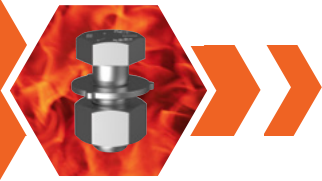




**STRUCTURAL**



# STRUCTURAL



AS/NZS 1252: 2016 K0 8.8 HR

# KO Structural Assembly

## Setting the standard in structural bolting



PRODUCT

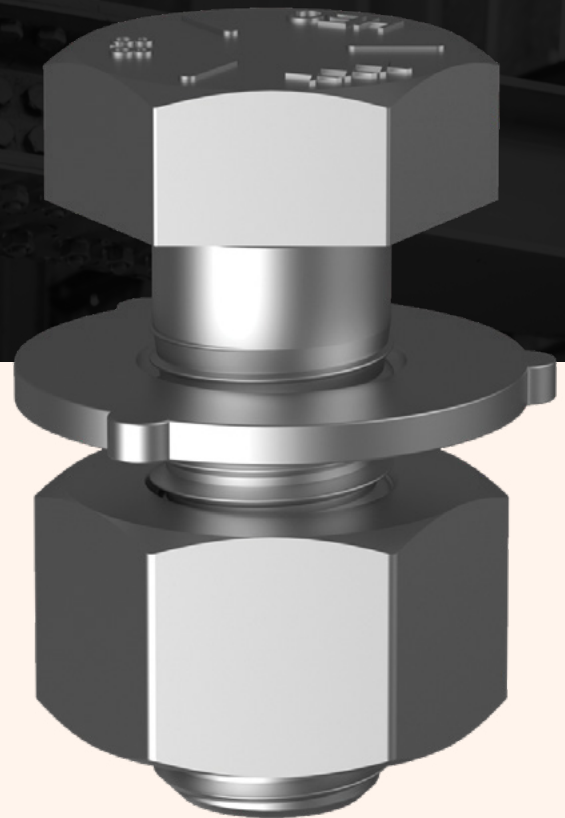


LABEL




DOCUMENTATION

**K0 RANGE COMPLIES WITH AS/NZS 1252**




**K0 STRUCTURAL ASSEMBLY**



**KBHK0GCM**

HDG  
AS1252:2016 K0  
CLASS 8.8


**K0 STRUCTURAL WASHER**



**WRK0GM**

HDG  
AS1252:2016 K0  
35-41 HRC

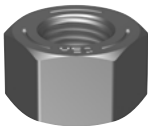
**K0 STRUCTURAL WASHER**



**WRK0PM**

PLN  
AS1252:2016 K0  
35-41 HRC

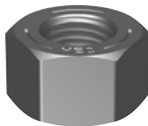
**K0 STRUCTURAL NUT**



**NHK0GCM**

HDG  
AS1252:2016 K0  
CLASS 8

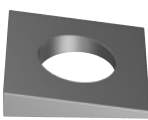
**K0 STRUCTURAL NUT**



**NHK0PCM**

PLN  
AS1252:2016 K0  
CLASS 8

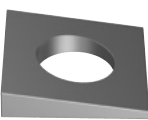
**K0 TAPER WASHER 8° SQUARE**



**WTK0GM**

HDG  
AS1252:2016 K0  
33-41 HRC

**K0 TAPER WASHER 8° SQUARE**



**WTK0PM**

PLN  
AS1252:2016 K0  
33-41 HRC



Unique 3-character trace code on the bolt head.

