

MS 603

MS 603 - This type of Locking Assembly is a 4 part set up including the tightening bolts, consisting of the 2 outer rings and one inner slot ring. This kind is used for average to high torque loads.

Centering – This is self centering and hence additional hub centering is not required. This also provides good concentricity.

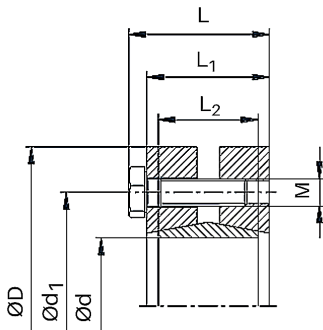
Installation - For MS 603 you not only have to clean but also degrease the contact surface of the shaft and the hub. For the hub, you degrease it on the inside of the hollow shaft. Though, the lubrication can be done for the hub on the outside of the hollow shaft. Once this is done then assemble the external ring over the hub/hollow shaft and then with the help of tightening screws, evenly tighten the screws until they reach the mentioned tightening torque T_A . Here, there are a series of attempts made to tighten the screws for them reaching the mentioned T_A i.e tightening torque mentioned in the table. The figures arrived for T and axial force F_{ax} i.e mentioned in the table are calculated in terms of the oiled/greased assembly of the external clamping set. In case you are looking for assembly of the external set without oiling and greasing then please contact us - since the figures mentioned in the table will not be the same.

Note : Do not use any oil/ grease that contains Molybdenum disulphide additives or high-pressure additives 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 - The disassembly procedure is very simple. All the screws need to be unscrewed evenly one by one; You may not even need to unscrew them completely, since the entire locking assembly set releases by itself.

Axial Displacement - For MS 603, there is no axial displacement towards the hub while tightening of the screws.

Note - MS 603 has ID sizes upto 500mm. Please do reach out to us or our dealers for further assistance and detailed product catalog.



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Size [mm]	Shaft Dia d_w [mm]	Transmittable torque or axial force		Dimensions [mm]				Clamping screws DIN EN ISO 4014 - 10.9 $\mu_{total} = 0.10$			
		T[Nm]	F_{ax} [kN]	L	L_1	L_2	d_1	M	Length	Number z	T_A [Nm]
14 x 38	10	28	6	14,5	11	9	24	M5	10	4	3,5
	11	38	7								
	12	50	8								
16 x 41	12	50	8	18,5	15	11	26	M5	14	5	4
	13	70	11								
	14	90	13								
24 x 50	19	180	19	22,5	19	14	36	M5	18	6	5
	20	210	21								
	21	250	24								
30 x 60	24	310	26	24,5	21	16	44	M5	18	6	6
	25	340	27								
	26	380	29								
36 x 72	28	460	33	27	23	18	52	M6	20	5	12
	30	590	39								
	31	630	41								
44 x 80	32	630	39	29	25	20	61	M6	22	7	12
	35	780	45								
	36	860	48								
50 x 90	38	940	49	31	27	22	70	M6	22	8	12
	40	1100	55								
	42	1300	62								
55 x 100	42	1200	57	34	30	23	75	M6	25	8	12
	45	1500	67								
	48	1900	79								
62 x 110	48	1800	75	34	30	23	86	M6	25	10	12
	50	2200	88								
	52	2400	92								
68 x 115	50	2000	80	34	30	23	86	M6	25	10	12
	55	2500	91								
	60	3100	103								