	15	M8	0.30	74	70	66
RCK40-30x55	30	55	20	17	28	18	520	35	173	94	M6	15	M8	0.29	74	70	66
RCK40-32x60	32	60	20	17	28	18	680	43	205	105	M6	15	M8	0.34	84	79	73
RCK40-35x60	35	60	20	17	28	18	710	41	180	105	M6	15	M8	0.32	84	79	73
RCK40-38x65	38	65	20	17	28	18	880	46	176	108	M6	15	M8	0.36	92	86	80
RCK40-40x65	40	65	20	17	28	18	930	47	176	108	M6	15	M8	0.34	92	86	80
RCK40-42x75	42	75	20	17	28	18	1580	75	235	123	M6	15	M8	0.60	112	103	95
RCK40-45x75	45	75	24	20	34	22	1620	72	206	123	M8	37	M10	0.57	112	103	95
RCK40-48x80	48	80	24	20	34	22	1690	70	186	108	M8	37	M10	0.63	114	106	98
RCK40-50x80	50	80	24	20	34	22	1770	71	187	113	M8	37	M10	0.60	116	107	99
RCK40-55x85	55	85	24	20	34	22	2260	82	196	127	M8	37	M10	0.63	129	118	108
RCK40-60x90	60	90	24	20	34	22	2450	82	177	120	M8	37	M10	0.69	133	123	113
RCK40-65x95	65	95	24	20	34	22	3040	94	188	128	M8	37	M10	0.73	145	132	121
RCK40-70x110	70	110	28	24	40	25	4560	130	206	127	M10	70	M12	1.26	167	153	140
RCK40-75x115	75	115	28	24	40	25	4820	129	191	124	M10	70	M12	1.33	173	158	146
RCK40-80x120	80	120	28	24	40	25	5130	128	177	120	M10	70	M12	1.40	178	164	151
RCK40-85x125	85	125	28	24	40	25	6230	147	191	127	M10	70	M12	1.49	190	174	159
RCK40-90x130	90	130	28	24	40	25	6520	145	176	122	M10	70	M12	1.53	194	178	164
RCK40-95x135	95	135	28	24	40	25	7770	164	191	133	M10	70	M12	1.62	210	191	174
RCK40-100x145	100	145	33	26	47	30	9460	189	193	133	M12	127	M14	2.01	226	205	187
RCK40-110x155	110	155	33	26	47	30	10490	191	176	122	M12	127	M14	2.15	232	212	196
RCK40-120x165	120	165	33	26	47	30	12945	216	182	132	M12	127	M14	2.35	256	233	213
RCK40-130x180	130	180	38	34	47	30	17360	267	159	115	M12	127	M14	3.51	262	242	224
RCK40-140x190	140	190	38	34	52	35	20650	295	163	120	M12	127	M14	3.85	282	259	239
RCK40-150x200	150	200	38	34	52	35	23815	318	164	123	M12	127	M14	4.07	300	275	253
RCK40-160x210	160	210	38	34	52	35	27615	345	167	127	M12	127	M14	4.30	320	292	268
RCK40-170x225	170	225	44	38	60	40	32370	381	155	117	M14	195	M16	5.78	330	304	281
RCK40-180x235	180	235	44	38	60	40	37270	414	159	122	M14	195	M16	6.05	351	322	297
RCK40-190x250	190	250	52	46	68	45	45810	482	145	110	M14	195	M16	8.25	358	332	308
RCK40-200x260	200	260	52	46	68	45	51600	516	148	114	M14	195	M16	8.65	377	348	323

*Minimum outside diameter of hubs manufactured in medium carbon steels with yield strength $\geq 320 \text{ N/mm}^2$. For hub types, and other materials, refer to page 3. For assembly and disassembly instructions refer to page 24.

† Clamping Elements with inch bores are also available to order.