**FULL TRACEABILITY**

AL3 

**hobson.com.au**



EN 14399-3 K2 8.8 HR

**K2**

# Structural Assembly

Setting the standard in structural bolting



PRODUCT

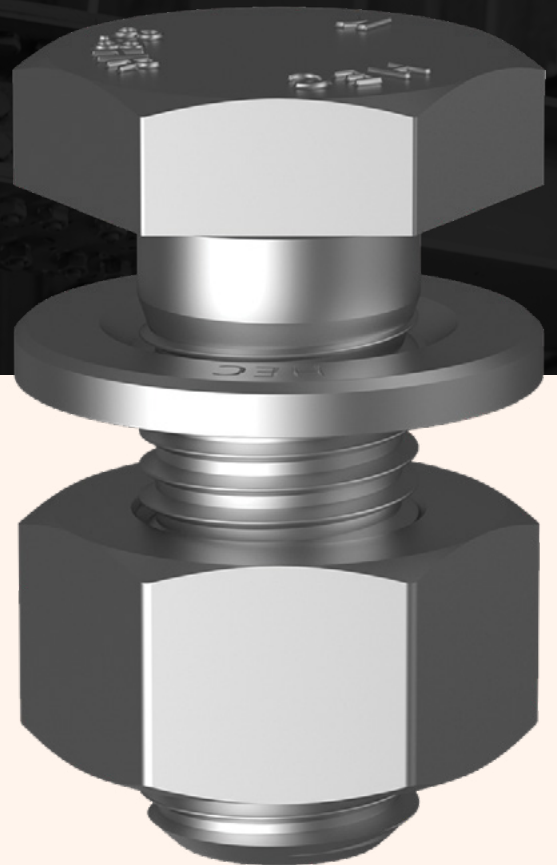


LABEL



DOCUMENTATION

**K2 RANGE COMPLIES WITH EN 14399**



**K2  
STRUCTURAL  
ASSEMBLY**



**KBHK2GCM**

HDG  
EN14399-3 K2  
CLASS 8.8

**NEW K2  
STRUCTURAL  
ASSEMBLY**



**KBHK9GCM**

HDG  
EN14399-3 K2  
CLASS 10.9

**NEW K2  
STRUCTURAL  
ASSEMBLY**



**KBHK9PCM**

PLN  
EN14399-3 K2  
CLASS 10.9

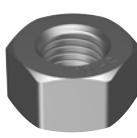
**K2  
STRUCTURAL  
WASHER**



**WRK2GM**

HDG  
EN14399-5 K2  
32-45 HRC

**NEW K2  
STRUCTURAL  
NUT**



**NHK9GCM**

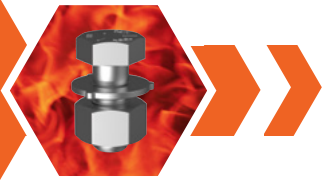
HDG  
EN14399 K2  
CLASS 10



Unique 3-character trace code on the bolt head.







**STRUCTURAL**



ASTM A325M TYPE 3 8.8

# Structural Assembly

For enhanced weather resistance



**NEW  
STRUCTURAL  
ASSEMBLY**



**KBH83WCM**  
WSTL  
ASTM A325M-3  
CLASS 8.8



Unique 3-character trace code on the bolt head.

**FULL TRACEABILITY**

AN7 

[hobson.com.au](http://hobson.com.au)

## Weathering Steel

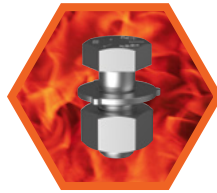





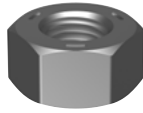
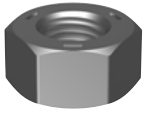
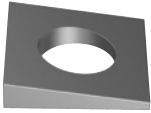
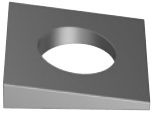



**NEW**



**5+  
years**

**PATINA** forms and matures on the top layer when subjected to alternating wet and dry conditions.



STRUCTURAL ASSEMBLY	STRUCTURAL WASHER	STRUCTURAL WASHER	STRUCTURAL HEX NUT	STRUCTURAL HEX NUT	TAPER WASHER 8° SQUARE	<b>KEY</b>  <b>PLN</b> PLAIN  <b>Z/P</b> ZINC PLATED (RoHS COMPLIANT)  <b>ZYP</b> ZINC YELLOW PASSIVATE  <b>HDG</b> HOT DIP GALVANISED  <b>MGAL</b> MECHANICAL GALVANISED  <b>ZFS</b> ZINC FLAKE SILVER  <b>WSTL</b> WEATHERING STEEL
						
<b>KBHSTGCM</b>	<b>WRSTGM</b>	<b>WRSTPM</b>	<b>NHSTGCM</b>	<b>NHSTPCM</b>	<b>WTSTGM</b>	
HDG AS1252:1983 CLASS 8.8	HDG AS1252:1983 26-45 HRC	PLN AS1252:1983 35-45 HRC	HDG AS1252:1983 CLASS 8	PLN AS1252:1983 CLASS 8	HDG AS1252:1983 26-45 HRC	
<b>TAPER WASHER 8° SQUARE</b>	<b>STRUCTURAL BOLT BLANK</b>	<b>FEELER GAUGE</b>	<b>STICK WAX LUBRICANT</b>			
						
