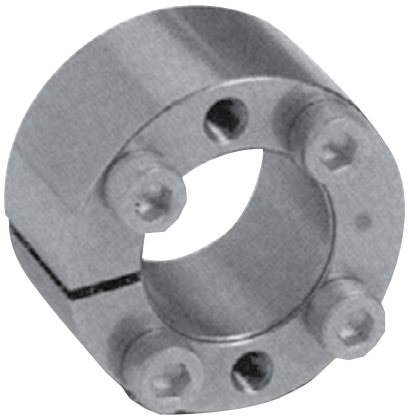
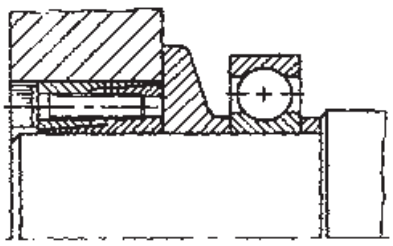
Clamping Elements Type RCK 61



Available for shaft diameters from 10mm, these clamping elements are designed for small low torque applications, providing concentric connection of components to shafting. The thin wall design combined with low hub pressures enable use within small hub diameters. The design is intended that the units fit totally within the hub bore to provide safe surface. Some axial movement will occur when the units are clamped.

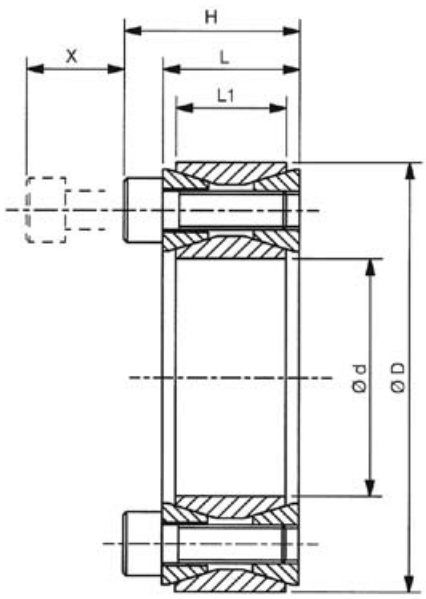


Recommended tolerances for full torque transmission are:-

Shaft h8
Hub H8

Clamping surfaces to be finished to Rz ≤ 15 μm.

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		Approx Weight	Min. Hub Dia* mm		
	d	D	L	L_1	X			Shaft Ps N/mm²	Hub Ph N/mm²	Size	Torque Nm	kg	Assy Type A	Assy Type B	Assy Type C
RCK61-5x16	5	16	13.5	11	10	5	2.0	176	55	M2.5	1.2	0.05	19	18	18
RCK61-6x16	6	16	13.5	11	10	6	2.0	147	55	M2.5	1.2	0.05	19	18	18
RCK61-7x17	7	17	13.5	11	10	8	2.3	134	55	M2.5	1.2	0.06	20	20	19
RCK61-8x18	8	18	13.5	11	10	10	2.5	113	50	M2.5	1.2	0.07	21	20	20
RCK61-9x20	9	20	15.5	13	12	15	3.3	122	55	M2.5	1.2	0.09	24	23	22
RCK61-10x20	10	20	15.5	13	12	19	3.8	90	45	M2.5	1.2	0.08	23	22	22
RCK61-11x22	11	22	15.5	13	12	21	3.8	82	41	M2.5	1.2	0.09	25	24	24
RCK61-12x22	12	22	15.5	13	12	23	3.8	75	41	M2.5	1.2	0.09	25	24	24
RCK61-14x26	14	26	20	17	16	39	5.6	71	38	M3	2.1	0.12	29	29	28
RCK61-15x28	15	28	20	17	16	42	5.6	67	36	M3	2.1	0.13	31	31	30
RCK61-16x32	16	32	21	17	16	77	9.6	108	54	M4	4.9	0.15	38	37	35
RCK61-17x35	17	35	25	21	20	82	9.6	82	40	M4	4.9	0.21	40	39	38
RCK61-18x35	18	35	25	21	20	87	10	78	40	M4	4.9	0.20	40	39	38
RCK61-19x35	19	35	25	21	20	91	10	74	40	M4	4.9	0.19	40	39	38
RCK61-20x38	20	38	26	21	20	157	16	114	60	M5	9.7	0.21	46	44	43
RCK61-22x40	22	40	26	21	20	173	16	104	57	M5	9.7	0.22	48	46	45
RCK61-24x47	24	47	32	26	24	268	22	110	56	M6	17	0.31	56	54	52
RCK61-25x47	25	47	32	26	24	279	22	105	56	M6	17	0.30	56	54	52
RCK61-28x50	28	50	32	26	24	468	33	141	79	M6	17	0.33	64	61	58
RCK61-30x55	30	55	32	26	24	502	33	132	72	M6	17	0.40	69	66	63
RCK61-32x55	32	55	32	26	24	535	33	124	72	M6	17	0.38	69	66	63
RCK61-35x60	35	60	37	31	28	781	45	125	73	M6	17	0.54	76	72	69
RCK61-38x65	38	65	37	31	28	848	45	115	67	M6	17	0.63	80	77	74
RCK61-40x65	40	65	37	31	28	892	45	109	67	M6	17	0.59	80	77	74
RCK61-42x75	42	75	44	36	34	1272	61	121	68	M8	41	1.00	93	89	85
RCK61-45x75	45	75	44	36	34	1363	61	113	68	M8	41	0.95	93	89	85
RCK61-48x80	48	80	44	36	34	1938	81	142	85	M8	41	1.07	105	99	94
RCK61-50x80	50	80	44	36	34	2019	81	136	85	M8	41	1.02	105	99	94

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

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