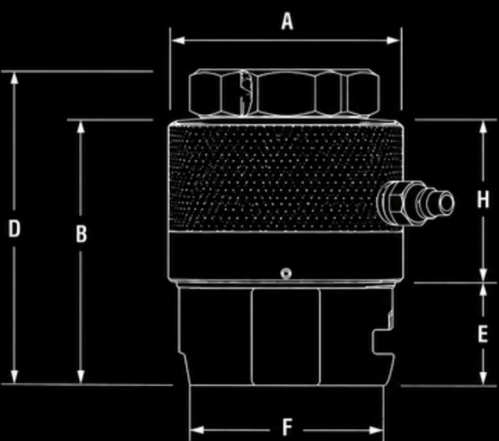


BT45-10 BOLT TENSIONER DATA-SHEET

TECHNICAL DIMENSIONS

BOLT TENSIONER – HYDRA-CAPSULE

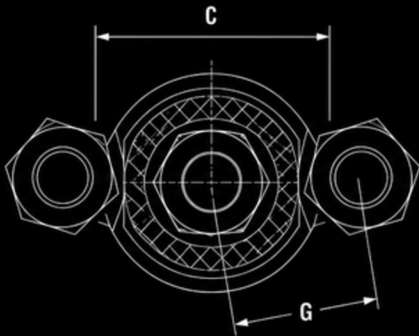
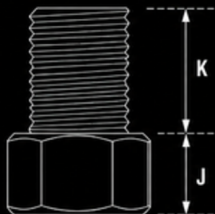


NOTE 1: "D" DIMENSION INCLUDES AN ALLOWANCE FOR TOOL REMOVAL AFTER BOLT TIGHTENING WITH 10 mm TOOL STROKE.

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)

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

HYDRA-CAPSULE

SPECIFICATIONS

Model: BT45-10

Maximum Capacity (kNs)	450 kNs
Maximum Stroke (mm)	10 mm
Maximum Pressure (Bar)	1500 Bar (21,750 Psi)
Fluid Requirement (Lts.)	0.30 Litres
Tensioner Weight (approx.)	4.1 kg
Type / Model	Bolt Tensioner (BT)
Hydraulics	Single-Acting / Spring-Return
Effective Area (mm ²)	3,001 mm ²
Bolt Thread Size (Puller)	M24 - M36 (Imperial Available)

KEY DIMENSIONS

Overall Insert/Removal for Tool (D)	175 - 195 mm
Tensioner (Load Cell) Diameter (A)	103 mm
Bridge Diameter (F)	60 - 76 mm
Protrusion Above Nut (K) - Bolt Determined	24 - 36 mm (min.)

ACCESSORIES



Hydraulic Pumps & Gauges



Load Cell Assembly



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