

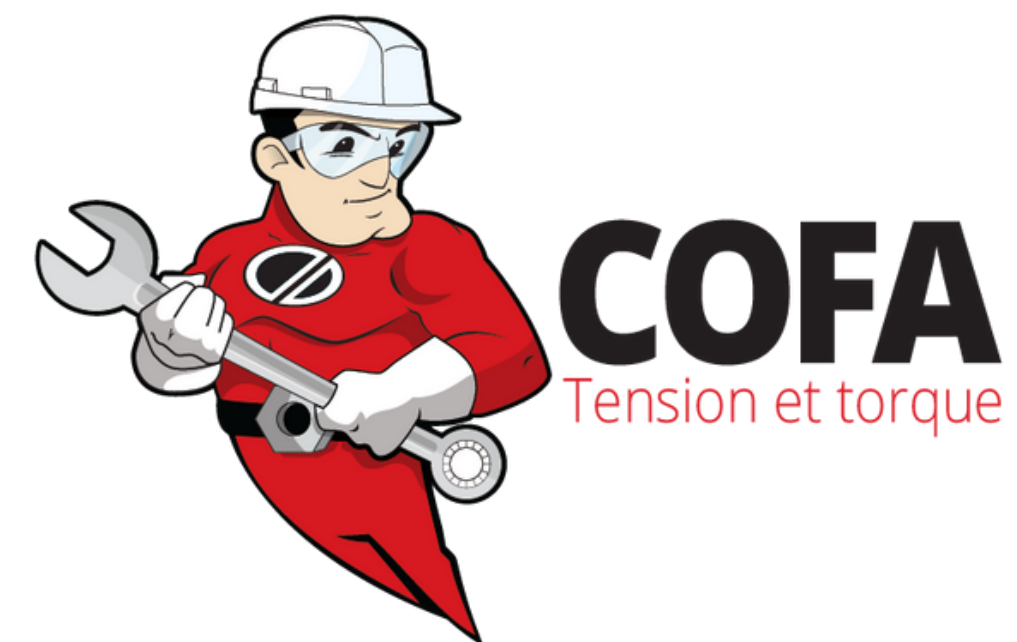
# TENDEURS HYDRAULIQUES (TENSIONERS) HYTORC

TENDEURS HYDRAULIQUES (TENSIONERS) & ACCESSOIRES



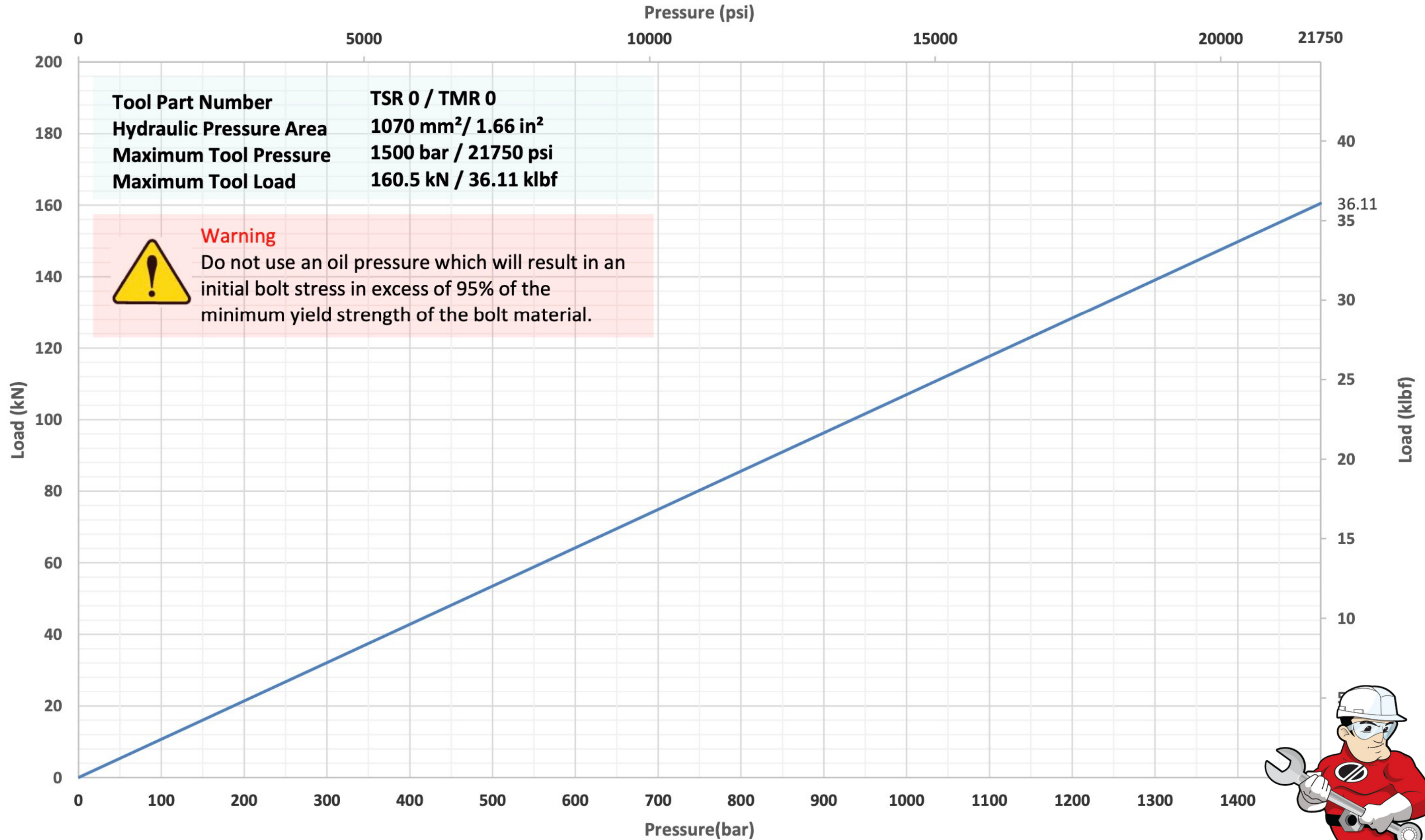
## TENSIONER LOAD

### Graphiques de TSR 0 à TSR 7





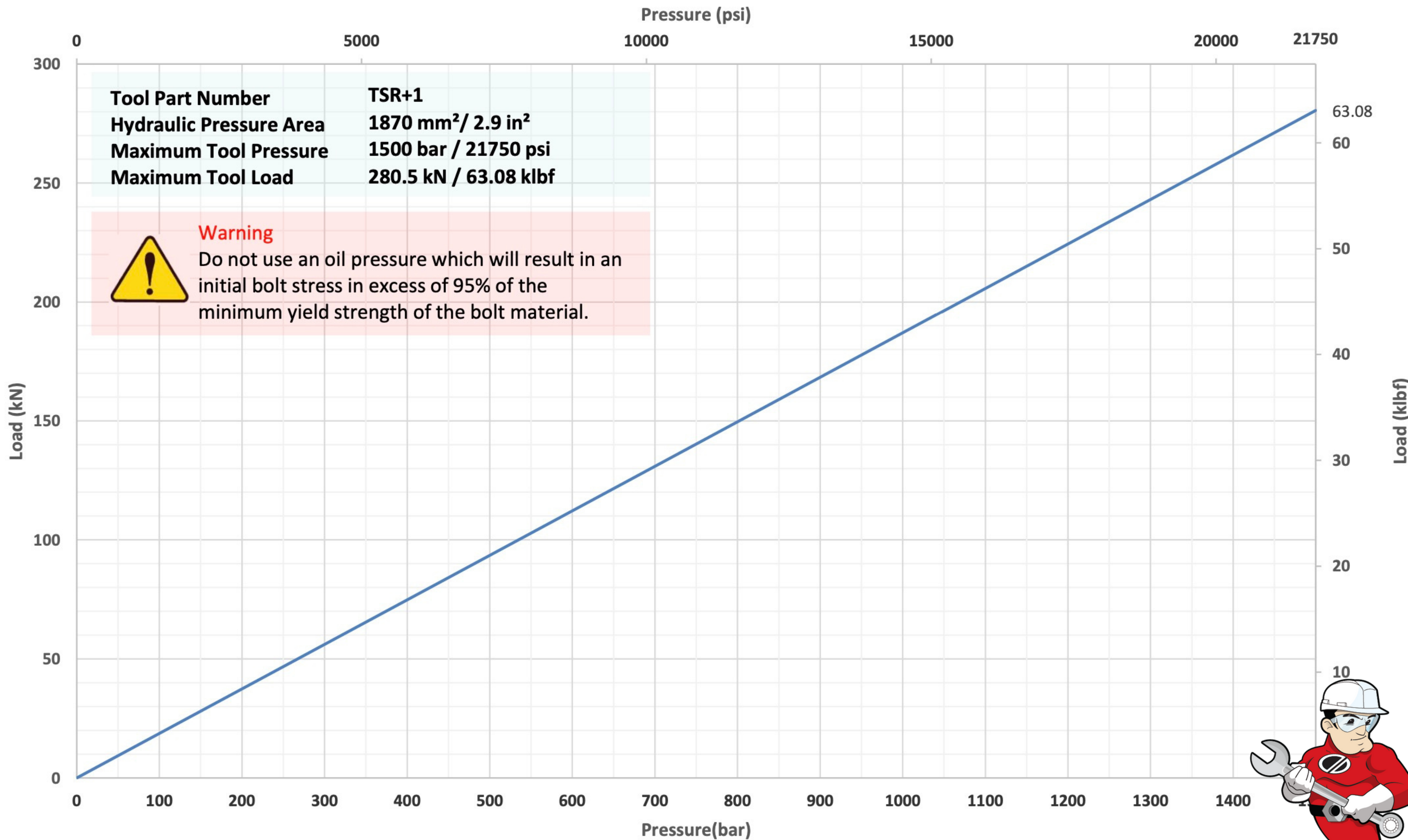
# Tensioner Load / Pressure Graph




**Tool Part Number** TSR 0 / TMR 0  
**Hydraulic Pressure Area** 1070 mm<sup>2</sup> / 1.66 in<sup>2</sup>  
**Maximum Tool Pressure** 1500 bar / 21750 psi  
**Maximum Tool Load** 160.5 kN / 36.11 klbf

