



Best in Class
Products

From Best in Class
Processes



Hydrotorc Hydraulic Products – X series

Torque Tools | Tensioner Tools | Hydraulic Tools

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Company Information

HYDROTORC is a leading OEM (Original Equipment Manufacturer) specializing in advanced bolting and machining tools, offering a full range of products, rentals, and on-site technical services for critical applications. With decades of combined industry experience, HydroTorc's team is renowned for delivering reliable, high-precision solutions that consistently outperform in demanding environments.

From tool manufacturing to field machining and bolting services, HydroTorc stands out for its commitment to quality, speed, and safety. Our products and solutions are widely trusted across multiple sectors including oil and gas, petrochemical, marine, wind, power generation, mining, and heavy infrastructure.



Electric torque wrench, pneumatic torque wrench, servo precision torque wrench, lithium battery torque wrench, impact electric/pneumatic fixed torque wrench, hydraulic torque wrench, planetary gearbox (for torque wrenches) and other series of torque tools.



Hydraulic tensioner, large-tonnage and long-stroke cylinders, PLC controlled synchronous jacking systems, vehicle-mounted hydraulic pullers, mobile hydraulic lathes, hydraulic presses, etc. Hydraulic Tools.



Electric hydraulic pumps, pneumatic hydraulic pumps, explosion-proof electric hydraulic pumps, digital display intelligent hydraulic pumps, large-flow servo motor hydraulic pumps and other supporting power source products.

You can be sure that the high-quality services (pre-sales, after-sales, customization) and innovative bolt technology products provided by our professionals are dedicated to meeting and exceeding Exceed customer needs. Obtained a number of utility model patents, invention patents and software copyrights, and passed ISO9001 quality management system certification. On-site services, purchase our products, torque calibration, or rent our tools and equipment, HYDROTORC will provide you with more convenient and effective industrial bolt technical services.



HYDROTORC Digital Electric Torque Wrenches

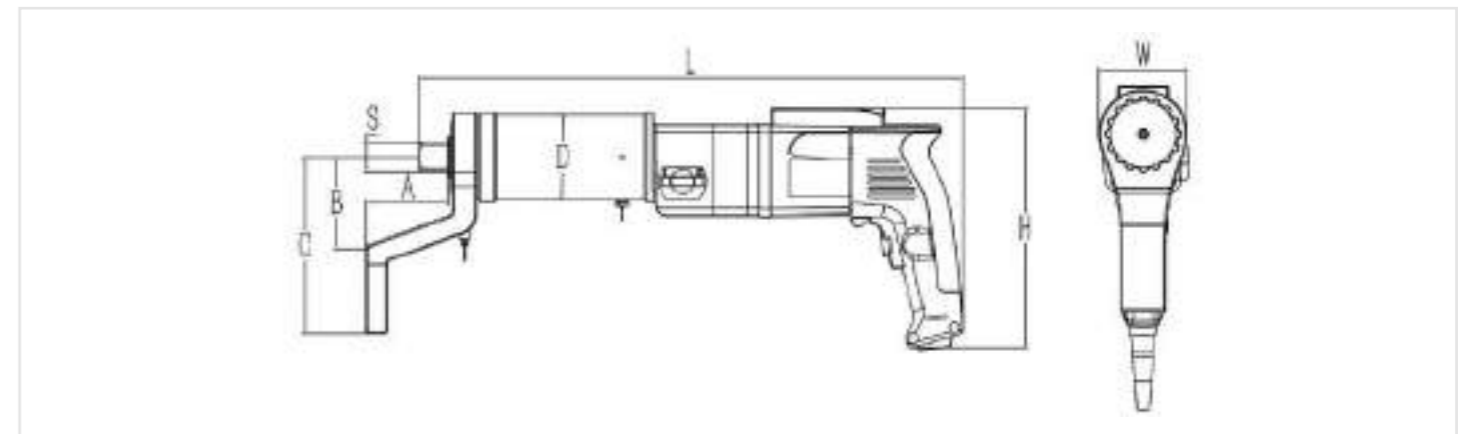
- 1 Dual-speed design, capable of switching between I/II speeds, corresponding to different speeds and torques;
- 2 The power system can rotate 360 degrees, and the memory-type mechanical locking system has no reactive force acting on the handle, which can prevent personal injury caused by mechanical failure;
- 3 Spring type reaction arm can be quickly removed and replaced, improving work efficiency;
- 4 The minimum resolution can reach 1N.m and factory accuracy reaches $\pm 5\%$. The repeatability accuracy is $\pm 3\%$, and the accompanying traceability torque verification report is provided;
- 5 It will automatically stop when the set torque is reached, and the tightening result is informed by visual signal light and buzzer;
- 6 The counter calculates the number of times it has been used in real-time, making it clear whether maintenance is needed immediately;
- 7 Standard configuration: torque, bolt, and gear preset modes;
- 8 The body can store 10,000 pieces of fastening data, which can be connected to the device through Type-C to monitor and export fastening data (workstation, operator, torque, and date), and achieve reversible data query;
- 9 Optional: angle mode and sensor mode;
- 10 Optional: Wireless communication module can be added to connect to the upper computer or APP;



HYDROTORC Digital Electric Torque Wrenches



Model	Torque (N.m)	Drive Shaft S (Inch)	Speed (Rpm)	L (mm)	H (mm)	D (mm)	A (mm)	B (mm)	C (mm)	Weight (Kg)
DEX07	100-700	3/4"	22.8	385	210	75	50	54	110	6.1
DEX10	140-1000	3/4"	14.5	405	210	88	65	65	130	6.5
DEX21	300-2100	1"	6.4	430	210	75	75	75	150	8.5
DEX30	430-3000	1"	4.8	440	210	88	80	83	160	8.9
DEX40	570-4000	1"	3.4	450	210	95	80	83	160	12.5
DEX50	715-5000	1-1/2"	3.4	450	210	95	80	83	160	12.5
DEX60	850-6000	1-1/2"	2.6	490	210	122	90	90	180	14.8
DEX70	1000-7000	1-1/2"	2.6	490	210	122	90	90	180	14.9
DEX80	1150-8000	1-1/2"	2.0	550	210	136	100	95	200	16.5
DEX100	1450-10000	1-1/2"	1.6	550	210	136	100	95	200	16.8
DEX120	1750-12000	1-1/2"	1.3	550	210	136	100	95	200	16.9



HYDROTORC Digital Precision Electric Torque Wrenches

- The minimum resolution can reach 1N.m and factory accuracy reaches $\pm 3\%$. The repeatability accuracy is $\pm 3\%$, and the accompanying traceability torque verification report is provided. The TS version with torque sensor can achieve an accuracy of $\pm 1\%$;
- The power system can rotate 360 degrees, and the memory-type mechanical locking system has no reactive force acting on the handle, which can prevent personal injury caused by mechanical failure;
- Spring type reaction arm can be quickly removed and replaced, improving work efficiency;
- After tightening, it can automatically rollback, making it easy to remove the wrench;
- Lightweight and reliable ergonomic gun grip, increasing user comfort;



- The HSX-CS series controller provides a simple and easy-to-use operating interface for all HSX tools, allowing torque to be set through the human-machine interface, making operation simpler and more convenient;
- Workstations, operators, torque, and dates can be edited, and fastening data can also be exported via USB;
- It will automatically stop when the set torque is reached, and the tightening result is informed by visual signal light and buzzer;
- The counter calculates the number of times it has been used in real-time and maintenance times is set for automatic reminder, making it clear whether maintenance is needed immediately;
- There are three modes to choose from: torque mode, angle mode, and torque plus angle mode;
- Optional: Transmission system with torque sensor, capable of achieving dual closed-loop control of torque and angle, with TS added to the model;
- Support communication methods such as MODBUS and PROFIBUS, and can also add wireless communication modules to achieve management of IOT connection between upper computer and MES system;



HYDROTORC Digital Precision Electric Torque Wrenches



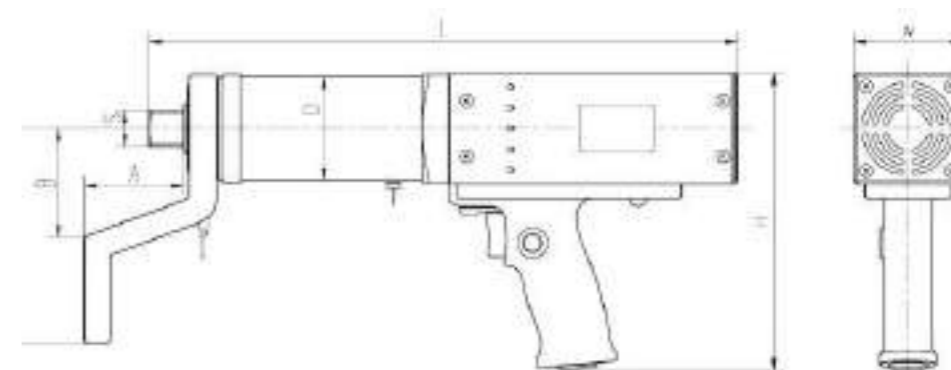
Digital torque module (optional)



Digital torque module (optional)



Model	Torque (N.m)	Drive Shaft S (Inch)	Speed (Rpm)	L (mm)	H (mm)	D (mm)	A (mm)	B (mm)	C (mm)	Weight (Kg)
DPX01	7-50	1/2"	58.6	325	210	75	45	45	90	6.6
DPX03	35-250	3/4"	49.2	335	210	75	50	54	110	7.1
DPX07	100-700	3/4"	32.4	385	210	75	50	54	110	8.1
DPX10	140-1000	3/4"	20.6	405	210	88	65	65	130	8.5
DPX21	300-2100	1"	9.1	430	210	75	75	75	150	10.5
DPX30	430-3000	1"	7.4	440	210	88	80	83	160	10.9
DPX40	570-4000	1"	4.8	450	210	95	80	83	160	14.5
DPX50	715-5000	1-1/2"	4.8	450	210	95	80	83	160	14.5
DPX60	850-6000	1-1/2"	3.7	490	210	122	90	90	180	16.8
DPX70	1000-7000	1-1/2"	3.7	490	210	122	90	90	180	16.8
DPX80	1150-8000	1-1/2"	2.5	550	210	136	100	95	200	18.5
DPX100	1450-10000	1-1/2"	2.3	550	210	136	100	95	200	18.8
DPX120	1750-12000	1-1/2"	1.8	550	210	136	100	95	200	18.9



HYDROTORC High Speed Digital Precision Electric Torque

HSX21H



HSX60H



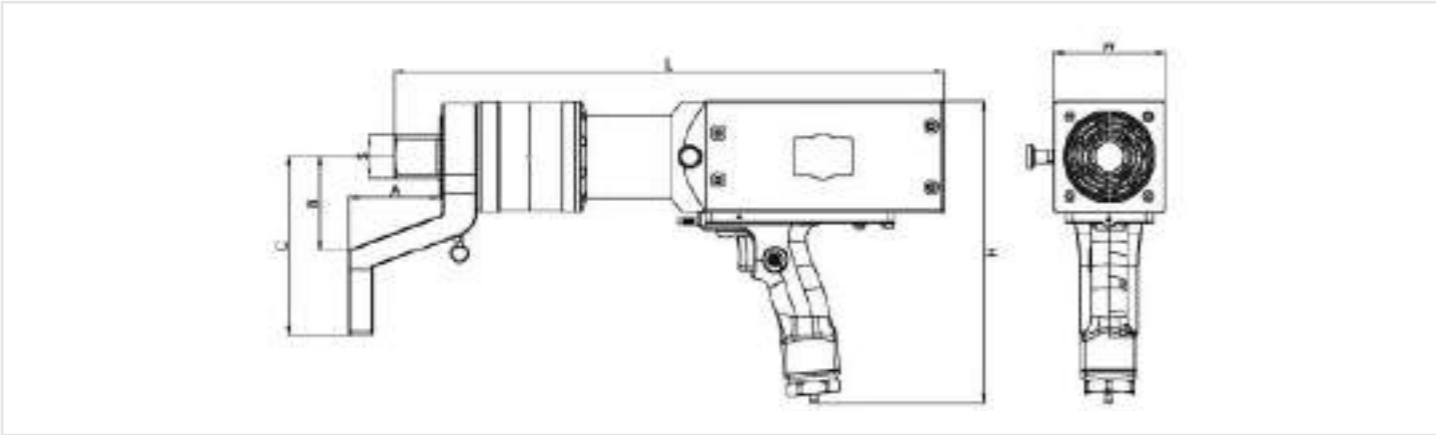
Digital torque module (optional)



Digital torque module (optional)



Model	Torque (N.m)	Drive Shaft S (Inch)	No-load Speed (Rpm)	L (mm)	H (mm)	D (mm)	A (mm)	B (mm)	C (mm)	Weight (Kg)
HSX21H	300-2100	1"	18	435	260	75	75	75	105	10.5
HSX30H	450-3000	1"	15	445	260	75	80	83	105	11.5
HSX45H	600-4500	1-1/2"	7.4	455	260	75	80	83	105	14.5
HSX60H	850-6000	1-1/2"	5.6	495	260	88	90	90	105	15.0
HSX80H	1150-8000	1-1/2"	4.5	550	260	75	100	95	105	18.5
HSX100H	1450-10000	1-1/2"	5.5	560	260	88	100	95	115	20.5
HSX150H	2500-15000	1-1/2"	4.1	560	260	95	100	95	115	21.5



Digital Cordless Torque Wrenches

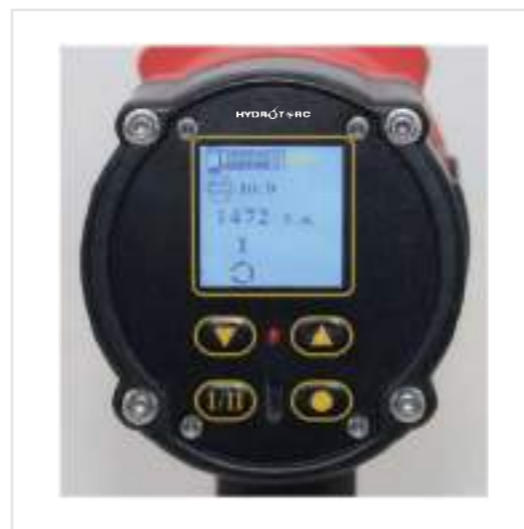
- Standard configuration includes 2 pieces of 18V, 5Ah lithium batteries, and a fast charger that can be completed in 60 minutes, and optional configuration includes 8Ah and 12Ah batteries
- Brushless motors are applicable for low explosion-proof situations and have strong and long-lasting power;
- The power system can rotate 360 degrees, and the memory-type mechanical locking system has no reactive force acting on the handle, which can prevent personal injury caused by mechanical failure;
- Spring type reaction arm can be quickly removed and replaced, improving work efficiency;
- The minimum resolution can reach 1N.m and factory accuracy reaches $\pm 5\%$. The repeatability accuracy is $\pm 3\%$, and the accompanying traceability torque verification report is provided;
- It will automatically stop when the set torque is reached, and the tightening result is informed by visual signal light and buzzer. After tightening, it can automatically rollback, making it easy to remove the wrench;
- The counter calculates the number of times it has been used in real-time, making it clear whether maintenance is needed immediately;
- Standard configuration: torque, bolt, and gear preset modes;
- The body can store 10,000 pieces of fastening data, which can be connected to the device through Type-C to monitor and export fastening data (workstation, operator, torque, and date), and achieve reversible data query;
- Optional: Wireless communication module can be added to connect to the upper computer or APP;



Operation interface (torque mode)



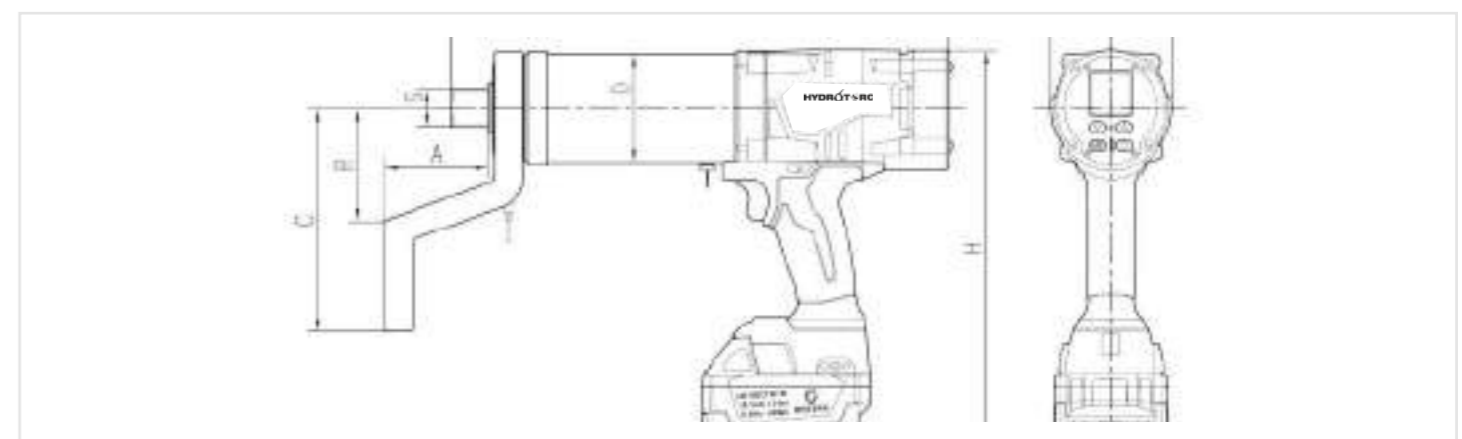
Operation interface (bolt mode)



HYDROTORC Digital Cordless Torque Wrenches



Model	Torque (N.m)	Drive Shaft S (Inch)	Speed (Rpm)	L (mm)	H (mm)	D (mm)	A (mm)	B (mm)	C (mm)	Weight (Kg)
DCX04	125-450	3/4"	22.2	300	260	76	50	54	110	4.8
DCX07	125-700	3/4"	20	300	260	76	50	54	110	4.8
DCX10	180-1000	3/4"	14.1	320	260	88	65	65	130	5.3
DCX20	350-2000	1"	6.2	345	260	76	75	75	150	6.1
DCX30	500-3000	1"	5.0	355	260	88	80	83	160	7.4
DCX50	1000-5000	1-1/2"	2.0	385	260	96	80	83	160	9.5
DCX60	1000-6000	1-1/2"	2.0	385	260	96	80	83	160	9.8
DCX70	1200-7000	1-1/2"	1.5	425	260	122	90	90	180	14.6
DCX90	1500-9000	1-1/2"	1.0	425	260	122	100	95	200	14.9
DCX120	2000-12000	1-1/2"	1.5	467	285	136	100	95	200	17.2
DCX150	2500-12000	1-1/2"	1.0	467	285	136	100	95	200	17.5



Digital Brushless Electric Torque Wrenchs

- 100-240V wide voltage design, suitable for different countries and regions, and can also be used with 18V lithium batteries;
- Brushless motors are applicable for low explosion-proof situations and have strong and long-lasting power;
- The power system can rotate 360 degrees, and the memory-type mechanical locking system has no reactive force acting on the handle, which can prevent personal injury caused by mechanical failure;
- Spring type reaction arm can be quickly removed and replaced, improving work efficiency;

- The minimum resolution can reach 1N.m and factory accuracy reaches $\pm 5\%$. The repeatability accuracy is $\pm 3\%$, and the accompanying traceability torque verification report is provided;
- It will automatically stop when the set torque is reached, and the tightening result is informed by visual signal light and buzzer. After tightening, it can automatically rollback, making it easy to remove the wrench;
- The counter calculates the number of times it has been used in real-time, making it clear whether maintenance is needed immediately;
- Standard configuration: torque, bolt, and gear preset modes;
- The body can store 10,000 pieces of fastening data, which can be connected to the device through Type-C to monitor and export fastening data (workstation, operator, torque, and date), and achieve reversible data query;
- Optional: angle mode and sensor mode;
- Optional: Wireless communication module can be added to connect to the upper computer or APP;

BCTG10



Operation interface (torque mode)



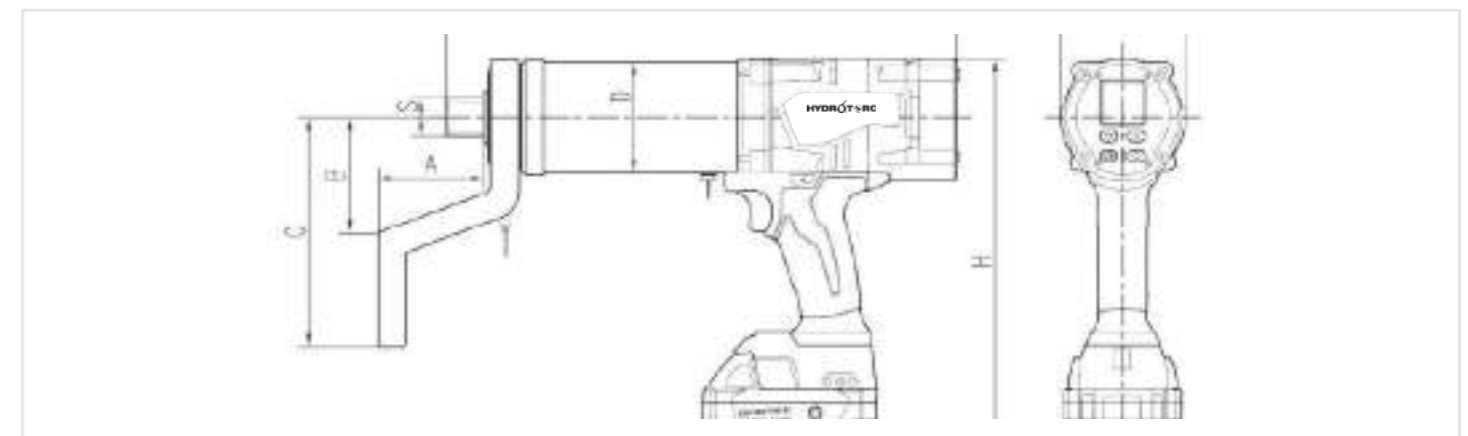
Operation interface (bolt mode)



HYDROTORC Digital Brushless Electric Torque Wrenchs



Model	Torque (N.m)	Drive Shaft S (Inch)	Speed (Rpm)	L (mm)	H (mm)	D (mm)	A (mm)	B (mm)	C (mm)	Weight (Kg)
DBX04	125-450	3/4"	22.2	300	260	76	50	54	110	4.8
DBX07	125-700	3/4"	20	300	260	76	50	54	110	4.8
DBX10	180-1000	3/4"	14.1	320	260	88	65	65	130	5.3
DBX20	350-2000	1"	6.2	345	260	76	75	75	150	6.1
DBX30	500-3000	1"	5.0	355	260	88	80	83	160	7.4
DBX50	1000-5000	1-1/2"	2.0	385	260	96	80	83	160	9.5
DBX60	1000-6000	1-1/2"	2.0	385	260	96	80	83	160	9.8
DBX70	1200-7000	1-1/2"	1.5	425	260	122	90	90	180	14.6
DBX90	1500-9000	1-1/2"	1.0	425	260	122	100	95	200	14.9
DBX120	2000-12000	1-1/2"	1.5	467	285	136	100	95	200	17.2
DBX150	2500-15000	1-1/2"	1.0	467	285	136	100	95	200	17.5



Digital Impact Cordless Torque Wrenches

- Standard configuration includes 2 pieces of 18V, 5Ah lithium batteries, and a fast charger that can be completed in 60 minutes, and optional configuration includes 8.0Ah and 12.0Ah batteries;
- Brushless motors are applicable for low explosion-proof situations and have strong and long-lasting power;
- The lightweight composite material body can absorb vibrations well and also protect handle from cold damage, with light weight and high efficiency;
- High torque without the need for a reaction arm, with strong spatial applicability;
- The factory accuracy reaches $\pm 5\%$. The repeatability accuracy is $\pm 3\%$, and the accompanying traceability torque verification report is provided;
- It will automatically stop when the set torque is reached, and the tightening result is informed by visual signal light and buzzer;
- The counter calculates the number of times it has been used in real-time, making it clear whether maintenance is needed immediately;
- Standard configuration: torque, bolt, and gear preset modes;
- The body can store 10,000 pieces of fastening data, which can be connected to the device through
- Type-C to monitor and export fastening data (workstation, operator, torque, and date), and achieve reversible data query;
- Optional: Wireless communication module can be added to connect to the upper computer or APP;

DIX02



DIX02



Model	Torque (N.m)	Input Square (Inch)	No-load Speed (Rpm)	H (mm)	D (mm)	B (mm)	C (mm)	Weight (Kg)
DIX005	13-65	3/8"	2400	153	153	3200	96	1.5
DIX01	28-140	1-1/2"	2400	153	260	3500	96	1.9
DIX02	50-250	1-1/2"	1800	245	260	2100	101.5	3.3
DIX03	65-330	3/4"	1800	255	260	2400	101.5	3.6
DIX04	90-450	1"	1650	353	260	2500	96	5.0

Lithium battery impact wrench with added digital display control (not a case study, images only for display purposes)

<p>3/8" lithium impact wrench</p>	<p>1/2" lithium impact wrench</p>	<p>3/4" lithium impact wrench</p>
<p>3/8" lithium impact wrench</p>	<p>1/2" lithium impact wrench</p>	<p>36V lithium impact wrench</p>
<p>3/8" lithium impact wrench</p>	<p>1/2" lithium impact wrench</p>	<p>1/2" lithium impact wrench</p>
<p>3/8" lithium impact wrench</p>	<p>1/2" lithium impact wrench</p>	<p>3/4" lithium impact wrench</p>
<p>1/4" lithium impact wrench</p>	<p>1/2" lithium impact wrench</p>	<p>3/4" lithium impact wrench</p>

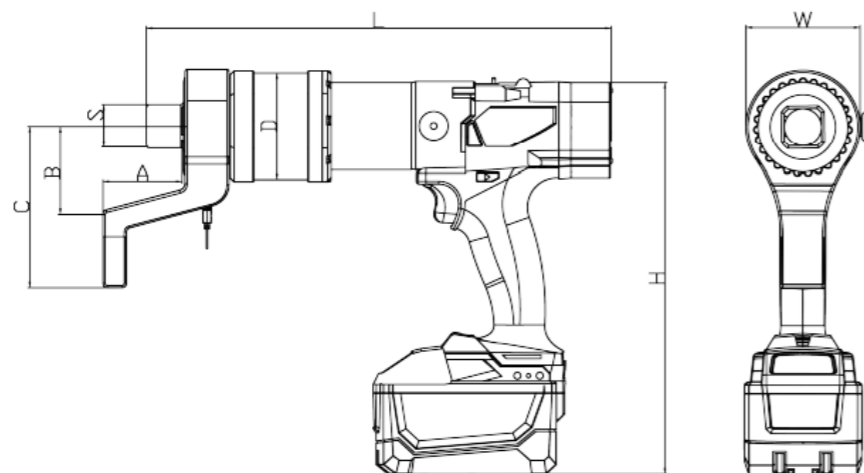
HYDROTORC Lightweight Digital Cordless Torque Wrenches

LCX25

Operation interface (torque mode)



Model	Torque (N.m)	Drive Shaft S (Inch)	Speed (Rpm)		L (mm)	H (mm)	D (mm)	A (mm)	B (mm)	C (mm)	Weight (Kg)
			1	2							
LCX04	100-400	3/4"	6.3	26.5	265	240	60	50	54	110	3.1
LCX07	140-700	3/4"	6.3	25.5	265	240	60	50	54	110	3.1
LCX12	240-1200	3/4"	3.6	15.2	290	240	76	75	75	150	3.4
LCX25	500-2500	1"	1.6	7.5	316	240	76	75	75	150	3.6
LCX35	700-3500	1"	1.2	4.7	332	240	88	80	83	160	4.8
LCX45	900-4500	1-1/2"	0.9	4.5	348	240	88	80	83	160	5.0
LCX80	1600-8000	1-1/2"	0.4	1.9	384	240	122	100	95	200	9.7
LCX100	2000-10000	1-1/2"	0.4	1.7	384	240	122	100	95	200	9.8
LCX120	2400-12000	1-1/2"	0.3	1.3	384	240	122	100	95	200	9.9



HYDROTORC Pneumatic Torque Wrenches

- Lightweight, 7-blade high-performance pneumatic motor with high efficiency;
- The power system can rotate 360 degrees, and the memory-type mechanical locking system has no reactive force acting on the handle, which can prevent personal injury caused by mechanical failure
- Low noise, non-impact type, and low vibration frequency ensure safe and comfortable tool use;
- Spring type reaction arm can be quickly removed and replaced, improving work efficiency;
- The factory accuracy reaches $\pm 5\%$. The repeatability accuracy is $\pm 3\%$, and the accompanying traceability torque verification report is provided;

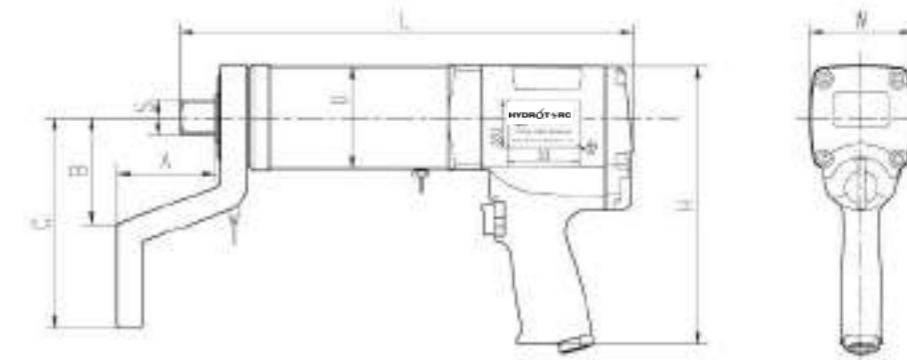
PTX05 - PTW18



PTX60



Model	Torque (N.m)	Drive Shaft S (Inch)	Speed (Rpm)	L (mm)	H (mm)	D (mm)	A (mm)	B (mm)	C (mm)	Weight (Kg)
PTX05	100-500	3/4"	31.6	295	210	75	50	54	110	6.1
PTX08	160-800	3/4"	20.2	315	210	88	65	65	130	6.5
PTX18	360-1800	1"	8.9	340	210	75	75	75	150	7.5
PTX25	500-2500	1"	8.9	340	210	75	75	75	150	8.5
PTX30	600-3000	1"	6.6	350	210	75	80	83	160	8.9
PTX40	800-4000	1"	4.7	360	210	88	80	83	160	12.5
PTX50	1000-5000	1-1/2"	4.7	360	210	95	80	83	160	12.7
PTX60	1200-6000	1-1/2"	3.6	375	210	95	90	90	180	14.8
PTX80	1600-8000	1-1/2"	2.4	460	210	122	100	95	200	16.8
PTX100	2000-10000	1-1/2"	2.2	465	210	136	100	95	200	16.9
PTX120	2400-12000	1-1/2"	1.7	465	210	136	100	95	200	17.2



