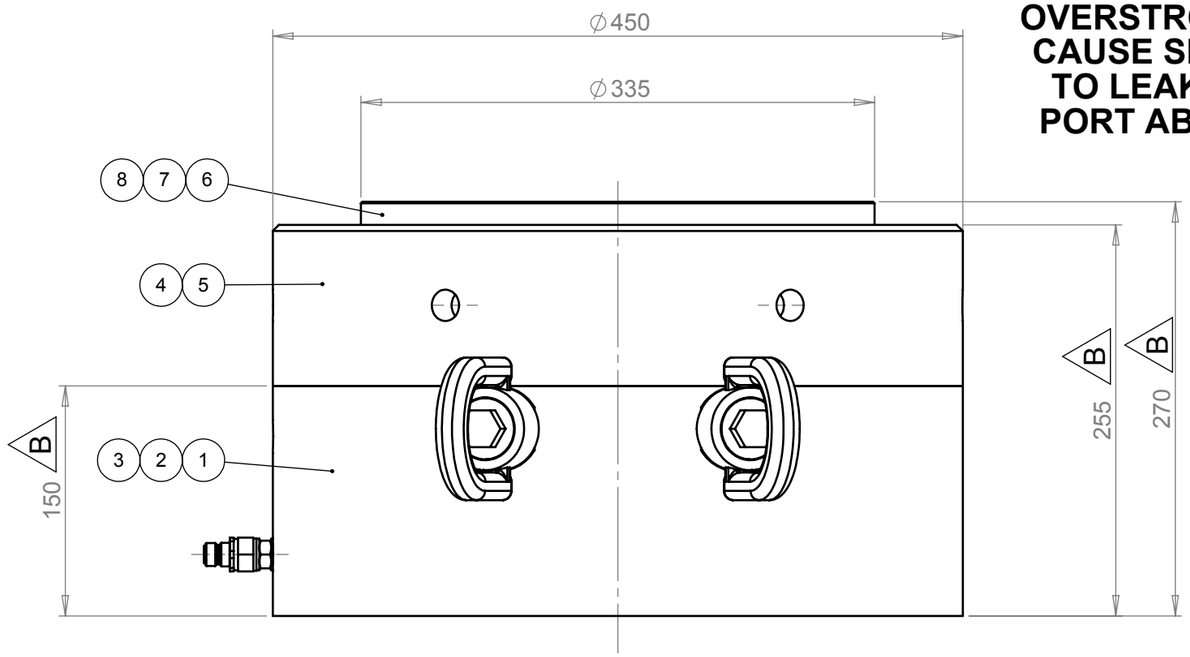
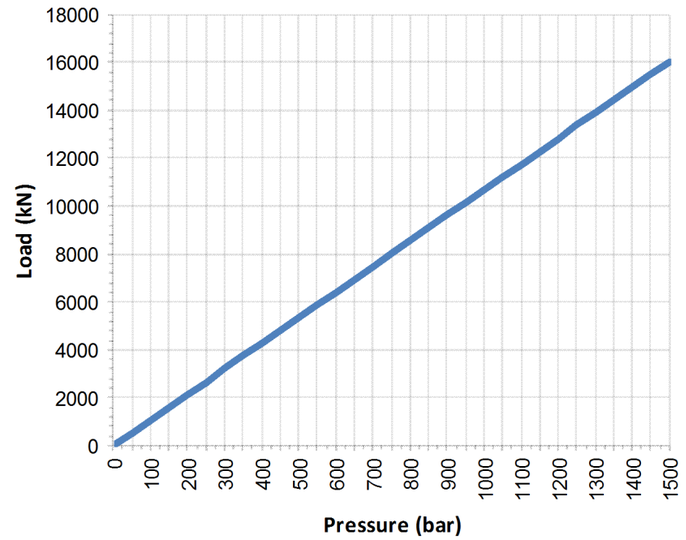


**** NOTE: ****
OVERSTROKING THE TOOL WILL CAUSE SEAL FAILURE AND OIL TO LEAK FROM THE 1/4" BSP PORT ABOVE THE HYDRAULIC NIPPLE.

Initial Bolt Load v Pump pressure



TECHNICAL DATA

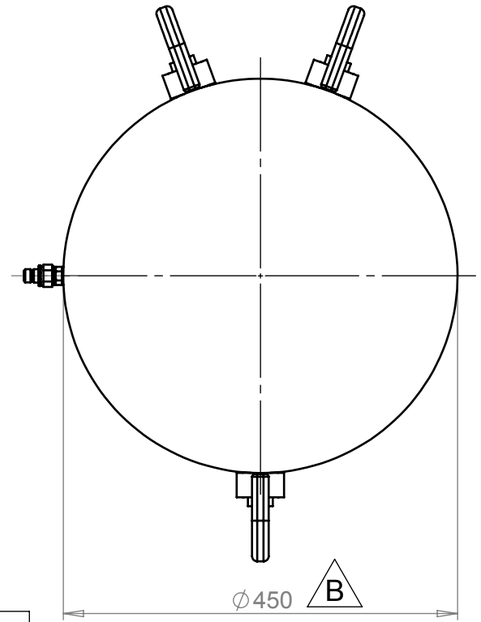
HYDRAULIC PRESSURE AREA =	106795.74 mm²
MAXIMUM LOAD CAPACITY =	16019.36 kN
MAXIMUM WORKING PRESSURE =	1500 bar
MAXIMUM PISTON MOVEMENT =	40 mm

PROPOSED TOOL FEATURES

HYDRAULIC TENSIONER IS FITTED WITH QUICK RELEASE HYDRAULIC CONNECTIONS, TO ENABLE QUICK AND SIMPLE HOSE CONNECTION.