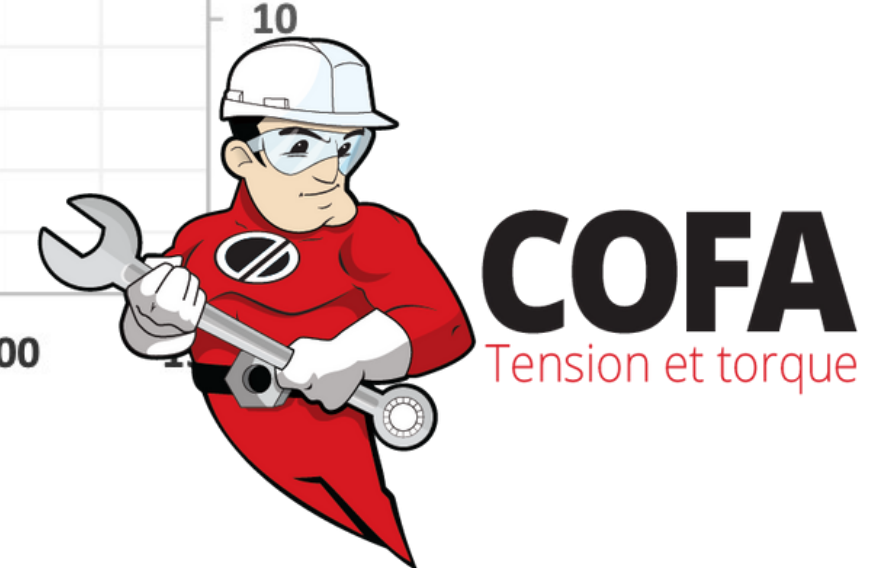


# Tensioner Load / Pressure Graph



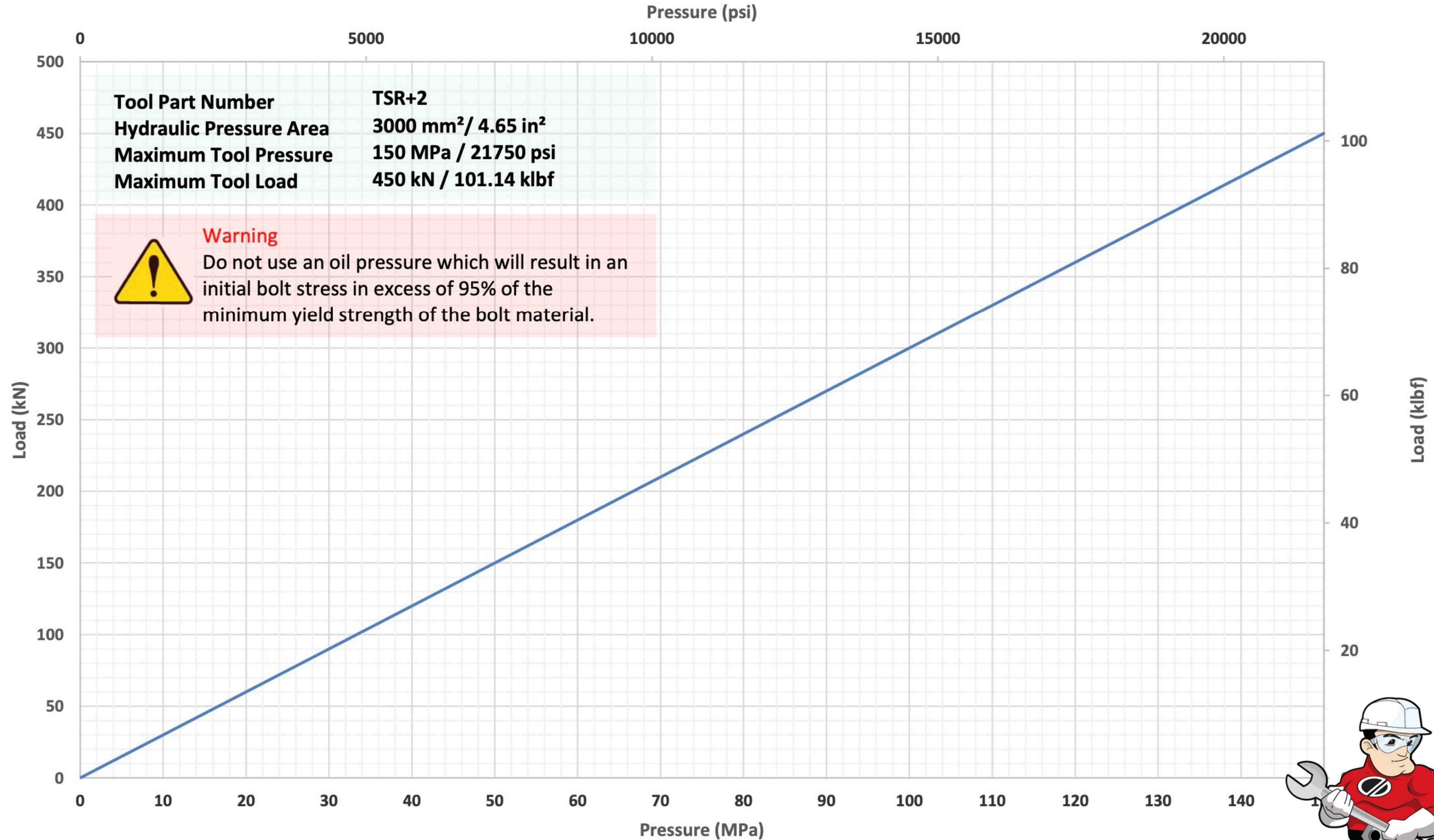
**Tool Part Number**      **TSR+1**  
**Hydraulic Pressure Area**      **1870 mm<sup>2</sup> / 2.9 in<sup>2</sup>**  
**Maximum Tool Pressure**      **1500 bar / 21750 psi**  
**Maximum Tool Load**      **280.5 kN / 63.08 klbf**

 **Warning**  
Do not use an oil pressure which will result in an initial bolt stress in excess of 95% of the minimum yield strength of the bolt material.





