NORD-LOCK®
PART OF THE NORD-LOCK GROUP

# 254 SMO®
# 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 | NL3ss-254 | 0,5 | 0,8 | 1,5 | 1,1 | 2,0 |
| M4 | NL4ss-254 | 0,7 | 1,8 | 2,6 | 2,4 | 3,4 |
| M5 | NL5ss-254 | 0,8 | 3,6 | 4,1 | 4,8 | 5,5 |
| M6 | NL6ss-254 | 1,0 | 6,3 | 5,9 | 8,4 | 7,8 |
| M8 | NL8ss-254 | 1,25 | 15 | 11 | 20 | 14 |
| M10 | NL10ss-254 | 1,5 | 30 | 17 | 39 | 23 |
| M12 | NL12ss-254 | 1,75 | 51 | 25 | 68 | 33 |
| M14 | NL14ss-254 | 2,0 | 81 | 34 | 108 | 45 |
| M16 | NL16ss-254 | 2,0 | 124 | 46 | 165 | 61 |
| M18 | NL18ss-254 | 2,5 | 173 | 56 | 231 | 75 |
| M20 | NL20ss-254 | 2,5 | 243 | 72 | 323 | 95 |
| M22 | NL22ss-254 | 2,5 | 330 | 89 | 440 | 118 |
| M24 | NL24ss-254 | 3,0 | 418 | 103 | 557 | 137 |
| M27 | NL27ss-254 | 3,0 | 609 | 134 | 812 | 179 |
| M30 | NL30ss-254 | 3,5 | 831 | 164 | 1108 | 219 |
| M36 | NL36ss-254 | 4,0 | 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.
$\mu_{th}$ = thread friction coefficient
$\mu_h$ = 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 254 SMO® 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