

ZipTENSIONER

Reaction Nuts

FASTORQ® Reaction Nuts with ZipNut® Double Zip® action is a direct fit replacement part and can be retro-fitted to existing tensioners with minimal modifications.

- Directly replaces the thread-on puller bars of multi-stud tensioner systems built for steam generator manways.
- Reduces maintenance crew time and fatigue is avoided when overhead installation of tensioners is required.
- "Push on, pull off" technology zips on rusty or damaged threads, tensions the stud and zips off.
- Simple and fast, no twisting or turning.

ZipNut

The push on threaded nut is ASTM A194 Grade 2H equivalent and measures one wrench size larger across the flats than standard heavy hex nuts.

- Eliminates tedious turning, turning and turning.
- Eliminates cross threading.
- Fits standard bolts - available in sizes 1/2" - 1".
- Replaces heavy hex nuts.

Power Units

For optimum performance and fast turnaround, power FASTORQ Stud Tensioners with a FASTORQ power unit.

Model HTP-2000

- 30,000 psi air-driven
- Filter, regulator and lubricator
- Rugged steel cage
- Power fluid return pump

Model HTP-1000

- Same as Model HTP-2000, includes drain port for fluid return.

Link Line: 4:1 Safety burst ratio - Quick disconnect couplers

"ZipNut" and "Double Zip" are Trademarks of Thread Technology, Inc.

The ZipNut® Double Zip® is protected under Patent (Numbers 4,378,187; 5,324,150; 5,427,488; 5,378,100; 5,580,200; Foreign Patents; and Patents Pending) and is utilized by FASTORQ® under an exclusive agreement with Thread Technology, Inc.



Fastorq Model HTP-2000 is powering 28 ZipTENSIONER Stud Tensioners, size 2 1/2".



Power Unit HTP-2000

Reduces Tensioning Time By Up To 50%

Model Number	HTP2000
Type	Air
Requirement	75cfm @100psi
Maximum Pressure (psi)	30,000psi
Oil Delivery (Cubic Inches/Min.) @ No Load @Full Pressure Per Stroke ci	32 16 .123
Motor Size (Hp)	1.5
Air Piston Diameter	7"
Stroke	2.5"
Hydraulic Piston Diameter	.25"
Reservoir Capacity (Gallons)	2.5
Dimensions (Inches) Length Width Height Weight (With Oil) Lbs.	19.5 19.5 19.5 120
Valve Type	Manual



Features:

HTP-2000 dual hydraulic power unit, air operated, complete with air driven vacuum return pump.

Includes: filter, regulator, lubricator, 30,000 psi gauge, 2.5 gallon reservoir, pressure control needle valve and features an air driven vacuum return pump.

All contained in a rugged stainless steel tubular frame for maximum component protection.

For use with all variable, fixed and multiple tensioner systems.



Power Unit HTP-1000

Reduces Tensioning Time By Up To 50%

Model Number	HTP2000
Type	Air
Requirement	75cfm @100psi
Maximum Pressure (psi)	30,000psi
Oil Delivery (Cubic Inches/Min.) @ No Load @Full Pressure Per Stroke ci	32 16 .123
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Features:

HTP-1000 dual hydraulic power unit, air operated.

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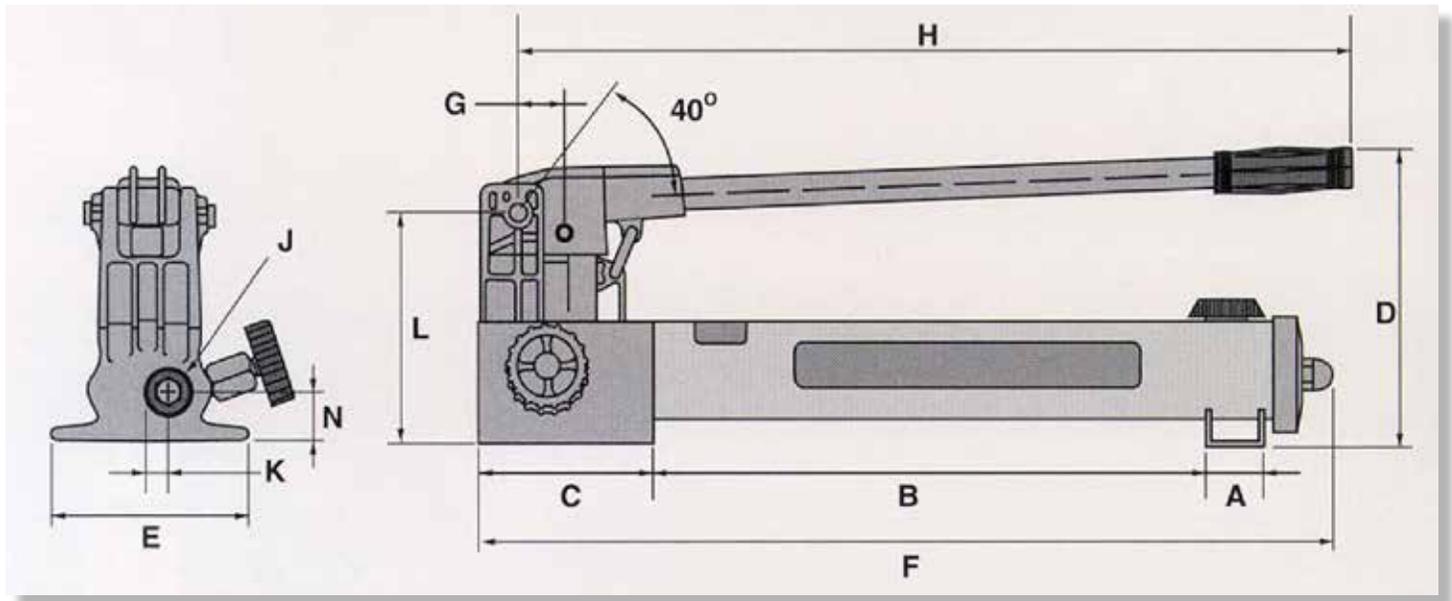


Hand Power Unit HTP-40H

- 40,000 PSI Pressure Capability – for specialized ultra high pressure applications
- Two-Speed Operation – reduces cycle time for increased productivity
- Durable Glass Filled Nylon Reservoir and Encapsulated Pump Head – resists corrosion
- Large Release Valve – better control of pressure release

Shipped with 30,000 PSI Pressure Gauge and Fittings

New two-speed operation and pumping chamber design make it fast and easy to use, while reducing handle effort at 40,000 PSI.



DIMENSION CHART INCHES (Metric)

Model Number	A	B	C	D	E	F	G	H	J	K	L	N
HTP – 40H	1.4 (35,5)	13.6 (345)	5.25 (133)	9.00 (229)	4.74 (120)	22.00 (559)	1.16 (29.5)	20.75 (527)	3/4 - 16 CONE PORT	0.49 (12.4)	5.49 (139)	1.24 (31,5)

SELECTION CHART

Model Number	Pump Speed	Max. Pressure Rating*	Oil Volume Per Stroke	Reservoir Capacity	Piston Diameter	Piston Stroke	Weight
HTP – 40H	2 Speed	1 st Stage – 200 PSI	.99 in ³	60 in ³ (.983L)	1.123 in	1.00 in.	14 lbs.
		2 nd Stage – 40,000 PSI	.037 in ³		.218 in		

Note: Pump is not equipped with an internal relief valve. A pressure gauge must be used to prevent over-pressurization.