# Tensioner Load / Pressure Graph



**Tool Part Number**      **TSR+2**  
**Hydraulic Pressure Area**      **3000 mm<sup>2</sup>/ 4.65 in<sup>2</sup>**  
**Maximum Tool Pressure**      **150 MPa / 21750 psi**  
**Maximum Tool Load**      **450 kN / 101.14 klbf**

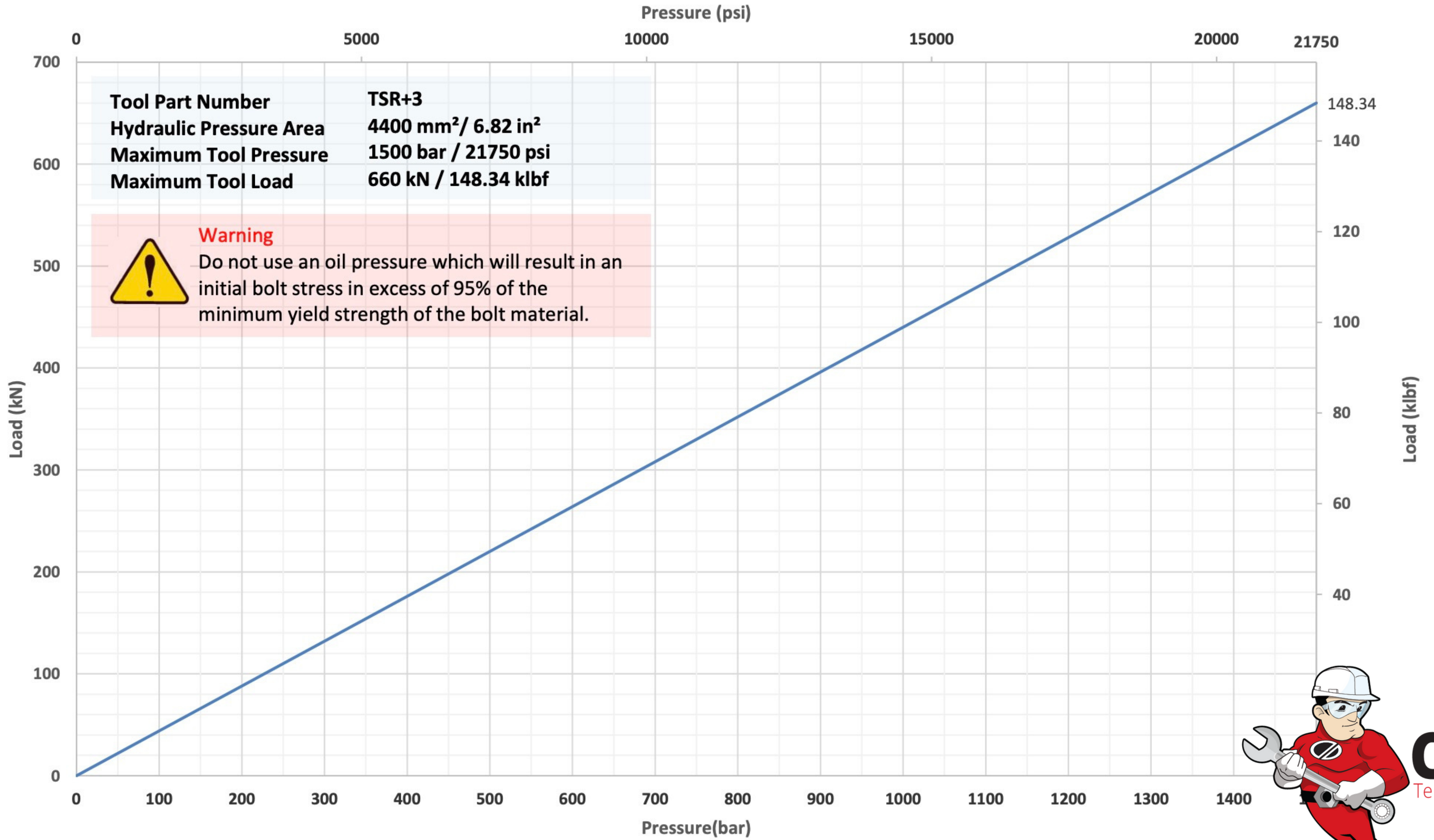


**Warning**  
Do not use an oil pressure which will result in an initial bolt stress in excess of 95% of the minimum yield strength of the bolt material.



