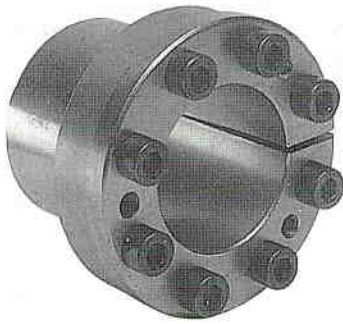
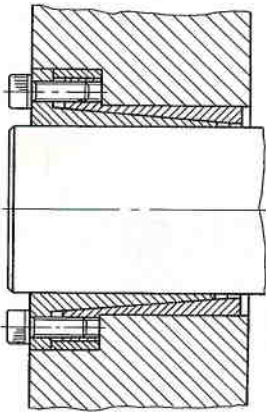


Clamping Elements Type RCK 80



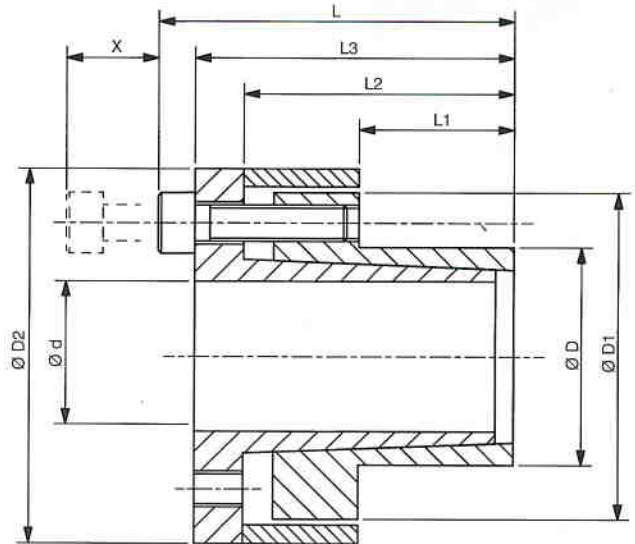
Available for shaft diameters down to 6mm, these shaft clamping elements are designed to fit into small diameter hubs, being particularly suited to light duty, light torque applications. A spacer ring prevents axial movement during clamping; and design ensures good levels of concentricity. For correct operation of these units, the hub diameter should not be less than the flange diameter D_2 , even though with many materials stress limits would allow selection of smaller hub diameters.



Recommended tolerances for full torque transmission are:-

Shaft h8
Hub H8

Clamping surfaces to be finished to $\leq 15 \mu\text{m}$.



