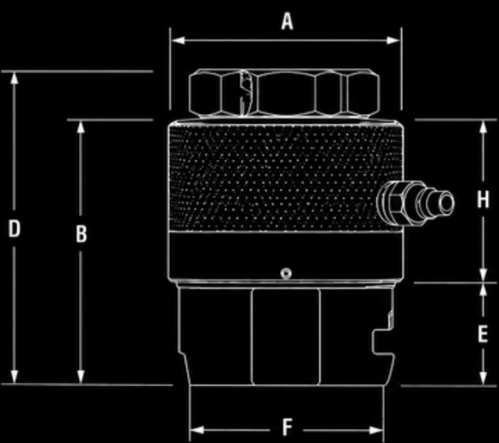


BT100-10 BOLT TENSIONER DATA-SHEET

TECHNICAL DIMENSIONS

BOLT TENSIONER – HYDRA-CAPSULE

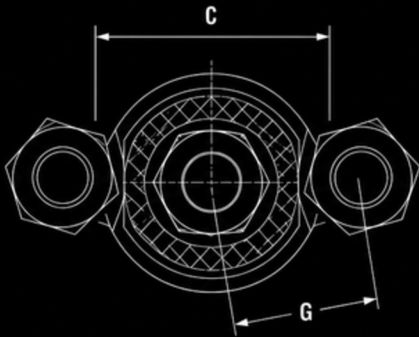
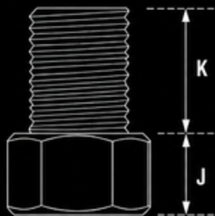


NOTE 1: "D" DIMENSION INCLUDES AN ALLOWANCE FOR TOOL REMOVAL AFTER BOLT TIGHTENING WITH 10 mm TOOL STROKE.

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



SPECIFICATIONS

Model: BT100-10

Maximum Capacity (kNs)	1000 kNs
Maximum Stroke (mm)	10 mm
Maximum Pressure (Bar)	1500 Bar (21,750 Psi)
Fluid Requirement (Lts.)	0.67 Litres
Tensioner Weight (approx.)	8.4 Kgs
Type / Model	Bolt Tensioner (BT)
Hydraulics	Single-Acting / Spring-Return
Effective Area (mm ²)	6,668 mm ²
Bolt Thread Size (Puller)	M39 - M48 (Imperial Available)

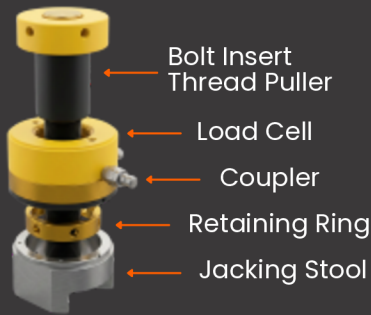
KEY DIMENSIONS

Overall Insert/Remove Tool (D)	212 - 231 mm
Tensioner (Load Cell) Diameter (A)	140.5 mm
Bridge Diameter (F)	84 - 104 mm
Protrusion Above Nut (K) - Bolt Determined	39 - 48 mm (min.)

ACCESSORIES



Hydraulic Pumps & Gauges



Load Cell Assembly

Bolt Insert Thread Puller

Load Cell

Coupler

Retaining Ring

Jacking Stool