

Tightening torques

Contact face/head support made from A2 or A4 stainless steel.

Coefficient of friction for thread and head support $\mu_{ges} = 0.23$.

Preload force based on 80% of the 0.2% yield point of $R_{p0.2} = 200 \text{ N/mm}^2$.

	Coefficient of friction μ_{ges}	Hole \emptyset [mm]	Head \emptyset [mm]	Tensile stress cross section [mm ²]	Preload force FV [N]	Tightening torque MA [Nm]
M3	0,23	3,4	7	5,03	805	0,84
M4	0,23	4,5	9,2	8,78	1.405	1,94
M5	0,23	5,5	10,5	14,2	2.272	3,76
M6	0,23	6,6	13	20,1	3.216	6,47
M8	0,23	9	16,8	36,6	5.856	15,54
M10	0,23	11	20,6	58	9.280	30,39
M12	0,23	13,5	23,8	84,3	13.488	52,46
M16	0,23	17,5	29,7	157	25.120	125,87
M20	0,23	22	36	245	39.200	243,28