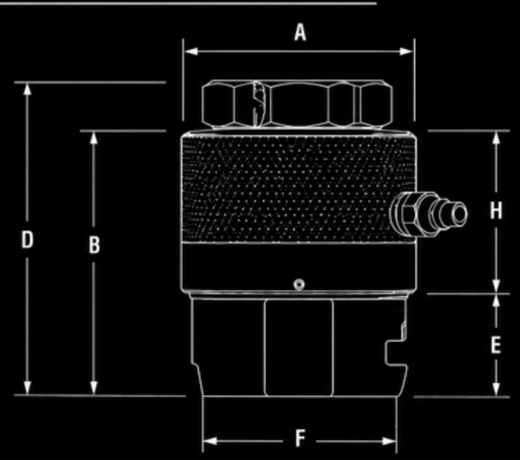
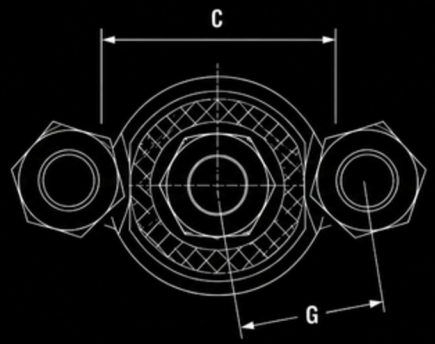
BT410-10 BOLT TENSIONER DATA-SHEET

HYDRA-CAPSULE

TECHNICAL DIMENSIONS

BOLT TENSIONER – HYDRA-CAPSULE

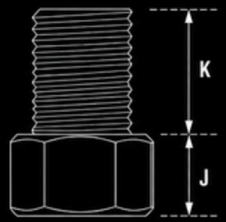




NOTE 1: "D" DIMENSION INCLUDES AN ALLOWANCE FOR TOOL REMOVAL AFTER BOLT TIGHTENING WITH 10 mm TOOL STROKE.

NOTE 2: RATED CAPACITY AT 1500 BAR WORKING PRESSURE.

NOTE 3: DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



ALL DIMENSIONS ARE IN MILLIMETRES (mm)

KEY	DESCRIPTION
A	LOAD CELL DIAMETER
B	CELL & BRIDGE HEIGHT
C	ACROSS FLATS
D	TOOL ACCESS HEIGHT
E	STOOL HEIGHT
F	BRIDGE DIAMETER
G	BOLT CENTRES
H	LOAD CELL HEIGHT
J	NUT HEIGHT
K	BOLT PROTRUSION (1 X DIAMETER)

SPECIFICATIONS

Model: BT410-10

Maximum Capacity (kNs)	**4100 kNs**
Maximum Stroke (mm)	**10 mm**
Maximum Pressure (Bar)	**1500 Bar (21,750 Psi)**
Fluid Requirement (Lts.)	**2.74 Litres**
Tensioner Weight (approx.)	**45.0 Kgs**
Type / Model	**Bolt Tensioner (BT)**
Hydraulics	**Single-Acting / Spring-Return**
Effective Area (mm2)	**27,340 mm2**
Bolt Thread Size (Puller)	**M105 - M115 (Imperial Available)**

KEY DIMENSIONS

Overall Insert/Remove Tool (D)	**378 - 394 mm**
Tensioner (Load Cell) Diameter (A)	**282 mm**
Bridge Diameter (F)	**228 - 234 mm**
Protrusion Above Nut (K) - Bolt Determined	**105 - 115 mm (min.)**

KEY FEATURES

- Single-Acting with Spring-Return Action
- High-Grade Alloy Steel Construction
- Nitrocarburized Piston for Longevity
- Self-Energizing Seals
- Dual Quick-Connect Couplers
- Interchangeable Accessories

APPLICATIONS

- Pre-stressing & Techno-Tensioner
- Flange Bolting & Connections
- Crane Base Grillages
- Pipeline & Subsea Bolting
- Structural Steel Connections
- Wind Turbine Foundation Bolting

ACCESSORIES

Hydraulic Pumps & Gauges

Load Cell Assembly

- Bolt Insert Thread Puller
- Load Cell
- Coupler
- Retaining Ring
- Jacking Stool