Pneumatic Impact Wrenches - Digital Torque Control System

- The PIX series controller provides a simple and easy-to-use operating interface for all pneumatic tools, allowing torque to be set through mechanical knobs or buttons, making operation simpler and more convenient. It is applicable for pneumatic wrenches from various manufacturers, with a torque range of 3-1,375N.m;
- Subject to battery powered system, it is capable of continuous operation for more than 48 hours;
- The minimum resolution can reach 1N.m and factory accuracy reaches ± 5 . The repeatability accuracy is ± 3 , and the accompanying traceability torque verification report is provided
- It will automatically stop when the set torque is reached, and the tightening result is informed by visual signal light and buzzer;
- The counter calculates the number of times it has been used in real-time, making it clear whether maintenance is needed immediately;
- Standard configuration: torque, bolt, and gear preset modes;
- The body can store 10,000 pieces of fastening data, which can be connected to through Type-C or USB equipment to monitor and export fastening data (workstation, operator, torque, and date), and achieve reversible data query;
- Optional: Wireless communication module can be added to connect to the upper computer or APP;



PIX06



Model	Torque (N.m)	Drive Shaft S (Inch)	Speed (Rpm)	Pipe Dimensions (mm)	Vibration a/k* (m/s ²)	Air inlet Thread (Inch)	Noise Level (mm)	Air Consumption (L/min)	Weight (Kg)
PIX002	4-20	1/4"	10000	10	4.8/0.9	1/2"	85	60	0.63
PIX007	13-65	3/8"	10000	10	4.9/1.0	1/2"	85	60	0.65
PIX012	23-115	3/8"	8000	10	7.6/1.2	1/2"	90	102	1.1
PIX02	45-425	1/2"	8000	10	9.1/1.4	1/2"	90	102	1.2
PIX03	56-280	1/2"	8000	10	8.6/1.3	1/4"	92	144	1.9
PIX032	50-250	1/2"	8000	10	8.6/1.3	1/4"	92	144	2
PIX06	110-550	3/4"	6500	13	11.1/1.5	3/8"	93	228	3.25
PIX066	100-500	3/4"	6500	13	11.1/1.5	3/8"	93	228	3.95
PIX08	156-780	1"	8000	13	8.6/1.3	3/8"	94	390	10.9
PIX086	150-750	1"	8000	13	8.3/1.3	3/8"	94	390	12.4
PIX10	210-1050	1"	8000	13	8.3/1.3	3/8"	94	500	15.4
PIX18	340-1700	1-1/2"	3600	13	9.3	3/8"	94	600	18

Can be matched for it (not a case study, images only for display purposes)

3/8" pneumatic impact wrench



1/2" pneumatic impact wrench



3/4"right angle impact wrench tool



1/2" pneumatic impact wrench



3/4" pneumatic impact wrench



1" pneumatic impact wrench



3/8"right angle impact wrench tool



1/2" pneumatic impact wrench



1-1/2" pneumatic impact wrench



3/8" pneumatic impact wrench



1/2" pneumatic impact wrench



3/4" pneumatic impact wrench



1/4" pneumatic impact wrench



1/2" pneumatic impact wrench



1" pneumatic impact wrench



Pneumatic Torque Wrenches - Digital Control System

- Subject to lithium battery powered system, it is capable of continuous operation for more than 48 hours;
- The minimum resolution can reach 1N.m and factory accuracy reaches $\pm 5\%$. The repeatability accuracy is $\pm 3\%$, and the accompanying traceability torque verification report is provided;
- It will automatically stop when the set torque is reached, and the tightening result is informed by visual signal light and buzzer.
- The counter calculates the number of times it has been used in real-time, making it clear whether maintenance is needed immediately;
- Standard configuration: torque, bolt, and gear preset modes;
- The body can store 10,000 pieces of fastening data, which can be connected to through Type-C or USB equipment to monitor and export fastening data (workstation, operator, torque, and date), and achieve reversible data query;
- Optional: angle mode and sensor mode;
- Optional: Wireless communication module can be added to connect to the upper computer or APP;
- It is applicable for single-speed or dual-speed pneumatic torque wrenches from various brand manufacturers, with a torque range of 50-15,000N.m;



Can be matched for it



Can be matched for it



Can be matched for it



Can be matched for it



Can be matched for it



Can be matched for it



Special Reaction Arms

Extended Reaction Arm



Sliding Reaction Arm (adjustable center distance)



Sliding Extension Rod (for wheel hub)



Elastic Extension Rod (for wheel hub)



Arc-shaped Reaction Arm



Reaction Arm (for wheels)



Pentagonal Reaction Arm (for wheels)



Pentagonal Reaction Arm (for impeller)



HYDROTORC Offset Drives

Offset Drive (integrated type)

- Used in conjunction with electric and pneumatic torque wrenches and multipliers, with a bias ultra-thin design, applicable for axial space limited working conditions;
- With hollow structure, it can be used in situations where bolts extend longer or height space is limited;
- It is made of high-strength alloy materials, which is sturdy and durable, with a high-precision transmission system to ensure smooth and accurate transmission;
- Integrated structure is adopted, with higher strength and lighter weight;
- It is equipped with torque amplification function, customizable length/width/thickness/center distance, etc.;

ODIX02-65



Model	Maximum Torque (N.m)	Applicable Scope AF (mm)	Input Drive Shaft D (Inch)	Tooth Drum Diameter (mm)	A (mm)	E (mm)	H (mm)	Weight (Kg)
ODIX01	1500	17-36	3/4" or 1"	60/75	120	27	68	2.0
ODIX02	3000	30-60	3/4" or 1"	75	140	32	68	2.5
ODIX04	6000	41-80	1" or 1-1/2"	88/95	160	42	82	3.5
ODIX08	12000	50-90	1-1/2"	122/139	180	52	100	4.5

Offset Drive (split type)

- Used in conjunction with electric and pneumatic torque wrenches and multipliers, with a bias ultra-thin design, applicable for axial space limited working conditions;
- With hollow structure, it can be used in situations where bolts extend longer or height space is limited;
- It is made of high-strength alloy materials, which is sturdy and durable, with a high-precision transmission system to ensure smooth and accurate transmission;
- Capable of quickly replacing the work head without the need for special tools;
- It is equipped with torque amplification function, customizable length/width/thickness/center distance, etc.;



Model	Maximum Torque (N.m)	Applicable Scope AF (mm)	Input Drive Shaft D (Inch)	Tooth Drum Diameter (mm)	A (mm)	E (mm)	H (mm)	Weight (Kg)
ODSX01	1500	17-36	3/4" or 1"	60/75	120	32	68	3.0
ODSX02	3000	30-60	3/4" or 1"	75	140	36	68	3.5
ODSX04	6000	41-80	1" or 1-1/2"	88/95	160	46	82	4.5
ODSX08	12000	50-90	1-1/2"	122/139	180	57	100	6.3

HYDROTORC Offset Drives

Offset Drive



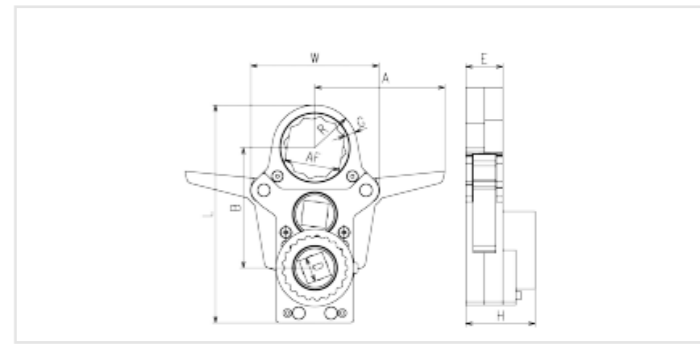
Synchronous drive



Application Cases



Dimensional Drawing



Detailed dimensions:

Model	OD01			OD02			OD04			OD08					
	W (mm)	R (mm)	G (mm)	Model	W (mm)	R (mm)	G (mm)	Model	W (mm)	R (mm)	G (mm)	Model	W (mm)	R (mm)	G (mm)
OD01-17	100	25	7	OD02-30	120	32	12	OD04-41	135	39	15	OD08-50	158	45	17
OD01-19	100	25	7	OD02-32	120	32	11	OD04-46	135	42	15	OD08-55	158	47	18
OD01-22	100	25	7	OD02-34	120	35	11	OD04-50	135	44	15	OD08-60	158	52	17
OD01-24	100	25	7	OD02-36	120	37	10	OD04-55	135	46	14	OD08-65	158	55	17
OD01-27	100	25	7	OD02-41	120	37	10	OD04-60	135	50	15	OD08-70	158	55	17
OD01-30	100	28	7	OD02-46	120	39	10	OD04-65	135	53	15	OD08-75	158	58	17
OD01-32	100	28	8	OD02-50	120	43	11	OD04-70	135	56	15	OD08-80	158	62	16
OD01-34	100	31	8	OD02-55	120	43	11	OD04-75	135	59	15	OD08-85	158	66	16
OD01-36	100	31	8	OD02-60	120	46	11	OD04-80	135	61	15	OD08-90	158	69	17

HYDROTORC Lightweight Torque Multiplier

- ❑ Precision planetary gear reduction mechanism is adopted with compact structure, which is sturdy and durable;
- ❑ Excellent transmission efficiency, multiple speed ratios, covering a torque range of 100-12,000Nm, with repeatability up to $\pm 3\%$;
- ❑ Mechanical damping system, improving operational convenience and safety;
- ❑ Capable of carrying multiple brand power tools, easily achieving precise torque control, and providing customized solutions for a series of overall tools;
- ❑ Capable of providing customized services for other specifications of transmission ratios;



Pneumatic Wrench



18V Brushless Lithium drill (or 36V)



230V Brushless Hammer Drill



Pneumatic Wrench



18V Brushless Lithium drill



230V Brushless Hammer Drill



Pneumatic Wrench



18V Brushless Lithium drill



230V Hammer Drill



Pneumatic Wrench



36V Lithium Drill



230V Hammer Drill



Lightweight Planetary Gearboxes

LPG07



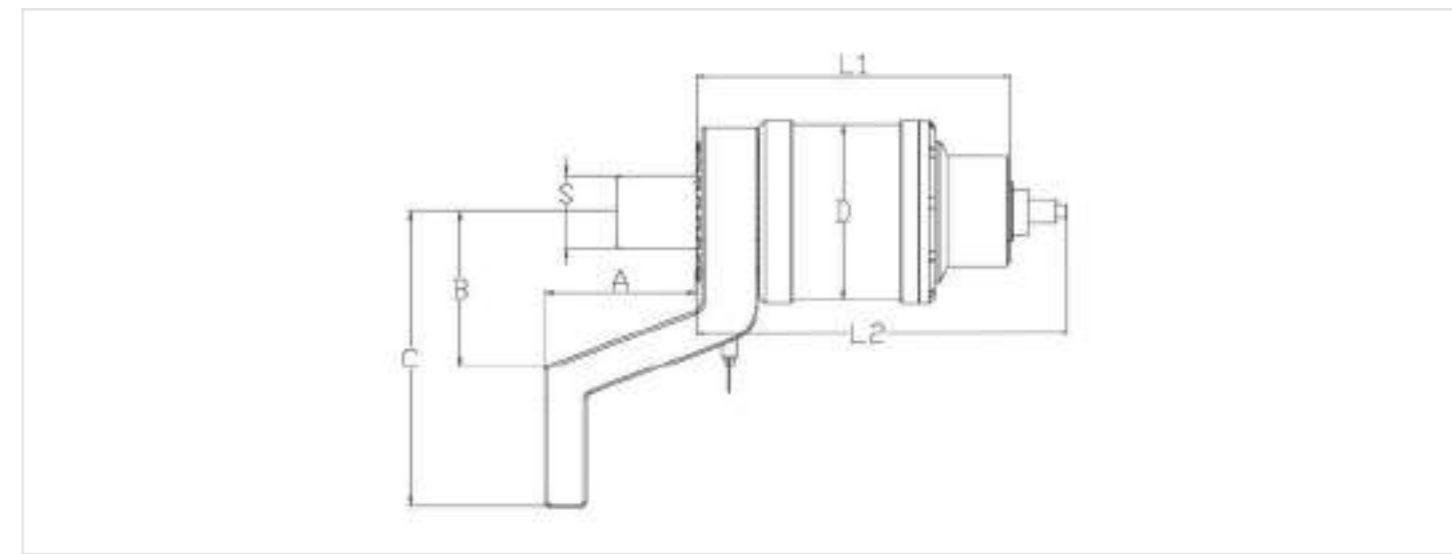
LPG25



LPG50

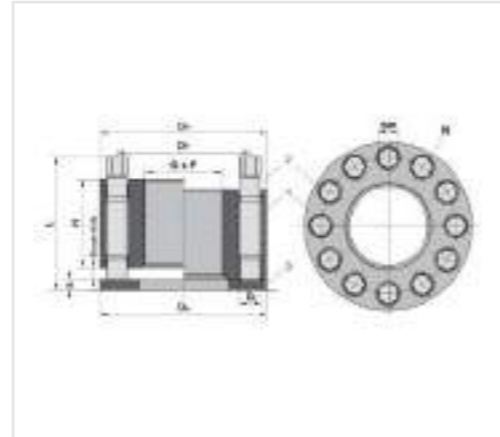


Model	Torque (N.m)	Input Square Drive S (Inch)	L1 (mm)	L2 (mm)	D (mm)	A (mm)	B (mm)	C (mm)	Weight (Kg)
LPG07	700	1/2"	130	162	60	34	47	100	2.1
LPG07	1200	3/4"	155	187	75	60	55	110	2.3
LPG07	2500	1"	181	213	75	70	75	150	3.6
LPG07	4000	1-1/2"	197	229	88	85	78	160	4.9
LPG07	5000	1-1/2"	213	245	96	85	78	160	6.0
LPG07	8000	1-1/2"	249	281	122	91	83	180	7.5
LPG07	10000	1-1/2"	249	281	122	91	83	180	7.6
LPG07	12000	1-1/2"	249	281	122	91	83	180	7.7



Hydrotorc Super Nuts

- Lightweight, small in size, and applicable for narrow spaces, which is economical and efficient;
- Load accuracy within the range of $\pm 5\%$;
- It is easy to operate, with pressure evenly distributed on the pressure ring, which is not easily deformed;
- Under load, the main bolt is free of wear and maintenance;
- Optional surface blackening or nickel plating treatment, corrosion resistance;
- It is applicable for various types of vibration, rapid rotation, and high force equipment, without loosening;



Model	Body Dimension (mm)				Pressure Bolt (mm)				Pressure Ring (mm)		L (mm)	Pre-tension Force (Kn)	
	G x P	D2	H	DT	Dj	N	SW	a	DS	S		Standard	Max
SNX16x2	M16 x 2	34	16	25	M6 x 0.75	4	5	6	32	3	33	73	94
SNX20x2.5	M20 x 2.5	38	16	29	M6 x 0.75	6	5	6	38	4	34	110	140
SNX22x2.5	M22 x 2.5	41	16	31	M6 x 0.75	6	5	6	41	4	34	110	140
SNX24x3	M24 x 3	44	16	33	M6 x 0.75	8	5	6	43	4	34	145	187
SNX27x3	M27 x 3	50	24	39	M8 x 1	6	6	6	50	5	45	214	285
SNX30x3.5	M30 x 3.5	53	24	42	M8 x 1	6	6	6	53	5	45	214	285
SNX33x3.5	M33 x 3.5	59	24	45	M8 x 1	8	6	6	59	5	45	285	380
SNX36x4	M36 x 4	66	32	51	M10 x 1.25	6	8	8	66	5	58	343	457
SNX39x4	M39 x 4	70	32	54	M10 x 1.25	8	8	8	70	5	58	457	610
SNX42x4.5	M42 x 4.5	75	32	57	M10 x 1.25	8	8	8	73	5	58	457	610
SNX45x4.5	M45 x 4.5	83	38	63	M12 x 1.25	8	10	10	81	6	68	700	935
SNX48x5	M48 x 5	85	38	66	M12 x 1.25	8	10	10	85	6	68	700	935
SNX52x5	M52 x 5	91	38	70	M12 x 1.25	8	10	10	90	6	68	700	935
SNX56x5.5	M56 x 5.5	98	38	74	M12 x 1.25	10	10	10	94	6	68	875	1160
SNX60x5.5	M60 x 5.5	102	38	78	M12 x 1.25	10	10	10	100	6	68	875	1160
SNX64x6	M64 x 6	113	53	87	M16 x 1.5	8	14	12	112	8	92	1270	1690
SNX68x6	M68 x 6	117	53	91	M16 x 1.5	8	14	12	117	8	92	1270	1690
SNX72x6	M72 x 6	120	56	95	M16 x 1.5	8	14	9	120	8	92	1270	1690
SNX76x6	M76 x 6	132	56	100	M16 x 1.5	12	14	9	127	8	92	1900	2530
SNX80x6	M80 x 6	132	56	103	M16 x 1.5	12	14	9	127	8	92	1900	2530
SNX85x6	M85 x 6	137	56	108	M16 x 1.5	12	14	9	137	8	92	1900	2530
SNX90x6	M90 x 6	145	59	113	M16 x 1.5	16	14	13	137	8	99	2530	3380
SNX100x6	M100 x 6	157	61	123	M16 x 1.5	16	14	11	151	10	101	2530	3380
SNX110x6	M110 x 6	177	79	139	M20 x 1.5	12	17	16	172	10	125	3150	4200
SNX120x6	M120 x 6	189	81	149	M20 x 1.5	16	17	14	179	10	125	4200	5600
SNX125x6	M125 x 6	194	81	154	M20 x 1.5	16	17	14	190	10	125	4200	5600
SNX130x6	M130 x 6	205	94	159	M20 x 1.5	18	17	16	202	10	140	4700	6300
SNX140x6	M140 x 6	215	94	169	M20 x 1.5	20	17	16	215	10	140	5250	7000
SNX150x6	M150 x 6	225	94	179	M20 x 1.5	20	17	16	225	12	142	5250	7000
SNX160x6	M160 x 6	234	107	189	M20 x 1.5	24	17	23	234	12	162	6300	8400

Hydrotorc Super Bolt / Nut Tightening Tools

- SNX series super nut tools, divided into pretightening tools and final tightening tools;
- Preload tool to ensure alignment of all positioning bolts and improve work efficiency;
- Final tightening tool that simultaneously applies accurate and uniform torque to all positioning bolts;
- The preload tool can be used in combination with any cordless/pneumatic ratchet wrench on the market;
- The final tightening tool can be combined with any of our company's fixed torque tools (can also be matched with other brands of tools), repeatability accuracy up to $\pm 5\%$;
- The Hydrotorc Super nut tools have been rigorously tested to achieve very high accuracy and reliability

Preload tools



Preload tools



Final tightening tools



Final tightening tools

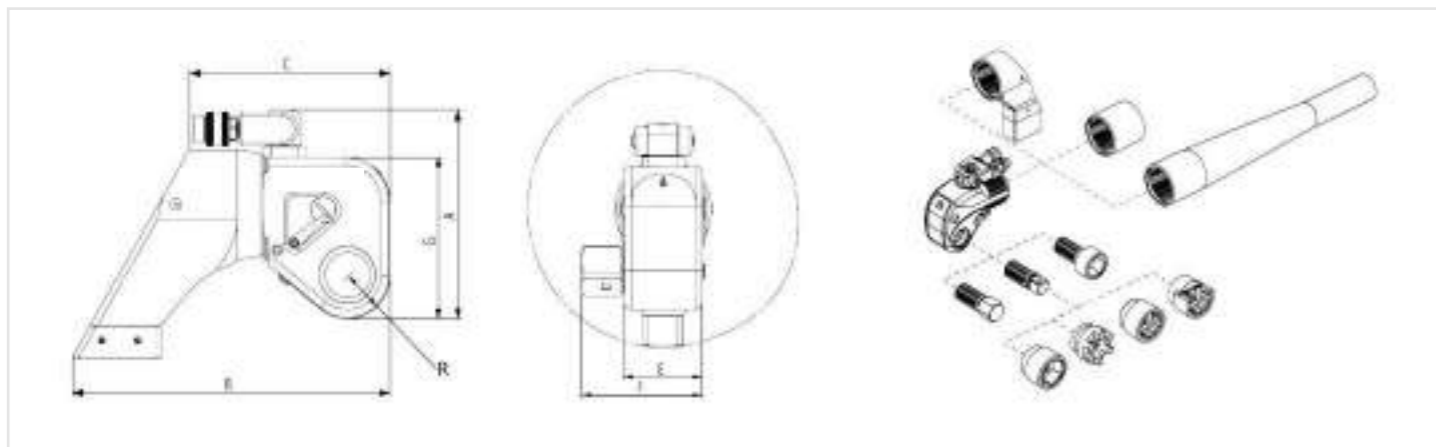


Square Drive Hydraulic Torque Wrenches

- 70Mpa Max working pressure and the accuracy keep within $\pm 3\%$; All together 12 models with the range from 110N.m to 140882N.m, which covers the most bolts size;
- The $360^\circ \times 180^\circ$ degree swivel is free to operation with no space limitation;
- The square drive operate with high intense socket and suitable with large range of bolts;
- 360 degree adjustable reaction arm allows placing in any support point;
- Compact design with raw material of advanced aluminum-titanium alloy, high intense;



Model	Min.Torque (N.m)	Max.Torque (N.m)	Drive Shaft (Inch)	A (mm)	B (mm)	C (mm)	R (mm)	E (mm)	F (mm)	G (mm)	Weight (Kg)
07MXT	110	1100	3/4	108.1	139.3	110.8	20.5	42	65.8	76.2	1.8
1MXT	188	1882	3/4	133	182	130	26	52	77	96	2.5
3MXT	447	4466	1	165	249	170	34	70	98	127	4.9
5MXT	746	7451	1-1/2	184	286	202	39	81	125	149	7.6
8MXT	1073	10732	1-1/2	207	326	228	47	90	134	172	11.2
10MXT	1536	15359	1-1/2	216	336	237	51	100	144	181	13.5
15MXT	2011	20108	2-1/2	241	391	273	55	110	164	206	20.8
20MXT	2639	26392	2-1/2	256	433	287	59	120	187	221	25.9
25MXT	3540	35397	2-1/2	293	464	323	67	138	206	258	34.4
35MXT	4874	48740	2-1/2	315	494	351	79	153	217	279	50
50MXT	7066	70660	2-1/2	326	528	376	81	162	226	291	85
100MXT	14088	140882	4	473	758	520	115	210	307	415	220



Complete set of required accessories:



Optional:



Usage Scenario:



Hollow Hydraulic Torque Wrenches

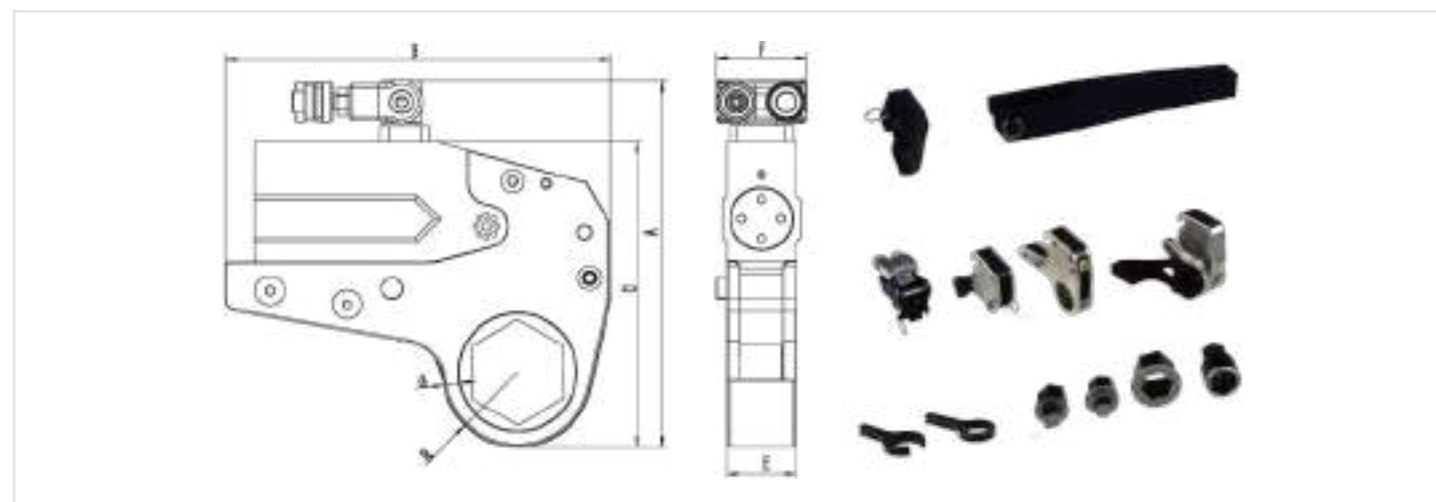
- 70Mpa Max working pressure and the accuracy keep within $\pm 3\%$;
- All together 6 models with the range from 230N.m to 44590N.m, which covers the most bolts size;
- The $360^\circ \times 180^\circ$ degree swivel is free to operation with no space limitation;
- Compact, lightweight, aluminum drive unit ;
- Low profile design for limited access applications Easily assembled to selected ratchet head ;
- Minimum radius cassette head for fitment in confined spaces ;



Hollow Hydraulic Torque Wrenches



Model	Min.torque (N.m)	Max.torque (N.m)	Hexagon Range (mm)	Power Head Weight (Kg)	Work Head Weight (Kg)	Dimension (mm)				
						A	B	C	E	F
2XLCT	230	2330	19-55	1	1.6	170.3	196	141.3	32	51
	242	2415	60			170.3	196	141.3	32	51
4XLCT	251	2510	34-36	2	4.4	216.8	246	189.8	42	66
	502	5020	41			216.8	246	189.8	42	66
	586	5860	46-65			216.8	302.5	189.8	42	66
	647	6475	70-80			216.8	302.5	189.8	42	66
8XLCT	1094	10945	41-95	3.3	8	259.8	302.5	235.3	53	83
	1177	11775	100-105			259.8	302.5	235.3	53	83
14XLCT	1852	18525	50-117	5.5	11.6	308.3	367	283.3	64	99
18XLCT	2640	26400	75-135	7	12.6	344.8	400.5	322.8	70	109
30XLCT	4188	41880	110-155	11.4	29	404	457.5	387	85	131
	4459	44590	160-175			404	457.5	387	85	131



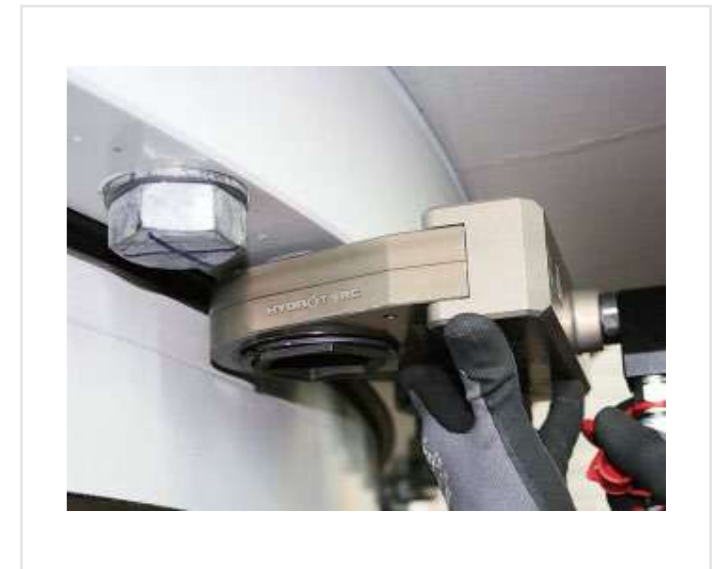
2XLCT			4XLCT			8XLCT			14XLCT			18XLCT			30XLCT		
Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G
2XL-19	27	16	4XL-34	36	16	8XL-41	46	22	14XL-50	60	31	18XL-65	66	28	30XL-85	78	28
2XL-22	27	14	4XL-36	36	15	8XL-46	46	19	14XL-55	60	28	18XL-70	66	26	30XL-90	78	28
2XL-27	27	11	4XL-41	39	15	8XL-50	46	17	14XL-60	60	25	18XL-75	69	26	30XL-95	83	28
2XL-30	29	12	4XL-46	42	15	8XL-55	50	18	14XL-65	60	22	18XL-80	69	23	30XL-100	83	25
2XL-32	29	11	4XL-50	44	15	8XL-60	52	17	14XL-70	60	19	18XL-85	74	25	30XL-105	89	28
2XL-34	31	11	4XL-55	46	14	8XL-65	55	17	14XL-75	63	19	18XL-90	74	22	30XL-110	89	25
2XL-36	31	10	4XL-60	50	15	8XL-70	58	17	14XL-80	66	19	18XL-95	78	23	30XL-115	95	28
2XL-41	34	10	4XL-65	53	15	8XL-75	60	17	14XL-85	69	19	18XL-100	78	20	30XL-117	95	27
2XL-46	37	10	4XL-70	56	15	8XL-80	63	16	14XL-90	72	20	18XL-105	83	22	30XL-120	95	25
2XL-50	40	11	4XL-75	59	15	8XL-85	66	16	14XL-95	74	19	18XL-110	83	20	30XL-125	101	29
2XL-55	43	11	4XL-80	61	15	8XL-90	69	17	14XL-100	77	19	18XL-115	89	23	30XL-130	101	26
2XL-60	46	11				8XL-95	71	16	14XL-105	80	19	18XL-117	89	21	30XL-135	104	26
						8XL-100	75	17	14XL-110	83	19	18XL-120	95	26	30XL-140	110	29
						8XL-105	78	17	14XL-115	87	20	18XL-125	95	23	30XL-145	110	26
									14XL-117	87	19	18XL-130	99	24	30XL-150	116	29
												18XL-135	99	21	30XL-155	116	26
															30XL-160	128	36
															30XL-165	128	33
															30XL-170	128	30
															30XL-175	128	27

