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ISO 9001 REGISTERED

TENSIONERS

SUBSEA TOOLING

Torq/Lite standard sub sea tool range incorporates a combined body and bridge, lifting eye bolt, 1.18" (30 mm) piston stroke, 21,750 psi (1500 bar) operating pressure, twin hydraulic connections, a maximum piston stroke indicator and a split reaction nut. Lower cost solid reaction nuts are also available. These tools are fitted with composite material high pressure seals which clip into place and require no adjustment. All Torq/Lite tools are assembled, filled with oil, and pressure tested prior to shipping. They are also designed to conform to the European Pressure Equipment Directive and, where required, are CE marked. Torq/Lite tools are supplied with a comprehensive Health & Safety Operating and Maintenance Instruction Manual. Standard tools are fitted with two self-sealing quick connectors. This can be either two nipples or one coupling and one nipple. Customer should specify when ordering.



21,750 PSI (1500 BAR)

SINGLE OR TWIN HYDRAULIC
CONNECTIONS

HIGH INITIAL BOLT STRESS

LONG-LIFE SNAP FIT SEALS

LONG 1.18 INCH (30MM) PISTON STROKE

NON-SLIP TOLL SURFACE
FOR EASY HANDLING

MAXIMUM STROKE INDICATOR

ALL EQUIPMENT CE MARKED

EASY PISTON RETURN

ALL TOOLS SUPPLIED WITH DETAILED
OPERATING MAINTENANCE
AND SAFETY MANUALS

FITS ALL STANDARD PIPE
FLANGE APPLICATIONS

NICKEL-PLATED

24-HOUR TECHNICAL SUPPORT



TENSIONERS

SUBSEA TOOLING

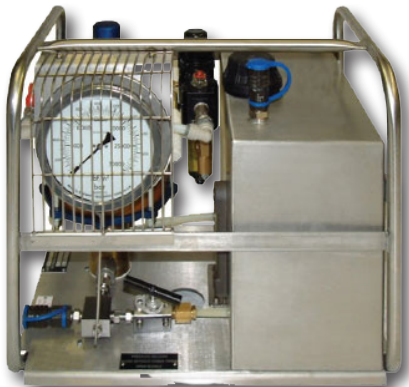
MODEL NUMBER	BOLT DIAMETER (INCH)	MINIMUM BOLT PITCH (MM)	MAX. LOAD (LBF)	MAX. LOAD KN	TOOL OUTSIDE DIAMETER (MM)	HEIGHT W/ SPLIT REACTION NUT (MM)	HEIGHT W/ SOLID REACTION NUT (MM)
TL-1	7/8	M24	81,128	361	90	171	156
	1	M27					
	1 1/8	M30					
	1 1/4	M33					
TL-2	1 3/8	M36	121,250	544	109	179	169
	1 1/2	M39					
	1 5/8	M42					
TL-3	1 3/4	M45	182,480	812	130	198	188
	1 7/8	M48					
	2	M52					
TL-5	2 1/4	M56	348,330	1550	172	235	232
	2 1/2	M64					
	2 3/4	M72					
TL-5	3	M76	575,760	2,562	215	271	268
	-	M80					
	3 1/4	M85					
	3 1/2	M90					

NOTES

1. Maximum working pressure of 1500 bar (21,750 psi)
2. Maximum Piston Stroke = 30 mm (1.81 inches)
3. Five tools cover standard pipe flange connections above 4 inch NB with bolting in the size range 1 inch to 3 1/2 inches.

OPTIONS AVAILABLE Solid or Quick Release Reaction Nuts. Extra sizes available upon request.

Torq/Lite stocks a wide range of pumps, hoses, and spare parts.



TL-1507-15L-SS
21,750 psi (1500 bar) Air Driven Power Pack



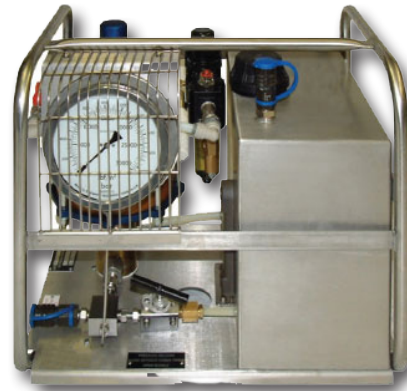
TL-1590 HOSE REEL
21,750 psi (1500 bar) Air Driven Power Pack



AIR DRIVEN POWER PACK

21,750 (1500 BAR) SYSTEM

This higher oil delivery, air-driven hydraulic pump is mounted in a tubular stainless steel transportable frame. The pack is supplied complete with air inlet connector, air filter, air pressure regulator, air lubricator, air pressure gauge, air pressure limit valve, pump on/off control, oil reservoir, oil pressure release valve, oil pressure gauge, gauge guard, air/hydraulic pump and high pressure oil outlet through a self-sealing quick connect. TL-1507 is a higher oil flow rate pump designed for use with all Torq/Lite 1500 bar tooling where speed of operation is essential. Especially useful when using multiple large tools.



NOTES

1. Maximum working pressure of 1500 bar (21,750 psi)
2. Pumps for 14,500 psi to 36,250 psi (100 bar to 2500 bar) working pressures are available.
3. Custom built power packs with any number of outlets and to suit your existing tooling are available upon request.

SPECIFICATIONS	
Consumption of Free Air	56 standard cubic feet per minute (1600 litres per minute)
Air Pressure Required	60 - 100 psi (4 - 7 bar)
Dimensions	22" (560mm) long x 16.5" (420mm) wide x 17.7" (450mm) high
Weight	68 lbs. (31 kg)
Oil Reservoir	4 gallons (15 litres) ISO 10 hydraulic oil
Frame and Tank	Stainless Steel
Pressure Gauge	Dual Scale 0 - 30,000 psi (0 - 2000 bar)
Working Pressure	21,750 psi (1500 bar)