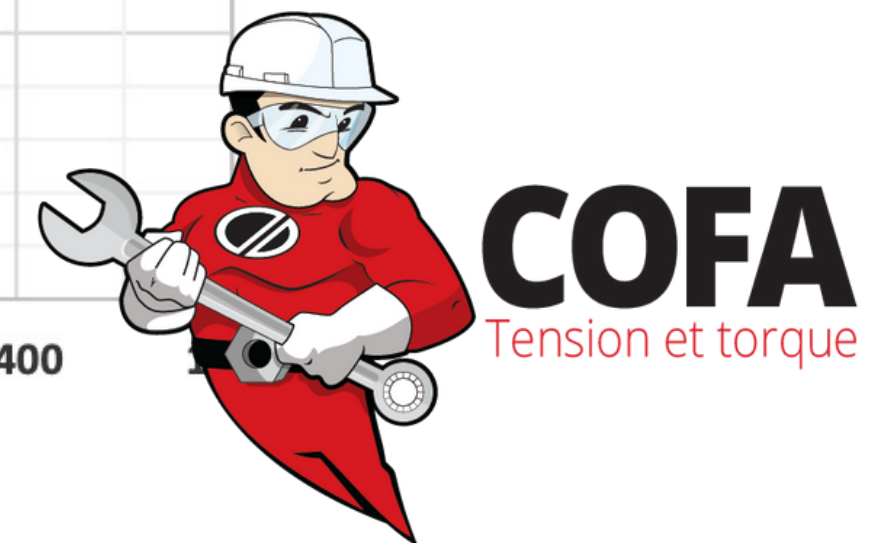
**COFA**  
Tension et torque

# Tensioner Load / Pressure Graph



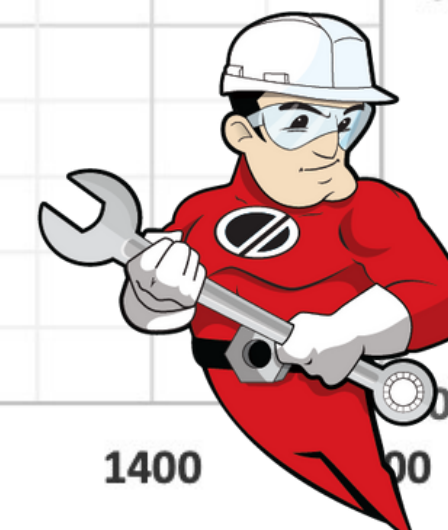
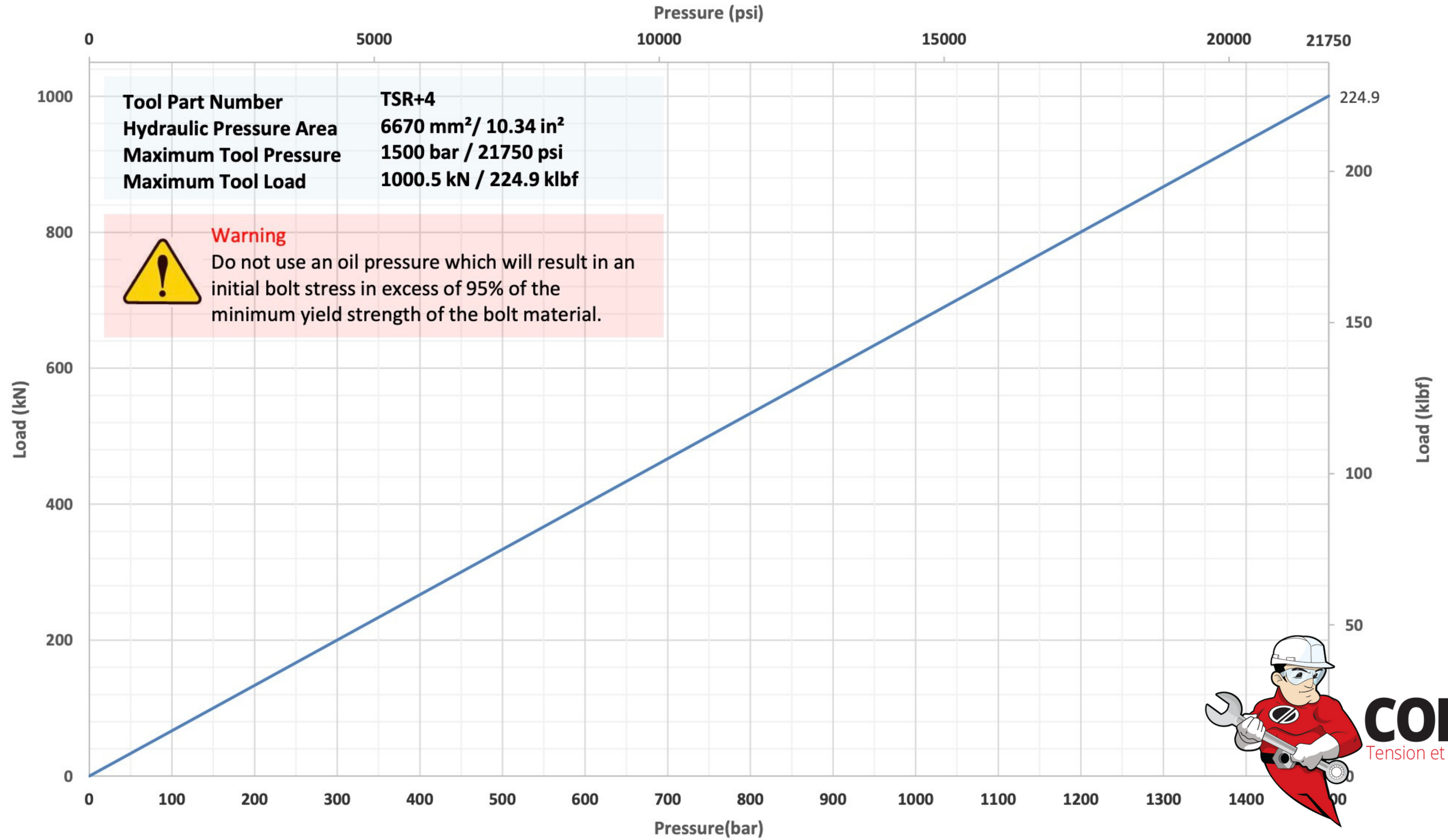
**Tool Part Number** TSR+3  
**Hydraulic Pressure Area** 4400 mm<sup>2</sup> / 6.82 in<sup>2</sup>  
**Maximum Tool Pressure** 1500 bar / 21750 psi  
**Maximum Tool Load** 660 kN / 148.34 klbf

**Warning**  
Do not use an oil pressure which will result in an initial bolt stress in excess of 95% of the minimum yield strength of the bolt material.

