

## ● 扭力限制器調整 / Adjusting Torque Limiter

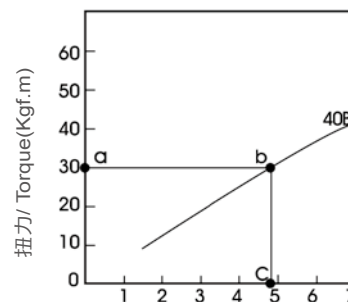
使用扭力是指負荷超過此扭力時，入力側和出力側的傳達被脫離，STF、STC兩種機種具有調整扭力的機能，只要轉動兩機種的鎖緊螺帽就能簡單調整，但是無法表示出調整後的扭力值，所以請參考下圖可以推算出使用扭力，如果需要更正確的數值請使用扭力測定器等測定。  
Torque limiting disengages power input side and power output side when overload is greater than the applied torque. Both STF and STC provide the feature of torque adjustment by merely tightening or loosening the adjusting bolt on them. As to the applied torque value, please refer to the below charts. If you require the accurate torque value, please use the torque meter to obtain the torque measure.

## ● 扭力值調整使用例 / Torque Adjustment Guide

使用扭力和扭力彈簧調整量的關係，依據機種逐一表示。例如，需求使用扭力為30Kgf.m，選定本公司的扭力限制器ST8F-40B，於圖A求出扭力彈簧的鎖緊螺帽調整量。T=30Kgf.m.(點a)將點a水平延伸到ST8F-40B的曲線交點，作為點b。從點b再垂直往下求出點C，得到y=4.9mm(點c)，鎖緊螺帽的螺紋節距從STF型特性表可求出，所以扭力彈簧的鎖緊調整量Y除以螺紋節距P，可以求出鎖緊螺帽的調整迴轉量，換言之螺紋節距P=2mm時，鎖緊螺帽的調整迴轉量是從扭力彈簧變形量為零時位置開始大約轉2.4轉。