<b>WTSTPM</b>	<b>BHSTPBM</b>	<b>XGF013</b>	<b>XXWSC</b>			
PLN AS1252:1983 35-45 HRC	PLN AS1252:1983 CLASS 8.8	301 STAINLESS 0.13MM	CARTRIDGE 425G FOR BOLTS / NUTS			

## Accreditation, Certification and Memberships



CERTIFICATION



ACCREDITATION



MEMBERSHIP



MEMBERSHIP - Founding Member



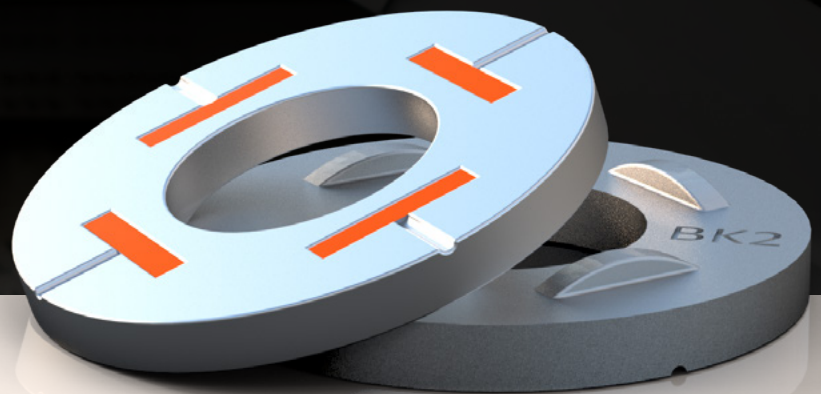
ASTM F959 DIRECT TENSION INDICATOR

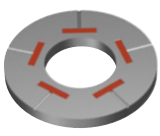
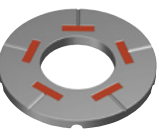
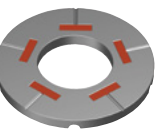
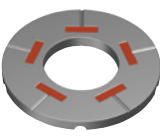
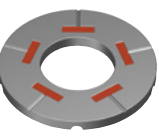

# DTI Washers

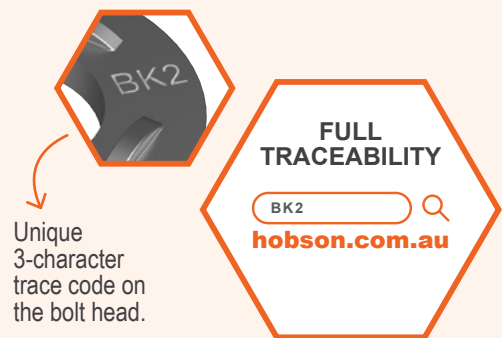
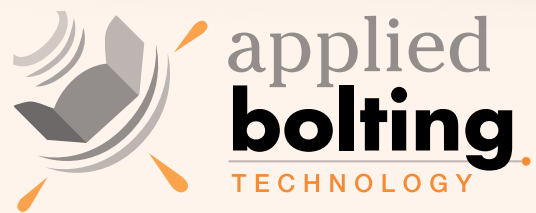
Make bolting simple



Visual confirmation of the bolt tension.



<p><b>NEW METRIC DURASQUIRT® DTI WASHER</b></p>  <p><b>WDSTDGM</b></p> <p>MGAL ASTM F959M CLASS 8.8</p>	<p><b>METRIC SQUIRTER DTI WASHER</b></p>  <p><b>WDSTGM</b></p> <p>MGAL ASTM F959M CLASS 8.8</p>	<p><b>METRIC SQUIRTER DTI WASHER</b></p>  <p><b>WD10MM</b></p> <p>MGAL ASTM F959M CLASS 10.9</p>
<p><b>METRIC SQUIRTER DTI WASHER</b></p>  <p><b>WD10PM</b></p> <p>PLN ASTM F959M CLASS 10.9</p>	<p><b>SQUIRTER DTI WASHER</b></p>  <p><b>WDSTG</b></p> <p>MGAL ASTM F959 GRADE 5</p>	<p><b>METRIC LOAD INDICATOR WASHER</b></p>  <p><b>WISTGM</b></p> <p>MGAL ASTM F959M CLASS 8.8</p>



Unique 3-character trace code on the bolt head.

