

BOLT TENSIONER PUMPS

Manually Operated High Pressure pump
 Usable Oil Capacity 1.2ltrs
 Working pressure 1500 bar



- ▶ Fitted with external pressure release valve
- ▶ Factory set safety valve
- ▶ Bespoke handle with ergonomic grip & mesh guard to protect gauge from accidental damage

Model	Max. Pressure (bar)	Usable oil capacity (litres)
HPX1500BTU	1500	1.2

HTN | HYDRAULIC TENSIONER NUTS

Capacities from 198 to 1911 kN
 Bolt sizes from 1" to 4" diameter
 Maximum working pressure 1500 bar



- ▶ Single acting design with integral load holding lock nut
- ▶ Designed to permanently replace regular nuts on one side of the joint
- ▶ Ideally suited for bolted joints that need opening and closing, during maintenance, on a regular basis

Model number	Bolt thread size (Inch)	Bolt thread size (mm)	Stroke (mm)	Cylinder Effective Capacity area (cm²)	Capacity (kN)
HTN1	1"	M24	5	13.2	198
HTN2	1 1/8"	M27	5	14.4	216
HTN3	1 1/4"	M30-M33	5	16.9	253
HTN4	1 3/4"	M36	5	20.4	306
HTN5	1 1/2"	M39	6	22.9	344
HTN6	1 5/8"	M42	6	26.5	398
HTN7	1 3/4"	M45	6	31.7	475
HTN8	1 7/8"	M48	6	33.4	501
HTN9	2"	M52	6	37.6	564
HTN10	2 1/4"	M56	8	49.8	746
HTN11	2 1/2"	M60-M64	8	60.3	905
HTN12	2 3/4"	M68	8	66.7	1000
HTN13	3"	M72-M76	8	80.2	1203
HTN14	3 1/4"	M80	10	94.3	1414
HTN15	3 1/2"	M85-M90	10	107	1605
HTN16	3 3/4"	M95	10	113.6	1705
HTN17	4"	M100	10	127.4	1911

NS | SINGLE ACTING NUT SPLITTERS

Nut AF sizes from 17 to 75 mm
 Bolt sizes from M10 to M48
 Working pressure 700 bar



- ▶ Single acting, spring assisted return
- ▶ Angled body design for increased clearance on flanges and flat surfaces
- ▶ High quality steel construction

Model	Capacity (tonnes)	Bolt Range (mm)	Hexagon Nut Size (mm)	Weight (Kg)
NS104	16.3	M10 - M22	17 - 32	4.0
NS110	24.9	M22 - M27	32 - 41	7.4
NS200	41.2	M27 - M33	41 - 50	10.6
NS206	57.8	M33 - M39	50 - 60	15.8
NS215	90.4	M39 - M48	60 - 75	39.3

DNS | DOUBLE ACTING NUT SPLITTERS

Nut AF sizes from 75 to 136 mm
 Bolt sizes from M48 to M95
 Working pressure 700 bar



- ▶ Double acting hydraulic piston for easy extension and retraction of the blade
- ▶ Angled body design for increased clearance on flanges and flat surfaces
- ▶ High quality steel construction

Model	Capacity (tonnes)	Bolt Range (mm)	Hexagon Nut Size (mm)	Weight (Kg)
DNS404	119.6	M48 - M72	75 - 105	50
DNS506	203.4	M72 - M95	105 - 136	96



HMNS | SELF-CONTAINED NUT SPLITTERS

Nut AF sizes from 17 to 50 mm
 Bolt sizes from M10 to M33
 Working pressure 700 bar



- ▶ Single acting, spring assisted return
- ▶ Incorporates an integral hydraulic pump with multi-positional lever
- ▶ Angled body design for increased clearance on flanges and flat surfaces

Model	Capacity (tonnes)	Bolt Range (mm)	Hexagon Nut Size (mm)	Weight (Kg)
HMNS104	16.3	M10 - M22	17 - 32	5.8
HMNS110	24.9	M22 - M27	32 - 41	7.9
HMNS200	41.2	M27 - M33	41 - 50	13.6

HFS-H | HYDRAULIC FLANGE SPREADERS

Capacities from 4.5 to 10 tonnes
 Quick and easy to assemble on flange
 Working pressure 700 bar



- ▶ Single acting, spring assisted return cylinder for fast and safe operation
- ▶ Capable of opening flanges up to 2 x 92 mm thick
- ▶ Suitable for fitment on flanges with maximum bolt size of 41 mm (1 5/8")

Model	Capacity (tonnes)	Stroke (mm)	Maximum flange thickness (mm)	Stud size (mm)
HFS50H	4.5	75	2 x 57	19 - 29
HFS100H	10	56	2 x 92	32 - 41

HI-FORCE NUT SPLITTERS AND SPREADERS

The Hi-Force range of hydraulic nut splitters provides the perfect answer for removal of worn, damaged or corroded fasteners. Manufactured from high quality steel, the range includes single acting and double acting versions, designed for splitting hexagon nuts from 17 mm to 136 mm AF sizes.