Clamping Elements Type RCK 40



Dimensions

Part No. †	Dimensions mm						Torque Cap. M Nm	Axial Force F kN	Surface Pressure		Clamping Screws		Extraction Screws	Approx Weight kg	Min. Hub Dia* mm		
	d	D	L	L1	H	X			Shaft Ps N/mm²	Hub Ph N/mm²	Size	Torque Nm			Assy Type A	Assy Type B	Assy Type C
RCK40-220x285	220	285	56	50	74	50	66800	607	145	112	M16	290	M18	11.3	411	380	353
RCK40-240x305	240	305	56	50	74	50	93200	777	170	134	M16	290	M18	12.3	477	432	394
RCK40-260x325	260	325	56	50	74	50	114500	881	178	143	M16	290	M18	13.3	525	472	427
RCK40-280x355	280	355	66	60	86	60	141000	1007	158	124	M18	410	M20	19.3	535	490	450
RCK40-300x375	300	375	66	60	86	60	170000	1133	166	133	M18	410	M20	20.5	583	529	483
RCK40-320x405	320	405	78	70	100	70	235500	1472	173	137	M20	590	M22	29.5	639	578	526
RCK40-340x425	340	425	78	70	100	70	250000	1471	163	130	M20	590	M22	31.1	654	596	545
RCK40-360x455	360	455	90	80	114	80	329000	1828	167	132	M22	790	M24	42.7	706	641	586
RCK40-380x475	380	475	90	80	114	80	346400	1823	158	126	M22	790	M24	44.8	721	659	605
RCK40-400x495	400	495	90	80	114	80	365000	1825	150	121	M22	790	M24	46.9	738	677	624
RCK40-420x515	420	515	90	80	114	80	430000	2048	160	131	M22	790	M24	49.0	795	723	661
RCK40-440x545	440	545	102	90	132	90	492000	2236	149	120	M24	1000	M24	64.7	808	743	685
RCK40-460x565	460	565	102	90	132	90	514000	2235	142	116	M24	1000	M24	67.3	825	761	704
RCK40-480x585	480	585	102	90	132	90	563000	2346	143	117	M24	1000	M24	70.0	859	791	732
RCK40-500x605	500	605	102	90	132	90	615000	2460	144	119	M24	1000	M24	72.6	894	822	759
RCK40-520x630	520	630	102	90	132	90	654000	2515	141	117	M24	1000	M24	79.2	923	851	787
RCK40-540x650	540	650	102	90	132	90	679000	2515	136	113	M24	1000	M24	81.9	941	869	806
RCK40-560x670	560	670	102	90	132	90	751000	2682	140	117	M24	1000	M24	84.7	983	906	837
RCK40-580x690	580	690	102	90	132	90	810000	2793	141	118	M24	1000	M24	87.4	1017	936	865
RCK40-600x710	600	710	102	90	132	90	838000	2793	136	115	M24	1000	M24	90.2	1034	955	884
RCK40-620x730	620	730	102	90	132	90	901000	2906	137	116	M24	1000	M24	92.9	1069	985	911
RCK40-640x750	640	750	102	90	132	90	966000	3019	138	118	M24	1000	M24	95.7	1103	1016	939
RCK40-660x770	660	770	102	90	132	90	1030000	3121	131	112	M24	1000	M24	98.4	1110	1027	953
RCK40-680x790	680	790	102	90	132	90	1070000	3147	128	110	M24	1000	M24	101.2	1130	1048	974
RCK40-700x810	700	810	102	90	132	90	1150000	3286	130	112	M24	1000	M24	103.9	1167	1080	1002
RCK40-720x830	720	830	102	90	132	90	1190000	3306	127	110	M24	1000	M24	106.7	1188	1101	1023
RCK40-740x850	740	850	102	90	132	90	1270000	3432	129	112	M24	1000	M24	109.4	1225	1133	1052
RCK40-760x870	760	870	102	90	132	90	1350000	3553	129	113	M24	1000	M24	112.2	1258	1163	1079
RCK40-780x890	780	890	102	90	132	90	1390000	3564	127	111	M24	1000	M24	114.9	1278	1183	1099
RCK40-800x910	800	910	102	90	132	90	1450000	3625	125	110	M24	1000	M24	117.7	1302	1207	1122
RCK40-820x930	820	930	102	90	132	90	1530000	3732	126	111	M24	1000	M24	120.5	1336	1237	1149
RCK40-840x950	840	950	102	90	132	90	1620000	3857	127	112	M24	1000	M24	123.2	1369	1267	1176
RCK40-860x970	860	970	102	90	132	90	1690000	3930	126	112	M24	1000	M24	126.0	1398	1293	1200
RCK40-880x990	880	990	102	90	132	90	1770000	4023	126	112	M24	1000	M24	128.7	1427	1320	1225
RCK40-900x1010	900	1010	102	90	132	90	1840000	4089	126	112	M24	1000	M24	131.5	1456	1347	1250
RCK40-920x1030	920	1030	102	90	132	90	1900000	4130	124	111	M24	1000	M24	134.2	1479	1370	1272
RCK40-940x1050	940	1050	102	90	132	90	1990000	4234	124	111	M24	1000	M24	137.0	1508	1396	1297
RCK40-960x1070	960	1070	102	90	132	90	2080000	4333	125	112	M24	1000	M24	139.7	1542	1427	1324
RCK40-980x1090	980	1090	102	90	132	90	2160000	4408	125	112	M24	1000	M24	142.5	1571	1453	1349
RCK40-1000x1110	1000	1110	102	90	132	90	2230000	4460	123	111	M24	1000	M24	145.2	1594	1476	1371

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For hub types, and other materials, refer to page 3. For assembly and disassembly instructions refer to page 24.
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