FULL TRACEABILITY

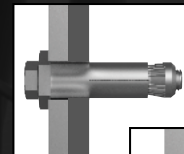
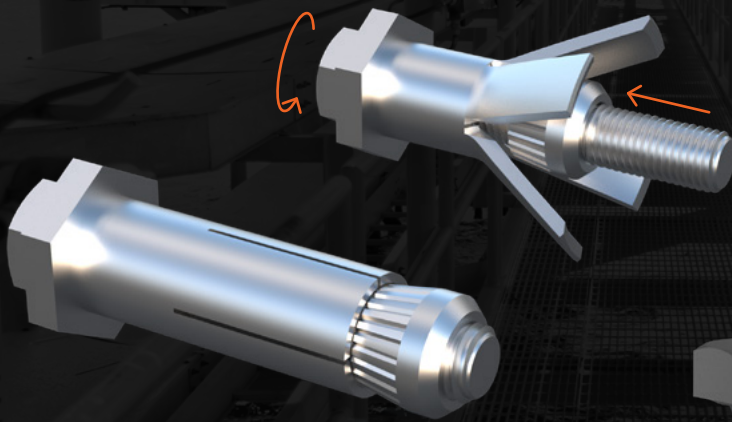
BK2    
[hobson.com.au](http://hobson.com.au)



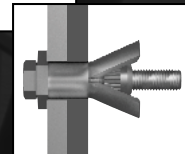
CLASS 8.8 - BLIND & HOLLOW STEEL CONNECTIONS

# HBS-BOLT®

One-sided installation



Blind & hollow installation



**NEW HEX HBS-BOLT®**



**KBB88GHM**

HDG  
CLASS 8.8

**NEW CSK HBS-BOLT®**



**KBB88GKM**

HDG  
CLASS 8.8



3-PART ASSEMBLY

M8 | M10 | M12



5-PART ASSEMBLY

M16 | M20

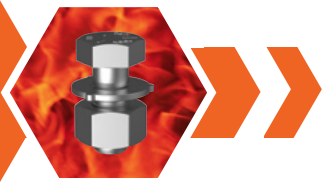


**HOBSON**  
Trace: 719040374  
LOT: HEC209-0004  
PO: 77218 NS2  
TN WGT: 3.18kg

FULL TRACEABILITY

719040374   
[hobson.com.au](http://hobson.com.au)





