

## STAINLESS STEEL ORIGINAL WASHERS

Bolt size	Washer size	Pitch [TPI]	316ss, G <sub>F</sub> =65% μ <sub>th</sub> =0,12, μ <sub>h</sub> =0,13		304ss, G <sub>F</sub> =65% μ <sub>th</sub> =0,14, μ <sub>h</sub> =0,13	
			Torque [ftlb]	Clamp load [lb]	Torque [ftlb]	Clamp load [lb]
#5	NL3ss	40	0.6	342	0.7	342
#6	NL3.5ss	32	0.8	392	0.9	392
#8	NL4ss	32	1.4	602	1.5	602
#10	NL5ss	24	2.1	756	2.3	756
1/4	NL1/4"ss	20	5.1	1,368	5.3	1,368
5/16	NL8ss	18	10	2,249	11	2,249
3/8	NL3/8"ss	16	18	3,320	19	3,320
7/16	NL11ss	14	28	4,553	30	4,553
1/2	NL1/2"ss	13	43	6,072	46	6,072
9/16	NL14ss	12	62	7,781	66	7,781
5/8	NL16ss	11	85	9,663	90	9,663
3/4	NL3/4"ss	10	103	9,884	110	9,884
7/8	NL22ss	9	165	13,637	176	13,637
1	NL1"ss	8	250	17,886	266	17,886
1 1/8	NL30ss	7	355	22,542	377	22,542
1 3/8	NL36ss	6	649	34,089	691	34,089

Cu/C paste = Copper/graphite paste (Molykote® 1000)  
G<sub>F</sub>= 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<sub>th</sub> = thread friction coefficient  
μ<sub>h</sub> = under head friction coefficient  
1 lbf = 4.448 N  
1 ft-lb = 1.356 Nm

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](http://torquelator.nord-lock.com)
- 2D/3D CAD models and current dimensions [nord-lock.com/cad](http://nord-lock.com/cad)