

STAINLESS STEEL ORIGINAL WASHERS

Bolt size	Washer size	Pitch [mm]	A4-70, Cu/C paste, $G_F=65\%$, $\mu_{th}=0,13$, $\mu_h=0,13$		A4-80, Cu/C paste, $G_F=65\%$, $\mu_{th}=0,13$, $\mu_h=0,13$	
			Torque [Nm]	Clamp load [kN]	Torque [Nm]	Clamp load [kN]
M3	NL3 ss	0,50	0,8	1,5	1,1	2,0
M4	NL4 ss	0,7	1,8	2,6	2,4	3,4
M5	NL5 ss	0,8	3,6	4,1	4,8	5,5
M6	NL6 ss	1,0	6,3	5,9	8,4	7,8
M8	NL8 ss	1,25	15	11	20	14
M10	NL10 ss	1,5	30	17	39	23
M12	NL12 ss	1,75	51	25	68	33
M14	NL14 ss	2,0	81	34	108	45
M16	NL16 ss	2,0	124	46	165	61
M18	NL18 ss	2,5	173	56	231	75
M20	NL20 ss	2,5	243	72	323	95
M22	NL22 ss	2,5	330	89	440	118
M24	NL24 ss	3,0	418	103	557	137
M27	NL27 ss	3,0	609	134	812	179
M30	NL30 ss	3,5	831	164	1108	219
M36	NL36 ss	4,00	1444	239	1925	319

Cu/C paste = Copper/graphite paste (Molykote® 1000)
 G_F = ratio of yield point. When tightening according to guidelines and with no deviation, this is the pre-stress achieved expressed as % of yield point.

μ_{th} = thread friction coefficient
 μ_h = under head friction coefficient
 1 N = 0,225 lb
 1 Nm = 0,738 ft-lb

Thread friction coefficients have theoretical values but are verified through testing. Under head friction coefficients have been established by tests.

Torque guidelines for other bolt grades are available through your local Nord-Lock representative.

Nord-Lock stainless steel washers with stainless steel bolt, lubricated with copper/graphite paste (Molykote® 1000).

- Torque guide torquelator.nord-lock.com
- 2D/3D CAD models and current dimensions nord-lock.com/cad