

MS 200

MS 200 - This is suitable for wide range of applications, mainly suitable for high torques. This is also cost effective. If the application requires an accurate axial positioning, then these locking assemblies are not recommended.

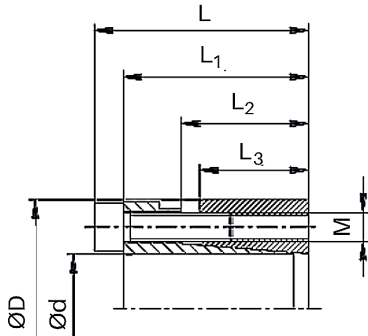
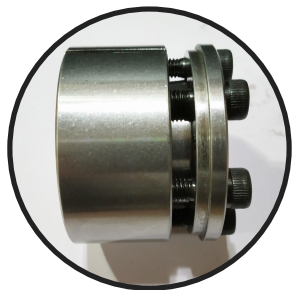
Centering - MS 200 is Self - Centering and hence additional hub centering is not required here.

Installation - Carefully clean the contact surface of the hub and the shaft. Later, apply a very thin layer of oil on both the surface. Insert the Locking Assembly fit into the hub and then push it on the shaft. Then tighten all the clamping screws in a crossed sequence using a torque wrench to reach the tightening torque T_A mentioned in the table below. The tightening torque of the clamping screws is verified in the same order of arrangement. In case of oil installation, please refer the columns T and F_{ax} in the table shown below.

Note : Do not use any oil/ grease that contains Molybdenum disulphide additive or high pressure additive or additives of Teflon and silicon. Avoid use of sliding grease or any sort of lubrication that reduces the coefficient of friction. In case the assembly of tapers is done without the use of oil then the figures in the table may differ.

Disassembly - Unscrew the clamped screws. Then insert the screws into the forcing threads in the crossed sequence and gradually tighten them until the rare cone ring is released. If the application is going to be used again, then repeat the lubrication process on both, the screws and the threads.

Axial Displacement - While tightening of the screws, the hub may slightly have an axial movement towards the shaft.



MS 200

Size [mm]	Dimensions [mm]				Clamping screws DIN EN ISO 4762 - 12.9 $\mu_{\text{total}} = 0.14$				Transmittable torque or axial force	
	d x D	L	L ₁	L ₂	L ₃	M	Length	Number z	T _A [Nm]	T [Nm]
20 x 47	48	42	31	26	M6	25	6	17	530	53
22 x 47	48	42	31	26	M6	25	6	17	580	53
24 x 50	48	42	31	26	M6	25	6	17	630	53
25 x 50	48	42	31	26	M6	25	6	17	660	53
28 x 55	48	42	31	26	M6	25	6	17	740	53
30 x 55	48	42	31	26	M6	25	6	17	790	53
32 x 60	48	42	31	26	M6	25	8	17	1150	72
35 x 60	48	42	31	26	M6	25	8	17	1300	74
38 x 65	48	42	31	26	M6	25	8	17	1300	68
40 x 65	48	42	31	26	M6	25	8	17	1400	70
42 x 75	59	51	35	30	M8	30	6	41	2000	95
45 x 75	59	51	35	30	M8	30	6	41	2200	98
48 x 80	59	51	35	30	M8	30	8	41	3200	133
50 x 80	59	51	35	30	M8	30	8	41	3300	132
55 x 85	59	51	35	30	M8	30	8	41	3600	131
60 x 90	59	51	35	30	M8	30	8	41	3900	130
65 x 95	59	51	35	30	M8	30	8	41	4300	132
70 x 110	71	61	46	40	M10	30	8	83	7500	214
75 x 115	71	61	46	40	M10	30	8	83	8000	213
80 x 120	71	61	46	40	M10	30	8	83	8500	213
85 x 125	71	61	46	40	M10	30	10	83	11400	268
90 x 130	71	61	46	40	M10	30	10	83	12000	267
95 x 135	71	61	46	40	M10	30	10	83	12600	265
100 x 145	80	68	52	45	M12	35	8	145	15000	300
110 x 155	80	68	52	45	M12	35	8	145	16500	300
120 x 165	80	68	52	45	M12	35	10	145	22500	375
130 x 180	80	68	52	45	M12	35	12	145	29000	446
140 x 190	90	76	58	50	M14	40	10	210	32000	457
150 x 200	90	76	58	50	M14	40	12	210	41000	547
160 x 210	90	76	58	50	M14	40	12	210	44000	550
170 x 225	90	76	58	50	M14	40	14	210	54500	641
180 x 235	90	76	58	50	M14	40	14	210	57500	639
190 x 250	90	76	58	50	M14	40	15	210	65000	684
200 x 260	90	76	58	50	M14	40	15	210	68000	680