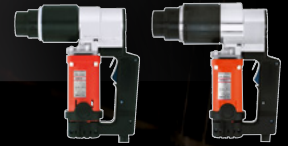
# STRUCTURAL



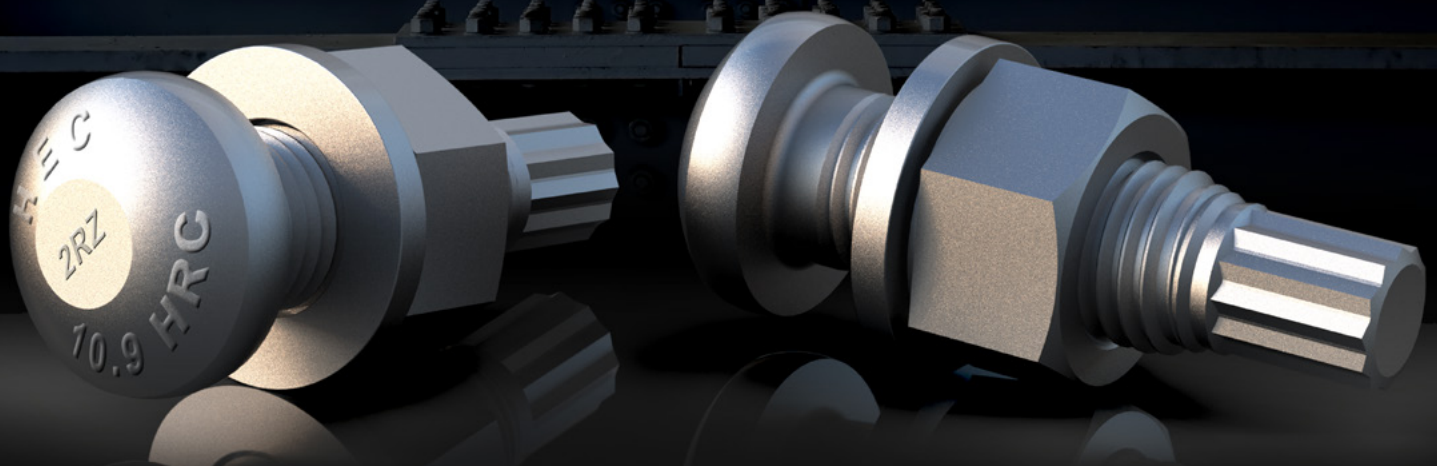
EN 14399-10 10.9 K0 HRC

# TCBOLT


Safe, easy and accurate



Use with  
**TONE® TCBOLT**  
Shear Wrenches

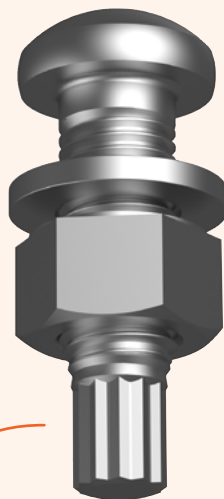


**NEW K0  
TCBOLT**



**KBCT9GCM**

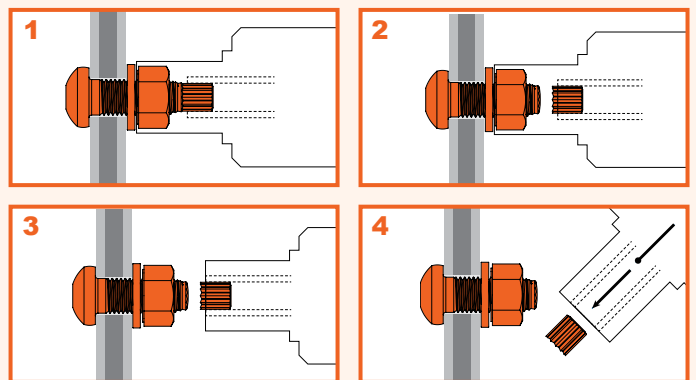
HDG  
EN14399-10:2018  
CLASS 10.9



### The Spline

TCBOLTS are installed with  
**TONE® TCBOLT Shear  
Wrenches**

When the correct pre-load is reached, the outer socket stops rotating. The inner socket then counter-rotates and shears the spline off before the wrench safely ejects the spline. The bolt is now properly installed with the correct tension.



Unique  
3-character  
trace code on  
the bolt head

**FULL  
TRACEABILITY**

2RZ   
**hobson.com.au**






# TONE®



Japanese Engineering

**NEW TONE TCBOLT SHEAR WRENCH**




**XT-GM-222EZ**

WITH M20 INN / OUT SOCKETS  
TORQUE RANGE M16-M22  
MAX TORQUE 735NM

**NEW TONE TCBOLT SHEAR WRENCH**




**XT-GH-242EZ**

WITH M24 INN / OUT SOCKETS  
TORQUE RANGE M16-M24  
MAX TORQUE 950NM

**NEW TONE ELECTRIC TORQUE WRENCH**




**XT-STC30TE**

TORQUE RANGE 1000NM ~ 3000NM  
MAX TORQUE 3000NM

**TONE TORQUE WRENCH**




**XT-STC12TE**

REACTION ARM  
1 INCH SQ TORQUE  
RANGE 500-1200NM

**NEW TCBOLT GM INNER SOCKET**




**XT-GM-SI**

BLACK  
GM SERIES  
M16-M22

**NEW TCBOLT GM OUTER SOCKET**




**XT-GM-SO**

BLACK  
GM SERIES  
M16-M22

**NEW TCBOLT GH INNER SOCKET**




**XT-GH-SI**

BLACK  
GH SERIES  
M16-M24

**NEW TCBOLT GH OUTER SOCKET**




**XT-GH-SO**

BLACK  
GH SERIES  
M16-M24

**NEW TONE ELECTRIC TORQUE WRENCH**




**XT-STC50TE**

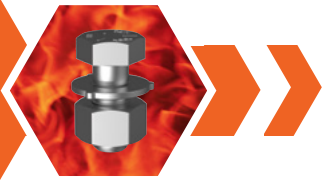
TORQUE RANGE 2000NM ~ 5000NM  
MAX TORQUE 5000NM