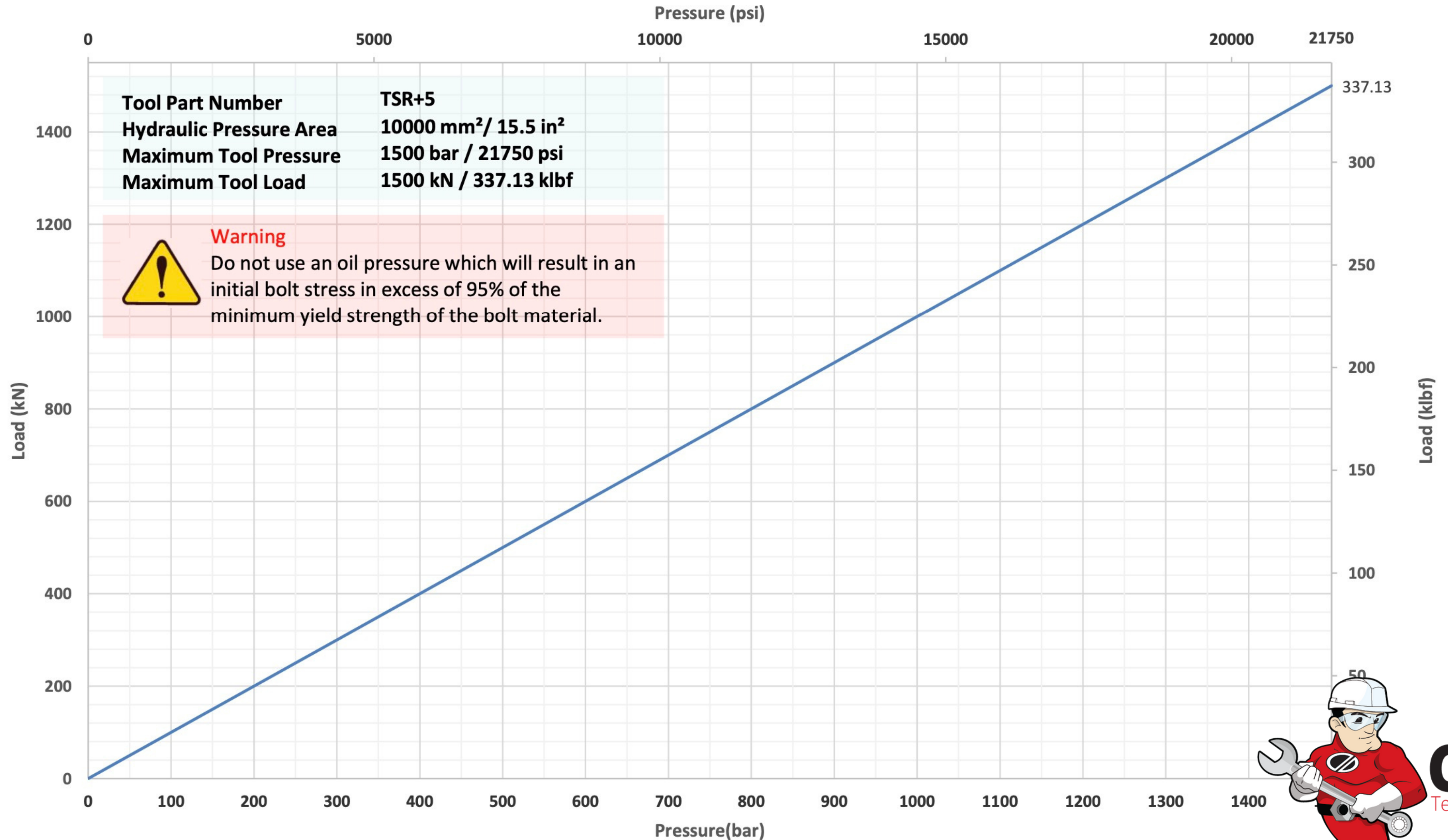




# Tensioner Load / Pressure Graph



# Tensioner Load / Pressure Graph

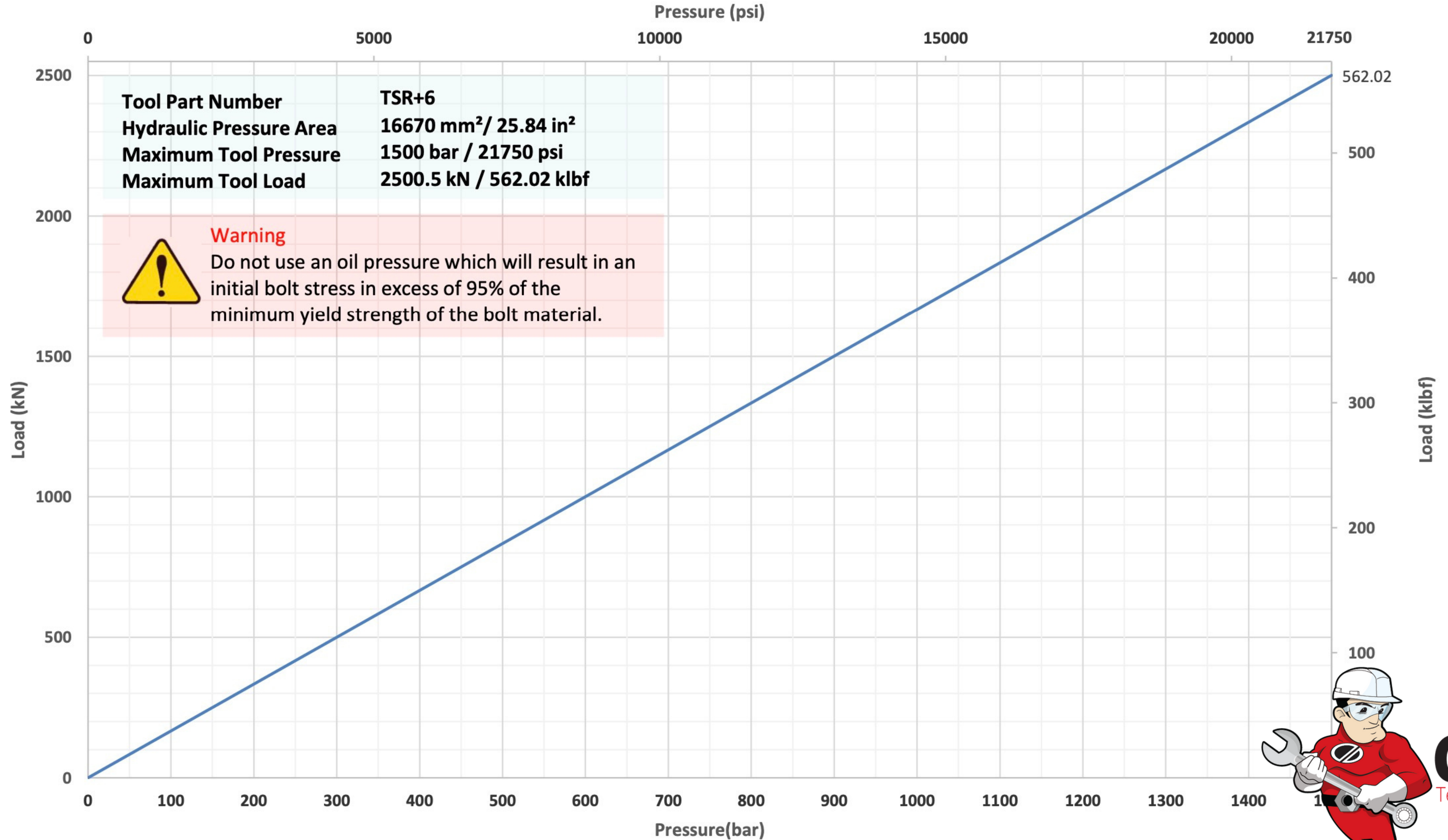


**Tool Part Number** TSR+5  
**Hydraulic Pressure Area** 10000 mm<sup>2</sup>/ 15.5 in<sup>2</sup>  
**Maximum Tool Pressure** 1500 bar / 21750 psi  
**Maximum Tool Load** 1500 kN / 337.13 klbf