Hydrotorc Super Thin Hydraulic Torque Wrenches

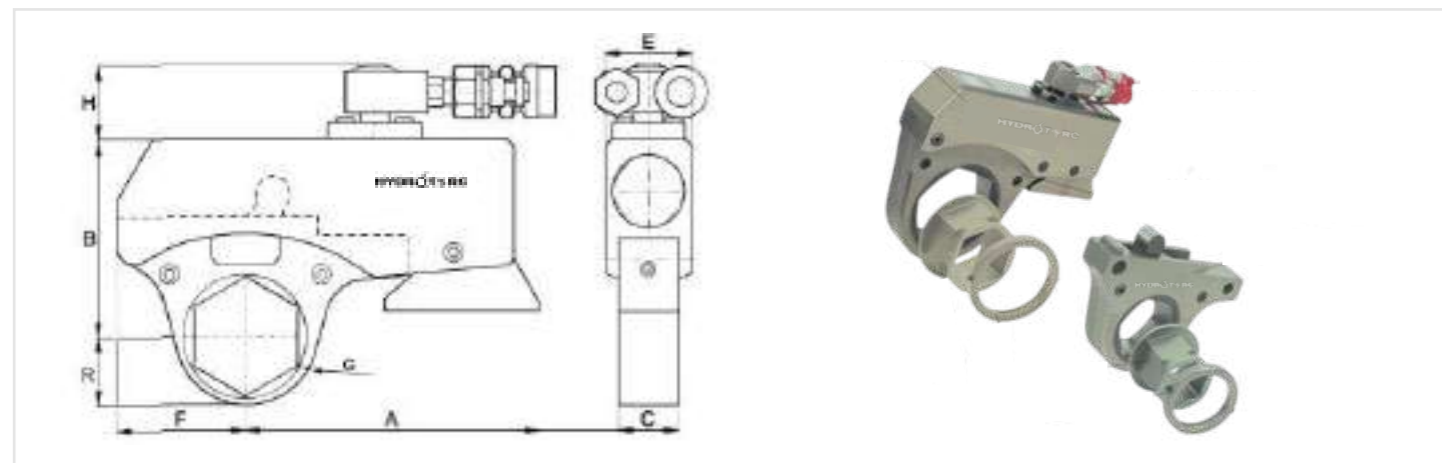
- 70Mpa Max working pressure and the accuracy keep within $\pm 3\%$;
- All together 11 models with the range from 303N.m to 180000N.m, which covers the most bolts size;
- Small dimensions and compact design for confined spaces;
- An integrated pressure relief valve ensures a safer working environment;
- Generously sized oil channels in device, provide minimal heating under continuous load;
- Various inserts available as an accessory, for flexible working;



Hydrotorc Super Thin Hydraulic Torque Wrenches



Model	Min. Torque (N.m)	Max. Torque (N.m)	Hexagon Range (mm)	Power Head Weight (Kg)	Work Head Weight (Kg)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)
3STX	203	2030	19-41	1.2	1.3	148	109	28	40	57
	303	3030	46-60		1.4	148	109	28	40	57
6STX	560	5600	41-65	2.2	1.5	168	127	35	50	83
	660	6600	70-80		1.7	168	127	35	50	83
10STX	986	9860	41-65	3.3	3.4	216	148	46	66	86
	1200	12000	70-95		3.8	216	148	46	66	86
20STX	1850	18500	70-95	5.5	5.8	282	191	56	82	86
	2000	20000	100-115		6.8	282	191	56	82	86
30STX	3000	30000	100-115	11.5	15.8	341	237	72	105	116
40STX	4000	40000	115-135	12.5	16.8	341	237	72	105	116
	4509	45090	135-155		17.5	341	237	72	105	116
60STX	6000	60000	115-165	13.8	18.9	374	265	88	130	131
70STX	7000	70000	130-180	30	32	365	278	91.8	135	149
90STX	9000	90000	145-210	36.8	41.6	382	275	102	150	174
130STX	13000	130000	160-230	42.5	45.6	431	299	119	175	190
160STX	16000	160000	185-255	66	72	482	415	142.8	210	205
180STX	18000	180000	200-285	95.5	102	550	440	160	235	218



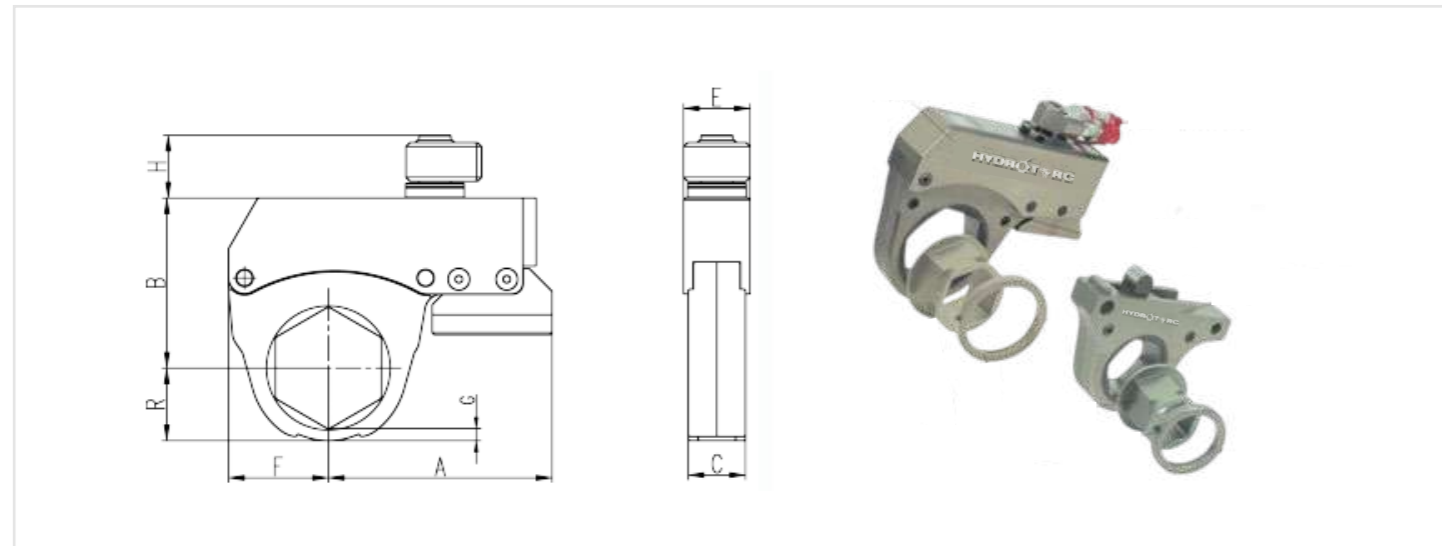
3SWT			6SWT			10SWT			20SWT			30SWT			40SWT		
Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G
3TS-19	27	16	6TS-34	36	16	10TS-41	46	22	20TS-50	60	31	30TS65	66	28	40TS-85	78	28
3TS-22	27	14	6TS-36	36	15	10TS-46	46	19	20TS-50	60	28	30TS70	66	26	40TS-85	78	28
3TS-27	27	11	6TS-41	39	15	10TS-50	46	17	20TS-50	60	25	30TS75	69	26	40TS-85	83	28
3TS-30	29	12	6TS-46	42	15	10TS-55	50	18	20TS-50	60	22	30TS80	69	23	40TS-85	83	25
3TS-32	29	11	6TS-50	44	15	10TS-60	52	17	20TS-50	60	19	30TS85	74	25	40TS-85	89	28
3TS-34	31	11	6TS-55	46	14	10TS-65	55	17	20TS-50	63	19	30TS90	74	22	40TS-85	89	25
3TS-36	31	10	6TS-60	50	15	10TS-70	58	17	20TS-50	66	19	30TS95	78	23	40TS-85	95	28
3TS-41	34	10	6TS-65	53	15	10TS-75	60	17	20TS-50	69	19	30TS100	78	20	40TS-85	95	27
3TS-46	37	10	6TS-70	56	15	10TS-80	63	16	20TS-50	72	20	30TS105	83	22	40TS-85	95	25
3TS-50	40	11	6TS-75	59	15	10TS-85	66	16	20TS-50	74	19	30TS110	83	20	40TS-85	101	29
3TS-55	43	11	6TS-80	61	15	10TS-90	69	17	20TS-50	77	19	30TS115	89	23	40TS-85	101	26
3TS-60	46	11				10TS-95	71	16	20TS-50	80	19	30TS117	89	21	40TS-85	104	26
						10TS-100	75	17	20TS-50	83	19	30TS120	95	26	40TS-85	110	29
						10TS-100	78	17	20TS-50	87	20	30TS125	95	23	40TS-85	110	26
									20TS-50	87	19	30TS130	99	24	40TS-85	116	29
												30TS135	99	21	40TS-85	116	26
															40TS-85	128	36
															40TS-85	128	33
															40TS-85	128	30
															40TS-85	128	27

Super Thin Notch Hydraulic Torque Wrenches

- 70Mpa Max working pressure and the accuracy keep within $\pm 3\%$;
- Small dimensions and compact design for confined spaces;
- An integrated pressure relief valve ensures a safer working environment;
- Generously sized oil channels in device, provide minimal heating under continuous load;
- Various inserts available as an accessory, for flexible working;
- Unique notch design, suitable for working conditions with small clearances such as blowout preventers, Christmas trees, valves, etc;



Model	Min.Torque (N.m)	Max.Torque (N.m)	Hexagon Power (Kg)	Power Head Weight (Kg)	Work Head Weight (Kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
3STNX	203	2030	19-41	1.2	1.3	148	109	28	40	57
	303	3030	46-60		1.4	148	109	28	40	57
6STNX	560	5600	41-65	2.2	1.5	168	127	35	50	83
	660	6600	70-80		1.7	168	127	35	50	83
10STNX	986	9860	41-65	3.3	3.4	216	148	46	66	86
	1200	12000	70-95		3.8	216	148	46	66	86
20STNX	1850	18500	70-95	5.5	5.8	282	191	56	82	86
	2000	20000	100-115		6.8	282	191	56	82	86
30STNX	3000	30000	100-115	11.5	15.8	341	237	72	105	116
40STNX	4000	40000	115-135	12.5	16.8	341	237	72	105	116
	4509	45090	135-155		17.5	341	237	72	105	116
60STNX	6000	60000	115-165	13.8	18.9	374	265	88	130	131
70STNX	7000	70000	130-180	30	32	365	278	91.8	135	149
90STNX	9000	90000	145-210	36.8	41.6	382	275	102	150	174



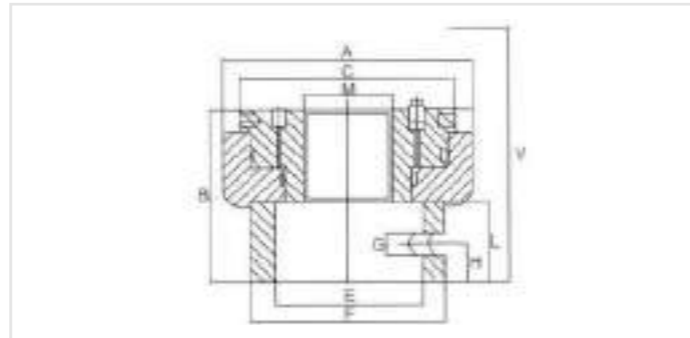
Super Thin Hydraulic Torque Wrenches



3SGT			6SGT			10SGT			20SGT			30SGT			40SGT		
Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G	Work Head Model	R	G
3SG-19	24	13	6SG-34	33	13	10SG-41	42	18	20SG-50	56	27	30SG--65	60	22	40SG-85	72	22
3SG-22	24	11	6SG-36	33	12	10SG-46	42	15	20SG-55	56	24	30SG--70	60	20	40SG-90	72	22
3SG-27	24	8	6SG-41	36	12	10SG-50	42	13	20SG-60	56	21	30SG--75	63	20	40SG-95	77	22
3SG-30	26	9	6SG-46	39	12	10SG-55	46	14	20SG-65	56	18	30SG--80	63	17	40SG-100	77	19
3SG-32	26	8	6SG-50	41	12	10SG-60	48	13	20SG-70	56	15	30SG--85	68	19	40SG-105	83	22
3SG-34	28	8	6SG-55	43	11	10SG-65	51	13	20SG-75	59	15	30SG--90	68	16	40SG-110	83	19
3SG-36	28	7	6SG-60	47	12	10SG-70	54	13	20SG-80	62	15	30SG--95	72	17	40SG-115	89	22
3SG-41	31	7	6SG-65	50	12	10SG-75	56	13	20SG-85	65	15	30SG--100	72	14	40SG-117	89	21
3SG-46	34	7	6SG-70	53	12	10SG-80	59	12	20SG-90	68	16	30SG--105	77	16	40SG-120	89	19
3SG-50	37	8	6SG-75	56	12	10SG-85	62	12	20SG-95	70	15	30SG--110	77	14	40SG-125	95	23
3SG-55	40	8	6SG-80	58	12	10SG-90	65	13	20SG-100	73	15	30SG--115	83	17	40SG-130	95	20
3SG-60	43	8				10SG-95	67	12	20SG-105	76	15	30SG--117	83	15	40SG-135	98	20
						10SG-100	71	13	20SG-110	79	15	30SG--120	89	20	40SG-140	104	23
						10SG-105	74	13	20SG-115	83	16	30SG--125	89	17	40SG-145	104	20
									20SG-117	83	15	30SG--130	93	18	40SG-150	110	23
												30SG--135	93	15	40SG-155	110	20
															40SG-160	122	30
															40SG-165	122	27
															40SG-170	122	24
															40SG-175	122	21

Gravity Return Hydraulic Tensioners

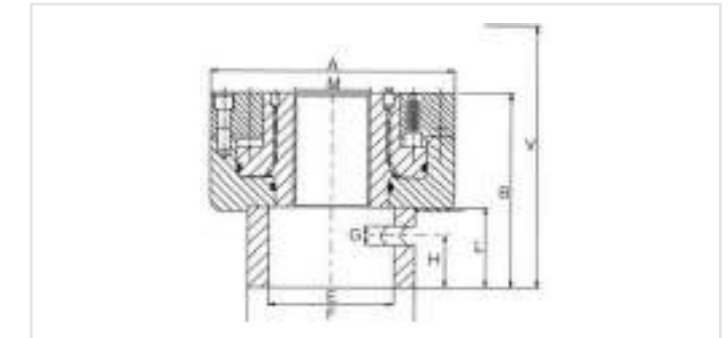
- Single acting design with manual piston retraction;
- High grade alloy steel construction;
- Maximum piston stroke indicator;
- Dual quick connect couplings for easy connection;
- Designed to fit most sizes of ANSI and API flanges and some Compact flanges;
- Interchangeable accessories to cover multiple stud bolt sizes using same tensioner;
- Customised and special design tensioners are available on request;



Model	Bolt Diameter		Max. Load (Kn)	Area (mm ²)	Dimension(mm)								Stroke (mm)
	(M)	(Inch)			A	B	C	E	F	G	H	L	
GRTX18	M18	3/4"	188	1256	70	75	65	45	60	6	8	29	8
GRTX24	M24	1"	225	1500	80	75	70	50	68	6	10	35	8
GRTX27	M27	1-1/8"	286	1906	90	87	80	55	75	8	13	38	8
GRTX30	M30	1-1/4"	319	2125	95	87	85	59	79	8	16	42	8
GRTX36	M36	1-3/8"	427	2845	105	90	95	62	82	8	20	45	8
GRTX39	M39	1-1/2"	530	3532	110	90	100	70	88	10	22	45	8
GRTX42	M42	1-5/8"	639	4262	118	90	100	72	90	10	28	45	8
GRTX48	M48	1-7/8"	801	5341	130	100	115	80	102	10	32	51	8
GRTX56	M56	2-1/4"	1087	7245	155	115	130	95	120	12	34	60	8
GRTX64	M64	2-1/2"	1523	10151	178	130	150	107	136	12	43	67	10
GRTX72	M72	2-3/4"	2029	13528	205	150	170	120	152	14	48	11	10
GRTX80	M80	3-1/8"	2392	15944	220	165	190	135	172	14	53	85	10
GRTX90	M90	3-5/8"	3355	22364	260	185	220	153	195	20	60	95	10
GRTX100	M100	4"	3393	22619	270	205	230	165	210	20	67	105	10
GRTX105	M105	4-1/8"	4243	28287	280	215	240	175	220	20	70	110	10
GRTX110	M110	4-3/8"	4712	31416	300	225	260	180	230	20	73	115	10
GRTX125	M125	5"	5832	38877	340	255	290	205	260	25	83	130	10
GRTX140	M140	5-1/2"	7069	47124	380	285	320	230	290	30	90	145	10
GRTX150	M150	6"	8423	56156	420	310	240	247	302	30	100	157	12
GRTX160	M160	6-1/2"	9312	62080	430	320	360	255	315	35	107	167	12

Spring Return Hydraulic Tensioners

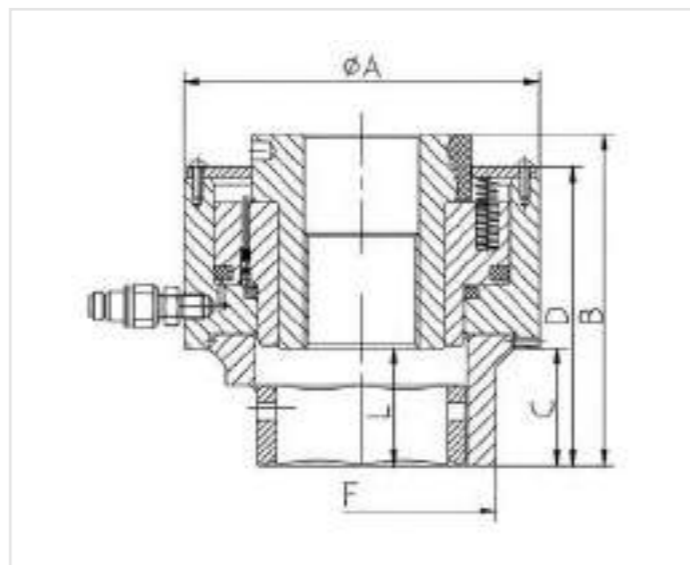
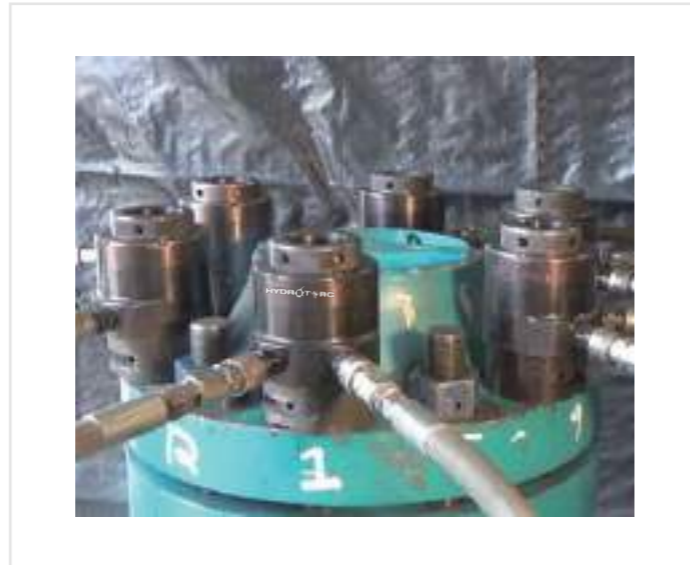
- Single acting design with spring assisted return;
- High grade alloy steel construction;
- Maximum piston stroke indicator;
- Dual quick connect couplings for easy connection;
- Designed to fit most sizes of ANSI and API flanges and some Compact flanges;
- Interchangeable accessories to cover multiple stud bolt sizes using same tensioner;
- Customised and special design tensioners are available on request;



Model	Bolt Diameter		Max. Load (Kn)	Area (mm ²)	Dimension(mm)								Stroke (mm)
	(M)	(Inch)			A	B	C	E	F	G	H	L	
SRTX18	M18	3/4"	188	1256	70	75	65	45	60	6	8	29	8
SRTX24	M24	1"	225	1500	80	75	70	50	68	6	10	35	8
SRTX27	M27	1-1/8"	286	1906	90	87	80	55	75	8	13	38	8
SRTX30	M30	1-1/4"	319	2125	95	87	85	59	79	8	16	42	8
SRTX36	M36	1-3/8"	427	2845	105	90	95	62	82	8	20	45	8
SRTX39	M39	1-1/2"	530	3532	110	90	100	70	88	10	22	45	8
SRTX42	M42	1-5/8"	639	4262	118	90	100	72	90	10	28	45	8
SRTX48	M48	1-7/8"	801	5341	130	100	115	80	102	10	32	51	8
SRTX56	M56	2-1/4"	1087	7245	155	115	130	95	120	12	34	60	8
SRTX64	M64	2-1/2"	1523	10151	178	130	150	107	136	12	43	67	10
SRTX72	M72	2-3/4"	2029	13528	205	150	170	120	152	14	48	11	10
SRTX80	M80	3-1/8"	2392	15944	220	165	190	135	172	14	53	85	10
SRTX90	M90	3-5/8"	3355	22364	260	185	220	153	195	20	60	95	10
SRTX100	M100	4"	3393	22619	270	205	230	165	210	20	67	105	10
SRTX105	M105	4-1/8"	4243	28287	280	215	240	175	220	20	70	110	10
SRTX110	M110	4-3/8"	4712	31416	300	225	260	180	230	20	73	115	10
SRTX125	M125	5"	5832	38877	340	255	290	205	260	25	83	130	10
SRTX140	M140	5-1/2"	7069	47124	380	285	320	230	290	30	90	145	10
SRTX150	M150	6"	8423	56156	420	310	240	247	302	30	100	157	12
SRTX160	M160	6-1/2"	9312	62080	430	320	360	255	315	35	107	167	12

Interchange Hydraulic Tensioners

- Single acting design with manual piston retraction;
- High grade alloy steel construction;
- Maximum piston stroke indicator;
- Dual quick connect couplings for easy connection;
- Designed to fit most sizes of ANSI and API flanges and some Compact flanges;
- Interchangeable accessories to cover multiple stud bolt sizes using same tensioner;
- Customised and special design tensioners are available on request;



Interchange Hydraulic Tensioners

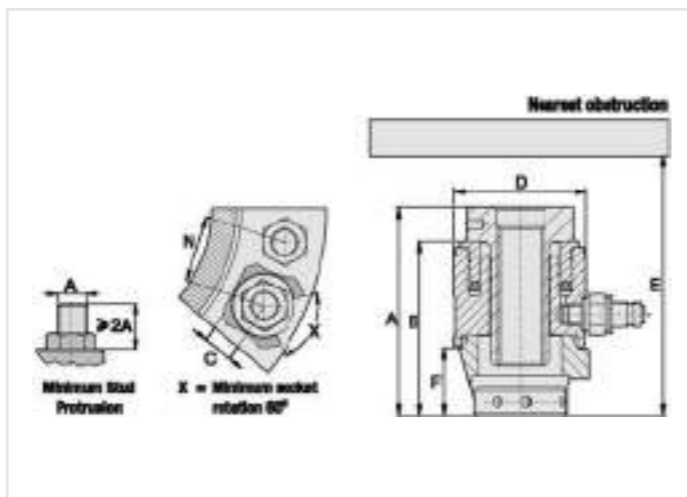
Model	Bolt Diameter (M)	Max. Load (Kn)	Dimension(mm)						Weight (Kg)	Stroke (mm)
			A	B	C	D	L	F		
ICTX0	M20	307	109	128	25	111	23	55	5	8
	M22			130	27	113	25	59		
	M24			132	29	115	27	66		
	M27			135	32	118	30	72		
ICTX1	M30	530	109	144	35	126	35	80	5	8
	M33			147	38	129	38	85		
ICTX1A	M30	486	109	144	35	126	35	80	7	8
	M33			147	38	129	38	85		
	M36			147	38	129	38	90		
ICTX2	M33	814	307	146	40	131	37	85	10	10
	M36			149	43	134	43	96		
	M39			154	47	139	43	98		
	M42			156	50	141	54	110		
ICTX3	M39	989	132	150	42	136	40	110	15	10
	M42			152	44	138	44	113		
	M45			161	50	144	50	114		
ICTX4	M48	1413	174	163	52	146	52	118	20	10
	M48			174		145		132		
	M52			178	59	154	55	135		
	M56			179		158		135		
ICTX5	M56	1649	198	179	60	161	60	135	25	10
	M60			183	64	165	64	143		
	M64			184	65	166	65	150		
ICTX6	M68	2131	222	193	72	175	72	158	35	10
	M72			207.5	76	184.5	75.5	165		
	M76			211.5	80	188.5	80	170		
ICTX7	M76	2544	252	221	80	194	80	170	50	12
	M80			226.5	85	199	85	175		
	M85			226.5	85	199	76.5	190		
	M90			235.5	94	208	95	205		
ISHT8	M95	3101	282	247	104.5	218	100	215	65	12
	M100			252	109.5	223	105	235		
ISHT9	M105	3792	318	242	98	212	93	225	85	12
	M110			264	120	234	115	235		
	M115			269	125	239	120	260		
ISHT10	M115	4900	360	297	120	261	120	260	110	12
	M120			302	125	266	125	270		
	M125			307	140	271	130	272		
ISHT11	M130	6255	408	312	135	276	135	285	130	12
	M135			317	140	281	140	292		
	M140			322	145	286	155	300		
ISHT12	M145	8423	456	332	155	296	165	312	150	12
	M145			337	150	301	150	312		
	M150			342	155	306	165	340		
	M160			352	165	316	165	350		

Interchange Hydraulic Tensioners(Gravity Return)

- Seven load cells from M16 to M105 or from 5/8" to 4";
- Twin ports for quick connection of multiple tools;
- Only one size of bridge per size of load cell;
- Detachable and rotational bridge simplifies tool positioning;
- Full bridge window – increased access to socket;
- Captive socket – eliminates falling object risk;
- Piston stroke indicator;
- Black surface treatment protects against corrosion;
- Anti-slip grip for more secure handling;

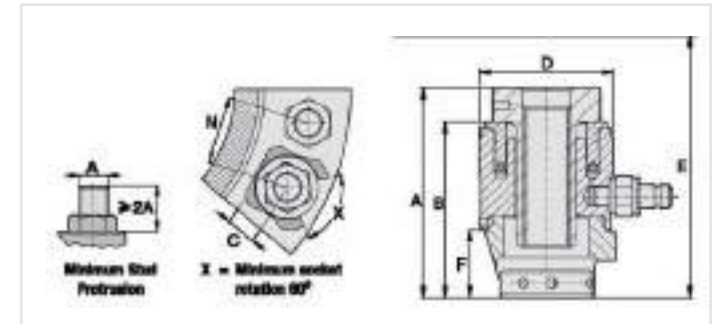


Load Cell * and Bridge Model Number	Thread Size	Adaptor Kit Model Number	Cylinder Effective Area (mm ²)	Maximum Load Capacity (Kn)	Dimensions(mm)							Load Cell and Bridge Weht (Kg)	Adaptor Kit Weht (Kg)
					A	B	C	D	E Min.	F	N Min.		
IGHT1-LCB	M16 x 2	HT1-01620	1495.4	224.3	135	113	27	86	243	44	57	3.0	1.6
	M18 x 2.5	HT1-01825	1495.4	224.3	135	113	27	86	243	44	58	3.0	1.5
	M20 x 2.5	HT1-02025	1495.4	224.3	135	113	27	86	243	44	59	3.0	1.4
	M24 x 3	HT1-02430	1495.4	224.3	135	113	27	86	243	44	61	3.0	1.3
	M27 x 3	HT1-02730	1495.4	224.3	135	113	27	86	243	44	64	3.0	1.2
	M30 x 3.5	HT1-03035	1495.4	224.3	135	113	27	86	243	44	66	3.0	1.0
	5/8"- 11un	HT1P-0625U11	1495.4	224.3	135	113	27	86	243	44	57	3.0	1.6
	3/4"- 10un	HT1P-0750U10	1495.4	224.3	135	113	27	86	243	44	59	3.0	1.4
	7/8"- 9un	HT1P-0875U09	1495.4	224.3	135	113	27	86	243	44	62	3.0	1.3
	1"- 8un	HT1P-1000U08	1495.4	224.3	135	113	27	86	243	44	64	3.0	1.2
IGHT2-LCB	1 1/8"- 8un	HT1P-1125U08	1495.4	224.3	135	113	27	86	243	44	66	3.0	1.0
	M30 x 3.5	HT2-03035	2677.2	401.5	136	111	35	107	226	41	75	4.1	2.6
	M33 x 3.5	HT2-03335	2677.2	401.5	136	111	35	107	226	41	76	4.1	2.4
	M36 x 4	HT2-03640	2677.2	401.5	136	111	35	107	226	41	79	4.1	2.2
	M39 x 4	HT2-03940	2677.2	401.5	136	111	35	107	226	41	82	4.1	1.9
	1 1/8"- 8un	HT2P-1125U08	2677.2	401.5	136	111	35	107	226	41	74	4.1	2.6
	1 1/4"- 8un	HT2P-1250U08	2677.2	401.5	136	111	35	107	226	41	76	4.1	2.4
	1 3/8"- 8un	HT2P-1375U08	2677.2	401.5	136	111	35	107	226	41	79	4.1	2.2
	1 1/2"- 8un	HT2P-1500U08	2677.2	401.5	136	111	35	107	226	41	82	4.1	2.0



Interchange Hydraulic Tensioners(Gravity Return)