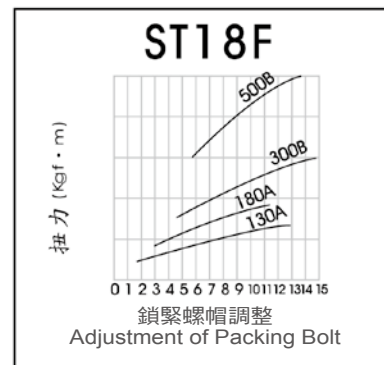
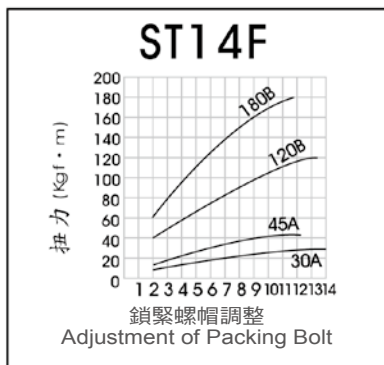
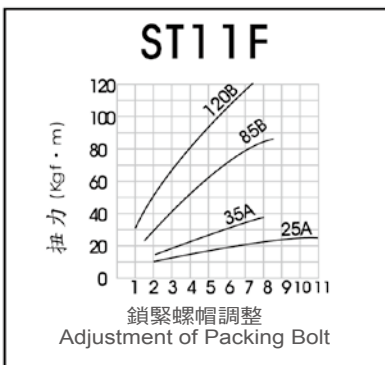
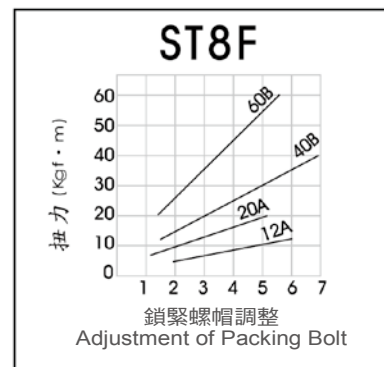
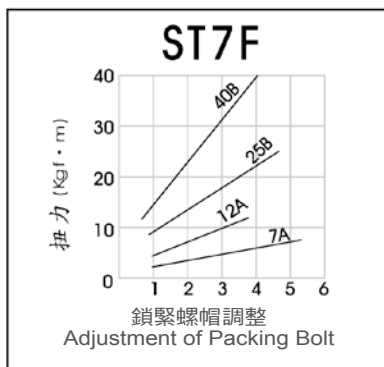
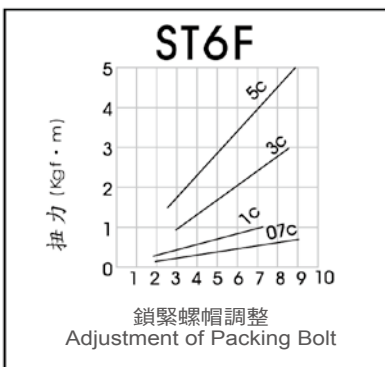
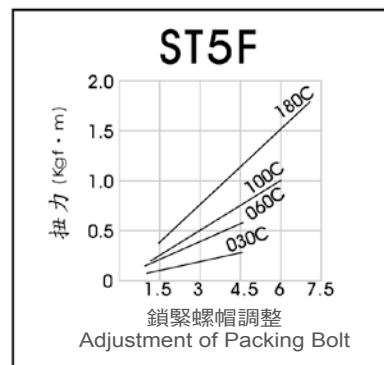
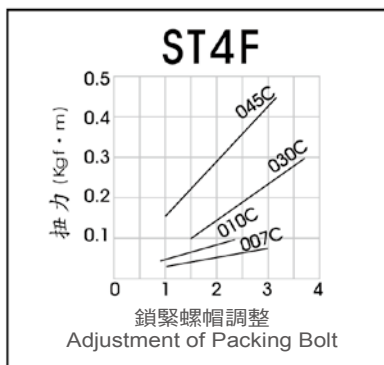
The relation between applied torque and torque spring adjustment of each model is presented respectively below. The required torque is 30 kgf.m, and the selected torque limiter is ST8F-40B. please see figure A, finding out the adjustment of packing bolt of torque spring. Torque = 30kgf.m (point a); parallel line from point a intersects with the curve line of ST8F-40B at point b; then vertical line from point b intersects with parallel axis at point c, y=4.9mm (point c), the thread pitch of packing bolt can be derived from the specification of STF type. Thus, Dividing Y, tightening adjustment of torque spring by P, thread pitch can get the rotational adjustment of packing bolt. In other words, if the thread pitch P is equal to 2mm, the rotational adjustment of packing bolt is that rotate the bolt 2.4 screw when the load on torque spring is zero.

ST8F-40B

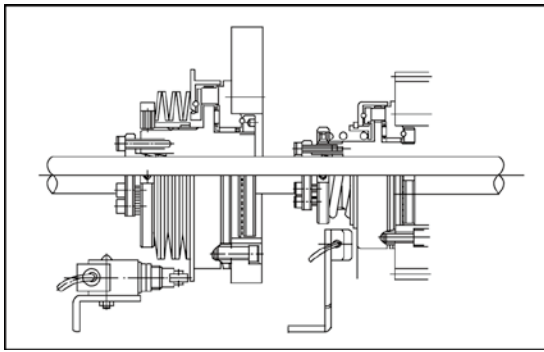


## ■ STF 型 / STF series

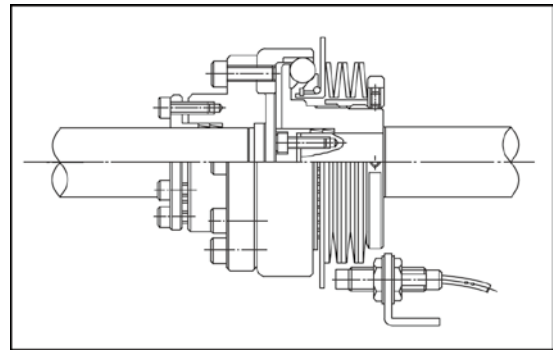
### 扭力值與鎖緊螺帽調整關係 Guide for Torque and Packing Bolt



# 扭力限制器應用例 / Application for Torque Limiter



STF 安裝範例  
Installation for STF series



STC 安裝範例  
Installation for STC series

## STC 型 / STC series

扭力值與鎖緊螺帽調整關係  
Guide for Torque and Packing Bolt