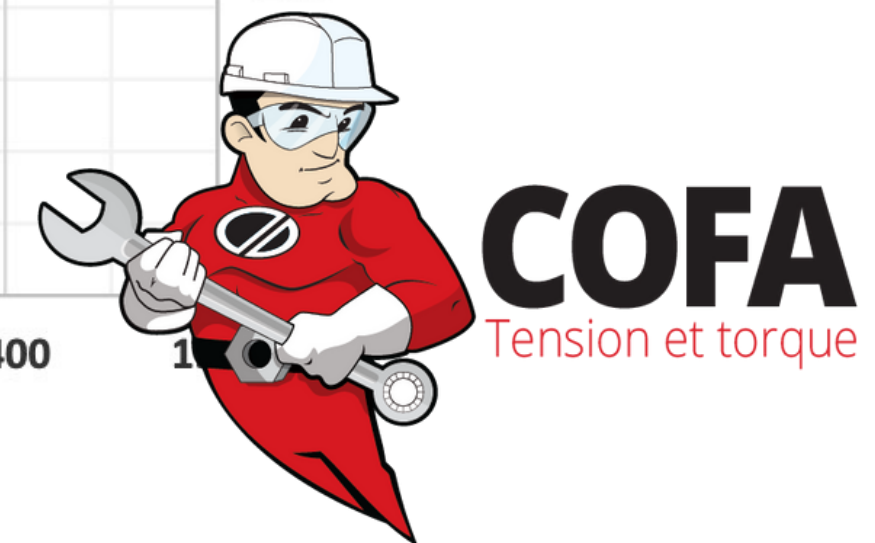




# Tensioner Load / Pressure Graph

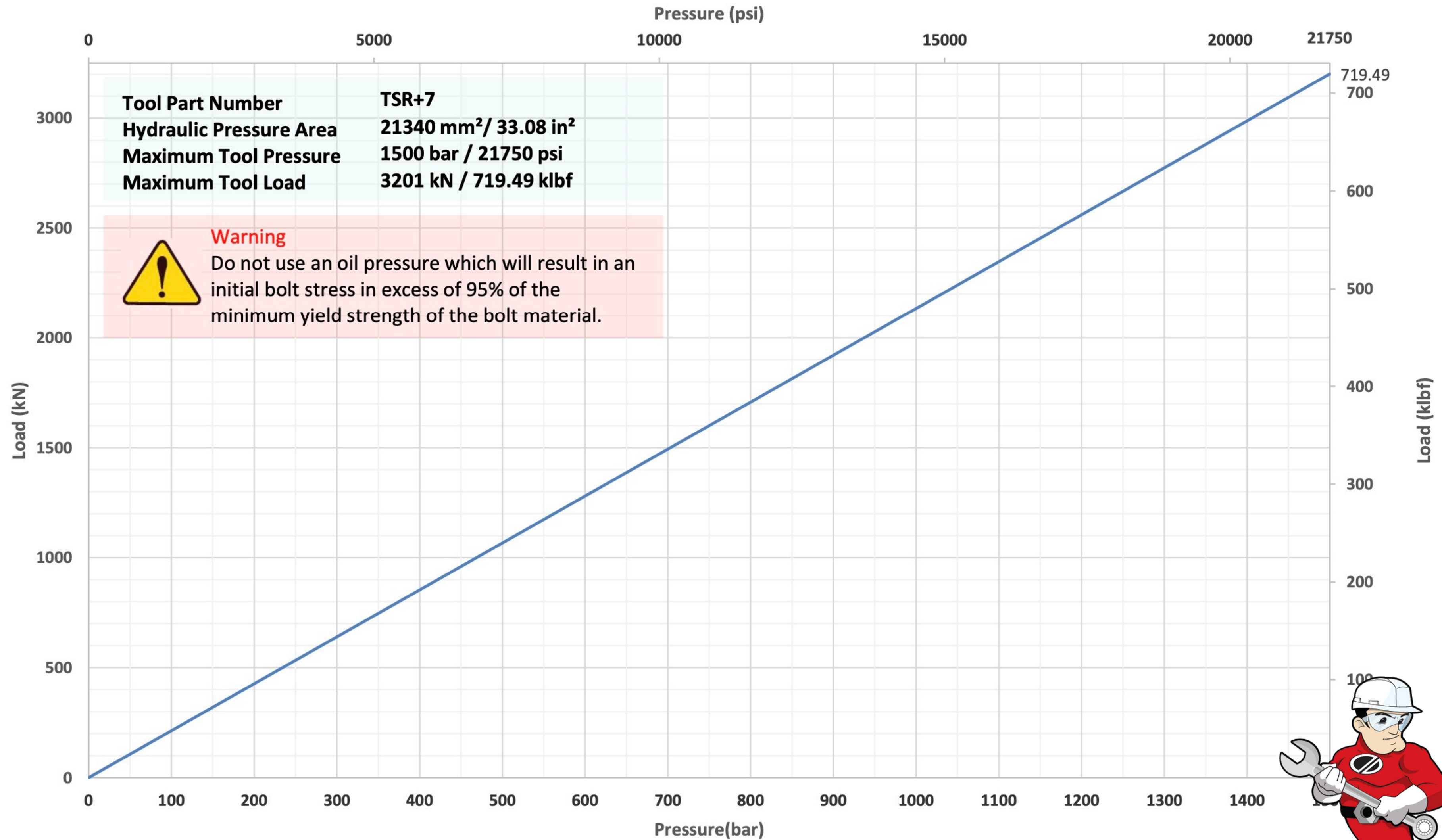


<b>Tool Part Number</b>	<b>TSR+6</b>
<b>Hydraulic Pressure Area</b>	<b>16670 mm<sup>2</sup> / 25.84 in<sup>2</sup></b>
<b>Maximum Tool Pressure</b>	<b>1500 bar / 21750 psi</b>
<b>Maximum Tool Load</b>	<b>2500.5 kN / 562.02 klbf</b>





# Tensioner Load / Pressure Graph



**Tool Part Number** TSR+7  
**Hydraulic Pressure Area** 21340 mm<sup>2</sup>/ 33.08 in<sup>2</sup>  
**Maximum