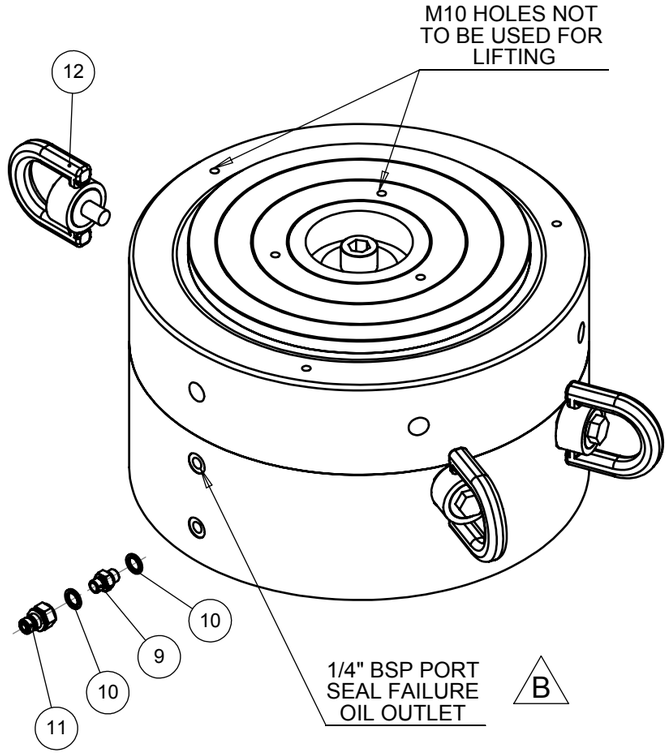
HYDRAULIC TENSIONER IS FITTED WITH HIGH QUALITY, SELF-ENERGISING SEALS. NO SEAL ADJUSTMENT IS NECESSARY.

HYDRAULIC TENSIONER IS COATED FOR ENHANCED CORROSION PROTECTION.



FOOTPRINT
COMPRESSIVE STRESS:
100.72 N/mm²

MAXIMUM COMPRESSIVE STRESS
OF 4 JACKS
ON 1020 x 1020mm PLATE:
61.59 N/mm²



It. No.	Description	Part No.	Qty.	Material	Finish	Weight
12	ROTATING LIFTING POINT M16	RLP-M16	3	AS SUPPLIED	AS SUPPLIED	0.00
11	CEJN 116 SERIES HYD NIPPLE	C101166202	1	STEEL	CHEMICAL BLACK	0.06
10	1/4" BONDED SEAL	400.021.4490.2	2	VARIOUS	SELF COLOUR	0.003
9	ADAPTOR - 1/4 BSP x 1/4 BSP	HTT.3427.000D	1	STEEL	SELF COLOUR	0.04
8	M24 x 90 SOCKET SET CAP SCREW	HTT.12160.008	1	STEEL	CHEMICAL BLACK	0.37
7	WASHER	HTT.12160.007	1	STEEL	AS SUPPLIED	0.15
6	SWIVEL PLATE	HTT.12160.006	1	STEEL	NITRO CARBORIZED	20.47
5	COLLAR	HTT.12160.005	1	STEEL	ELECTROLESS NICKEL	47.64
4	PISTON	HTT.12160.004	1	STEEL	ELECTROLESS NICKEL	147.68
3	BEARING STRIP	HTT.12160.003	1	PTFE BRONZE	AS SUPPLIED	0.00
2	SEAL	HTT.12160.002	1	POLYURETHANE	SELF COLOUR	0.19
1	BODY	HTT.12160.001	1	STEEL	ELECTROLESS NICKEL	106.61

9913	10/02/2014	B	ATL
DMR	DATE	REV	CHK'D

DRAWING MODIFICATION HISTORY

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UNLESS OTHERWISE STATED:

ALL DIMENSIONS IN MILLIMETERS
ALL UNSTATED CHAMFERS 1 x 45°
SURFACE FINISH 3.2 µM
REMOVE SHARP EDGES
IF IN DOUBT ASK

DO NOT SCALE DRAWING

WEIGHT (kg): 323.24

SCALE: 1:4

DRAWN BY: PJP — DATE: 30/01/2014

CHECKED BY: GJH — DATE: 03/02/2014

Tentec
Part of the Atlas Copco Group

DRAWING TITLE
1600 TON LIFTING JACK

DRAWING No.
HTT.12160.000 B