

DTI SmartBolts

Features

- Easy to use – visual indication – no contact with the fastener required
- Measures tension, a more accurate measure of "tightness" than torque
- Accurate to +/- 10% of design tension
- Reusable
- No special tools or training required
- Long service life
- Design Tension customizable in design phase

Applications

- Mining, Oil & Gas
- Electrical
- Transportation & Rail
- Military & Aviation
- Structural
- Machining fixtures
- Nuclear
- Heavy Equipment

HexHead Capscrew DTI SmartBolts Characteristics*

Size Ranges	7/16" (M10) to 1 1/4" (M32)
Available Grades	Grade 5, Grade 8, Class 8.8, Class 10.9 – for others contact us
Available Finishes	Clear zinc, black oxide, yellow zinc, for others contact us
Threading	Partial or full
Grip lengths	Minimums apply to fully threaded bolts, contact us
Design tension range	40-90% of Proof Load
Accuracy	+/- 10% of design tension
Operating temperature range	-20 degrees C to 75 degrees C / -4 degrees F to 167 degrees F
Strength reduction as a result of modification:	Generally only in smaller and fully threaded bolts. Contact us for more information about your application.



LOOSE 25% 50% 75% TIGHT OVER

DTI SmartBolts®

DTI SmartBolt

Design Tension

0%



DTI SmartBolt

Design Tension

50%



DTI SmartBolt

Design Tension

100%