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 Press.		Clamping Screws			Approx Weight kg	Min. Hub Dia* mm		
	d	D	D ₁	D ₂	L	L ₁	L ₂	L ₃	X			Shaft Ps N/mm ²	Hub Ph N/mm ²	No.	Size	Torque Nm		Assy Type A	Assy Type B	Assy Type C
RCK80-6X14	6	14	23	25	25.5	10.0	18.5	22.5	10	12	4	182	78	3	M3	2.2	0.04	18	17	17
RCK80-8X15	8	15	24	27	29.5	12.0	21.5	25.5	12	28	7	198	104	3	M4	5	0.05	21	20	19
RCK80-9X16	9	16	25	28	31.5	14.0	23.5	27.5	12	31	7	150	85	3	M4	5	0.07	21	20	19
RCK80-10X16	10	16	25	28	31.5	14.0	23.5	27.5	12	35	7	135	85	3	M4	5	0.06	21	20	19
RCK80-11X18	11	18	28	32	31.5	14.0	23.5	27.5	12	51	9	163	100	4	M4	5	0.09	25	24	22
RCK80-12X18	12	18	28	32	31.5	14.0	23.5	27.5	12	56	9	151	100	4	M4	5	0.08	25	24	22
RCK80-14X23	14	23	35	39	31.5	14.0	23.5	27.5	12	66	9	129	78	4	M4	5	0.18	30	28	27
RCK80-15X24	15	24	40	45	42.5	16.0	29.5	36.5	18	175	23	189	135	4	M6	17	0.22	38	35	31
RCK80-16X24	16	24	40	45	42.5	16.0	29.5	36.5	18	175	22	202	135	4	M6	17	0.21	38	35	31
RCK80-18X26	18	26	42	47	45.5	19.0	32.5	39.5	18	196	22	180	124	4	M6	17	0.24	40	36	33
RCK80-19X27	19	27	43	49	45.5	19.0	32.5	39.5	18	207	22	170	119	4	M6	17	0.25	40	37	34
RCK80-20X28	20	28	44	50	45.5	19.0	32.5	39.5	18	219	22	161	115	4	M6	17	0.26	41	38	35
RCK80-22X32	22	32	48	54	52.5	26.0	39.5	46.5	18	226	21	99	67	4	M6	17	0.35	40	38	37
RCK80-24X34	24	34	50	56	52.5	26.0	39.5	46.5	18	392	33	146	102	6	M6	17	0.36	48	45	42
RCK80-25X34	25	34	50	56	52.5	26.0	39.5	46.5	18	411	33	140	102	6	M6	17	0.40	48	45	42
RCK80-28X39	28	39	55	61	52.5	25.5	39.5	46.5	18	460	33	125	90	6	M6	17	0.42	52	49	47
RCK80-30X41	30	41	57	62	52.5	25.5	39.5	46.5	18	490	33	116	85	6	M6	17	0.44	54	51	49
RCK80-32X43	32	43	59	65	52.5	25.5	39.5	46.5	18	701	44	146	108	8	M6	17	0.46	61	57	53
RCK80-35X47	35	47	62	69	58.5	31.5	45.5	52.5	18	720	41	97	72	8	M6	17	0.57	59	57	54
RCK80-38X50	38	50	66	72	58.5	31.5	45.5	52.5	18	781	41	90	68	8	M6	17	0.60	62	60	57
RCK80-40X53	40	53	69	75	58.5	31.5	45.5	52.5	18	768	38	85	64	8	M6	17	0.66	65	63	60
RCK80-42X55	42	55	71	78	58.5	31.5	45.5	52.5	18	863	41	80	64	8	M6	17	0.71	68	65	62
RCK80-45X59	45	59	80	86	79.0	45.0	62.5	71.0	22	1711	76	100	76	8	M8	41	1.14	76	72	69
RCK80-48X62	48	62	81	87	79.0	45.0	62.5	71.0	22	1824	76	93	72	8	M8	41	1.40	78	75	71
RCK80-50X65	50	65	86	92	79.0	45.0	62.5	71.0	22	1902	76	90	68	8	M8	41	1.58	81	78	74
RCK80-55X71	55	71	92	98	89.0	55.0	72.5	81.0	22	2353	86	75	58	9	M8	41	2.00	86	83	80
RCK80-60X77	60	77	98	104	89.0	55.0	72.5	81.0	22	2569	86	68	53	9	M8	41	2.30	91	88	85
RCK80-65X84	65	84	105	111	89.0	55.0	72.5	81.0	22	2786	86	63	53	9	M8	41	2.50	100	96	93
RCK80-70X90	70	90	113	119	106.5	65.0	86.5	96.5	25	4755	136	79	61	9	M10	83	2.83	110	105	101
RCK80-75X95	75	95	119	126	106.5	65.0	86.5	96.5	25	5100	136	73	57	9	M10	83	3.10	114	110	106
RCK80-80X100	80	100	125	131	106.5	65.0	86.5	96.5	25	7250	181	92	57	12	M10	83	3.27	120	116	112
RCK80-85X106	85	106	131	137	106.5	65.0	86.5	96.5	25	7700	181	86	57	12	M10	83	3.50	127	123	118
RCK80-90X112	90	112	137	144	106.5	65.0	86.5	96.5	25	8160	181	81	57	12	M10	83	3.80	134	130	125
RCK80-95X120	95	120	142	149	106.5	65.0	86.5	96.5	25	10800	227	98	80	14	M10	83	4.20	155	147	140
RCK80-100X125	100	125	147	154	106.5	65.0	86.5	96.5	25	14800	296	118	93	18	M10	83	4.90	169	159	149

*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 unit to function correctly hub diameter should not be less than flange outside diameter D_2 .
For assembly and disassembly instructions refer to page 16.