Tool Pressure** 1500 bar / 21750 psi  
**Maximum Tool Load** 3201 kN / 719.49 klbf



**Warning**  
Do not use an oil pressure which will result in an initial bolt stress in excess of 95% of the minimum yield strength of the bolt material.



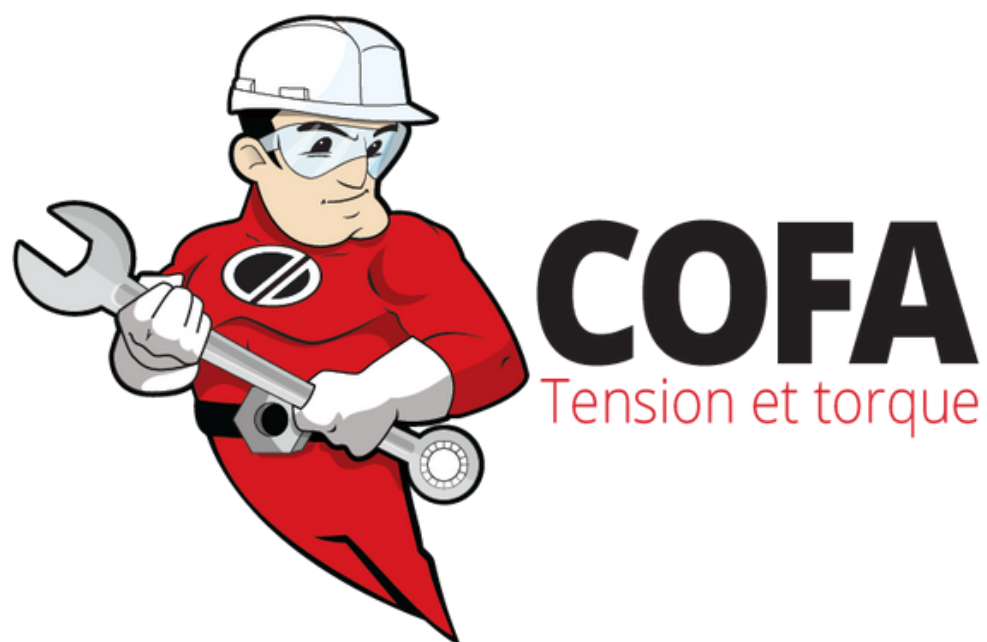
**COFA**  
Tension et torque



# TENDEURS HYDRAULIQUES (TENSIONERS) HYTORC

TENDEURS HYDRAULIQUES (TENSIONERS) & ACCESSOIRES

**Merci!**



**Pour toutes questions ou  
informations contactez-nous:  
1-844-266-2632**