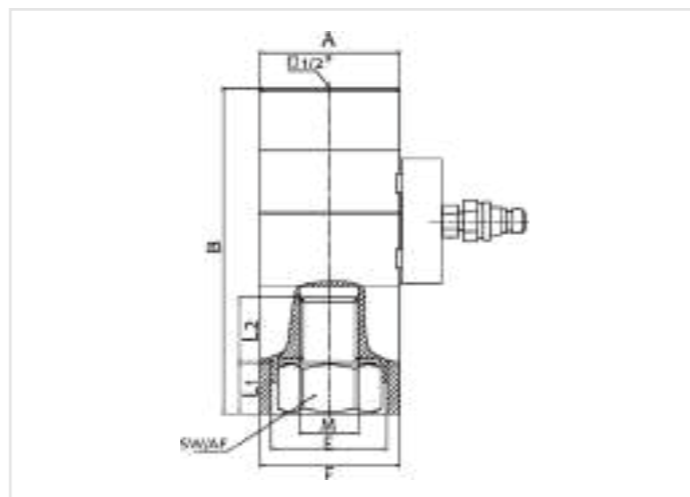
Load Cell * and Bridge Model Number	Thread Size	Adaptor Kit Model Number	Cylinder Effective Area (mm ²)	Maximum Load Capacity (Kn)	Dimensions(mm)							Load Cell and Bridge Weht (kg)	Adaptor Kit Weht (kg)	
					A	B	C	D	E Min.	F	N Min.			
IGHT3-LCB	M39 x 4	HT3-03940	5127.1	768.9	160	126	46	138	256	56	96	7.0	5.7	
	M42 x 4.5	HT3-04245	5127.1	768.9	160	126	46	138	256	56	98	7.0	5.4	
	M45 x 4.5	04545 HT3-	5127.1	768.9	160	126	46	138	256	56	101	7.0	5.0	
	M48 x 5	04850 HT3-	5127.1	768.9	160	126	46	138	256	56	104	7.0	4.7	
	M52 x 5	05250 HT3P-	5127.1	768.9	160	126	46	138	256	56	107	7.0	4.2	
	1 1/2"- 8un	1500U08 HT3P-	5127.1	768.9	160	126	46	138	256	56	95	7.0	5.7	
	1 5/8"- 8un	1625U08 HT3P-	5127.1	768.9	160	126	46	138	256	56	98	7.0	5.3	
	1 3/4"- 8un	1750U08 HT3P-	5127.1	768.9	160	126	46	138	256	56	101	7.0	5.0	
	1 7/8"- 8un	1875U08 HT3P-	5127.1	768.9	160	126	46	138	256	56	104	7.0	4.6	
	2"- 8un	2000U08	5127.1	768.9	160	126	46	138	256	56	106	7.0	4.2	
IGHT4-LCB	M52 x 5	HT4-05250	9782.1	1466.9	180	141	62	174	281	71	121	12.2	10.7	
	M56 x 5.5	HT4-05655	9782.1	1466.9	180	141	62	174	281	71	124	12.2	10.1	
	M60 x 5.5	06055 HT4-	9782.1	1466.9	180	141	62	174	281	71	127	12.2	9.4	
	M64 x 6	06460 HT4-	9782.1	1466.9	180	141	62	174	281	71	129	12.2	8.8	
	M68 x 6	06860 HT4P-	9782.1	1466.9	180	141	62	174	281	71	132	12.2	8.1	
	2"- 8un	2000U08 HT4P-	9782.1	1466.9	180	141	62	174	281	71	120	12.2	10.7	
	2 3/4"- 8un	2250U08 HT4P-	9782.1	1466.9	180	141	62	174	281	71	126	12.2	9.7	
	2 1/2"- 8un	2500U08	9782.1	1466.9	180	141	62	174	281	71	132	12.2	8.5	
	IGHT5-LCB	M68 x 6	HT5-06860	15079.7	2261.4	202	157	78	210	302	86	148	18.7	17.3
		M72 x 6	HT5-07260	15079.7	2261.4	202	157	78	210	302	86	149	18.7	16.4
M76 x 6		07660 HT5-	15079.7	2261.4	202	157	78	210	302	86	152	18.7	15.5	
M80 x 6		08060 HT5P-	15079.7	2261.4	202	157	78	210	302	86	155	18.7	14.6	
2 1/2"- 8un		2500U08 HT5P-	15079.7	2261.4	202	157	78	210	302	86	148	18.7	17.8	
2 3/4"- 8un		2750U08 HT5P-	15079.7	2261.4	202	157	78	210	302	86	153	18.7	16.3	
IGHT6-LCB	3"- 8un	3000U08 HT5P-	15079.7	2261.4	202	157	78	210	302	86	158	18.7	14.8	
	3 1/4"- 8un	3250U08	15079.7	2261.4	202	157	78	210	302	86	161	18.7	13.1	
	M80 x 6	HT6-08060	18972.1	2845.1	219	173	82	240	323	95	167	27.8	22.3	
	M85 x 6	HT6-08560	18972.1	2845.1	219	173	82	240	323	95	170	27.8	21.0	
	M90 x 6	09060 HT6-	18972.1	2845.1	219	173	82	240	323	95	175	27.8	19.4	
	M95 x 6	09560 HT6P-	18972.1	2845.1	219	173	82	240	323	95	179	27.8	18.0	
IGHT7-LCB	3 3/4"- 8un	3250U08 HT6P-	18972.1	2845.1	219	173	82	240	323	95	173	27.8	20.7	
	3 1/2"- 8un	3500U08 HT6P-	18972.1	2845.1	219	173	82	240	323	95	181	27.8	18.8	
	3 3/4"- 8un	3750U08	18972.1	2845.1	219	173	82	240	323	95	188	27.8	16.8	
	M100 x 6	HT7-10060	26389.4	3958.4	243	182	89	277	332	110	196	38.2	28.5	
	M105 x 6	HT7-10560	26389.4	3958.4	243	182	89	277	332	110	199	38.2	27.3	
	4"- 8un	HT7P-4000U08	26389.4	3958.4	243	182	89	277	332	110	204	38.2	27.3	



Multi Stage (wind power) Hydraulic Tensioners

- DSH-Series Bolt Tensioners are designed for critical fastening applications in wind, steam and gas turbines;
- DSH-Series Bolt Tensioners are loaded with performance enhancing features such as Auto-Retract Pistons, Cycle Counters and a premium coating to offer the ultimate in efficiency, durability and ease of use;
- Auto-retract piston: Simplifies use and improves speed of operation;
- Long-life puller: For maximum durability;
- Long-life seals: For maximum durability and extended service life intervals;
- Over-stroke indicator: Extends cylinder life by helping to prevent over-stroking of cylinder;
- Optional counter: Helps indicate when maintenance is due to maximize uptime;

Model	Bolt Diameter		Max. Load (Kn)	Dimension(mm)						Weight (Kg)	Stroke (mm)
	(M)	(Inch)		A	B	L1	L2	E	F		
MSWX24	M24	1"	350	184	184	22	33	44	60	60	8
MSWX27	M27	1-1/8"	475	190	190	25	37	56	65	65	10
MSWX30	M30	1-1/8"	578	205	205	28	44	62	74	74	10
MSWX33	M33	1-1/4"	713	237	237	31	46	67	80	80	10
MSWX36	M36	1-3/8"	844	220	220	34	49	72	90	90	10
MSWX39	M39	1-1/2"	1000	248	248	37	54	78	96	96	10
MSWX42	M42	1-5/8"	1160	253	253	40	57	84	96	96	10
MSWX45	M45	1-3/4"	1350	257	257	43	60	90	110	110	10
MSWX48	M48	1-7/8"	1525	261	261	45	62	95	118	118	10
MSWX52	M52	2"	1813	267	267	49	66	103	120	120	10
MSWX56	M56	2-1/4"	2094	290	290	53	70	107	131	131	10
MSWX60	M60	2-3/8"	2513	328	328	55	74	115	138	138	10
MSWX64	M64	2-1/2"	2763	331	331	59	78	121	148	148	10
MSWX68	M68	2-3/4"	3325	345	345	62	80	127	157	157	10
MSWX72	M72	2-7/8"	3500	360	360	65	85	131	168	168	10



Special Hydraulic Tensioner Project Case

Non-Standard Project Cases

Quadruple Hydraulic Bolt Tensioner



Multi Synchronous Hydraulic Tensioner



Hydraulic Tensioner For Cylinder Head



Bearing Seat Hydraulic Tensioner



Hydraulic Tensioner (With Displacement Sensor)



PLC Controlled Intelligent Hydraulic Tensioner



General Purpose Hydraulic Cylinders (Single-Acting)

- ▶ Bearing system with composite wear bands for optimal sideload resistance ;
- ▶ Strengthened stop ring improves durability and side load resistance ;
- ▶ Pre-tensioned spring system provides faster retraction ;
- ▶ High-grade polyethylene seals for low wear and long service life ;
- ▶ Plunger wiper reduces contamination, extending cylinder life ;
- ▶ Collar and plunger threads and base mounting holes enable easy fixturing (on most models) ;
- ▶ Baked enamel finish for increased corrosion resistance ; Includes 232-3/8 coupler, dust cap and collar thread protector ;



Optional Accessories

Accessories	Flat Saddles	Grooved Saddles	Tilt Saddles	Base Pate	Mounting Block	Base Clevis Eyes	Plunger Clevis Eyes
Capacity Ton (Kn)							
5 (45)	A-53 2	A-53G 2	-	-	AW-51, AW-53 2	REB-5 2	REP-5 2
10 (101)	A-12, A-102F 3	A-102G 3	CAT-10 3)	JB1-10	RB-10, AW-102	REB-10	REP-10 3
15 (142)	-	A-152G	CAT-10	-	RB-15	REB-15	REP-15
25 (232)	A-29	A-252G	CAT-50	JB1-25	RB-25	REB-25	REP-25
30 (295)	A-29	A-252G	CAT-50	-	RB-25	-	-
50 (498)	-	-	CAT-100	JB1-50	-	-	-
75 (718)	-	-	CAT-100	-	-	-	-
95 (933)	-	-	CAT-100	-	-	-	-

Model	Capacity Class (Ton)	Oil Capacity (cm ³)	Stroke (mm)	Collapsed Height (mm)	Outside Diameter (mm)	Inside Diameter (mm)	Spindle Diameter (mm)	External Thread (mm)	Thread Length (mm)	Weight (Kg)
RCX-50	5	10	16	41	38	28.7	25.4	1-1/2"	28	1
RCX-51		16	25	110	38	28.7	25.4	1-1/2"	28	1
RCX-53		50	76	165	38	28.7	25.4	1-1/2"	28	1.5
RCX-55		83	127	215	38	28.7	25.4	1-1/2"	28	1.9
RCX-57		115	177	273	38	28.7	25.4	1-1/2"	28	2.4
RCX-59	151	232	323	38	28.7	25.4	1-1/2"	28	2.8	
RCX-101	10	38	26	89	57	42.9	38.1	2-1/4"	26	1.8
RCX-102		78	54	121	57	42.9	38.1	2-1/4"	28	2.3
RCX-104		152	105	171	57	42.9	38.1	2-1/4"	26	3.3
RCX-106		226	156	247	57	42.9	38.1	2-1/4"	28	4.4
RCX-108		294	203	298	57	42.9	38.1	2-1/4"	26	5.4
RCX-1010		373	257	349	57	42.9	38.1	2-1/4"	28	6.4
RCX-1012		441	304	400	57	42.9	38.1	2-1/4"	26	6.8
RCX-1014	516	356	450	57	42.9	38.1	2-1/4"	26	8.2	
RCX-151	15	51	25	124	69	50.8	41.4	2-3/4"	30	3.3
RCX-152		104	51	149	69	50.8	41.4	2-3/4"	30	4.1
RCX-154		205	101	200	69	50.8	41.4	2-3/4"	30	5
RCX-156		308	152	271	69	50.8	41.4	2-3/4"	30	6.8
RCX-158		411	203	322	69	50.8	41.4	2-3/4"	30	8.2
RCX-1510		516	254	373	69	50.8	41.4	2-3/4"	30	9.5
RCX-1512		619	305	423	69	50.8	41.4	2-3/4"	30	10.9
RCX-1514	723	356	474	69	50.8	41.4	2-3/4"	30	11.8	
RCX-251	25	86	26	139	85	65	57.2	3-5/16"	49	5.9
RCX-252		166	50	165	85	65	57.2	3-5/16"	49	6.4
RCX-254		339	102	215	85	65	57.2	3-5/16"	49	8.2
RCX-256		525	158	273	85	65	57.2	3-5/16"	49	10
RCX-258		697	210	323	85	65	57.2	3-5/16"	49	12.2
RCX-2510		867	261	374	85	65	57.2	3-5/16"	49	14.1
RCX-2512		1033	311	425	85	65	57.2	3-5/16"	49	16.3
RCX-2514	1202	362	476	85	65	57.2	3-5/16"	49	17.7	
RCX-308	30	880	209	387	101	73.2	57.2	3-5/16"	49	18.1
RCX-502	50	362	51	176	127	95.2	79.5	5"	55	15
RCX-504		719	101	227	127	95.2	79.5	5"	55	19.1
RCX-506		1131	159	282	127	95.2	79.5	5"	55	23.1
RCX-5013		2399	337	460	127	95.2	79.5	5"	55	37.6
RCX-756	75	1603	156	285	146	114.3	95.2	5-3/4"	44	29.5
RCX-7513		3417	333	492	146	114.3	95.2	5-3/4"	44	59
RCX-1004	100	1353	102	204	177	130.3	104.9	6-7/8"	44	33.1
RCX-1006		2239	168	357	177	130.3	104.9	6-7/8"	44	59
RCX-1008		2706	203	357	177	130.3	104.9	6-7/8"	44	59
RCX-10010		3466	260	449	177	130.3	104.9	6-7/8"	44	72.6

General Purpose Hydraulic Cylinders (Double-Acting)

- Collar threads, plunger threads and base mounting holes for easy fixturing;
- Baked enamel finish for increased corrosion resistance;
- Removable hardened saddles protect plunger during lifting and pressing;
- Built-in safety valve prevents accidental over-pressurization;
- Plunger wiper reduces contamination, extending cylinder life;
- 232-3/8 included on all models;



Optional Accessories

Accessories	Flat Saddles	Grooved Saddles	Tilt Saddles	Base Pate	Mounting Block	Base Clevis Eyes	Plunger Clevis Eyes
Capacity Ton (Kn)							
5 (45)	A-53 2	A-53G 2	-	-	AW-51, AW-53 2	REB-5 2	REP-5 2
10 (101)	A-12, A-102F 3	A-102G 3	CAT-10 3)	JBI-10	RB-10, AW-102	REB-10	REP-10 3
15 (142)	-	A-152G	CAT-10	-	RB-15	REB-15	REP-15
25 (232)	A-29	A-252G	CAT-50	JBI-25	RB-25	REB-25	REP-25
30 (295)	A-29	A-252G	CAT-50	-	RB-25	-	-
50 (498)	-	-	CAT-100	JBI-50	-	-	-
75 (718)	-	-	CAT-100	-	-	-	-
95 (933)	-	-	CAT-100	-	-	-	-

Model	Capacity Class (Ton)		Oil Capacity (cm ³)	Stroke (mm)	Collapsed Height (mm)	Outside Diameter (mm)	Inside Diameter (mm)	Spindle Diameter (mm)	External Thread (mm)	Thread Length (mm)	Weight (Kg)
	Push	Pull									
RRX-1010 RRX-1012	10	3.3	368 442	254 305	409 457	73 73	42.9 42.9	34.9 34.9	2-1/4" 2-1/4"	26 26	12 14
RRX-308 RRX-3014	30	5.3	879 1549	209 368	387 549	101 101	73.2 73.2	54.1 54.1	3-5/16" 3-5/16"	49 49	18 29
RRX-506 RRX-5013 RRX-5020	50	10	1111 2378 3638	156 334 511	331 509 733	127 127 127	95.2 95.2 95.2	79.5 79.5 79.5	5" 5" 5"	44 44 44	30 52 68
RRX-756 RRX-7513	75	16	1601 3417	156 333	347 525	146 146	114.3 114.3	95.2 95.2	5-3/4" 5-3/4"	38 38	41 68
RRX-1006 RRX-10013 RRX-10018	100	43	2238 4439 6132	168 333 460	357 524 687	177 177 177	130.3 130.3 130.3	95.2 95.2 95.2	6-7/8" 6-7/8" 6-7/8"	50 50 50	61 93 117
RRX-1502 RRX-1506 RRX-15013 RRX-15032	150	67	1129 3090 6597 16145	57 156 333 815	196 385 582 1116	203 203 203 203	158.8 158.8 158.8 158.8	114.3 114.3 114.3 114.3	8" 8" 8" 8"	55 55 55 55	49 93 124 238
RRX-2006 RRX-20013 RRX-20018 RRX-20024 RRX-20036 RRX-20048	200	102	4332 9405 13025 17385 26049 34741	152 330 457 610 914 1219	430 608 765 917 1222 1527	247 247 247 247 247 247	190.5 190.5 190.5 190.5 190.5 190.5	133.4 133.4 133.4 133.4 133.4 133.4	9-3/4" 9-3/4" 9-3/4" 9-3/4" 9-3/4" 9-3/4"	54 54 54 54 54 54	147 199 204 279 383 483
RRX-3006 RRX-30012 RRX-30018 RRX-30024 RRX-30036 RRX-30048	300	170	6997 13947 20889 27850 41843 55745	153 305 457 609 915 1219	485 638 790 943 1247 1552	311 311 311 311 311 311	241.3 241.3 241.3 241.3 241.3 241.3	165.1 165.1 165.1 165.1 165.1 165.1	12-1/4" 12-1/4" 12-1/4" 12-1/4" 12-1/4" 12-1/4"	58 58 58 58 58 58	200 312 385 469 628 780
RRX-4006 RRX-40012 RRX-40018 RRX-40024 RRX-40036 RRX-40048	400	230	9319 18700 28018 37400 56037 74737	152 305 457 610 914 1219	538 690 843 995 1300 1605	358 358 358 358 358 358	279.4 279.4 279.4 279.4 279.4 279.4	190.5 190.5 190.5 190.5 190.5 190.5	14-1/8" 14-1/8" 14-1/8" 14-1/8" 14-1/8" 14-1/8"	65 65 65 65 65 65	303 399 453 597 792 980
RRX-5006 RRX-50012 RRX-50018 RRX-50024 RRX-50036 RRX-50048	500	284	11164 22256 33347 44440 66768 88951	153 305 457 609 915 1219	577 730 882 1035 1339 1644	397 397 397 397 397 397	304.8 304.8 304.8 304.8 304.8 304.8	203.2 203.2 203.2 203.2 203.2 203.2	15-5/8" 15-5/8" 15-5/8" 15-5/8" 15-5/8" 15-5/8"	79 79 79 79 79 79	432 589 680 816 1002 1224

High Tonnage Hydraulic Cylinders (Single-Acting)

- Load return plunger - simple to use and fewer components to maintain
- Nitrocarburized finish - resists side-loading and cyclic wear ; 10% resistance to side-load over the full cylinder stroke
- Stop-ring prevents plunger blow-out Weather protected, inside and out ;
- Upper and lower replaceable bearings support the plunger throughout the stroke ;
- Certified lifting eyes Base mounting holes ;
- Collar threads included on models up to 250 ton. Optional on 300 ton and higher ;
- Maximum working pressure up to 10,000 psi (700 bar)
Complies to ASME B30.1 ;



Model	Capacity Class (Ton)	Oil Capacity (cm ³)	Stroke (mm)	Collapsed Height (mm)	Outside Diameter (mm)	Inside Diameter (mm)	Spindle Diameter (mm)	Weight (Kg)
CLSGX-502	50	385	50	162	130	99	70	17
CLSGX-504		770	100	212	130	99	70	20
CLSGX-506		1155	150	262	130	99	70	23
CLSGX-508		1540	200	312	130	99	70	27
CLSGX-5010		1924	250	362	130	99	70	31
CLSGX-5012		2309	300	412	130	99	70	34
CLSGX-1002	100	664	50	182	165	130	95	19
CLSGX-1004		1327	100	232	165	130	95	29
CLSGX-1006		1991	150	282	165	130	95	40
CLSGX-1008		3655	200	332	165	130	95	50
CLSGX-10010		3318	250	382	165	130	95	61
CLSGX-10012		3982	300	432	165	130	95	71
CLSGX-1502	150	993	50	196	205	159	114	39
CLSGX-1504		1986	100	246	205	159	114	52
CLSGX-1506		2978	150	296	205	159	114	65
CLSGX-1508		3971	200	346	205	159	114	78
CLSGX-15010		4964	250	396	205	159	114	92
CLSGX-15012		5957	300	446	205	159	114	105
CLSGX-2002	200	1330	50	216	235	184	133	55
CLSGX-2006		3989	150	316	235	184	133	91
CLSGX-20012		7977	300	466	235	184	133	146
CLSGX-2502	250	1832	50	235	275	216	165	102
CLSGX-2506		5497	150	335	275	216	165	136
CLSGX-25012		10993	300	485	275	216	165	207
CLSGX-3002	300	2281	50	312	310	216	197	184
CLSGX-3006		6843	150	412	310	216	197	232
CLSGX-30012		13685	300	562	310	216	197	303
CLSGX-4002	400	2800	50	375	350	267	216	270
CLSGX-4006		8399	150	475	350	267	216	330
CLSGX-40012		16797	300	625	350	267	216	421
CLSGX-5002	500	3653	50	419	400	305	248	401
CLSGX-5006		10959	150	519	400	305	248	480
CLSGX-50012		21918	300	669	400	305	248	599
CLSGX-6002	600	4276	50	429	430	330	267	474
CLSGX-6006		12829	150	529	430	330	267	565
CLSGX-60012		25659	300	679	430	330	267	701
CLSGX-8002	800	5881	50	474	505	387	317	741
CLSGX-8006		17644	150	574	505	387	317	880
CLSGX-80012		35288	300	724	505	387	317	1058
CLSGX-10002	1000	7329	50	564	560	432	343	1062
CLSGX-10006		21986	150	664	560	432	343	1213
CLSGX-100012		43972	300	814	560	432	343	1439

High Tonnage Hydraulic Cylinders (Double-Acting)

- Double-acting for fast and controlled advance and retract;
- Nitrocarburized surface resists side-loading and cyclic wear;
- 10% side-load resistance over full cylinder stroke;
- Weather protected, inside and out;
- Upper and lower replaceable bearings support the plunger throughout the stroke;
- Certified lifting eyes, Base mounting holes;
- Collar threads included on models up to 250 ton. Optional on 300 ton and higher;
- Maximum working pressure up to 10,000 psi (700 bar) ; Complies to ASME B30.1;



Model	Capacity Class (Ton)		Oil Capacity (cm ³)	Stroke (mm)	Collapsed Height (mm)	Outside Diameter (mm)	Inside Diameter (mm)	Spindle Diameter (mm)	Weight (Kg)
	Push	Pull							
CLRGX-502	50	27	385	50	162	130	98.6	70	17
CLRGX-504			770	100	212	130	98.6	70	20
CLRGX-506			1155	150	262	130	98.6	70	23
CLRGX-508			1540	200	312	130	98.6	70	27
CLRGX-5010			1924	250	362	130	98.6	70	31
CLRGX-5012			2309	300	412	130	98.6	70	34
CLRGX-1002	100	43	664	50	182	165	130	95	19
CLRGX-1004			1327	100	232	165	130	95	29
CLRGX-1006			1991	150	282	165	130	95	40
CLRGX-1008			2655	200	332	165	130	95	50
CLRGX-10010			3318	250	382	165	130	95	61
CLRGX-10012			3982	300	432	165	130	95	71
CLRGX-1502	150	68	993	50	196	205	159	114	39
CLRGX-1504			1986	100	246	205	159	114	52
CLRGX-1506			2978	150	296	205	159	114	65
CLRGX-1508			3971	200	346	205	159	114	78
CLRGX-15010			4964	250	396	205	159	114	92
CLRGX-15012			5957	300	446	205	159	114	105
CLRGX-2002	200	89	1330	50	216	235	184	133.1	55
CLRGX-2006			3989	150	316	235	184	133.1	91
CLRGX-20012			7977	300	466	235	184	133.1	146
CLRGX-2502	250	107	1832	50	235	275	216	165.1	102
CLRGX-2506			5497	150	335	275	216	165.1	136
CLRGX-25012			10993	300	485	275	216	165.1	207
CLRGX-3002	300	106	2281	50	322	310	241	197.1	184
CLRGX-3006			6843	150	422	310	241	197.1	232
CLRGX-30012			13685	300	572	310	241	197.1	302
CLRGX-4002	400	135	2800	50	375	350	267	216	270
CLRGX-4006			8399	150	475	350	267	216	330
CLRGX-40012			16797	300	625	350	267	216	421
CLRGX-5002	500	173	3653	50	419	400	305	248	401
CLRGX-5006			10959	150	519	400	305	248	480
CLRGX-50012			21918	300	669	400	305	248	599
CLRGX-6002	600	207	4276	50	429	430	330	267	474
CLRGX-6006			12829	150	529	430	330	267	565
CLRGX-60012			25659	300	679	430	330	267	701
CLRGX-8002	800	271	5881	50	484	505	387	317	741
CLRGX-8006			17644	150	584	505	387	317	868
CLRGX-80012			35288	300	734	505	387	317	1058
CLRGX-10002	1000	397	7329	50	564	560	432	343	1062
CLRGX-10006			21986	150	664	560	432	343	1213
CLRGX-100012			43972	300	814	560	432	343	1439
CLRGX-16006	1600	528	35495	155	825	710	540	450	2179

PLC Control Synchronous Hoist Systems

- Systems include 4,8,12,16, 24,32,40,80 Lifting points, contact Power Team for larger SJS requirements up to 128 points and manifold systems up to 512 points;
- Positioning, lifting or lowering accuracy of +/- .040"(1 mm);
- Safety features included: full stop due to power failure, sensor failure, pressure overload, tolerance error, uncontrolled load movement, etc;
- Intuitive graphic, touch screen control;
- Displayed information included: startup diagnostics, position of lift points relative to starting position, pressure at each lift point, status of each cylinder and status of alarms;
- SJS works with a wide range of cylinder types, tonnages and strokes to meet your application requirements;
- Operating pressure (up to) 10,000 psi (700 bar);
- Easy setup and remote or on-site support;

PSPX-4

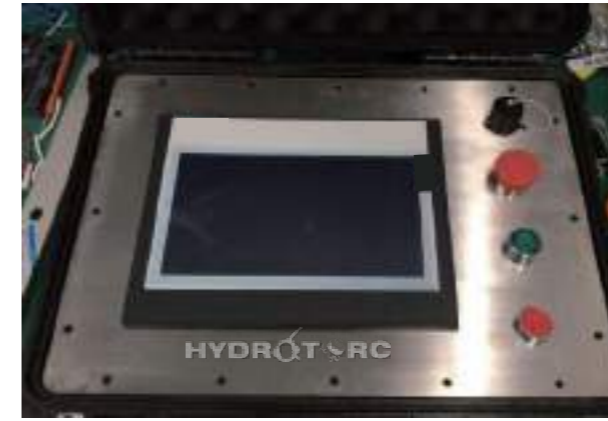


PSPX-8

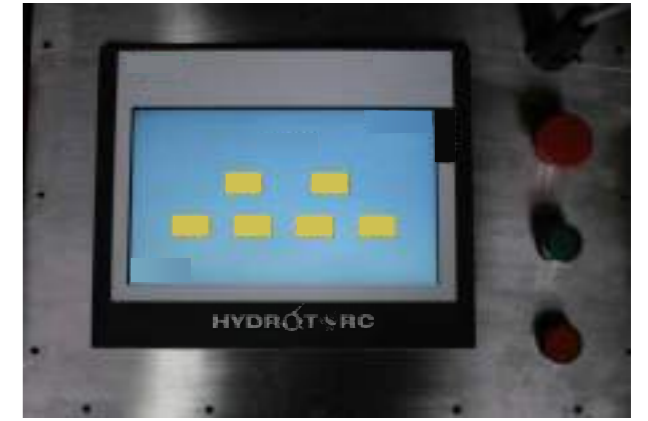


Number of Outlets	Model	Accuracy Over Full Stroke (mm)	Maximum Pressure (bar)	Flow (L/min)	Motor Voltage (V)	Motor Size (Kw)	Operating Mode
4	PSPX-4	1	700	2*0.8-4	230/400	2*1.1	Touch Screen
8	PSPX-8	1	700	2*1-5	400	2*1.5	Touch Screen
12	PSPX-12	1	700	2*1-6.5	400	2*2.2	Touch Screen
16	PSPX-16	1	700	4*1-6.5	400	2*2.2	Touch Screen
24	PSPX-24	1	700	4*1-6.5	400	4*2.2	Touch Screen
32	PSPX-32	1	700	4*1-6.5	400	4*2.2	Touch Screen
40	PSPX-40	1	700	8*1-6.5	230/400	8*2.2	Touch Screen
80	PSPX-80	1	700	8*3-15	230/400	8*5.5	Touch Screen

Portable Controller



Main interface



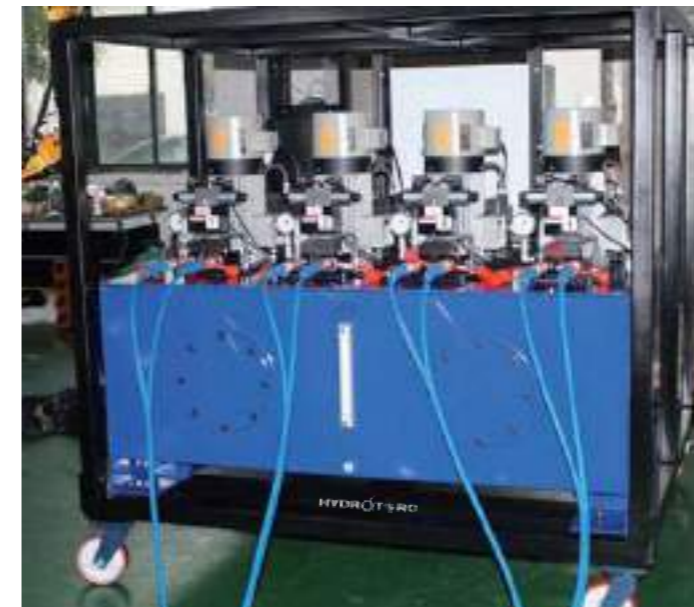
Parameter Settings



Remote Controller



Four Point Synchronous Lifting System (Hydraulic Pump Station) 1600tons Four Point Synchronous Lifting System (1.8m stroke)

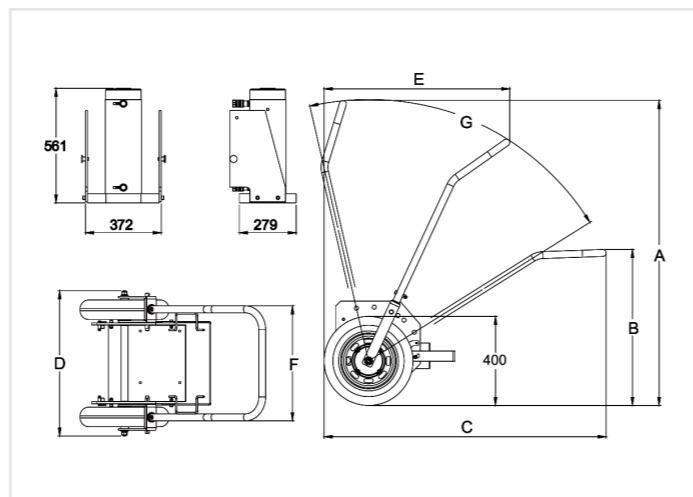


Mobile Hydraulic Lifting Cylinders

- Choice of air or electric driven hydraulic system
- Narrow width wheels and redesigned wheel position for better ground clearance and balance when manoeuvring ;
- Longer, robust 4-position lifting handle design for increased leverage and manoeuvrability on 100, 150 and 200 tonne models ;
- Integral airline filter, lubricator and pressure regulator unit on air driven models ;
- Push button remote hand pendant controller with 5 metre control cable ;
- Load tonnage gauge fitted as standard on 100, 150 and 200 tonne models ;



Model	Capacity Class (Ton)	Stroke (mm)	Collapsed Height (mm)	Hydraulic Pump Model	Valve Type (4-way, 3-position)	Cylinder Type	Return Type	Weight (Kg)
MLCX5013	50	333	535	PHM110D	Manual	RR-5013	Double-Acting	270
MLCX5013	50	333	535	SPA706D	Manual	RR-5013	Double-Acting	240
MLCX5020	50	511	759	PHM110D	Manual	RR-5020	Double-Acting	283
MLCX5020	50	511	759	SPA706D	Manual	RR-5020	Double-Acting	254
MLCX10013	100	333	549	PHM110D	Manual	RR-10013	Double-Acting	295
MLCX10013	100	333	549	SPA706D	Manual	RR-10013	Double-Acting	265
MLCX10018	100	460	713	PHM110D	Manual	RR-10018	Double-Acting	327
MLCX10018	100	460	713	SPA706D	Manual	RR-10018	Double-Acting	297
MLCX15013	150	333	607	PHM110D	Manual	RR-15013	Double-Acting	334
MLCX15013	150	333	607	SPA706D	Manual	RR-15013	Double-Acting	304
MLCX15032	150	815	1141	PHM110D	Manual	RR-15032	Double-Acting	448
MLCX15032	150	815	1141	SPA706D	Manual	RR-15032	Double-Acting	418



