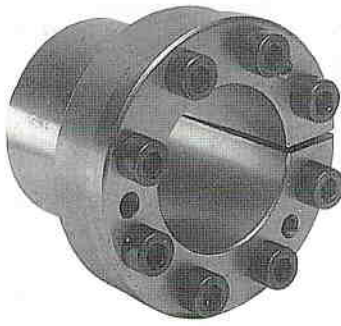
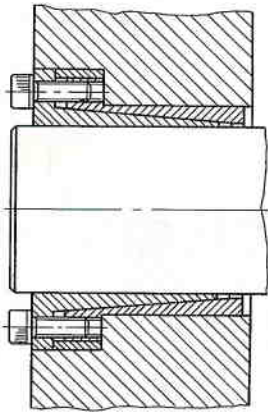


Clamping Elements Type RCK 80 **CROSS**



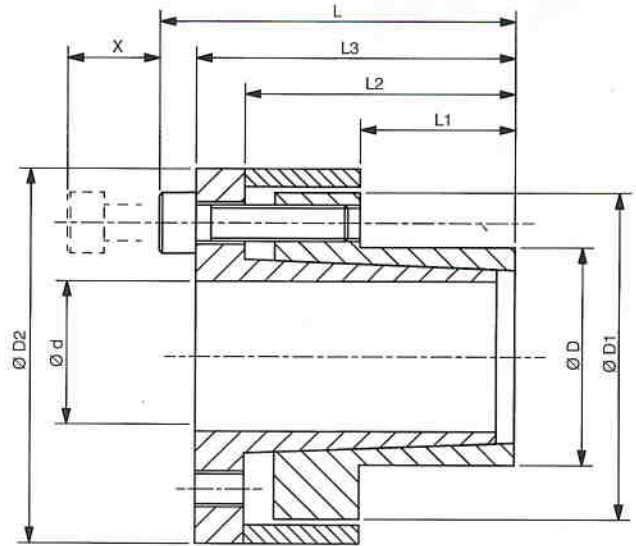
Available for shaft diameters down to 6mm, these shaft clamping elements are designed to fit into small diameter hubs, being particularly suited to light duty, light torque applications. A spacer ring prevents axial movement during clamping; and design ensures good levels of concentricity. For correct 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	D1	D2	L	L1	L2	L3	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.