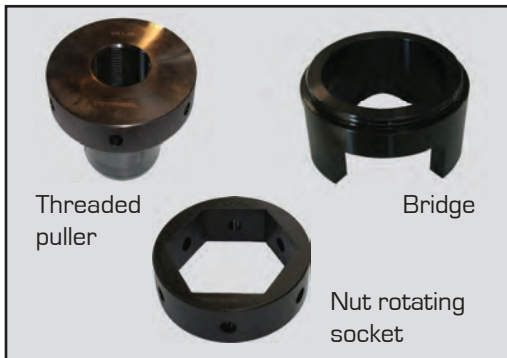


## STS - BOLT TENSIONER COMPONENTS - METRIC



Cost saving option

Easily fitted to existing tensioner assembly

Offers greater versatility

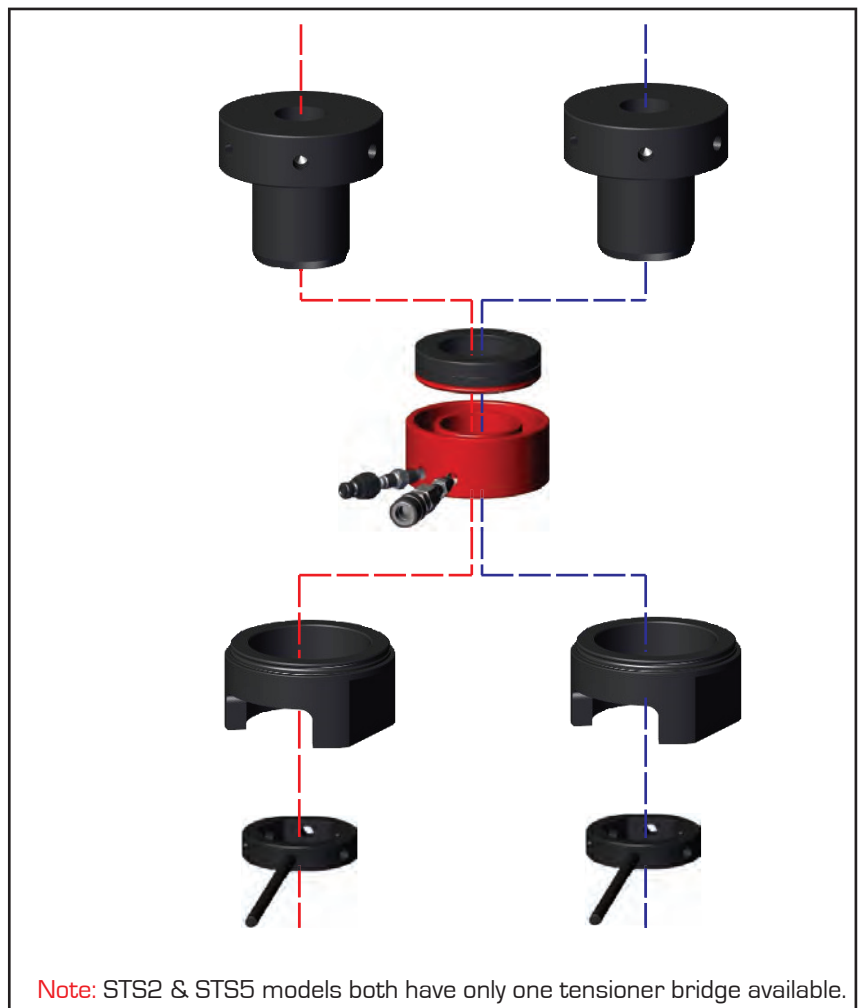
Similar to the imperial tensioner components (pages 104 & 105), the Hi-Force metric topside hydraulic bolt tensioners are also modular in design and can be adapted to another thread size, within the tensioner range, by purchasing individual components or a simple conversion kit. By changing the required components (see drawing and table on the next page), Hi-Force STS bolt tensioners offer the user even greater versatility at an economical cost.

Tensioner models STS1, STS3, STS4 & STS6 are available with two different bridge sizes, hence always check whether or not the required thread change is possible within the bridge size (please follow coloured lines in below drawing). Make sure that all components match up. **DO NOT** mix components from different colour lines. A large bridge will require the usage of a long threaded puller to ensure sufficient thread engagement, as well as a large size nut rotating socket.

G

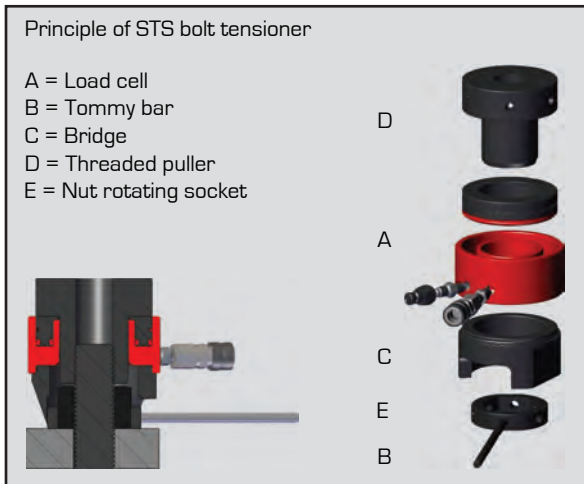
Changes within the same colour code **DO NOT** require a bridge change however, changes from the red to blue line (or vice versa) **MUST** include a relative bridge also.