Flange Separators

- wedge-driven spreader, Jaws fully supported by wedge for excellent durability ;
- Low friction provided by heavy-duty extended-life lubricant, ideal for flanges with narrow gaps ;
- Compact and lightweight design ;
- Ergonomically balanced handle included ;
- Suitable for the offshore environment due to superior corrosion resistance;
- Quick adjustments for various tasks due to interchangeable shoes (both stepped and serrated) ;
- Easy and quick maintenance without special tools required ;
- Includes female half coupler & mates to standard 3/8" male half coupler;

FSH-08



FSH-14



IFSH-14



FSH15-FL



FSH15-ST



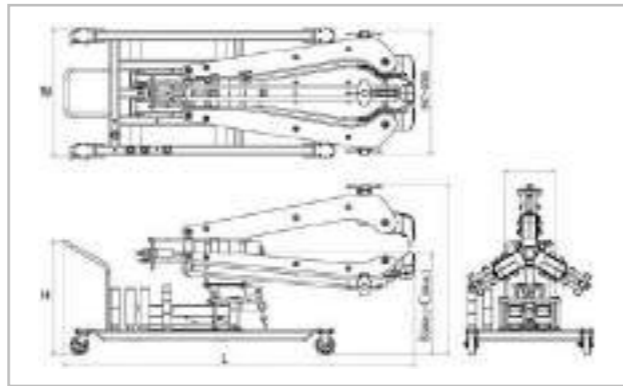
Model	Maximum Spreading Force (Ton)	Tip Clearance (mm)	Maximum Spread (mm)	Power Source	Oil Capacity (cm ³)	Weight (Kg)
FSM-08	8	6	81	Mechanical	/	6.5
FSH-14	14	6	81	Hydraulic	78	7.1
IFSH-14	14	6	81	Hydraulic	78	10
FSH15-FL	15	6	16	Hydraulic	16	3.3
FSH15-ST	15	6	16	Hydraulic	16	3.3
FSH25-ST	25	8	25	Hydraulic	20	7.5

Vehicle Mounted Hydraulic Pullers

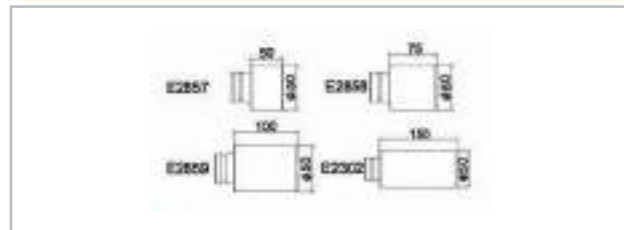
- ❑ Puller can be assembled in 2 or 3-jaw configurations;
- ❑ Hydraulically-actuated jaws allows cylinder to move in or out with a safe, secure grip on workpiece;
- ❑ Hydraulic lift system for easy, precise position of puller;
- ❑ Swivel casters give ease of mobility, Large wheels make movement of cart easy;
- ❑ Guards at pinch points protect operator;
- ❑ Puller can be mounted on cart 90 degrees to right or left of puller cart centerline, permitting use in tight quarters, such as between machinery;
- ❑ Self-centering design puller jaws will automatically grip workpiece evenly;

Model	Capacity (Ton)	Spread Range (mm)	Maximum Reach (mm)	Cylinder Stroke (mm)	Power Supply (V)	Dimension (mm)					Weight (Kg)
						B	C	L	W	H	
VHP50	50	200-1250	530-780	330	230/400	820	1093	2321	800	1155	480
VHP100	100	300-1650	970-1220	330	230/400	820	1326	2790	1030	1410	1083
VHP150	150	350-1650	970-1220	330	230/400	820	1337	2990	1030	1410	1200
VHP200	200	350-1650	970-1220	330	230/400	820	1337	2990	1030	1410	1500

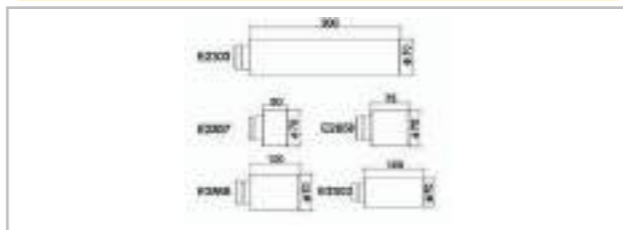
VHP100



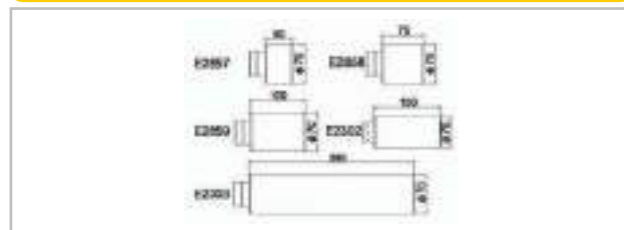
VHP50 (Standard accessories)



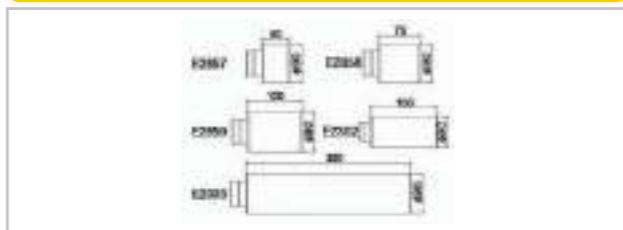
VHP100 (Standard accessories)



VHP150 (Standard accessories)



VHP200 (Standard accessories)



Bearing Puller Pushers for rolling stock

- ❑ Dismantle or Install the tapered roller bearings easily and efficiently.
- ❑ Specially designed for the major bearing manufacturers.
- ❑ The simple, efficient and easy operation provided with pulling force - 100 Ton Other tonnages can be customized.
- ❑ Single Unit with portable design for easy, convenient positioning and saving storage space.
- ❑ The basic equipment in most wheel shops.

Model	Capacity (tons)		Stroke (mm)	Dimension (mm)						Weight (Kg)
	Pull	Install		A	B	C	D	E	F	
WBP100	100	68	393	652	382	1047	900	1940-2209	1530	780
WBPS100	100	68	254	652	382	1047	900	1940-2209	1530	805
HWBP100	100	68	393	652	370	731	900	1299	1175	370
HWBPS100	100	68	254	652	370	731	900	1299	1175	410

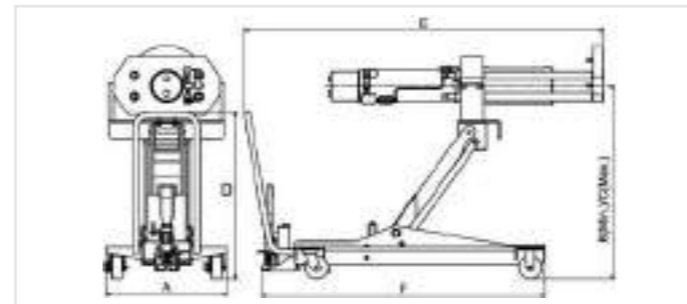
WBP100 Bearing Puller Pushers



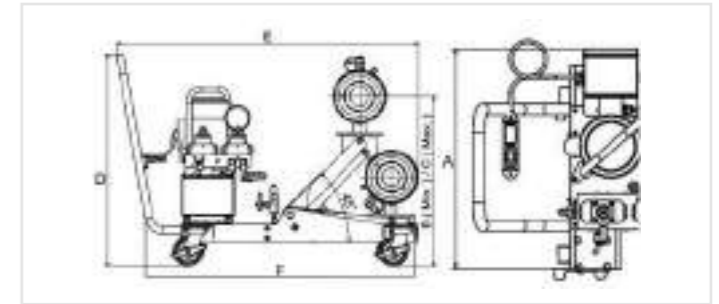
WBPS100 Bearing Puller/Pushers-Side Shifters



WBP100



WBPS100



Accessory Set for Metric & Inch (Class B~F)



Accessory Set for Inch (Class G~GG)



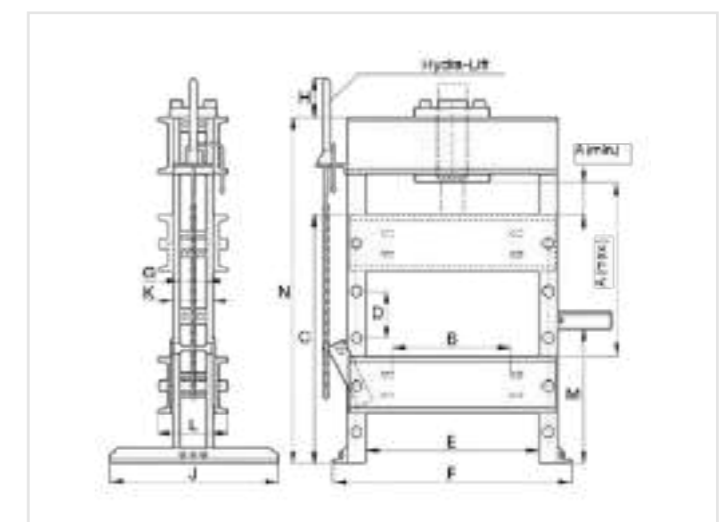
Workshop Hydraulic Presses

- Choice of air or electric driven hydraulic system
- Narrow width wheels and redesigned wheel position for better ground clearance and balance when manoeuvring ;
- Longer, robust 4-position lifting handle design for increased leverage and manoeuvrability on 100, 150 and 200 tonne models ;
- Integral airline filter, lubricator and pressure regulator unit on air driven models ;
- Push button remote hand pendant controller with 5 metre control cable ;
- Load tonnage gauge fitted as standard on 100, 150 and 200 tonne models ;



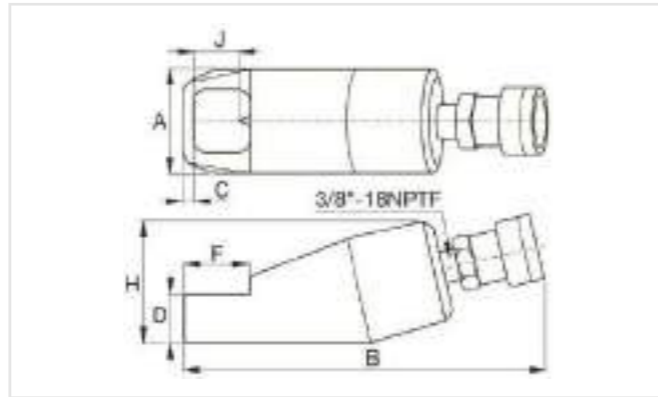
Model	Capacity (Ton)	Power type and pump model			Cylinder Type	Return Type	Stroke (mm)	Speed (mm/s)		Weight (Kg)	
		Manual	Electric	Pneumatic				Rapid Advance	Pressing		
WPX-1010	10		PHM55		RC-1010	Single	254	28	3.8	135	
WPX-1010				SPA701	RC-1010	Single	254	7.5	1.9	73	
WPX-1010		AHP702			RC-1010	Single	254	7.8	1.7	72	
WPX-1010D				PHM55D		RR-1010	Double	254	11	1.7	86
WPX-1010D					SPA701D	RR-1010	Double	254	8.5	2.3	74
WPX-2506	20		PHM55		RC-256	Single	152	16	1.6	274	
WPX-2511			PHM55		RC-2514	Single	355	23	3.6	316	
WPX-2514					SPA702	RC-2514	Single	355	3.6	1	277
WPX-2514		AHP703			RC-2514	Single	355	4.9	0.7	281	
WPX-3014D	30		PHM55D		RR-3014	Double	355	42	0.6	310	
WPX-3014D				SPA702D	RR-3014	Double	355	18	2.8	327	
WPX-3014D		AHP705D			RR-3014	Double	355	3.6	0.7	301	
WPX-5006	50		PHM55		RC-5013	Single	330	20	1.9	472	
WPX-5006				SPA702	RC-506	Single	152	25	0.3	439	
WPX-5006		AHP703			RC-506	Single	152	19	0.7	439	
WPX-5006D			PHM55D		RC-506	Double	152	2.3	0.3	420	
WPX-5013			PHM55		RC-506	Single	152	7.7	0.8	422	
WPX-5013D			PHM55D		RR-5013	Double	330	26	0.8	479	
WPX-5013D				SPA702D	RR-5013	Double	330	20	1.9	477	
WPX-5013D		AHP703D			RR-5013	Double	330	19	0.7	454	
WPX-10010	100		PHM110		RC-10010	Single	254	14	0.4	748	
WPX-10010				SPA706	RC-10010	Single	254	14	1	781	
WPX-10010		AHP706			RC-10010	Single	254	10	0.4	751	
WPX-10013D			PHM110D		RR-10013	Double	330	11	1	791	
WPX-1006D					RR-1006	Double	152	10	0.4	755	
WPX-1006D		AHP706D			RR-1006	Double	152	10	0.4	755	
WPX15013D	150		PHM150D		RR15013	Double	330	9	1.4	1772	
WPX-20013D	200		PHM220D		RR-20013	Double	330	6.7	1	1772	

Model	Dimension (mm)												
	A	B	C	D	E	F	G	H	J	K	L	M	N
WPX-1010	62-1016	/	1187	125	473	632	-	-	756	108	189	889	1321
WPX-1010	62-1016	/	1187	125	473	632	-	-	756	108	189	889	1321
WPX-1010	62-1016	/	1187	125	473	632	-	-	756	108	189	889	1321
WPX-1010D	62-1016	/	1187	125	473	632	-	-	756	108	189	889	1321
WPX-1010D	62-1016	/	1187	125	473	632	-	-	756	108	189	889	1321
WPX-2506	178-1384	/	1447	302	737	1029	102	337	762	133	272	673	1930
WPX-2511	178-1384	/	1447	302	737	1029	102	337	762	133	272	673	1930
WPX-2514	178-1384	/	1447	302	737	1029	102	337	762	133	272	673	1930
WPX-2514	178-1384	/	1447	302	737	1029	102	337	762	133	272	673	1930
WPX-3014D	178-1384	/	1447	302	737	1029	102	337	762	133	272	673	1930
WPX-3014D	178-1384	/	1447	302	737	1029	102	337	762	133	272	673	1930
WPX-3014D	178-1384	/	1447	302	737	1029	102	337	762	133	272	673	1930
WPX-5006	179-1233	477	1372	264	730	1086	127	222	914	184	365	781	1930
WPX-5006	179-1233	477	1372	264	730	1086	127	222	914	184	365	781	1930
WPX-5006D	179-1233	477	1372	264	730	1086	127	222	914	184	365	781	1930
WPX-5013	179-1233	477	1372	264	730	1086	127	222	914	184	365	781	1930
WPX-5013D	179-1233	477	1372	264	730	1086	127	222	914	184	365	781	1930
WPX-5013D	179-1233	477	1372	264	730	1086	127	222	914	184	365	781	1930
WPX-5013D	179-1233	477	1372	264	730	1086	127	222	914	184	365	781	1930
WPX-10010	178-1080	508	1295	297	889	1295	171	222	914	222	438	842	1930
WPX-10010	178-1080	508	1295	297	889	1295	171	222	914	222	438	842	1930
WPX-10010	178-1080	508	1295	297	889	1295	171	222	914	222	438	842	1930
WPX-10013D	178-1080	508	1295	297	889	1295	171	222	914	222	438	842	1930
WPX-1006D	178-1080	508	1295	297	889	1295	171	222	914	222	438	842	1930
WPX15013D	318-1232	711	1372	254	1219	1706	232	333	1118	333	555	1213	2286
WPX-20013D	318-1232	711	1372	254	1219	1706	232	333	1118	333	555	1213	2286

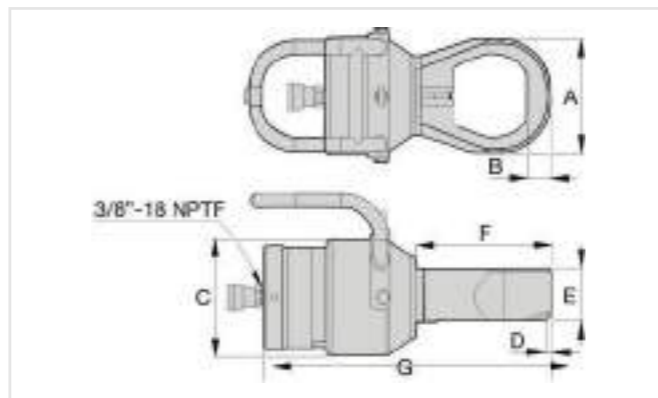


Hydraulic Nut Splitters

- Compact and ergonomic design, easy to use ;
- Unique angled head design ;
- Single-acting, spring return cylinder ;
- Heavy duty chisels can be reground ;
- Nut Splitters include spare chisel, spare set screw and wrench used to secure the chisel ;
- Maximum allowable hardness of nuts to be split is HRC-44 ;



Model	Capacity (tons)	Nut Rang (mm)	Bolt Rang (M)	Oil Capacity (cm ³)	Dimension (mm)							Weight (Kg)
					A	B	C	D	F	H	J	
NCX1019	5	10-19	M6-M12	15	40	170	7	19	19	28	21	1.2
NCX1924	10	19-24	M12-M16	20	54	191	10	26	26	40	25	2
NCX2432	15	24-32	M16-M22	60	64	222	13	29	29	51	33	3
NCX3241	20	32-41	M22-M27	80	75	224	17	36	36	66	43	4.4
NCX4150	35	41-50	M27-M33	155	94	288	21	45	45	74	54	8.2
NCX5060	50	50-60	M33-M39	240	106	318	23	54	54	90	60	11.8
NCX6075	90	60-75	M39-M48	492	156	393	26	72	72	110	80	34.1



Model	Capacity (tons)	Nut Rang (mm)	Bolt Rang (M)	Oil Capacity (cm ³)	Dimension (mm)							Weight (Kg)
					A	B	C	D	F	H	J	
NSX7080	103	70 - 80	M45-M52	377	132	28	180	8	81	186	412	37
NSX7085	103	70 - 85	M45-M56	377	145	30	180	8	81	196	422	37
NSX7095	103	70 - 95	M45-M64	377	160	32	180	8	81	201	432	38.5
NSX70105	103	70-105	M45-M72	377	174	35	180	9	81	209	443	39.5
NSX110115	193	110-115	M76-M80	819	189	36	234	3.7	111	234	472	69
NSX110130	193	110-130	M76-M90	819	219	41	234	2.5	111	242	493	71.5

Hydrotorc Hydraulic Torque Pumps

Electric Hydraulic Torque Pumps (Indian Directional Valve)

- Three-stage plunger pump, a cost-effective hydraulic pump;
- Subject to brushless motor (without generating sparks) design, with low speed, good heat dissipation, it can still provide high flow at low power, equipped with hydraulic oil filter, and the hydraulic oil can be used for more than 300 hours;
- The motor has no action and automatically stops within 30 seconds to avoid mis operation;
- The hydraulic pump has thermal overload protection, and automatically stops when the oil temperature exceeds 80°C to protect the pump body;
- It is equipped with a compact frame to protect the pump body, lightweight and convenient for high-altitude operations on site;
- 5-meter detachable remote controller for remote control operation, convenient for transportation and maintenance of pump body;
- Lightweight, small in size, easy to carry, applicable for working conditions such as continuous work and high-altitude operations, and suitable for occasions with low explosion-proof requirements;

ETPX Hydraulic Torque Pump (without air cooling)



ETPX Hydraulic Torque Pump



Optional four-interface splitter (model plus-4), allowing up to four hydraulic wrenches to be used simultaneously, with even output pressure;

Model	Pressure (bar)	Flow (L/min)	Power Supply (V)	Power (Kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
ETPX55	700	0.7-1.8-6.5	110/230	0.55	6	45*35*50	23.2
ETPX55	700	0.7-1.8-6.5	110/230	0.55	6	45*35*50	25.2
ETPX110	700	1.0-3.1-8.0	110/230	1.1	8	45*35*50	25.2
ETPX110	700	1.0-3.1-8.0	110/230	1.1	8	45*35*50	28.2

Hydrotorc Hydraulic Torque Pumps

Smart Electric Hydraulic Torque Pumps (Chinese Directional Valve)

- Subject to a mechanical pressure gauge and electronic LED digital display with dual closed loop control display, the pressure unit can be selected in units such as Bar, MPa, and Psi. The LCD screen can be operated to switch units such as N.m, Ft. lbs, and the Chinese and English, metric and imperial systems can be selected for the system; requirements;
- The dual adjustment mode of mechanical knob and button makes the operation simpler and more convenient;
- The counter calculates the number of times it has been used in real-time, making it clear whether maintenance is needed immediately;
- There are three standard modes to choose from: torque mode, bolt mode, and gear mode;
- The automatic mode and manual mode can be switched at will, without the need to long press the button. The fully automatic tightening mode can be selected after only pressing once, saving time and effort;
- The body can store 10,000 pieces of fastening data, which can be connected to the USB or mobile equipment to monitor and export fastening data (workstation, operator, torque, and date);
- Optional: angle mode and sensor mode;
- Optional: Wireless communication module can be added to connect to the upper computer or APP;

ETPX110-AI Smart Electric Hydraulic Torque Pump



ETPX110-AI Smart Electric Hydraulic Torque Pump



Model	Pressure (bar)	Flow (L/min)	Power Supply (V)	Power (Kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
ETPX55-AI	700	0.7-1.8-6.5	110/230	0.55	6	45*35*50	23.2
ETPX55-AI	700	0.7-1.8-6.5	110/230	0.55	6	45*35*50	25.2
ETPX110-AI	700	1.0-3.1-8.0	110/230	1.1	8	45*35*50	25.2
ETPX110-AI	700	1.0-3.1-8.0	110/230	1.1	8	45*35*50	28.2

Hydrotorc Hydraulic Torque Pumps

Electric Hydraulic Torque Pumps (HAWE Directional Valve)

- A three-stage plunger pump is commonly used, which is 2-3 times faster than a two-stage pump;
- Subject to brushless motor (without generating sparks) design, with low speed, good heat dissipation, it can still provide high flow at low power, equipped with hydraulic oil filter, and the hydraulic oil can be used for more than 300 hours;
- The motor has no action and automatically stops within 30 seconds to avoid mis operation;
- It has thermal overload protection, and automatically stops when the oil temperature exceeds 80°C to protect the pump body;
- It is equipped with a compact frame to protect the pump body, lightweight and convenient for high-altitude operations on site;
- 5-meter detachable remote controller for remote control operation, convenient for transportation and maintenance of pump body;
- Lightweight, small in size, applicable for continuous and long-term work, such as high-intensity operations such as installation or repair, and applicable for occasions with low explosion-proof requirements;

ETP55 Hydraulic Torque Pump



ETP110-4 Hydraulic Torque Pump (four-interface)



Optional four-interface splitter (model plus-4), allowing up to four hydraulic wrenches to be used simultaneously, with even output pressure; The PES series is a customized product for servo motors.

Model	Pressure (bar)	Flow (L/min)	Power Supply (V)	Power (Kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
ETP55	700	0.7-1.8-6.5	110/230	0.55	6	40*30*40	23.1
ETP110	700	1.0-3.1-8.0	110/230	1.1	8	43*30*42	28.2
ETP220	700	1.6-5.2-12	110/230/380	2.2	20	50*33*50	40.6
ETP300	700	2.4-12	110/230/380	3.0	33	61.5*45*60	50
ETP450	700	3-15	110/230/380	4.5	33	61.5*45*60	50
ETP550	700	4-22	110/230/380	5.5	33	61.5*45*60	50
ETP750	700	6.4-25	110/230/380	7.5	33	61.5*45*60	50

Hydrotorc Hydraulic Torque Pumps

Smart Electric Hydraulic Torque Pumps (Chinese Directional Valve)

- Subject to a mechanical pressure gauge and electronic LED digital display with dual closed-loop control display, the pressure unit can be selected in units such as Bar, MPa, and Psi. The LCD screen can be operated to switch units such as N.m, Ft. lbs, and the Chinese and English, metric and imperial systems can be selected for the system;
- The dual adjustment mode of mechanical knob and button makes the operation simpler and more convenient
- The counter calculates the number of times it has been used in real-time, making it clear whether maintenance is needed immediately;
- There are three standard modes to choose from: torque mode, bolt mode, and gear mode;
- The automatic mode and manual mode can be switched at will, without the need to long press the button. The fully automatic tightening mode can be selected after only pressing once, saving time and effort;
- The body can store 10,000 pieces of fastening data, which can be connected to the USB or mobile equipment to monitor and export fastening data (workstation, operator, torque, and date);
- Optional: angle mode and sensor mode;
- Optional: Wireless communication module can be added to connect to the upper computer or APP;

**SETX55-AI Hydraulic Torque Pump
(wireless remote control)**



**SETX110-4AI Hydraulic Torque Pump
(four-interface)**



Optional four-interface splitter (model plus-4), allowing up to four hydraulic wrenches to be used simultaneously, with even output pressure; The PES series is a customized product for servo motors.

Model	Pressure (bar)	Flow (L/min)	Power Supply (V)	Power (Kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
SETX55-AI	700	0.7-1.8-6.5	110/230	10.55	6	40*30*40	23.2
SETX110-AI	700	1.0-3.1-8.0	110/230	1.1	8	43*30*42	28.2
SETX220-AI	700	1.6-5.2-12	110/230/380	2.2	20	50*33*50	50
SETX300-AI	700	2.4-12	110/230/380	3.0	33	61.5*45*60	50
SETX450-AI	700	3-15	110/230/380	4.5	33	61.5*45*60	50
SETX550-AI	700	4-22	110/230/380	5.5	33	61.5*45*60	50
SETX750-AI	700	6.4-25	110/230/380	7.5	33	61.5*45*60	50

Hydrotorc Hydraulic Torque Pumps

Explosion-protected Electric Hydraulic Torque Pump

- 230/380V, 50/60Hz optional, equipped with hydraulic oil filter, oil circulation cooling system to ensure long-term continuous operation;
- The power cord is 10 meters long, and the remote-control handle cable is 10 meters long, which is equipped with a compact frame roller car to protect the pump body. It is lightweight and convenient for high-altitude operations on site;
- Explosion-proof testing certification has been passed for all electrical accessories and certificates are provided; It is applicable for explosion-proof applications in Zone 2, Zone 1, and Zone 0, widely used in explosion-proof environments such as dust, coal mines, petrochemicals, natural gas, etc.;
- Protection grade IP65, overall explosion-proof grade:
- ExdIIBT4. Other higher explosion-proof grades can also be selected: ExdIICT4/CT5/CT6, etc.;
- If necessary, the Company can fully cooperate in implementing the required certification work to comply with relevant laws and regulations;

EEPX110-4EX (Chinese Directional valve)



EEPX110-4EX (HAWE Directional valve)



Optional four-interface splitter (model plus-4), allowing up to four hydraulic wrenches to be used simultaneously, with even output pressure; The PES series is a customized product for servo motors.

Model	Pressure (bar)	Flow (L/min)	Power Supply (V)	Power (Kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
EEPX110-4EX	700	0.7-1.8-6.5	230/400	1.1	20	53*50*52	35.6
EEPX110-4EX	700	1.0-3.1-8.0	230/400	1.1	20	53*50*52	40.2
EEPX150-4EX	700	1.6-5.2-12	230/400	1.5	33	60*53*63	45.6
EEPX300-4EX	700	2.4-12	110/230/400	3.0	33	61.5*45*60	50
EEPX450-4EX	700	3-15	110/230/400	4.5	33	61.5*45*60	50
EEPX550-4EX	700	4-22	110/230/400	5.5	33	61.5*45*60	50
EEPX750-4EX	700	6.4-25	110/230/400	7.5	33	61.5*45*60	50

Hydrotorc Hydraulic Torque Pumps

Explosion-protected Pneumatic Hydraulic Torque Pump (HAWE Directional Valve)

- ▶ A three-stage plunger pump, commonly used, has a flow rate that is more than three times faster than a typical two-stage pump;
- ▶ Rotary pneumatic motor, suitable for places where pneumatic energy is the preferred energy source, such as explosion-proof environments in petroleum, chemical, coal mines, etc.;
- ▶ Compressed air in the workshop from 2bar-8bar is sufficient for operation;
- ▶ The oil circulation cooling system can ensure long-term continuous operation
- ▶ It is equipped with a compact frame to protect the pump body, lightweight and convenient for high-altitude operations on site;



Optional four-interface splitter (model plus-4), allowing up to four hydraulic wrenches to be used simultaneously, with even output pressure;

Model	Pressure (bar)	Flow (L/min)	Air Consumption (L/min)	Power (Kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
PTPX86	700	0.9-2.5-7.6	2800	3.5	8	40*26*40	30

Hydrotorc Hydraulic Tensioner Pumps

Explosion-protected Electric Hydraulic Torque Pump

- ▶ The PES series hydraulic stretching pumps all use servo motors and have CNC one click operation function, which is simple and convenient;
- ▶ Clear and visible pressure, equipped with self diagnosis and testing functions, automatically maintaining and supplementing pressure;
- ▶ The electrical equipment is equipped with an air cooler, which can work continuously for 8 hours;
- ▶ Beautiful exterior design, aluminum alloy fuel tank, easy to dissipate heat, compact size, light weight, and easy to carry;
- ▶ There are multiple models available according to different needs, and they are equipped with 6L and 8L fuel tanks for easy selection;

EPTX150 (Mechanical pressure gauge)



EPTX506 (Pressure switch, automatic pressure compensation)



EPTX506A (Servo motor, PLC control)



Optional four interface splitter (model plus -4), allowing up to four hydraulic stretchers to be used simultaneously, with even output pressure;

Model	Pressure (bar)	Flow (L/min)	Power Supply (V)	Power (Kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
EPTX1506	1500	0.15-3	110/230	1.1	6	35 x 25 x 40	20.1
EPTX1508	1500	0.15-3	110/230	1.1	8	35 x 25 x 45	22.2
EPTX1506	1500	0.15-3	110/230	1.1	6	35 x 25 x 40	20.1
EPTX1508	1500	0.15-3	110/230	1.1	8	35 x 25 x 45	22.2
EPTX1506	1500	0.2-3.5	110/230	1.5	6	35 x 25 x 40	20.1
EPTX1508	1500	0.2-3.5	110/230	1.5	8	35 x 25 x 45	22.2
EPTX1506A	1500	0.2-3.5	110/230	1.5	6	35 x 25 x 40	21.1
EPTX1508A	1500	0.2-3.5	110/230	1.5	8	35 x 25 x 45	23.2

Hydraulic Tensioner Pumps

Electric Hydraulic Tensioner Pumps

- The PTE series hydraulic tensioning pump adopts a brushless motor, which can still provide large flow at low power, and the hydraulic oil can be used for more than 300 hours; Equipped with a hydraulic oil filter, the hydraulic oil can be used for more than 300 hours;
- Automatically shut down when reaching the set pressure to avoid mis operation, with automatic pressure replenishment function;
- Equipped with a compact frame to protect the pump body, lightweight and convenient for high-altitude operations on site;
- 5-meter detachable remote control cable, remote control operation, convenient for transportation and maintenance of pump body;
- There are multiple models available according to different needs, and they are equipped with 12L, 20L, and 33L fuel tanks for easy selection;

ETPX20012 Electric Hydraulic Tensioner Pump



ETPX20020 Electric Hydraulic Tensioner Pump



The above are standard products. For other special requirements such as power, flow rate, and higher pressure, please contact the local authorized agency or our technical engineer; The PTES series is a customized product for high flow servo motors.