**TONE TORQUE WRENCH**




**XT-STC7TE**

REACTION ARM  
1 INCH SQ TORQUE  
RANGE 350-700NM



# Structural Bolting

Tension methods

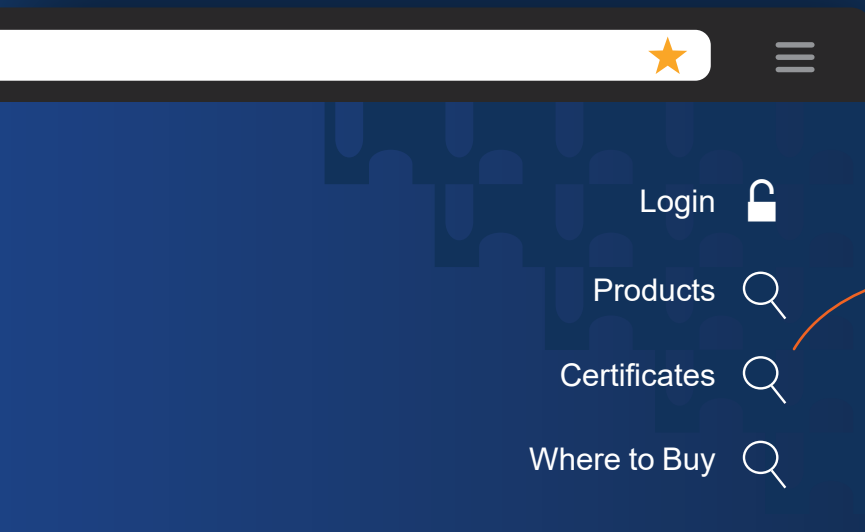
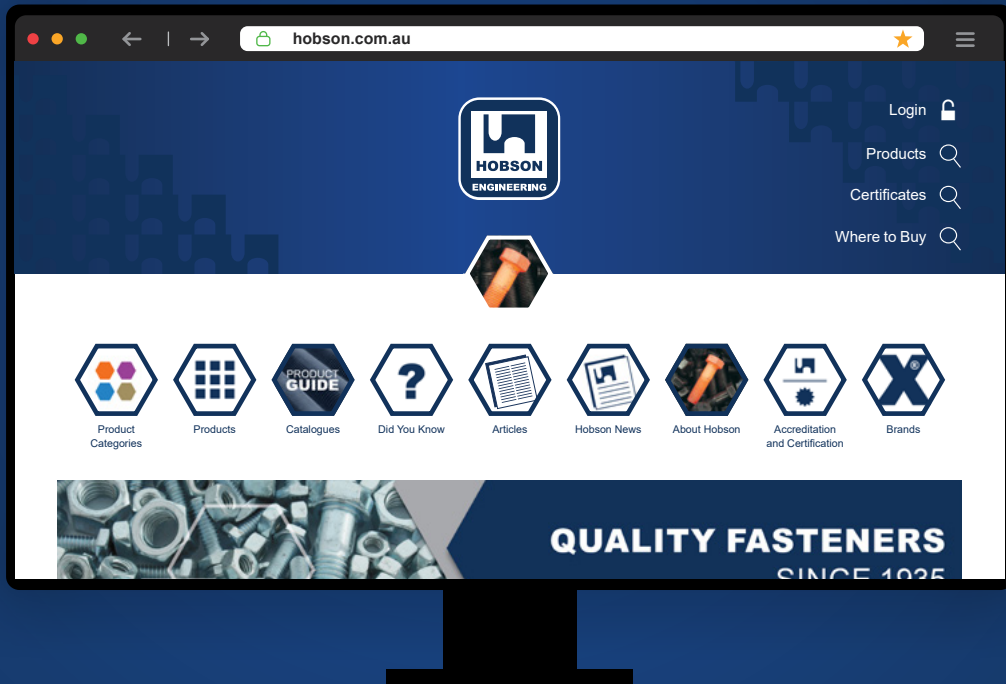


	PART-TURN METHOD	SQUIRTER DTI METHOD	TCBOLT METHOD
TENSION INDICATION (INSPECTION)	ROTATION OF NUT RELATIVE TO BOLT	COMPRESSION OF BUMPS, SQUIRT MEDIUM	SPLINE END SHEARED OFF
INSTALLATION TIME	⌚ ⌚ ⌚ ⌚	≡ ⌚ ⌚	≡ ⌚
INSTALLERS NEEDED	👤 👤	👤 👤	👤
ENSURES MINIMUM TENSION	✘	✔	✔

Experience has shown that on medium to large projects the extra cost of DTI washers and TCBOLTS methods is offset by major savings in installation, supervision, and inspection of high-strength joints.



## Quality Assurance **Documentation** Online



Go to **hobson.com.au** and click on **Certificates** to find the relevant documentation.

Type the unique 3-character Trace Code on the bolt head, or the Trace Number on the label.