The next page will provide part numbers for all the tensioner components, for which the same colour coding is used, i.e. red represents the smaller bolt sizes within the tensioner range, comprising of short threaded adaptor, load cell, small bridge, small nut rotating socket and tommy bar. The blue line represents the larger bolt sizes within the tensioner range, in which case the tensioner is built from the long threaded adaptor, load cell, large bridge, large nut rotating socket and tommy bar.



Don't forget to order your tommy bars when purchasing Hi-Force Bolt tensioners, Hi-Force recommends the purchase of one tommy bar for every four tensioners.

## STS - BOLT TENSIONER COMPONENTS - METRIC



This table provides all the information to select the components to modify your existing tensioner to suit another bolt size. Changes are only possible within the same tensioner size. It is essential that all the components or selected conversion kits have the same suffix as the target tensioner size (i.e.B1, B2 or B3).

**Examples:**

To change from STS3-M42B1 to STS3-M48B1 would require conversion kit CK3-M48B1 only.

To change from STS3-M48B1 to STS3-M52B2 would require conversion kit CK3-M52B2 and bridge STS3-B2.

- Denotes smaller bridge size within tensioner range
- Denotes larger bridge size within tensioner range
- Denotes one bridge size within tensioner range

Complete tensioner Bolt Model number Thread	Individual components					D & E Complete conversion kit
	A Load cell	B Tommy bar	C Bridge	Available as conversion kit D - Threaded puller E - Rotating socket		
<b>For tensioner range STS1:</b>						
STS1-M16B1 M16	STS1-LC	TTB06	STS1-B1	TP1-M16B1	RS1-24B1	CK1-M16B1
STS1-M18B1 M18				TP1-M18B1	RS1-27B1	CK1-M18B1
STS1-M20B1 M20				TP1-M20B1	RS1-30B1	CK1-M20B1
STS1-M22B2 M22			STS1-B2	TP1-M22B2	RS1-32B2	CK1-M22B2
STS1-M24B2 M24				TP1-M24B2	RS1-37B2	CK1-M24B2
STS1-M27B2 M27				TP1-M27B2	RS1-41B2	CK1-M27B2
<b>For tensioner range STS2:</b>						
STS2-M30B1 M30	STS2-LC	TTB08	STS2-B1	TP2-M30B1	RS2-46B1	CK2-M30B1
STS2-M33B1 M33				TP2-M33B1	RS2-51B1	CK2-M33B1
STS2-M36B1 M36				TP2-M36B1	RS2-56B1	CK2-M36B1
STS2-M39B1 M39				TP2-M39B1	RS2-60B1	CK2-M39B1
<b>For tensioner range STS3:</b>						
STS3-M42B1 M42	STS3-LC	TTB10	STS3-B1	TP3-M42B1	RS3-65B1	CK3-M42B1
STS3-M45B1 M45				TP3-M45B1	RS3-70B1	CK3-M45B1
STS3-M48B1 M48				TP3-M48B1	RS3-75B1	CK3-M48B1
STS3-M45B2 M45			STS3-B2	TP3-M45B2	RS3-70B2	CK3-M45B2
STS3-M48B2 M48				TP3-M48B2	RS3-75B2	CK3-M48B2
STS3-M52B2 M52				TP3-M52B2	RS3-80B2	CK3-M52B2
<b>For tensioner range STS4:</b>						
STS4-M48B1 M48	STS4-LC	TTB10	STS4-B1	TP4-M48B1	RS4-75B1	CK4-M48B1
STS4-M52B1 M52				TP4-M52B1	RS4-80B1	CK4-M52B1
STS4-M52B2 M52				TP4-M52B2	RS4-80B2	CK4-M52B2
STS4-M56B2 M56			STS4-B2	TP4-M56B2	RS4-85B2	CK4-M56B2
STS4-M60B2 M60				TP4-M60B2	RS4-90B2	CK4-M60B2
STS4-M64B2 M64				TP4-M64B2	RS4-95B2	CK4-M64B2
<b>For tensioner range STS5:</b>						
STS5-M64B1 M64	STS5-LC	TTB14	STS5-B1	TP5-M64B1	RS5-95B1	CK5-M64B1
STS5-M68B1 M68				TP5-M68B1	RS5-100B1	CK5-M68B1
STS5-M72B1 M72				TP5-M72B1	RS5-105B1	CK5-M72B1
STS5-M76B1 M76				TP5-M76B1	RS5-110B1	CK5-M76B1
<b>For tensioner range STS6:</b>						
STS6-M76B1 M76	STS6-LC	TTB14	STS6-B1	TP6-M76B1	RS6-110B1	CK6-M76B1
STS6-M80B1 M80				TP6-M80B1	RS6-115B1	CK6-M80B1
STS6-M85B1 M85				TP6-M85B1	RS6-120B1	CK6-M85B1
STS6-M90B1 M90			STS6-B3	TP6-M90B1	RS6-130B1	CK6-M90B1
STS6-M95B3 M95				TP6-M95B3	RS6-135B3	CK6-M95B3
STS6-M100B3 M100				TP6-M100B3	RS6-146B3	CK6-M100B3

**Note:** Remember to check bridge compatibility for STS1, STS3, STS4 and STS6 models when ordering components.