Model	Pressure (bar)	Flow (L/min)	Power Supply (V)	Power (Kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
ETPX20012	2000	0.1-2	110/230/380	1.1	12	38x25x40	25.2
ETPX28012	2800	0.1-2	110/230/380	1.1	12	45x35x45	28.3
ETPX40012	4000	0.1-2	110/230/380	1.1	12	45x35x45	30.1
ETPX20020	2000	0.2-4	110/230/380	3/4.5/5.5/7.5	20	61.5x45x60	35.2
ETPX28020	2800	0.2-4	110/230/380	3/4.5/5.5/7.5	20	61.5x45x60	38.3
ETPX40020	4000	0.2-4	110/230/380	3/4.5/5.5/7.5	20	61.5x45x60	40.3

Hydraulic Tensioner Pumps

Explosion-protected Electric Hydraulic Torque Pump

- The PES series hydraulic stretching pumps all use servo motors and have CNC one click operation function, which is simple and convenient;
- Clear and visible pressure, equipped with self diagnosis and testing functions, automatically maintaining and supplementing pressure;
- The electrical equipment is equipped with an air cooler, which can work continuously for 8 hours;
- Beautiful exterior design, aluminum alloy fuel tank, easy to dissipate heat, compact size, light weight, and easy to carry;
- There are multiple models available according to different needs, and they are equipped with 6L and 8L fuel tanks for easy selection;

EPTX150122 (230V)



EPTX150124 (400V)



EPTX150122 (without air cooling)



EPTX150124 (without air cooling)



Model	Pressure (bar)	Flow (L/min)	Power Supply (V)	Power (Kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
EPTX150122	1500	0.15-3	110/230	1.1	12	45x35x45	25.3
EPTX150122	1500	0.15-3	110/230	1.1	12	45x35x45	28.1
EPTX150124	1500	0.15-3	380/400	1.1	12	45x35x45	27.3
EPTX150124	1500	0.15-3	380/400	1.1	12	45x35x45	30.1

Hydraulic Cylinder Pumps

Pneumatic Hydraulic Tensioner Pumps

- General purpose, high pressure air driven pump unit for products requiring up to 6000bar hydraulic pressure;
- Compact, lightweight, rugged steel frame for protection and easy handling;
- Prelubricated pump element, does not require an airline lubricator;
- Easily adjustable output pressure control;
- Integrated and protected easy to read glycerin filled gauge;
- Safety relief valve limits output pressure;



The above are standard products. For other special requirements such as power, flow rate, and higher pressure, please contact the local authorized agency or our technical engineer;

Model	Pressure (bar)	Flow (L/min)	Capacity (V)	Pressure Ratio	Outlet Thread	Dimension (cm)	Weight (Kg)
PTAX15010	1500	0.1-3	9.5	255:1	G1/4"	42*42*39	28
PTAX20010	2000	0.1-3	9.5	255:1	G1/4"	42*42*39	28
PTAX28010	2800	0.1-3	9.5	400:1	9/16"-18UNF	42*42*39	32
PTAX40010	4000	0.1-3	9.5	500:1	9/16"-18UNF	45*45*49	40
PTAX60010	6000	0.1-3	9.5	800:1	9/16"-18UNF	45*45*49	45

Manual Hydraulic Tensioner Pumps

- General purpose, high pressure air driven pump unit for products requiring up to 6000bar hydraulic pressure;
- Compact, lightweight, rugged steel frame for protection and easy handling;
- Prelubricated pump element, does not require an airline lubricator;
- Easily adjustable output pressure control;
- Integrated and protected easy to read glycerin filled gauge;



Model	Pump Type	Pressure (bar)	Capacity (L)	Oil Discharge Per Stroke (cm ³)		Outlet Thread	Dimension (cm)	Weight (Kg)
				Low Pressure	High Pressure			
PTMX1602	Single Acting	1600	1.6	32	1.5	G1/4"	60*15*19	6.8
PTMX2002	Single Acting	2000	1.6	32	1.3	G1/4"	60*15*19	6.8
PTMX2802	Single Acting	2800	2.0	32	1.25	G1/4"	60*15*19	7.0
PTMX3002	Single Acting	3000	2.0	32	0.7	9/16"-18UNF	60*15*19	7.0

Hydraulic Cylinder Pumps

Electric Hydraulic Cylinder Pumps

- Electric hydraulic pumps are spray coating, anti-corrosion, pollution-resistant, durable;
- Lightweight and compact design make it easy to be moved;
- Double speed pump design, with the high flow in low pressure;
- The actuator can be fast moved on no-load status;
- Internal high and low pressure automatic reversing valve and external adjustable pressure valve to make it easy to calibrate the working pressure and avoid the over load;
- Motor starter has the function of preventing overload, overheat and leakage. The pump can be matched with both Double Acting and Single Acting cylinders;
- Choosing the Solenoid Valve valve electric hydraulic pump, remote operation can be realized;

PHMX220D (Manual Valve)



PHMX220D (Solenoid Valve)



The above are standard products. For other special requirements such as power, flow rate, and higher pressure, please contact the local authorized agency or our technical engineer;

Model	Pump Type	Valve Type	Pressure (bar)	Flow (L/min)	Power Supply (V)	Power (kw)	Capacity (L)	Dimension (cm)	Weight (Kg)
PHMX55	Single Acting	Manual Valve	700	0.5-3	110/230	0.55	6	33*30*35	18.3
PHMX55D	Double Acting	Manual Valve	700	0.5-3	110/230	0.55	6	33*30*35	19
PHMX110	Single Acting	Manual Valve	700	0.8-4	110/230	1.1	8/12/20/33	43*33*45	23.5
PHMX110D	Double Acting	Manual Valve	700	0.8-4	110/230	1.1	8/12/20/33	33*30*35	20
PHMX150D	Double Acting	Manual Valve	700	1.0-5	230/400	1.5	8/12/20/33	53*33*52	45
PHMX150D	Double Acting	Solenoid Valve	700	1.0-5	230/400	1.5	8/12/20/33	53*33*52	50
PHMX220D	Double Acting	Manual Valve	700	1.0-6.5	230/400	2.2	20/33/60	53*37*60	55
PHMX220D	Double Acting	Solenoid Valve	700	1.0-6.5	230/400	2.2	20/33/60	53*37*60	60
PHMX300D	Double Acting	Solenoid Valve	700	1.6-9	400	3.0	20/33/60	81.5*55*80	80
PHMX450D	Double Acting	Solenoid Valve	700	2-12	400	4.5	20/33/60	81.5*55*80	90
PHMX550D	Double Acting	Solenoid Valve	700	3-15	400	5.5	20/33/60	81.5*55*80	100

Hydraulic Cylinder Pumps

Pneumatic Hydraulic Cylinder Pumps

- Working pressure 700 bar;
- Compact, lightweight & powerful;
- Standard 7 bar air input pressure required;
- Choice of 2-way or 4-way control valves;
- Internal safety overload valve;
- Reservoir oil sight level gauge;
- Standard oil reservoir capacities up to 10 litres

SPAX701



SPAX701R



SPAX702



SPAX702D



SPAX706D



Hydraulic Cylinder Pumps

Manual Valve Hydraulic Cylinder Pump

- All Manual Valve pumps have two major features - sturdy and durable structure and low handle operating force;
- Aluminum alloy structure (AHP701-705), with a fully grip and anti loosening design for oil return torque, truly suitable for frequent daily use and industrial grade requirements;
- The 700bar ultra-high pressure model has a lightweight design that better meets the needs of users;

AHP701



AHP702



AHP703



AHP705D



AHP706D

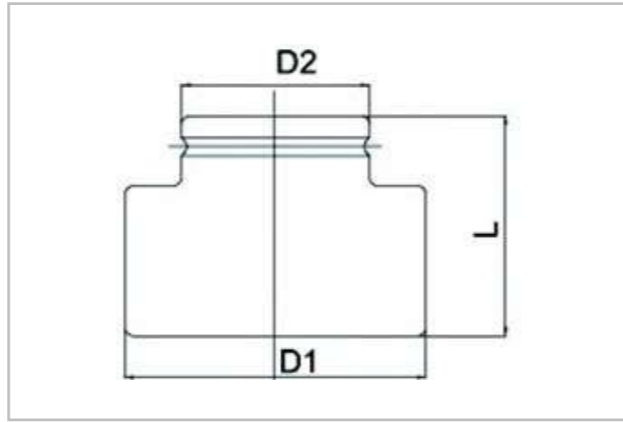


Model	Pump Type	Pressure (bar)	Flow (L/min)	Air Consumption (L/min)	Capacity (L/min)	Dimension (L)	Weight (Kg)
SPAX701D	Double Acting	700	0.15-1.16	255	1.7	26*13*22	8
SPAX701R	Double Acting	700	0.15-1.16	255	1.7	26*13*22	8
SPAX702	Single Acting	700	0.15-3	510	4.5	33*21*20	13.9
SPAX702D	Double Acting	700	0.15-3	510	4.5	33*21*20	13.9
SPAX706	Single Acting	700	0.5-5	2000	8/12/20/33	33*21*20	13.9
SPAX706D	Double Acting	700	0.5-5	2000	8/12/20/33	33*21*20	13.9

Model	Pump Type	Pressure (bar)	Capacity (L)	Oil Discharge Per Stroke (cm ³)		Outlet Thread	Dimension (cm)	Weight (Kg)
				Low Pressure	High Pressure			
AHP701	Single Acting	700	0.2	12.9	1	3/8"-NPT	34*20*15	2.3
AHP702	Single Acting	700	0.75	12.9	2.3	3/8"-NPT	62.5*17*19	3.5
AHP703	Single Acting	700	1.6	12.9	2.3	3/8"-NPT	75*17*19	6
AHP703D	Double Acting	700	1.6	12.9	2.3	3/8"-NPT	75*17*19	7
AHP705	Single Acting	700	2.8	12.9	2.3	3/8"-NPT	60*14*19	16.5
AHP705D	Double Acting	700	2.8	12.9	2.3	3/8"-NPT	60*14*19	17
AHP706	Single Acting	700	7.45	126	4.75	3/8"-NPT	67.5*32*27	27
AHP706D	Double Acting	700	7.45	126	4.75	3/8"-NPT	67.5*32*27	27.7

Sockets and Hexagon Reducers

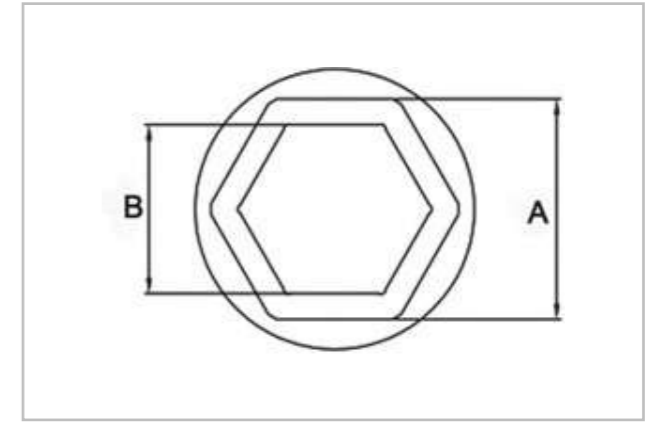
- 1 Made of special material, resistant and durable; Produce according to DIN standard
- 2 3121&3129;
- 3 Customized is acceptable;



Model	Drive Shaft (Inch)	Bolt Diameter (mm)	Across Flat (mm)	Dimension (mm)			Model	Drive Shaft (Inch)	Bolt Diameter (mm)	Across Flat (mm)	Dimension (mm)		
				L1	D1	D2					L1	D1	D2
HS124	3/4"	M16	S24	46	38	35	HS385	1-1/2"	M56	S85	114	130	90
HS127	3/4"	M18	S27	48	42	36	HS390	1-1/2"	M60	S90	116	138	92
HS130	3/4"	M20	S30	50	46	38	HS395	1-1/2"	M64	S95	120	145	94
HS134	3/4"	M22	S34	52	48	40	HS3100	1-1/2"	M68	S100	124	153	96
HS136	3/4"	M24	S36	54	52	42	HS3105	1-1/2"	M72	S105	126	160	100
HS141	3/4"	M27	S41	57	58	44	HS3110	1-1/2"	M76	S110	129	176	110
HS146	3/4"	M30	S46	60	64	46	HS3115	1-1/2"	M80	S115	133	182	116
HS150	3/4"	M33	S50	63	70	48	HS3120	1-1/2"	M85	S120	138	188	122
HS155	3/4"	M36	S55	66	76	50	HS3130	1-1/2"	M90	S130	148	199	133
HS230	1"	M20	S30	65	45	45	HS650	2-1/2"	M33	S50	76	114	114
HS234	1"	M22	S34	67	47	47	HS655	2-1/2"	M36	S55	99	114	114
HS236	1"	M24	S36	69	52	52	HS660	2-1/2"	M39	S60	102	114	114
HS241	1"	M27	S41	72	59	52	HS665	2-1/2"	M42	S65	105	114	114
HS246	1"	M30	S46	75	65	52	HS670	2-1/2"	M45	S70	108	114	114
HS250	1"	M33	S50	77	71	52	HS675	2-1/2"	M48	S75	113	116	116
HS255	1"	M36	S55	77	79	52	HS680	2-1/2"	M52	S80	120	123	120
HS260	1"	M39	S60	79	84	53	HS685	2-1/2"	M56	S85	124	130	124
HS265	1"	M42	S65	83	90	56	HS690	2-1/2"	M60	S90	126	138	128
HS270	1"	M45	S70	86	98	61	HS695	2-1/2"	M64	S95	130	145	132
HS275	1"	M48	S75	89	104	64	HS6100	2-1/2"	M68	S100	134	153	136
HS336	1-1/2"	M24	S36	79	63	69	HS6105	2-1/2"	M72	S105	138	160	140
HS341	1-1/2"	M27	S41	87	63	69	HS6110	2-1/2"	M76	S110	142	168	144
HS346	1-1/2"	M30	S46	90	69	69	HS6115	2-1/2"	M80	S115	146	175	148
HS350	1-1/2"	M33	S50	92	76	76	HS6120	2-1/2"	M85	S120	152	182	150
HS355	1-1/2"	M36	S55	92	82	82	HS6130	2-1/2"	M90	S130	156	196	152
HS360	1-1/2"	M39	S60	94	90	86	HS6135	2-1/2"	M95	S135	162	212	155
HS365	1-1/2"	M42	S65	97	99	86	HS6145	2-1/2"	M100	S145	167	228	158
HS370	1-1/2"	M45	S70	100	108	86	HS6150	2-1/2"	M105	S150	172	230	160
HS375	1-1/2"	M48	S75	103	116	86	HS6155	2-1/2"	M110	S155	177	232	160
HS380	1-1/2"	M52	S80	110	123	88	HS6165	2-1/2"	M115	S165	182	240	174

Sockets and Hexagon Reducers

- 1 Made of special material, resistant and durable;
- 2 Produce according to DIN standard 3121&3129;
- 3 Customized is acceptable;



Hydraulic Wrench Model	Work Head Model	Across Fla (mm)	Hexagon Reducers Specifications					
			A→B (mm)	A→B (mm)	A→B (mm)	A→B (mm)	A→B (mm)	A→B (mm)
2XLCT	2CT-50	50	50/46	50/41	50/36	50/32	50/30	50/27
	2CT-46	46	46/41	46/36	46/32	46/30	46/27	
	2CT-41	41	41/36	41/32	41/30	41/27		
	2CT-36	36	36/32	36/30	36/27			
	2CT-32	32	32/30	32/27				
	2CT-30	30	30/27					
4XLCT	4CT-65	65	65/60	65/55	65/50	65/46	65/41	65/36
	4CT-60	60	60/55	60/50	60/46	60/41	60/36	60/32
	4CT-55	55	55/50	55/46	55/41	55/36	55/32	55/30
	4CT-50	50	50/46	50/41	50/36	50/32	50/30	
	4CT-46	46	46/41	46/36	46/32	46/30	46/27	
	4CT-41	41	41/36	41/32	41/30	41/27		
	4CT-36	36	36/32	36/30	36/27			
	4CT-32	32	32/30	32/27				
	4CT-30	30	30/27					
8XLCT	8CT-90	90	90/85	90/80	90/75	90/70	90/65	90/60
	8CT-85	85	85/80	85/75	85/70	85/65	85/60	85/55
	8CT-80	80	80/75	85/70	85/65	85/60	85/55	85/50
	8CT-75	75	75/70	75/65	75/60	75/55	75/50	
	8CT-70	70	70/65	70/60	70/55	70/50		
	8CT-65	65	65/60	65/55	65/50			
	8CT-60	60	60/55	60/50				
	8CT-55	55	55/50					
8CT-50	50							

Hydraulic Wrench Model	Work Head Model	Across Fla (mm)	Hexagon Reducers Specifications					
			A→B (mm)	A→B (mm)	A→B (mm)	A→B (mm)	A→B (mm)	A→B (mm)
14XLCT	14CT-115	115	115/110	115/105	115/100	115/95	115/90	115/85
	14CT-110	110	110/105	110/100	110/95	110/90	110/85	110/80
	14CT-105	105	105/100	105/95	105/90	105/85	105/80	105/75
	14CT-100	100	100/95	100/90	100/85	100/80	100/75	100/70
	14CT-95	95	95/90	95/85	95/80	95/75	95/70	95/65
	14CT-90	90	90/85	90/80	90/75	90/70	90/65	
	14CT-85	85	85/80	85/75	85/70	85/65		
	14CT-80	80	80/75	80/70	80/65			
	14CT-75	75	75/70	75/65				
	14CT-70	70	70/65					
14CT-65	65							
18XLCT	18CT-135	135	135/130	135/120	135/115	135/110	135/105	135/100
	18CT-130	130	130/120	130/115	130/110	130/105	130/100	130/95
	18CT-120	120	120/115	120/110	120/105	120/100	120/95	120/90
	18CT-115	115	115/110	115/105	115/100	115/95	115/90	115/85
	18CT-110	110	110/105	110/100	110/95	110/90	110/85	110/80
	18CT-105	105	105/100	105/95	105/90	105/85	105/80	105/75
	18CT-100	100	100/95	100/90	100/85	100/80	100/75	
	18CT-95	95	95/90	95/85	95/80	95/75		
	18CT-90	90	90/85	90/80	90/75			
	18CT-85	85	85/80	85/75				
18CT-80	80	80/75						
18CT-75	75							
30XLCT	30CT-155	155	155/145	155/130	155/120	155/115	155/110	155/105
	30CT-145	145	145/130	145/120	145/115	145/110	145/105	145/100
	30CT-130	130	130/120	130/115	130/110	130/105	130/100	130/95
	30CT-120	120	120/115	120/110	120/105	120/100	120/95	120/90
	30CT-115	115	115/110	115/105	115/100	115/95	115/90	115/85
	30CT-110	110	110/105	110/100	110/95	110/90	110/85	110/80
	30CT-105	105	105/100	105/95	105/90	105/85	105/80	
	30CT-100	100	100/95	100/90	100/85	100/80		
	30CT-95	95	95/90	95/85	95/80			
	30CT-90	90	90/85	90/80				
30CT-85	85	85/80						
30CT-80	80							

Hydraulic Hoses

- ▣ Nylon core tube with polyester fiber reinforcement;
- ▣ Hoses are equipped with plastic hose guards; Withstands the minimum SAE bend radius without shortening service life;
- ▣ These hoses last up to seven times longer than rubber hose;
- ▣ Suitable for continuous service at temperatures from -30° to 130°;

HT70 (700bar)



HT70D (700bar)



HT180 (1800bar)



HT250 (2500bar)



HT250 (2500bar)



Model	Working Pressure (bar)	Burst Pressure (tons)	Working Temperature	Hose Type	Inner diameter (mm)	Outer diameter (mm)	Min. Bend radius (mm)	Weight (Kg)
H70	700	2800	-40-140°C	Single	9.7	18	120	500
H70D	700	2800	-40-140°C		9.7	18	120	1000
H180	1800	4500	-40-140°C	Double	4.7	11.5	130	280
H250	2500	6250	-40-140°C	Double	4.7	13	175	410
H300	3000	7000	-40-140°C	Double	3.9	11.5	140	290

Hydraulic Couplers

Screw-to-connect couplings :

- Robust screw-to-connect couplings with high flow rate and ability to withstand harsh conditions;
- Compliance with ISO14540 ensures complete interchangeability with other brands following the same standard;
- Higher flow performance high flow rate capacity high durability, Built to withstand harsh conditions;



Model	Working Pressure (bar)	Burst Pressure (bar)	Flow (L/min)	Working Temperature	Material Coupling	Nominal Diameter (mm)	Connection
232-1/4	700	2220	16.1	-30-130°C	Steel (Zinc)	5	1/4"NPT
232-3/8	700	1850	21.2	-30-130°C	Steel (Zinc)	7	3/8"NPT

Quick couplings for ultra high-pressure :

- All High-Pressure Hydraulic couplings and nipples are designed with a non-drip interface to minimize fluid spillage and air inclusion during connection and disconnection;
- Dust caps are a standard feature to protect hydraulic systems from contaminants;
- Higher flow performance high flow rate capacity high durability, Built to withstand harsh conditions;

115



116/125



135



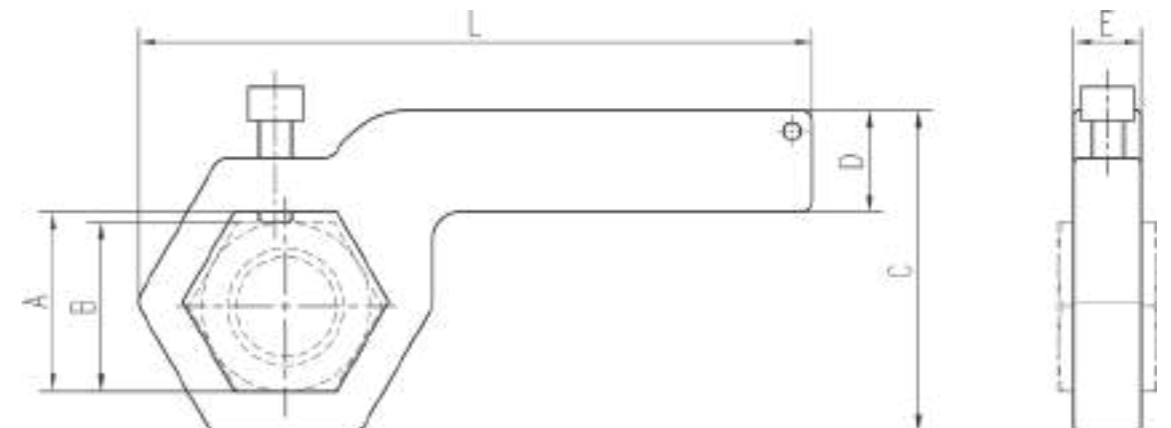
Model	Working Pressure (bar)	Burst Pressure (bar)	Flow (L/min)	Working Temperature	Material Coupling	Nominal Diameter (mm)	Connection
115	1000	2600	6	-30-130°C	Steel (Zinc)	2.5	1/4NPT
116	1500	3000	6	-30-130°C	Steel (Zinc)	2.5	G1/4"
125	2500	5000	5.8	-30-130°C	Steel (Zinc)	2.5	G1/4"
135	3000	6000	4.6	-30-130°C	Steel (Zinc)	2.5	M16*1.5

Backup Wrenches

- The BW Backup Wrench provides a simple and convenient solution for constraining the back nut in a wide range of bolting applications;
- This rugged steel wrench is available in a full range of metric and imperial sizes, all with a corrosion-resistant finish;
- The eye bolt is quick to adjust during setup and removal;



Model	Across Fla B (mm)	Across B (Inch)	Load Limits B (N.m)	Dimension (mm)	
				E	L
BW30	30	1-1/4"	3254	16	150
BW36	36	1-7/16"	3390	16	150
BW41	41	1-5/8"	4745	18	185
BW46	46	1-13/16"	4745	18	185
BW50	50	2"	5559	20	200
BW55	55	37331	5694	20	200
BW57	57	2-1/4"	5830	20	200
BW60	60	2-3/8"	5830	22	250
BW65	65	2-9/16"	6169	22	250
BW70	70	2-3/4"	7592	25	300
BW75	75	2-15/16"	8542	25	300
BW80	80	3-1/8"	9491	28	330
BW85	85	3-1/2"	9762	28	330
BW90	90	3-11/16"	9897	30	350
BW95	95	3-7/8"	12202	30	350
BW100	100	4"	32539	35	400
BW105	105	4-1/8"	32539	35	400
BW110	110	4-1/4"	32539	40	450
BW115	115	4-1/2"	36607	40	450
BW120	120	4-5/8"	36607	45	500
BW130	130	5"	36607	45	500



Innovative Solutions for Complex Structural Bolting Challenges Using Portable Torque Wrenches

HYDROTORC GERMANY GmbH



HYDROTORC OILFIELD EQUIPMENT & SERVICES LLC - ABU DHABI



HYDROTORC MIDDLE EAST - SAUDI ARABIA

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HYDROTORC

Electric Torque Gun

Small Volume

Light Weight

Fast Speed



Electric Shear Wrench

Characteristics

Light weight, smallest volume on same level shear wrench. Adapt well to narrow space, comfortable to operate

Electric Shear Wrench

Electric Shear Wrench SW-22LP



Electric Shear Wrench SW-24G



Electric Shear Wrench SW-27LP



Model	Max Current	Max Power consumption	Max Torque	RO Speed (min-1)	Weight (Main Body)	Adaptable Bolts DIA		
						S-10T	A325	A490
SW-22LP	8 A 16 A	1800 W	900 Nm. 664 lbs. Ft	20 rpm	5 Kg	M16, M20, M22	5/8", 3/4", 7/8"	5/8", 3/4", 7/8"
SW-24G	12 A 24 A	2800 W	1200 Nm. 886 lbs. Ft	15 rpm	6.5 Kg	M16, M20, M22, M24	5/8", 3/4", 7/8", 1"	3/4", 7/8", 1"
SW-27LP	8 A 16 A	1800 W	1800 Nm. 1328 lbs. Ft	10 rpm	6 Kg	M16, M20, M22, M24, M27	5/8", 3/4", 7/8", 1"	5/8", 3/4", 7/8", 1"

Two free sockets provided per shear wrench

Electric Shear Wrench

Electric Shear Wrench ESW-30LP



Electric Shear Wrench ESW-30G



Electric Shear Wrench ESW-36G



Model	Max Current	Max Power consumption	Max Torque	RO Speed (min-1)	Weight (Main Body)	Adaptable Bolts DIA		
						S-10T	A325	A490
ESW-30LP	8 A 16 A	1800 W	2100 Nm. 1550 lbs. Ft	6 rpm	6.6 Kg	M24, M27, M30	1", 1-1/8"	1", 1-1/8"
ESW-30G	12 A 24 A	2800 W	2500 Nm. 1845 lbs. Ft	5 rpm	8.7 Kg	M24, M27, M30	1", 1-1/8", 1-1/4"	1", 1-1/8", 1-1/4"
ESW-36G	12 A 24 A	2800 W	3500 Nm. 2583 lbs. Ft	2.5 rpm	12.5 Kg	M30, M33, M36	1-1/4", 1-3/8", 1-1/2"	1-1/4", 1-3/8", 1-1/2"

Two free sockets provided per shear wrench

www.hydratorc.com

Corner Type Electric Shear Wrench

Corner Type Electric Shear Wrench LCS-22B



Corner Type Electric Shear Wrench LCS-24B



Corner Type Electric Shear Wrench LCS-30B



Model	Max Current	Max Power consumption	Max Torque	RO Speed (min-1)	Weight (Main Body)	Adaptable Bolts DIA		
						S-10T	A325	A490
LCS-22B	8 A 16 A	1800 W	900 Nm. 664 lbs. Ft	18 rpm	5 Kg	M16, M20, M22	5/8", 3/4", 7/8"	5/8", 3/4", 7/8"
LCS-24B	8 A 16 A	1800 W	1500 Nm. 1107 lbs. Ft	9 rpm	5.5 Kg	M20, M22, M24	3/4", 7/8", 1"	3/4", 7/8", 1"
LCS-30B	8 A 16 A	1800 W	2100 Nm. 1550 lbs. Ft	8 rpm	6.5 Kg	M16, M20, M22, M24, M27, M30,	5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4"	5/8", 3/4", 7/8", 1"

Two free sockets provided per shear wrench

NEW



Lithium Battery Shear Wrench

Fast Speed : 21 rpm
 Long lasting battery life : 1200 Bolts (5/8")
 3 choices for pre-fasten : 30% 50% 70%

Model	Voltage	RO Speed (min-1)	Weight (Main Body)	Max Torque	Adaptable Bolts DIA		
					S-10T	A325	A490
BSi-24	48V	21 rpm	5 Kg	1200 Nm. 886 lbs. Ft	M16, M20, M22, M24,	5/8", 3/4", 7/8", 1"	5/8", 3/4", 7/8"

Each wrench provide 2 sockets, one of them will be set on the wrench.
 Weight without socket and battery.

www.hydrotorc.com



Foldable Manual Shear Wrench

Small Volume

Foldable

Easy to carry

Model	Weight (Main Body)	Max Torque	Adaptable Bolts DIA
MSW-20	2 Kg	640 Nm. 472 lbs. Ft	3/4", 5/8", 1/2"

HYDROTORC

Manual Shear Wrench

Manual Shear Wrench MSW-22



Manual Shear Wrench MSW-24



Manual Shear Wrench MSW-30



Characteristics

It is suitable for situations that the number of bolts is small or the electric wrench cannot be used due to the narrow construction space

Model	Max Torque	Weight	Adaptable Bolts DIA		
			S-10T	A325	A490
MSW-22	700 Nm. 517 lbs. Ft	2.5 Kg	M12, M16, M20, M22	1/2", 5/8", 3/4", 7/8"	1/2", 5/8", 3/4"
MSW-24	900 Nm. 664 lbs. Ft	3 Kg	M16, M20, M22, M24	5/8", 3/4", 7/8", 1"	5/8", 3/4", 7/8"
MSW-30	2100 Nm. 1550 lbs. Ft	4.5 Kg	M24, M27, M30	1", 1-1/8", 1-1/4"	1", 1-1/8"

Each wrench provide 2 sockets, one of them will be set on the wrench.

www.hydratorc.com

Electric Torque Wrench



HYDROTORC

Electric Torque Wrench

Electric Torque Wrench ETL-3B



Electric Torque Wrench ETL-5B



Electric Torque Wrench ETL-10LP



Characteristics

Small volume, light weight, easy to control. Adopt digital controller, accurate and reliable

Model	Max Current	Max Power consumption	Torque Range	RO Speed (min-1)	Weight (Main Body)	Square Drive	Adaptable Bolts DIA		
							S-10T	A325	A490
ETL-3B	6 A 12 A	1300 W	100-300 Nm. 74-221 lbs. Ft	24 rpm	4.4 Kg	19X19mm (3/4"X3/4")	M12, M16	1/2", 5/8"	1/2"
ETL-5B	7 A 14 A	1650 W	200-500 Nm. 148-369 lbs. Ft	15.5 rpm	4.5 Kg	19X19mm (3/4"X3/4")	M16, M20	5/8", 3/4"	5/8"
ETL-10LP	7 A 14 A	1650 W	300-1000 Nm. 221-738 lbs. Ft	14 rpm	5 Kg	25.4X25.4mm (1"X1")	M20, M22, M24	3/4", 7/8", 1"	3/4", 7/8"

No free socket provided

www.hydratorc.com

Electric Torque Wrench

Electric Torque Wrench ETL-12LP



Electric Torque Wrench ETL-18LP



Electric Torque Wrench ETL-21LP



Characteristics

Compact and lightweight, with digital torque control for high accuracy and stability, capable of independently managing torque and angle, making it ideal for high-altitude and tight-space tasks.

