**Head Office:**
ABN: 68 140 091 158
P: 08 8326 6300 | F: 08 8326 4685
E: admin@maxilift.com.au
A: 12-16 Dorset Street, Lonsdale, SA, 5160
W: www.maxilift.com.au

# Recommended Torque Settings

| | | | |
|---|---|---|---|
| **Product:** | All | **Document No.** | TB-024-B |
| **Revision Date:** | 04/04/25 | **Revision No.** | B |
| **Relevant Models / Variants / Serial Numbers:** | | All Products | |

Below are the recommended Torque Settings for all hold down bolts. The installation configuration should be to the manufacture's recommendations, including subframe configuration, mounting bolts and torque settings. The procedure for evenly torquing all bolts should be as per the manufacturer's guidelines.

Different manufacturers specify different bolt specifications; therefore torque settings, mounting configurations and torquing procedures will vary between manufacturers. Always consult the relevant installation manual for specific information.

**Please note:** Whilst torquing to the required specification, ensure the chassis or subframe components are not deforming under the load of the bolts.

**Maxilift**
Threads are to be slightly lubricated with dry nut's and mounting support areas.

| Model | Thread | Torque (Nm) |
|---|---|---|
| **Basic Crane – Without Base** | | |
| **M50** | M16x2 - 8.8 | 120 |
| **ML110** | M16x2 - 8.8 | 120 |
| **ML150** | M16x2 – 8.8 | 120 |
| **ML180** | M20.1.5 - 10.9 | 250 |
| **ML230** | M20.1.5 - 10.9 | 250 |
| **ML270** | M20.1.5 - 10.9 | 250 |
| **ML270L** | M20.1.5 - 10.9 | 250 |
| **ML330** | M20.1.5 - 10.9 | 250 |
| **ML380** | M20.1.5 - 10.9 | 250 |
| **ML510L** | M27x3 – 8.8 | 550 |
| **Crane With Base** | | |
| **M50** | M16x2 - 8.8 | 120 |
| **ML110** | M16x2 - 8.8 | 120 |
| **ML150** | M16x2 – 8.8 | 120 |
| **ML180** | M20 x 1.5 – 8.8 | 180 |
| **ML230** | M20 x 1.5 – 8.8 | 180 |
| **ML270** | M20 x 1.5 – 8.8 | 180 |
| **ML270L** | M20 x 1.5 – 8.8 | 180 |
| **ML330** | M20 x 1.5 – 8.8 | 180 |
| **ML380** | M20 x 1.5 – 8.8 | 180 |
| **ML510L** | M20x1.5 – 10.9 | 250 |

**Head Office:**
ABN: 68 140 091 158
P: 08 8326 6300 | F: 08 8326 4685
E: admin@maxilift.com.au
A: 12-16 Dorset Street, Lonsdale, SA, 5160
W: www.maxilift.com.au

**Cobra**

| Model | Thread | Torque (Nm) |
|---|---|---|
| **3800** | M20 x 1.5 x 250 | 250 |
| **4400L** | M20 x 1.5 x 250 | 250 |
| **5500** | M20 x 1.5 x 250 | 250 |
| **6800** | M27 x 3 x 250 | 410 |
| **8000** | M27 x 3 x 250 | 680 |
| **8000L** | M27 x 3 x 250 | 680 |
| **11000** | M27 x 3 x 250 | 880 |
| **12000X** | M27 x 3 x 250 | 880 |
| **12000X L** | M27 x 3 x 250 | 880 |
| **14000** | M27 x 3 x 250 | 880 |

**Unic**

| Series | Thread | Torque (Nm) |
|---|---|---|
| **260** | M22 x 500 | 205 - 245 |
| **290** | M22 x 500 | 205 - 245 |
| **340** | M22 x 800 | 205 - 245 |
| **370** | M22 x 800 | 205 - 245 |
| **500** | M24 x 1000 | 275-315 |
| **540** | M24 x 1000 | 275-315 |
| **640** | M24 x 1000 | 275-315 |
| **800** | M30 x 850 | 295-345 |

**HIAB**

Threads and contact surfaces of nuts should not be oiled when tightening

** Take additional caution not to deflect subframe, chassis or crane structure when torquing**

| Model | Number of Bolts | Thread | Torque (Nm) |
|---|---|---|---|
| **044, 046** | Six | M18 | 386 |
| **058, 062, 072, 082** | Four | M24 | 1000 |
| **108, 108PLUS 118** | Four | M27 | 1370 |
| | | M30 | 1860 |
| **138, 158** | Six | M27 | 1370 |
| | | M30 | 1860 |
| **188, 228** | Six | M30 | 1860 |
| **258,298,302** | Eight | M30 | 1680 |
| **358, 408, 418** | Six | M33 | 1940 |
| **352, 362** | Eight | M33 | 1940 |
| **548, 558** | Six | M36 | 2330 |
| | | M42 | 3720 |

**Head Office:**
ABN: 68 140 091 158
P: 08 8326 6300 | F: 08 8326 4685
E: admin@maxilift.com.au
A: 12-16 Dorset Street, Lonsdale, SA, 5160
W: www.maxilift.com.au

**Effer Space**
Threads and contact surfaces of nuts should not be oiled when tightening

** Take additional caution not to deflect subframe, chassis or crane structure when torquing**

| Model | Thread | Torque (Nm) |
|---|---|---|
| **65D** | M24 x 2 | 1000 |
| **80D** | M27 | 1370 |
| | M30 | 1860 |
| **80D PLUS** | M27 | 1370 |
| | M30 | 1860 |
| **105D** | M27 | 1370 |
| | M30 | 1860 |
| **105D PLUS** | M27 | 1370 |
| | M30 | 1860 |
| **125HP** | M27 | 1370 |
| | M30 | 1860 |
| **145HP** | M30 | 1860 |
| **195HP** | M30 | 1860 |
| **355HP** | M33 | 2580 |

**Effer Progress**
Tie-rods / nuts untreated, lightly lubricated in the thread and under the head of the bolt.

| Model | Thread | Torque (Nm) |
|---|---|---|
| **35** | M18 X 1.5 | 108-162 |
| **175** | M24 x 2 | 266-399 |
| **215** | M27 x 2 | 396-594 |
| **265** | M27 x 2 | 396-594 |
| **315** | M33 x 2 | 752-1130 |
| **395** | M33 x 2 | 752-1130 |