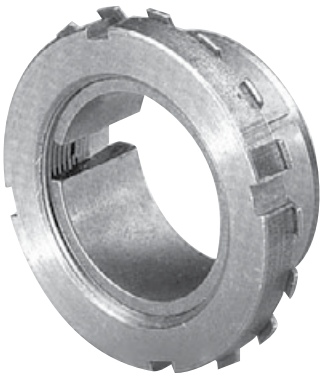
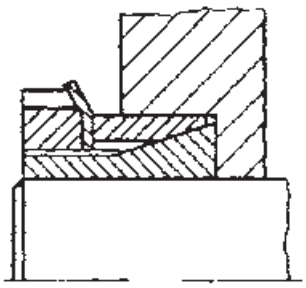
Clamping Elements Types CCE 54 and CCE 55





These clamping elements use a single lock nut to apply the clamping pressure, thereby enabling quick assembly and removal. The lock nut can be secured in postition by bending over a tab of lock washer. The thin walls of the clamping cones, combined with low hub pressures enables use with soft materials, such as aluminium, and small hub diameters.

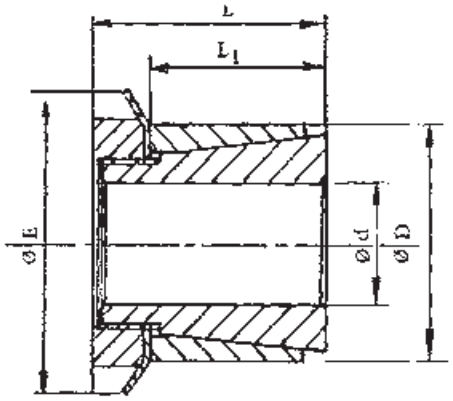
Use type CCE 54 where axial space is restricted and torque is low.

Type CCE 55 is for higher torque transmission.

Recommended tolerances for full torque transmission are:-

Shaft h8
Hub H8

Clamping surfaces to be finished to Rz ≤ 15 μm.



Dimensions

Part No.	Dimensions mm					Torque Cap. M Nm	Axial Force F kN	Surface Pressure		Locking Nut			Min. Hub Dia* mm		
	d	D	D_2	L	L_1			Shaft Ps N/mm²	Hub Ph N/mm²	Type	Thread	Torque Nm	Assy Type A	Assy Type B	Assy Type C
CCE54-14x25	14	25	32	16.5	6.5	52	7	241	135	KM4	M20	95	39	36	32
CCE54-15x25	15	25	32	16.5	6.5	56	7	225	135	KM4	M20	95	39	36	32
CCE54-16x25	16	25	32	16.5	6.5	60	8	211	135	KM4	M20	95	39	36	32
CCE54-17x25	17	25	38	17.5	6.5	63	7	118	80	KM5	M25	160	32	31	29
CCE54-18x30	18	30	38	17.5	6.5	91	10	257	154	KM5	M25	160	51	45	40
CCE54-19x30	19	30	38	17.5	6.5	96	10	243	154	KM5	M25	160	51	45	40
CCE54-20x30	20	30	38	17.5	6.5	102	10	231	154	KM5	M25	160	51	45	40
CCE54-24x35	24	35	45	17.5	6.5	139	12	219	150	KM6	M30	220	58	52	47
CCE54-25x35	25	35	45	17.5	6.5	144	12	210	150	KM6	M30	220	58	52	47
CCE54-28x40	28	40	52	18.5	6.5	215	15	249	174	KM7	M35	340	74	64	56
CCE54-30x40	30	40	52	20.0	8.0	230	15	188	141	KM7	M35	340	64	58	52
CCE54-32x45	32	45	58	22.0	9.0	210	13	113	80	KM8	M40	320	58	55	52
CCE54-35x45	35	45	58	22.0	9.0	331	19	199	155	KM8	M40	480	76	68	61
CCE54-40x50	40	50	65	25.0	10.0	477	24	176	141	KM9	M45	680	80	72	66
CCE54-45x55	45	55	70	26.0	10.0	617	27	180	147	KM10	M50	870	90	81	73
CCE54-48x60	48	60	75	26.0	10.0	669	28	171	137	KM11	M55	970	95	86	78
CCE54-50x60	50	60	75	26.0	10.0	697	28	164	137	KM11	M55	970	95	86	78
CCE54-55x65	55	65	80	28.0	12.0	796	29	129	109	KM12	M60	1100	93	86	80
CCE54-60x70	60	70	85	29.0	12.0	946	32	130	111	KM13	M65	1300	101	93	86
CCE54-70x84	70	84	98	29.5	13.5	1433	41	127	106	KM15	M75	2000	119	110	103
CCE55-14x25	14	25	32	29	17	90	13	143	80	KM4	M20	90	32	31	29
CCE55-15x25	15	25	32	29	17	100	13	133	80	KM4	M20	90	32	31	29
CCE55-16x25	16	25	32	29	17	80	10	94	60	KM4	M20	70	30	29	28
CCE55-17x25	17	25	38	31	18	113	13	103	70	KM5	M25	90	31	30	29
CCE55-18x30	18	30	38	33	20	100	11	75	45	KM5	M25	160	35	34	33
CCE55-19x30	19	30	38	33	20	105	11	71	45	KM5	M25	160	35	34	33
CCE55-20x30	20	30	38	33	20	112	11	68	45	KM5	M25	160	35	34	33
CCE55-24x35	24	35	45	38	25	178	15	66	45	KM6	M30	220	40	39	38
CCE55-25x35	25	35	45	38	25	185	15	63	45	KM6	M30	220	40	39	38
CCE55-28x40	28	40	52	44	30	250	18	57	40	KM7	M35	340	45	44	43
CCE55-30x40	30	40	52	44	30	270	18	53	40	KM7	M35	340	45	44	43
CCE55-32x45	32	45	58	4	28	420	26	98	70	KM8	M40	320	56	54	51
CCE55-35x45	35	45	58	45	30	390	22	58	45	KM8	M40	480	52	50	49
CCE55-40x50	40	50	65	46	30	620	31	56	45	KM9	M45	680	58	56	54
CCE55-45x55	45	55	70	47	30	580	26	61	50	KM10	M50	870	64	62	60
CCE55-50x60	50	60	75	47	30	880	35	60	50	KM11	M55	970	70	68	66
CCE55-55x65	55	65	80	48	30	1030	37	59	50	KM12	M60	1100	76	74	71
CCE55-60x70	60	70	85	50	30	1360	45	64	55	KM13	M65	1300	83	80	78

*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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