Model	Max Current	Max Power consumption	Torque Range	RO Speed (min-1)	Weight (Main Body)	Square Drive	Adaptable Bolts DIA		
							S-10T	A325	A490
ETL-12LP	8 A 16 A	1800 W	500-1200 Nm. 369-886 lbs. Ft	9 rpm	5.5 Kg	25.4X25.4mm (1"X1")	M22, M24	7/8", 1"	1/2"
ETL-18LP	7 A 14 A	1650 W	500-1800 Nm. 369-1328 lbs. Ft	7.5 rpm	5.5 Kg	25.4X25.4mm (1"X1")	M22, M24, M27	7/8", 1", 1-1/8"	5/8"
ETL-21LP	8 A 16 A	1800 W	900-2100 Nm. 664-1550 lbs. Ft	6 rpm	6.6 Kg	25.4X25.4mm (1"X1")	M27, M30	1-1/8", 1-1/4"	3/4", 7/8"

No free socket provided

Electric Torque Wrench

Electric Torque Wrench ETL-25G



Electric Torque Wrench ETL-35L



Electric Torque Wrench ETL-40G



Model	Max Current	Max Power consumption	Torque Range	RO Speed (min-1)	Weight (Main Body)	Square Drive	Adaptable Bolts DIA		
							S-10T	A325	A490
ETL-25G	12 A 24A	2800 W	1000-2500 Nm. 738-1845 lbs. Ft	5 rpm	8.5 Kg	38X38mm (1-1/2"X1-1/2")	M27, M30, M33	1/1-8", 1/1-4", 1/3-8"	1/1-8", 1/1-4"
ETL-35L	12 A 24A	2800 W	1500-3500 Nm. 1107-2583 lbs. Ft	3.5 rpm	11 Kg	38X38mm (1-1/2"X1-1/2")	M30, M33, M36	1/1-4", 1/3-8", 1-1/2"	1/1-4", 1/3-8"
ETL-40G	12 A 24A	2800 W	1000-4000 Nm. 738-2952 lbs. Ft	4 rpm	10.6 Kg	38X38mm (1-1/2"X1-1/2")	M27, M30, M33, M36, M42	1/1-8", 1/1-4", 1/3-8", 1-1/2", 1-5/8"	1/1-8", 1/1-4", 1/3-8", 1-1/2", 1-5/8"

No free socket provided

www.hydratorc.com

Electric Torque Wrench

Electric Torque Wrench ETL-60G



Electric Torque Wrench ETL-100G



Electric Torque Wrench ETL-150G



Model	Max Current	Max Power consumption	Torque Range	RO Speed (min-1)	Weight (Main Body)	Square Drive	Adaptable Bolts DIA		
							S-10T	A325	A490
ETL-60G	8 A 16 A	1800 W	1500-6000 Nm. 1107-4428 lbs. Ft	1.5 rpm	15.3 Kg	38X38mm (1-1/2"X1-1/2")	M36, M42, M45, M48	1-1/2", 1-5/8", 1-3/4", 2"	1-1/2", 1-5/8", 1-3/4", 2"
ETL-100G	8 A 16 A	1800 W	3000-10000 Nm. 2214-7380 lbs. Ft	1.5 rpm	15.3 Kg	38X38mm (1-1/2"X1-1/2")	M42, M45, M48, M52, M56	1-5/8", 1-3/4", 2", 2-1/8", 2-1/4"	1-5/8", 1-3/4", 2", 2-1/8", 2-1/4"
ETL-150G	12 A 24 A	2800 W	5000-15000 Nm. 3690-11070 lbs. Ft	0.5 rpm	21 Kg	50X50mm (2"X2")	M48, M52, M56, M60	2", 2-1/8", 2-1/4", 2-1/2"	2", 2-1/8", 2-1/4"

No free socket provided



Corner Type Electric Torque Wrench

Corner Type Electric Torque Wrench NSTW-9B



Corner Type Electric Torque Wrench NSTW-21B



Corner Type Electric Torque Wrench

Characteristics

Special corner design, perfect for narrow space work

50-60Hz

220V/115V

www.hydrotorc.com

Model	Max Current	Max Power consumption	Torque Range	RO Speed (min-1)	Weight (Main Body)	Adaptable Bolts DIA		
						S-10T	A325	A490
NSTW-9B	8 A 16 A	1800 W	400- 900 Nm. 295-664 lbs. Ft	20 rpm	5.5 Kg	M20, M22, M24	3/4", 7/8", 1"	3/4", 7/8"
NSTW-21B	8 A 16 A	1800 W	900-1200 Nm. 664-1550 lbs. Ft	8 rpm	7 Kg	M27, M30	1-1/8", 1-1/4"	1-1/8"

Each wrench provide 1 socket, it will be set on the wrench.

Electric Torque Wrench

Electric Torque Wrench HTN-3B



Electric Torque Wrench HTN-5B



Electric Torque Wrench HTN-10LP



Characteristics

Small volume, light weight, easy to control. Adopt digital controller, accurate and reliable

Model	Max Current	Max Power consumption	Torque Range	RO Speed (min-1)	Weight (Main Body)	Protect Class	Adaptable Bolts DIA		
							S-10T	A325	A490
HTN-3B	6 A 12 A	1300 W	100-300 Nm. 74-221 lbs. Ft	24 rpm	4.4 Kg	Double Insulation	M12, M16	1/2", 5/8"	1/2"
HTN-5B	7 A 14 A	1650 W	200-500 Nm. 148-369 lbs. Ft	15.5 rpm	4.5 Kg	Double Insulation	M16, M20	5/8", 3/4"	5/8"
HTN-10LP	7 A 14 A	1650 W	300-1000 Nm. 221-738 lbs. Ft	14 rpm	5 Kg	Double Insulation	M20, M22, M24	3/4", 7/8", 1"	3/4", 7/8"

No free socket provided

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Electric Torque Wrench

Electric Torque Wrench HTN-12LP



Electric Torque Wrench HTN-18LP



Electric Torque Wrench HTN-21LP



Characteristics

Compact and lightweight, ideal for high-altitude or tight-space work, with digital torque control ensuring high accuracy and stability, and independent management of torque and rotational angle.

Model	Max Current	Max Power consumption	Torque Range	RO Speed (min-1)	Weight (Main Body)	Protect Class	Adaptable Bolts DIA		
							S-10T	A325	A490
HTN-12LP	8 A 16 A	1800 W	500-1200 Nm. 369-886 lbs. Ft	9 rpm	5.5 Kg	Double Insulation	M22, M24	7/8", 1"	7/8", 1"
HTN-18LP	8 A 16 A	1800 W	500-1800 Nm. 369-1328 lbs. Ft	10 rpm	5.5 Kg	Double Insulation	M22, M24, M27	7/8", 1", 1-1/8"	7/8", 1"
HTN-21LP	8 A 16 A	1800 W	900-2100 Nm. 664-1550 lbs. Ft	6 rpm	6.6 Kg	Double Insulation	M27, M30	1-1/8", 1-1/4"	1-1/8", 1-1/4"

No free socket provided

Electric Torque Wrench

Electric Torque Wrench HTN-25G



Electric Torque Wrench HTN-35L



Model	Max Current	Max Power consumption	Torque Range	RO Speed (min-1)	Weight (Main Body)	Protect Class	Adaptable Bolts DIA		
							S-10T	A325	A490
HTN-25G	12 A 24 A	2800 W	1000-2500 Nm. 738-1845 lbs. Ft	5 rpm	8.5 Kg	Double Insulation	M27, M30, M33	1-1/8", 1-1/4", 1-3/8"	1-1/8", 1-1/4"
HTN-35L	12 A 24 A	2800 W	1500-3500 Nm. 1107-2583 lbs. Ft	3.5 rpm	11 Kg	Double Insulation	M30, M33, M36	1-1/4", 1-3/8", 1-1/2"	1-1/4", 1-3/8"

One free socket provided each wrench

www.hydratorc.com

NEW



Lithium Battery Torque Wrench

- Latest 48V/3Ah lithium-ion battery technology.
- More user-friendly OLED display.
- Built-in sensing system ensures high accuracy(±3%).
- Automatic release of reaction arm.
- Torque and Rotation angle can be controlled separately.
- Data storage and upload.

Model	Voltage	RO Speed (min-1)	Weight (Main Body)	Min Torque	Max Torque	Square Drive
HDS-1500	48V	14 rpm	5 Kg	200 Nm. 148 lbs. Ft	1500 Nm. 1107 lbs. Ft	25.4 x 25.4mm (1"x1")

Wrench without socket. Weight without socket and battery

HYDRATORC

Portable Bolt Torque Tester

Portable Bolt Torque Tester SF-2000



Portable Bolt Torque Tester SF-5000



Characteristics

Lightweight and compact, ideal for torque detection of high-strength bolts, with one-handed operation, high torque amplification, and precise, reliable sensor data.

Model	Max Torque	Detection Range	CA	Gear Ratio	Weight	Square Drive	Adaptable Bolts DIA
SF-2000	2000 Nm. 1476 lbs. Ft	50-2000 Nm. 37-1476 lbs. Ft	±1%	1:18	6 Kg	12.7x12.7mm 1/2"x1/2"	M20, M22, M24, M27, M30, 3/4", 7/8", 1", 1-1/8" 1-1/4"
SF-5000	5000 Nm. 3690 lbs. Ft	50-5000 Nm. 37-3690 lbs. Ft	±3%	1:15	16 Kg	19x19mm 3/4"x3/4"	M22, M24, M27, M30, M33, M36, M42, 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8"

One free socket provided per tester.

www.hydratorc.com

Electric Tension and Torque Calibrator



Characteristics

Electric sensor, high accuracy, not influenced by temperature. Light weight, portable, convenient for project test

Model	Torque Range	Tension Range	CA	Weight (Main Body)	Adaptable Bolts DIA
PN-53	50-3000 Nm. 37-2214 lbs. Ft	50-2000 Nm. 37-1476 lbs. Ft	±1%	26 Kg	M16(5/8"), M20(3/4"), M22(7/8"), M24(1"), M27(1-1/8"), M30(1-1/4")
PN-85	50-5000 Nm. 37-3690 lbs. Ft	50-5000 Nm. 37-3690 lbs. Ft	±3%	28 Kg	M16(5/8"), M20(3/4"), M22(7/8"), M24(1"), M27(1-1/8"), M30(1-1/4"), M33(1-3/8"), M36(1-1/2")

One free accessory provided per calibrator.

Electric Tension Calibrator

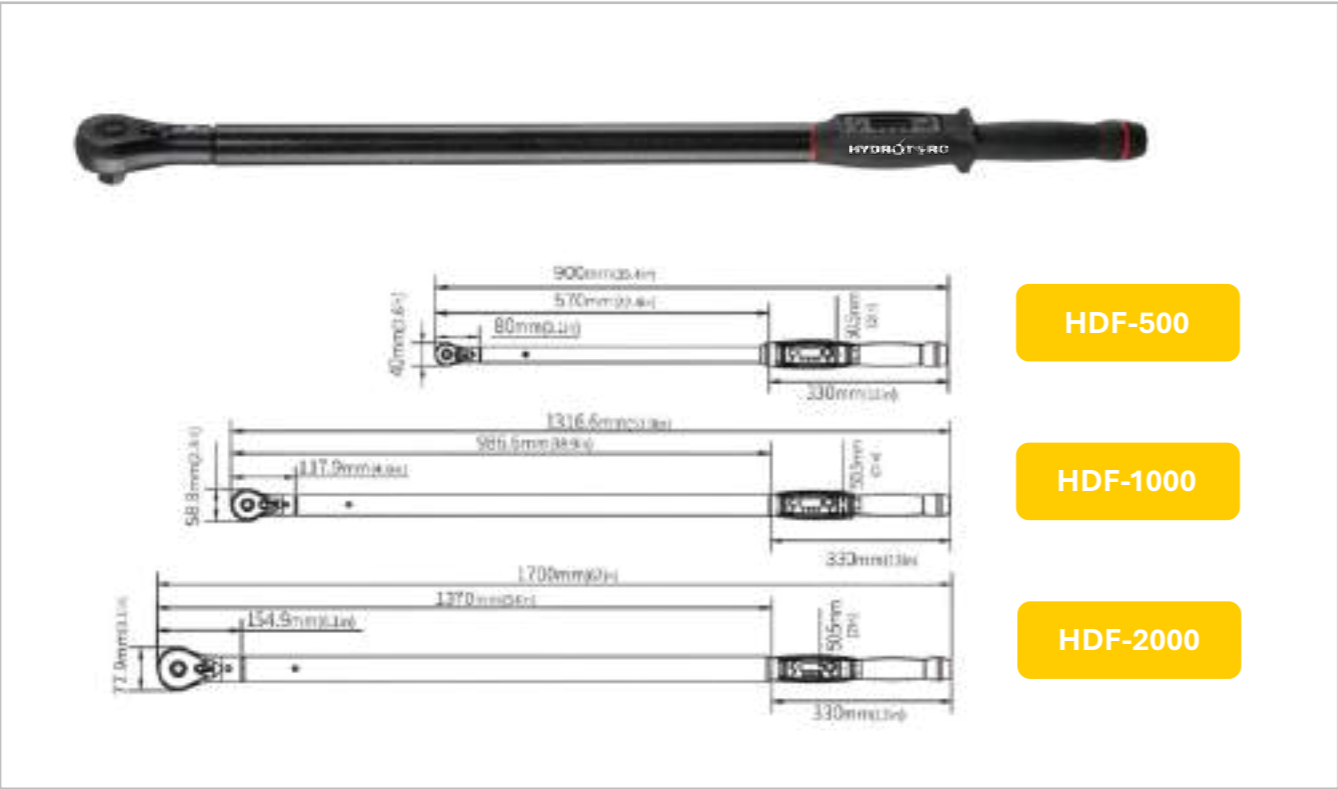
Model	Tension Range	CA	Weight (Main Body)	Adaptable Bolts DIA
P-500	0-500KN	±2%	11.5 Kg	M16(5/8"), M20(3/4"), M22(7/8"), M24(1"), M27(1-1/8"), M30(1-1/4")
P-800	0-800KN	±2%	15 Kg	M16(5/8"), M20(3/4"), M22(7/8"), M24(1"), M27(1-1/8"), M30(1-1/4"), M33(1-3/8"), M36(1-1/2")

One free accessory provided per calibrator.



HYDROTORC

Digital Manual Torque Wrench

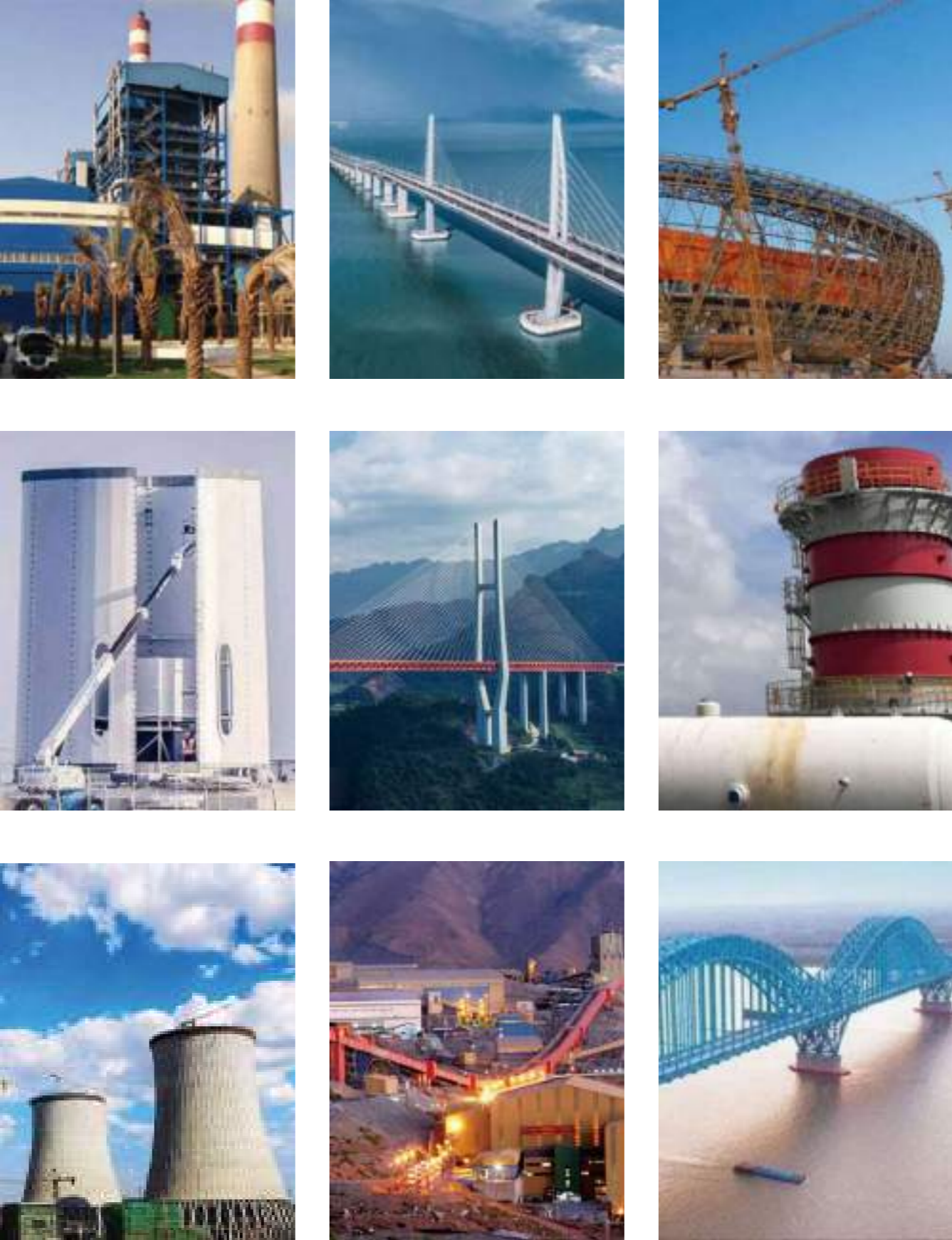


Characteristics

Lightweight and compact, ideal for torque detection of high-strength bolts, with one-handed operation, high torque amplification, and precise, reliable sensor data.

Model	Torque Range	Side Lenon Size	Size (Length)	CA	Weight	Division Value
HDF-500	50-500 Nm. 37-369 lbs. Ft	12.7X12.7mm 1/2"X1/2"	900mm	±1%	1.8 Kg	1 Nm.
HDF-1000	5000 Nm. 3690 lbs. Ft	19X19mm 3/4"X3/4"	1317mm	±1%	3.3 Kg	1 Nm.
HDF-2000	200-2000 Nm. 148-1476 lbs. Ft	25.4X25.4mm 1"X1"	1700mm	±1%	7 Kg	1 Nm.

Classic Engineering





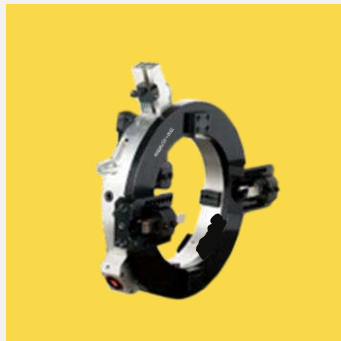


HYDROTORC

Hydrotorc split frame clamshell cold cutting and beveling machines 0.5" to 120" HTCC Series.



Mini Split Frame Pipe
Cutting & Beveling
Machine Range: 0.5"
to 6" (12.5-152.4mm)



Standard Range Pipe
Cutting & Beveling
Machine Range: 1" to
48" (25.4-1240mm)



Large Diameter Pipe
Cutting & Beveling
Machine Range: 12" to
120" (305-3050mm)

Split Frame Clamshell Cold Cutting And Beveling Machines 0.5" To 120"

Portable O/D Locking
Cold Pipe Cutting and Beveling Machines

RANGE: 0.5" to 120" Pipe Diameter (12.5 - 3050mm)
Larger sizes and customized machines available upon request

Functions

External
Beveling

Internal
Beveling

Counter
Boring

Compound
Bevels

J-prep
Beveling

- ▶ Materials: Any kind of steel and exotic alloy
- ▶ Power: Pneumatic, electric (110v or 220v), hydraulic or servo electric motor



Pneumatic
driven
cold cutting
machine



Electric & servo
driven
cold cutting
machine



Hydraulic
driven
cold cutting
machine

➤ HYDROTORC Split Frame Clamshells: Precision, Versatility, and Durability

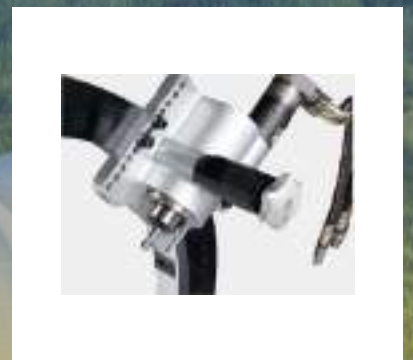
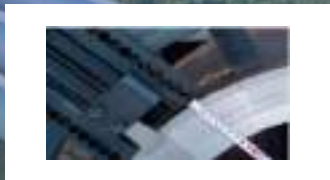
HYDROTORC's latest range of split frame clamshells are advanced portable lathes engineered for high-performance field machining. These machines offer exceptional versatility, capable of simultaneously cutting and beveling, as well as performing facing, counterboring and external diameter (OD) machining on pipes, vessels, Exchangers shell of virtually 1" to 120" Range.

Constructed with a lightweight aluminum body that houses a robust steel inner ring gear supported by heavy-duty bearings, these clamshells combine portability with exceptional strength and durability. Wide, hardened clamping feet with clearly marked measurement rules allow for fast, repeatable and concentric setups, even on out-of-round pipes and joints ensuring consistent accuracy in demanding environments.

A comprehensive range of tooling, power units and accessories is available, enabling you to configure each machine to meet the specific requirements of your job.

Features & Advantages

- 1 Various models cover a range from 1" (25.4 mm) to 72" (1,828 mm) Pipe Diameter
- 2 Pneumatic, hydraulic, standard electric and NC servo electric drive options provide increased versatility.
- 3 Adjustable heavy duty bearings, combined with easy access maintenance points allow inspection and adjustment.
- 4 Clamping feet are quickly and easily adjusted via a flush hex head through the outer ring. Feet feature easy read measure marks for rapid setup and adjustment
- 5 HT split frame clamshells accept a wide range of accessories to increase performance and expand machine capabilities
- 6 Unique 'HT transmission' tool slides with changeable gears for adjustable radial tool feed



Bridge slide : To bevel pipe with big thickness and facing

Pipe outer wall axial processing tool post to removal of anti-corrosion layer and turning

Features



HYDROTORC advanced cam roller bearing system enables fine adjustment of bearings for optimal performance and maintenance delivering smooth precise rotation.



Using the latest high grade Aluminium along with treated steel crown the HYDROTORC split frames are designed for heavy duty Industrial on-site use.



Quick lock/unlock splitting hinge to enable fast setup of machine onto pipes in-situ.



Standard wooden box used to supply the machine, however, custom made metal box with foam insert to insure protection of the machine (up to HTCC-24) on special request and order.



HYDROTORC advanced feeding system delivers feed through worm and crown to evenly distribute pressure through the feeding screw, resulting in reduced vibration and wear on cutting tools.



Two bolt motor mount enables fast mounting of motors. All power drives utilise the same drive block.



Modular block jaws

Modular locking system with HYDROTORC advanced external metal plate to take pressure away from aluminium ring, clamping Foot size 40 x 60mm.



Telescopic jaws

Telescopic locking system externally mounted to keep aluminium ring solid for extra strength, increased Clamping foot size 55 x 115mm for fast accurate setup.



Single/double striker enables feeding of 0.1/0.2mm per revolution, also utilizing HYDROTORC extended engaging handle meaning hands free operation.

➤ DRIVE UNITS: versatile motor and drive configurations to suit every job site.

To accommodate the diverse demands of job sites around the world, HYDROTORC clamshell motors and drive systems are offered in a wide range of configurations. Drive motors are available in servo-electric, hydraulic, pneumatic and standard electric variants, providing flexibility to match specific operational requirements.

Motor mounting flanges are available in multiple orientations, including straight-back (in-line), right-angle, and front-drive reversible options ensuring optimal adaptability for space-constrained or complex setups.



Servo Controller for Fast Cutting



Electric Motor Drive



Pneumatic Motor Drive



Servo Motor



Hydraulic Motor

➤ Toolboxes and accessories

The tool slides are available in various configurations to accept the full range of HT tooling



Standard tool post:

Low profile, light weight, for tight access situations. Utilising standard HT HSS cobalt tooling. **For cutting and beveling all materials up to 120mm / 4.7" wall thickness.**



Spring loaded O/D tracking

A bearing wheel housed in the tool slide, is compressed to the o/d of the pipe by 2 x 150lb springs, ensuring an even, accurate weld prep and root face, by tracking the o/d contour of the pipe especially advantageous for large diameters and out of round pipe. **For cutting and beveling all materials of up to 20mm / 0.8" wall thickness.**



Counter bore tool slide

The counter bore slide module accessory bolts directly to the standard tool slide and can be installed immediately upon completion of the cut and external bevel, to remove any internal inconsistencies prior to welding. The counter bore tool slide can be adjusted from 0 to 45 degree and has 150mm / 6" feed.

Tooling

Schematic View



Cutting Only



Cutting & RH beveling



Cutting & LH beveling



Cutting & compound beveling



Beveling only



Inner beveling and boring



V groove



J groove



Compound groove



Counter boring



Fixed angle bevel



Compound bevel






J prep





HYDROTORC's HSS Co range of tooling includes sever/cut, bevel, double-bevel, compound bevel, J-prepping and counter bore tools. HT tooling is available in a range of different lengths and sizes, to match tooling with application precisely.

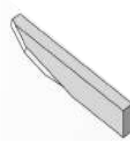

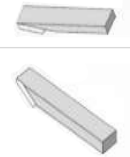
HT holder and insert tooling enables sever/cut, bevel, compound bevel and counter bore tools many holders utilise the same interchangeable inserts reducing the quantity of consumable parts.

HT also offers custom designed tooling, special tool steel for applications not covered by its standard range of tooling.



