



# SUPERBOLT®

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## General Tensioner Installation Sheet (SI Units)

The following information is specific for this  
**PART NUMBER >**

### MT-M36-4/W

The jackbolt threads of the tensioner assembly have been lubricated at the factory. Please refer to the installation procedure for additional lubrication instructions and tips.

Lubricant Required

A calibrated torque wrench and socket are required to install the Superbolt tensioner. Please refer to the installation procedure for tool selection.

Socket Size Required

The standard catalog values for this part number are as follows:

Nominal Preload  kN

Equivalent Hex Nut Torque  N•m  
(oil lube)

Nominal Jackbolt Torque  N•m

Corresponding Bolt Stress  MPa

**NOTE:** The above values are catalog values and are not always suitable for your application. If your application requires a different value, one of the following equations can be used to calculate the required jackbolt torque.

• If the required preload is known:

$$\text{Required Jackbolt Torque} = \frac{\text{Required Preload} \times \text{Nominal Jackbolt Torque}}{\text{Nominal Preload}} = \frac{\quad \times 72}{343} = \quad (\text{N}\cdot\text{m})$$

• If the required bolt stress is known:

$$\text{Required Jackbolt Torque} = \frac{\text{Required Bolt Stress} \times \text{Nominal Jackbolt Torque}}{\text{Corresponding Bolt Stress}} = \frac{\quad \times 72}{420} = \quad (\text{N}\cdot\text{m})$$

• If the required hex nut torque is known:

$$\text{Required Jackbolt Torque} = \frac{\text{Required Hex Nut Torque} \times \text{Nom. Jackbolt Torque}}{\text{Equivalent Hex Nut Torque}} = \frac{\quad \times 72}{2,181} = \quad (\text{N}\cdot\text{m})$$

This table is intended to show a range of possible values for each of the above factors. The top row lists the standard catalog values shown above. If you find the required value, read across to find the corresponding jackbolt torque. If your value is not in the table, you can determine the required jackbolt torque using one of the equations shown above.

**Note:** In some cases, the standard preload is not the maximum. Higher preloads may be available, depending on temperature range and bolting application (i.e. permanent vs. periodic removals). Before installing tensioners to higher values than the standard ratings or if you have questions regarding this sheet, please contact SUPERBOLT, INC.

Preload (kN)	Bolt Stress (MPa)	Equivalent Hex Nut Torque (N•m) [oil lube]	Jackbolt Torque (N•m)
343	420	2,181	72
327	400	2,080	69
286	350	1,819	60
245	300	1,558	51
204	250	1,297	43
163	200	1,037	34