MFS | MECHANICAL FLANGE SPREADERS

Suitable for bolt diameters up to 31 mm
Maximum spread 231 mm
No external power source required



- ▶ Mechanical feed screw design
- ▶ Capable of opening flanges up to 2 x 95 mm thickness
- ▶ Economical and safe operation
- ▶ Compact, portable and easy to use

Model	Pin diameter (mm)	Min flange bolt hole diameter	Maximum flange thickness (mm)	Weight (Kg)
MFS16	16	17	2 x 22	2.2
MFS19	19	20	2 x 35	2.7
MFS22	22	23	2 x 47	4.1
MFS25	25	26	2 x 62	6.4
MFS28	28	29	2 x 70	8.2
MFS31	31	32	2 x 95	9.6

JS | JAW SPREADER

Capacity 0.9 tonnes
Maximum spread 84 mm
Working pressure 700 bar



- ▶ Single acting, spring assisted return
- ▶ Narrow design requires access gap of only 13 mm
- ▶ High strength forged steel construction
- ▶ Compact, light weight and easy to use

Model	Capacity (tonnes)	Oil capacity (cm³)	Jaw Tips (mm)	Weight (Kg)
JS4	0.9	10	30	2.2

SJS | STEPPED JAW SPREADERS

Capacity 13 tonnes per spreader unit
Maximum spread 60 mm
Supplied with safety block & stepped blocks



- ▶ Single acting, spring assisted return
- ▶ High strength steel construction
- ▶ Compact, lightweight and easy to use
- ▶ SJS10M is self contained spreader unit with integral manual pump

Model	Capacity (tonnes)	Stroke (mm)	Min height (mm)	Max spread (mm)	Jaw Tips (mm)	Weight (Kg)
SJS10	13	50	8	60	8	5.5
SJS10-M	13	50	8	60	8	7.5

MHX | MANUALLY OPERATED HYDROTEST PUMPS

Choice of 5 models available
Maximum output pressures up to 1000 bar
Two stage displacement with manual T-Handle changeover plunger



- ▶ Lightweight aluminium alloy pump unit with integral factory set safety relief valve
- ▶ High grade stainless steel pistons for increased resistance to corrosion
- ▶ Smooth manually operated 2-way pressure and release valve with precise control

Model (with reservoir)	Working pressure (bar)	Change over pressure bar	Displacement per stroke (cm³)	
			1 st stage	2 nd stage
MHX100	100	50	50	22
MHX300	300	50	50	8
MHX500	500	50	50	4
MHX700	700	50	50	3
MHX1000	1000	50	50	2

MHX-PU | MANUALLY OPERATED HYDROTEST PUMP UNITS

Choice of 5 models available
Maximum output pressures up to 1000 bar
Two stage displacement with manual T-Handle changeover plunger

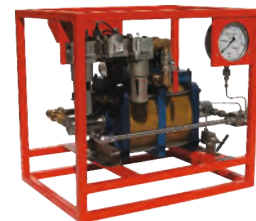


- ▶ Supplied as pump unit and operating lever only, reservoir not included
- ▶ Includes four bolt fixing kit with gasket for easy mounting on fluid reservoir
- ▶ All other features are as specified for the MHX pumps

Model (pump only)	Working pressure (bar)	Change over pressure bar	Displacement per stroke (cm³)	
			1 st stage	2 nd stage
MHX100PU	100	50	50	22
MHX300PU	300	50	50	8
MHX500PU	500	50	50	4
MHX700PU	700	50	50	3
MHX1000PU	1000	50	50	2

ATDP | AIR DRIVEN TWIN DOUBLE ACTING HYDROTEST PUMPS

Output pressures up to 1489 bar
Suitable for use with various fluids
150 mm dual scale vibra pressure gauge



- ▶ Infinitely variable output pressure and fluid displacement speed
- ▶ Integral inlet air filtration and lubrication unit with air pressure gauge
- ▶ Airline regulator for easy setting of input air and output hydraulic pressure

Model	Max output pressure (bar) at airline input pressure			Displacement per stroke (cm³)
	1.38 bar	4.14 bar	6.9 bar	
ATDP63	87	260	434	275
ATDP125	172	517	862	140
ATDP216	298	894	1489	79