Cutting tools			
Description	Part Number	Application	Sketch
M42 Cutting tool 5X25X100mm	HT42-5100	Standard cutting, for most materials up to 30mm Use on the standard tool box	
M42 Cutting tool 6X25X100mm	HT42-6100	Standard cutting, for most materials up to 30mm Use on all tool box	
M42 Cutting tool 6X25X150mm	HT42-6150	Cutting tool, for most material up to 60mm Single blade Use on stand tool box or Heavywall tool box	
M42 Cutting tool 6X25X200mm	HT42-6200	Cutting tool, both ends have blade for most material Use on heavy wall tool box	
M42 Cutting tool 8X25X200mm	HT42-8200	Longer cutting tool, both ends have blade for most material Use on heavy wall tool box	

Beveling tools			
Description	Part Number	Application	Sketch
M42 Beveling tool Right hand 12X20X100mm	HT42-RH1220-30°	Right hand standard beveling tool for most materials. Up to 30mm use on the standard toolbox	
	HT42-RH1220-32.5°		
	HT42-RH1220-35°		
	HT42-RH1220-37.5°		
M42 Beveling tool Right hand 25X25X100mm	HT42-RH2525100-30°	Right hand use on the tracking toolbox or heavy wall toolbox	
	HT42-RH2525100-37.5°		
M42 Beveling tool Left Hand 12X20X100mm	HT42-LH1220-30°	Left hand standard beveling tool for most materials. Up to 30mm use on the standard toolbox	
	HT42-LH1220-37.5°		

Compound Beveling Tool

Description	Part Number	Application	Sketch
M42 compound beveling tool 12x20x150mm	HT42-RHCB1220150-10°x30°	Right hand 10° x 30°, For most material, upto 30mm Use on the standard toolbox	
	HT42-RHCB1220150-10°x37.5°	Right hand 10° x 37.5° as per ASME B[16].25 For most material, up to 30mm Use on the standard toolbox	
M42 Compound Beveling tool 25X25X150mm	HT42-RHCB2525150-10°x30°	Right hand 10° x 30°, For most material, upto 60mm Use on Heavy wall toolbox	
	HT42-RHCB2525150-10°x37.5°	Right hand 10° x 37.5° as per ASME B[16].25 For most material, up to 60mm Use on Heavy wall tool box	
M42 Beveling tool 12x25x150mm	HT42-RH1225150-10°	Recommend solution for heavywal beveling/ Compound beveling For most material. Use on heavy wall toolbox, step by step procedure	
	HT42-RH1225150-30°		
	HT42-RH1225150-37.5°		

Counterboring Tool

Description	Part Number	Application	Sketch
M42 Counterboring tool	HT42-08305	Straight Boring Use on counter boring tool box	
M42 Counterboring tool	HT42-0830-12°	12Deg. Boring Use on counter boring tool box	
	HT42-0830-15°	15Deg. Boring Use on counter boring tool box	



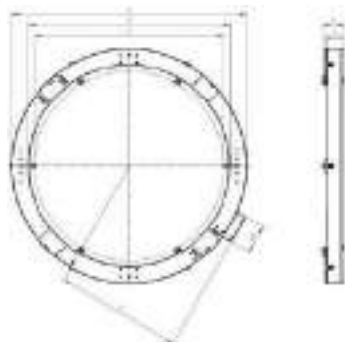
Ring Dimensions

		HTCC 6	HTCC 8	HTCC 12	HTCC 16	HTCC 18	HTCC 20	HTCC 24	HTCC 30	HTCC 36	HTCC 42	HTCC 48
O/D Range	inch	1-6"	2-8"	6-12"	10-16"	12-18"	14-20"	18-24"	24"-30"	30"-36"	36"-42"	42"-48"
A	mm	184.00	235.00	350.00	425.00	477.00	528.00	640.00	800.00	956.00	1108.00	1280.00
B	mm	283.00	308.50	396.00	433.50	459.50	485.00	541.00	635.00	713.00	789.00	895.00
C MIN	mm	187.00	212.50	270.00	307.50	333.50	359.00	415.00	523.50	601.50	677.50	783.50
C MAX	mm	197.00	222.50	356.00	393.50	419.50	445.00	501.00	615.00	693.00	769.00	875.00
D	mm	340.00	391.00	506.00	581.00	633.00	684.00	796.00	1180.00	1336.00	1488.00	1800.00
E	mm	78.00	78.00	78.00	78.00	78.00	78.00	78.00	100.00	100.00	100.00	120.00
F	mm	195.50	195.50	195.50	195.50	195.50	195.50	195.50	267.50	267.50	267.50	277.50
G	mm	124.00	124.00	124.00	124.00	124.00	124.00	124.00	196.00	196.00	196.00	206.00
X	mm	130.00	130.00	210.00	210.00	210.00	210.00	210.00	255.00	255.00	255.00	265.00

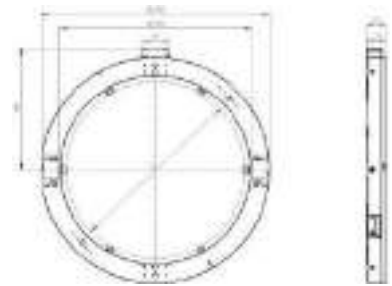
Low clearance options or custom machines available on request in case of access restrictions

F Ring Only	195.50	195.50	195.50	195.50	195.50	195.50	195.50	195.50	267.50	267.50	267.50	267.50
F Pneumatic Motor	535.50	535.50	535.50	535.50	535.50	535.50	535.50	535.50	727.60	727.60	727.60	727.60
F Servo Motor	525.50	525.50	525.50	525.50	525.50	525.50	525.50	525.50	642.50	642.50	642.50	642.50
F Hydraulic Motor	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00	425.00

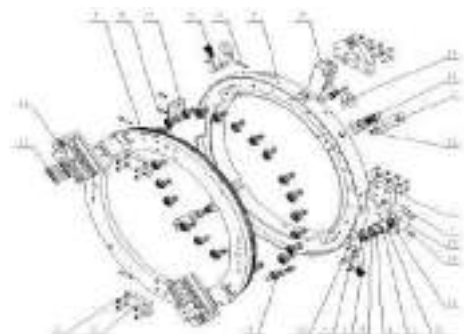
Right angle drive motors are available on request (extra at cost)



HTCC6 - HTCC24



HTCC30 - HTCC48



Split Frame Technical Features

	HTCC6	HTCC8	HTCC12	HTCC16	HTCC18	HTCC20	HTCC24	HTCC30	HTCC36	HTCC42	HTCC48	
Locking Range (inch Ø d)	1"-6"	2"-8"	2"-12"	10"-16"	12"-18"	14"-20"	18"-24"	24"-30"	30"-36"	36"-42"	42"-48"	
Locking Range (mm Ø d)	33.7-184.3	60.3-203	60.3-323.9	273-425	323.8-457.2	355.6-508	457.2-609.6	609.6-762	762-914.4	914.4-1066.8	1066.8-1219	
Ring Only Weight (kg)	23	32	46	53	58	62	76	183	204	242	323	
Toolbox Stroke (mm)	60	60	90	90	90	90	90	90	90	90	90	
Motor Mount Positions (qty)	1	1	1	2	2	2	2	2	2	4	4	
Striker Mount Positions (qty)	1	1	2	2	2	2	2	2	2	4	4	
Bearing size (S/L)	S	S	S	S	S	S	S	L	L	L	L	
Spline Drive Size (mm)	16	16	16	16	16	16	16	25	25	25	25	
Pneumatic Idle Speed (rpm)	5-36	5-28	5-21	5-18	5-17	5-16	5-15	2	2	1.7	1.6	
Electric Idle Speed (rpm)	5-20	5-16	5-12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Servo Electric Idle Speed (rpm)	n/a	1-45	1-36	1-23	1-21	1-19	1-18	1-9	1-8	1-7	1-6	
Hydraulic Idle Speed (rpm)	5-30	5-28	5-25	5-20	5-19	5-17	5-16	1-8	1-8	1-8	1-7	
Pneumatic Motor Power (hp)	1.85	1.85	1.85	1.85	1.85	1.85	1.85	3.5	3.5	3.5	3.5	
Double Pneumatic Motor(s) Power (hp)	n/a	n/a	n/a	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
Electric Motor Power (watt)	1900	1900	1900	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Single Servo Electric Motor Power (kW)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Double Servo Electric Motor(s) Power (kW)	n/a	n/a	n/a	3	3	3	3	3	3	3	3	
Hydraulic Motor Power (hp)	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	
Electric / Servo Electric Voltage (V)	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	110 / 220	
Electric / Servo Electric Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	
Air Working Pressure (psi / bar)	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	90 / 6.5	
Air hose Connection (inch)	¼	¼	¼	¼	¼	¼	¼	¼	¼	¼	¼	
Air Consuming Flux (Double x2) (cfm / LPM)	50 / 1400						90 / 2500					
Feed Rate per Revolution (mm / inch)	0.2 / 0.008						0.2 / 0.008					
Locking System	MODULAR						TELESCOPIC					

Our group policy is one of continuous improvement. Products and data tables are subject to change or vary from those illustrated.

- 1 All complete machines are supplied with: machine ring/body, motor, tool boxes, striker, lockingjaws, machine box, service tools.
- 2 A protective custom built metal box is supplied with HTCC6 - HTCC24, all larger sizes aresupplied in a custom built wooden box.
- 3 Drawings, instruction manual and warranty certificate are also supplied as standard.
- 4 Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.

Split Frame Packing weights & Dimensions

	MEASUREMENT	HTCC6	HTCC8	HTCC12	HTCC16	HTCC18	HTCC20	HTCC24	HTCC30	HTCC36	HTCC42	HTCC48
Pneumatic	(kg/lbs)	(167/368)	(177/390)	(197/434)	(238/525)	(241/531)	(249/549)	(262/578)	(300/661)	(335/738)	(375/826)	(445/981)
Double Pneumatic	(kg/lbs)	n/a	n/a	n/a	(258/569)	(261/575)	(269/593)	(282/622)	(320/705)	(355/782)	(395/870)	(465/1,002)
Single Servo Electric	(kg/lbs)	(182/401)	(182/401)	(212/467)	(253/558)	(256/564)	(264/582)	(277/611)	(315/694)	(345/760)	(385/848)	(455/1,003)
Double Servo Electric	(kg/lbs)	n/a	n/a	n/a	(283/624)	(286/631)	(289/637)	(307/677)	(345/760)	(380/837)	(420/926)	(490/1,080)
Hydraulic	(kg/lbs)	(162/357)	(172/379)	(192/423)	(233/514)	(236/520)	(244/538)	(257/567)	(290/639)	(320/705)	(365/805)	(435/960)
Packing Dimensions	L x W x H mm	1,200 x 900 x 470			1,450 x 1,000 x 510			1,460 x 1,460 x 500			1,600 x 1,600 x 500	1,960 x 1,960 x 500

Introduction

HYDROTORC's new split frame clamshells are essentially portable lathes. Offering the versatility to cut and bevel (simultaneously if required), face, counterbore and o/d machine pipes (and vessels) of almost any diameter.

A steel body encases a steel inner ring gear, running on solid bearings. Coupled with wide, hardened clamping feet, with easy read rule marks, enable rapid, repeatable concentric setup, even on out of round pipes and joints.

A range of tooling, power units and accessories allow you to tailor your machine to your job.

Features and Advantages

- ▶ 5 models cover a range from 48" (1,220 mm) to 120" (3,050 mm) o/d
- ▶ Pneumatic, hydraulic and NC servo electric drive options provide increased versatility
- ▶ Adjustable heavy-duty bearings, combined with easy access maintenance points allow inspection and adjustment
- ▶ Clamping feet are quickly and easily adjusted via a flush hex head through the outer ring. Feet feature easy read measure marks for rapid setup and adjustment
- ▶ TAG split frame clamshells accept a wide range of accessories to increase performance and expand machine capabilities
- ▶ Unique TAG transmission tool slides with changeable gears for adjustable radial tool feed



Model	Range O/D (inch)	Range O/D (mm)	Clamping Jaws
HTCC60	48-60"	1,220-1,524mm	8
HTCC75	60-75"	1,524-1,910mm	8
HTCC90	75-90"	1,910-2,290mm	12
HTCC105	90-105"	2,290-2680mm	12
HTCC120	105-120"	2,680-3050mm	12

Larger sizes available upon request



Tool Box



Striker



Locking System

Selection of Hydraulic Station

PLC Type Hydraulic Station	
Power Supply	7.5KW
Working Voltage	380V,3PH,5Lines
Working Frequency	50HZ
Related Working Pressure	10Mpa
Related Flowing	0-36L/min
Control System	PLC Control
Working Speed	Remote Control
Control Panel	Electronic Display
Open Way	Manual/Remote Control
Oil Line length	6m (Standard)
Net Weight (KG)	239KGS



- ▶ 5HP (3.75Kw) Low budget for 18" and smaller size machine Model NO: CCMPP-5000
- ▶ Power supply: 380-440V 3PH 50/60HZ
- ▶ Rated Pressure: 6 Mpa
- ▶ Max Hydraulic Flow: 32L/Min
- ▶ 5M Length pendant cable
- ▶ 8M Length hydraulic hose with quick connection
- ▶ Dimensions: 860x680x630mm
- ▶ Shipping Weight: 180kgs



- ▶ 10HP(7.5Kw) Universal power pack
- ▶ Power supply: 380-440V 3PH 50/60HZ
- ▶ Model NO: CCMPP-10000
- ▶ Rated Pressure: 12.5 Mpa
- ▶ Max Hydraulic Flow: 32L/Min
- ▶ 5M Length pendant cable
- ▶ 8M Length hydraulic hose with quick connection
- ▶ Dimensions: 1550x930x820mm
- ▶ Shipping Weight: 296kgs

External Mounted Flange Facing Machine

Product introduction

Hydrotorc's externally mounted flange facing machines are specifically designed to address challenging industrial applications by securely mounting onto the flange outer diameter. This design enables high-accuracy machining, particularly in situations where internally mounted machines cannot be fixed or operated effectively.

Characteristic

- ▶ The modular design concept enables quick installation and disassembly, meeting various processing environments;
- ▶ The equipment adopts precision circular guide rails, with long service life and high stability;
- ▶ The machine operates smoothly without vibration;
- ▶ High precision mechanical transmission mechanism ensures horizontal, inverted, and vertical installation of the machine;
- ▶ The fixed method adopts external card type multi angle support, which is more stable in fixation;
- ▶ The tool holder is rotatable to meet different processing environments.



HTOD-300



HTOD-1500

Model			Clamping Range	Working Range	Tool Travel	Rotation
Pneumatic	CNC	Hydraulic	OD mm	mm	mm	rpm
HTOD-300	HTOD-300	/	Φ70-300	Φ0-300	50	0-28
HTOD-610	HTOD-610	HTOD-610	Φ150-610	Φ0-610	95	0-24
HTOD-1000	HTOD-1000	HTOD-1000	Φ500-1000	Φ0-1000	95	0-20
HTOD-1500	HTOD-1500	HTOD-1500	Φ1000-1500	Φ0-1500	95	0-15
HTOD-2000	HTOD-2000	HTOD-2000	Φ1500-2000	Φ0-2000	95	0-13
HTOD-2500	HTOD-2500	HTOD-2500	Φ2000-2500	Φ0-2500	95	0-10
HTOD-3000	HTOD-3000	HTOD-3000	Φ2500-3000	Φ0-3000	95	0-8

Note : Non-Standard machines are available according to customer's requirement

Products Description

TP-B10 TP-B15 multifunctional portable beveling/groove machine is a manual operation of electric tools, This machine is suitable for bevel/Chamfer processing before welding (Available for K/V/X/Y type). Can be carried out on the plate edge beveling or Radius chamfering and metal materials deburring etc. Its versatility and flexibility to improve the efficiency of work and make it become the attractive device. The machine structure is compact, to where the environment is complex and difficult to machining operations.



Main Feature

- ❑ Cold Processed, No spark, Will not affect the material of plate.
- ❑ Compact structure, light weight, easy to carry and control.
- ❑ Smooth slope, Surface finish can be as high as Ra3.2- Ra6.3.
- ❑ Small working radius, suitable for narrow working space, fast beveling and deburring.
- ❑ Equipped with Carbide Milling Inserts, low consumables.
- ❑ Bevel type: V, Y, K, X etc.
- ❑ Can process carbon steel, stainless steel, alloy steel, titanium, composite plate etc.



Parameter Comparison Table

Models	TP-B10	TP-B15
Power Supply	220-240V 50HZ	AC 220-240V 50HZ
Total Power	2000W	2450W
Spindle Speed	2500-7500r/min	2400-7500r/min
Bevel Angel	30 37.5 or 45 degree	20,30, 37.5 ,45,55,or 60 degree
Max Bevel width	10mm	15mm
Inserts QTY	4pcs	4-5 pcs
Machine G Weight	8.5 KGS	10.5 KGS
Machine N.Weight	6.5 KGS	8.5 KGS
Bevel Joint Type	V/Y/K/X	V/Y/K/X

Tool Parts

							
Milling head 30°	Milling head 37.5°	Milling head 45°	Tool Blades (Standard)	Top bevelling	Bevel radius R2, R3, R4 or R5	Arched edge beveling	Countersinkin g min. ID 40mm
							
Tool Blades (R2)	Tool Blades (R3)	Tool Blades (R4)	Blades Screw	Pipe OD bevelling	Pipe ID bevelling min ID 40 mm	Bevel angles 22.5°, 30°37.5°,45°, 55° or 60°	Max bevel width 16 mm

Solving Complex Machining Challenge with Portable Machines

HYDROTORC INDIA PVT LTD

7C, BOMBAY LBS MARG - MUMBAI



Hydrotorc Oilfield equipment & services LLC

Block-B, Ash Shallal 5st. Mussafah Industrial M43, - Abu Dhabi



HYDROTORC MIDDLE EAST - SAUDI ARABIA
INDUSTRIAL AREA AL - JUBAIL



Email Us : sales@hydrotorc.com www.hydrotorc.com

The Hydrotorc logo, featuring the word "HYDROTORC" in a bold, sans-serif font. The letter "O" in "HYDRO" is stylized with a gear-like shape inside it. The "TORC" part is in a slightly different font style. The logo is positioned in the top right corner of the page, overlaid on a white circular graphic with a pattern of small grey dots.A large, semi-circular graphic on the right side of the page, containing a collage of industrial machinery and workers in a factory setting. The image is overlaid with a semi-transparent yellow filter. The background of the entire page is white with a pattern of small grey dots.

QUALITY PORTABLE IN-SITU MACHINES

**FLANGE FACING
MACHINE**

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HYDROTORC GmbH

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Did you know ? On - Site Machining

On-Site Machining Industry



Traditional thinking is often constrained by past experiences. Welcome to a new world of machining with an innovative approach!



How do we handle transportation and hoisting?



When flange sealing surfaces on pressure vessels and boiler flanges are distorted due to welding, how can we repair them effectively?



Is it possible to design a specialized machine to solve your current challenging machining problems?



Can we repair bearing bores and drive shafts without disassembling the equipment?



When a component weighing several tons needs localized machining, is there an appropriate stationary machine tool?



What about the time and cost involved?



When flange face seals fail during chemical plant operations, how can we perform on-site sealing surface restoration in the shortest possible time?



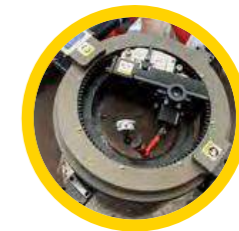
Is there lightweight equipment available for on-site beveling and cutting when connecting pipelines?

Contents



HTFF-14M

Manual Flange Facing Machine



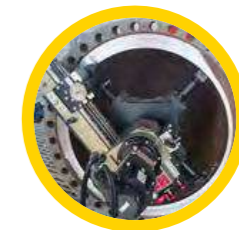
HTOD-12 OD

Flange Facing Machine



HTFF-26 ID

Flange Facing Machine



HTFF-40 ID

Flange Facing Machine



HTFF-60 ID

Flange Facing Machine



HTFF-80 ID

Flange Facing Machine



HTOCNC-8000

CNC Orbital Milling Machine

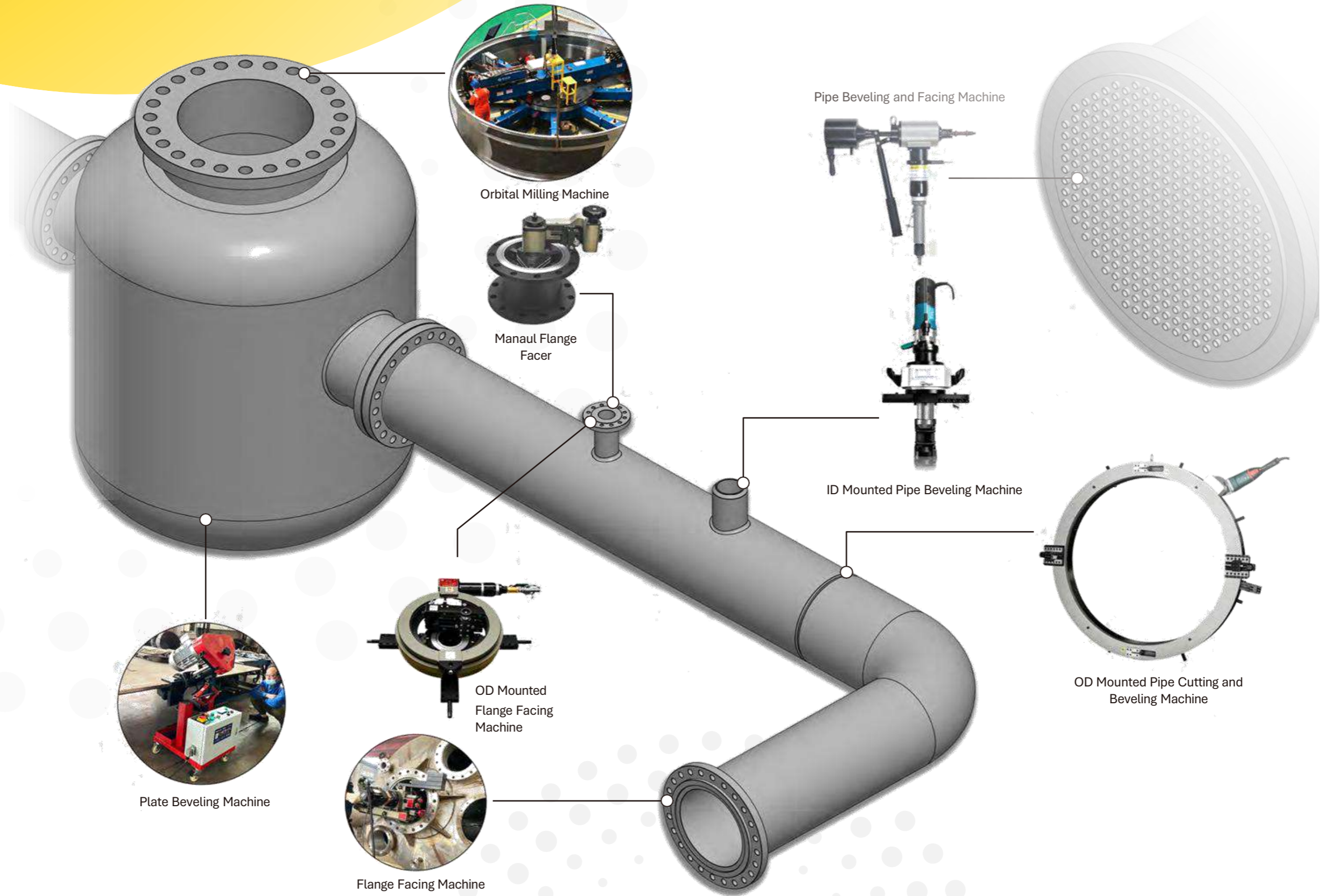


HTFB-2500

Facing and Boring Machine

Your challenges are our expertise!

Product Applications in Pipeline System





HTFF-14M

Manual Flange Facing Machine

Description

The Manual Flange Facer HTFF-14M is rugged, compact and ideal for quickly reconditioning rusty, scarred or worn flange gasket seats to like-new condition in minutes. This easy to operate flange facing tool is perfect for re-facing raised-face and flat-faced flanges on site or in a fabrication / repair shop. The HTFF-14M Flange Facer has a clamping range from 1.07" to 10.63" (27.2 - 270 mm) and can machine flanges with a reach up to 14" (355.6 mm) O.D. The HTFF-14M proprietary clamping system is simple to configure and designed for fast set up with accurate alignment. Cutting bits are double sided, long-lasting, and specially formed to cut through a wide variety of material including carbon steel, stainless steel, alloyed steel, aluminum and cast iron. Each toolkit comes in a sturdy carrying case for easy organization and access.

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Facing Range : $\Phi 27.2-355.6\text{mm}$ 1.07"-14"
Clamping Range : $\Phi 27.2-270\text{mm}$ (1.07"-10.63")

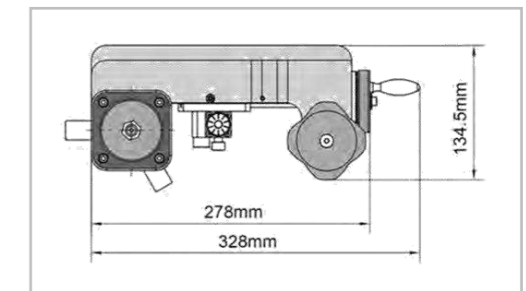
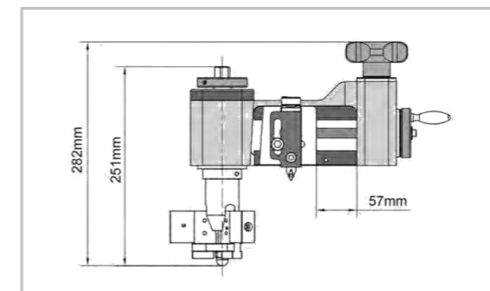
Features

- Manually operated, no electric, hydraulic, or air lines necessary.
- Smooth swing operation produces perfectly precise "phonographic" finish.
- Accurately mounts to the flange I.D. in seconds.
- Feeds available for both smooth and stock finish in accordance with ASME B-16.5 standards.
- Made of high strength precision machined materials.
- Sturdy storage / transport case for managing all components.
- Strong hardware that makes setup fast.
- Kit comes up ready to use.

Datas

No	Description	Data
1	Model	HTFF-14M
2	Clamping range	$\Phi 27.2-270\text{mm}$ (1.07"-10.63")
3	Facing range	$\Phi 27.2-355.6\text{mm}$ (1.07"-14")
4	Tool post stroke	40mm(1.57")
5	Feed speed	Fine: 0.125mm/rev ASME B16.5 : 0.5mm/rev

Dimensions



Package



Cases

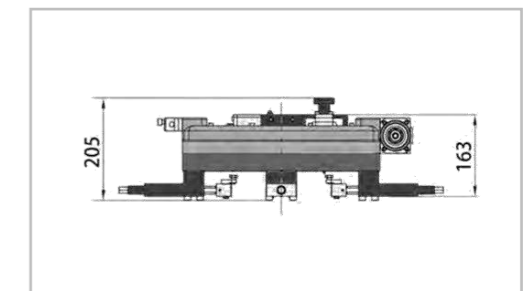
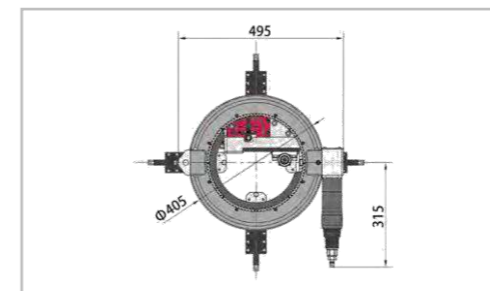




Datas

No	Description	Data
1	Model	HTOD12P (Air), HTOD-12E (Electric)
2	Clamping range	Φ50-450mm (2"-17.7")
3	Facing range	Φ0-305mm (0"-12")
4	Tool post stroke	40mm (1.57")
5	R.P.M	45 rpm
6	Feed selector	2 speeds
7	Feed speed	Fine : 0.125mm/rev ASME B16.5 : 0.5mm/rev
8	Air Motor	1.0Kw (@0.6Mpa)
9	Air consumption	1.0 m ³ /min
10	Servo Motor	Panasonic, 1.0 Kw 220V

Dimensions



HTOD-12

Flange Facing Machine

Description

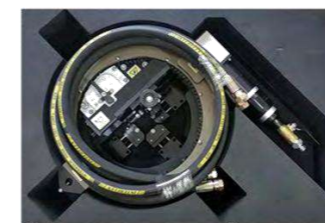
The Flange Facing Machine HTOD-12 is rugged, compact and ideal for quickly reconditioning rusty, scarred or worn flange gasket seats to like-new condition in minutes. Externally mounted, this machine has a working range of 0 mm (0") to 305 mm (12") and features 2 continuous feed rates. It is powered by one 1.0 Kw (1.34 Hp) high torque pneumatic motor and rotates on a high precision bearing giving excellent rigidity. The machine can machine standard FF and RF flange facings, RTJ and other V grooves, weld reparations, etc. The HTOD-12 Flange Facer are suitable for the oil and gas industry, power plants, chemical plants, oil rigs and many others. They are prepared to implement applications complying with ASME standards.

Facing Range : Φ0-305mm (0"-12")
Clamping Range : Φ50-450mm (2"-17.7")

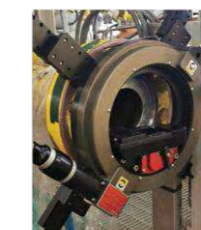
Features

- High-precision preloaded bearing make the machine precise and robust.
- Lightweight, compact and portable.
- Externally mounted and operates in any orientation.
- Suitable for various flange types: flat face, raised face, ring type joints (RTJ), tongue & groove, lens ring, compact flanges.
- Pneumatic drive permits use in hazardous areas.
- 2 continuous groove facing feeds for a "gramophone" finish (ASME B-16.5 Standard).
- 360° Swivel tool post for groove details.
- Sturdy storage.

Package



Cases





Datas

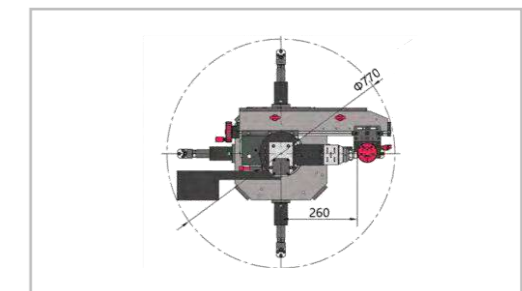
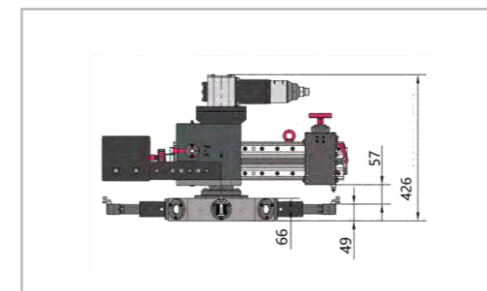
HTFF-26P Specification (Air motor)

No	Description	Data
1	Model	HTFF-26P
2	Clamping range	Φ96-700mm (3.78-28.35")
3	Facing range	Φ120-700mm (4.72-27.56")
4	Tool post stroke	50mm (2")
5	R.P.M	45 rpm
6	Feed selector	2 speeds
7	Feed speed	Fine : 0.125mm/rev ASME B16.5 : 0.5mm/rev
8	Air Motor	1.0Kw (@0.6Mpa)
9	Air consumption	1.0 m ³ /min

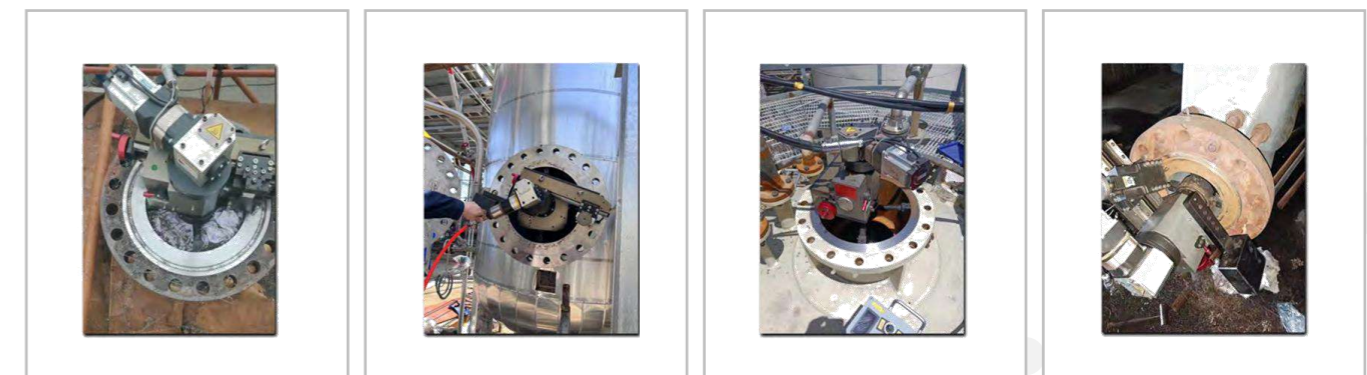
HTFF26E Specification (Servo motor)

No	Description	Data
1	Model	HTFF26E
2	Clamping range	Φ96-700mm (3.78-28.35")
3	Facing range	Φ120-700mm (4.72-27.56")
4	Tool post stroke	50mm (2")
5	R.P.M	45 rpm
6	Feed selector	2 speeds
7	Feed speed	Fine : 0.125mm/rev ASME B16.5 : 0.5mm/rev
8	Air Motor	Panasonic
9	Servo motor	1.0 Kw 220V

Dimensions



Cases



HTFF-26

Flange Facing Machine

Description

The Flange Facer HTFF-26 is rugged, compact and ideal for quickly reconditioning rusty, scarred or worn flange gasket seats to like-new condition in minutes. Internally mounted, this machine has a working range of 120 mm (4.72") to 700 mm (27.56") and features 2 continuous feed rates. The mounting base come in three sizes and have micro-adjustable jaws to help quickly align the base during set-up. Air motor and Servo motor are optional. The machine can machine standard FF and RF flange facings, RTJ and other V grooves, weld reparations, etc. The HTFF-26 Flange Facer are suitable for the oil and gas industry, power plants, chemical plants, oil rigs and many others. They are prepared to implement applications complying with ASME standards.

Facing Range : Φ120-700mm (4.72-27.56")
Clamping Range : Φ96-700mm (3.78-28.35")

Features

- High-precision NSK bearings and "V" linear guide make the machine precise and robust.
- Modular designed, compact and portable.
- Internally mounted and operates in any orientation.
- Suitable for various flange types: flat face, raised face, ring type joints (RTJ), tongue & groove, lens ring, compact flanges.
- Air motor and servo motor are optional.
- 2 continuous groove facing feeds for a gramophone finish (ASME Standard).
- 3 different sized quick set independent bases for improved on-site operation.
- 360° Swivel tool post for groove details.
- Sturdy storage.



Datas

HTFF-40P Specification (MODEC Air motor)

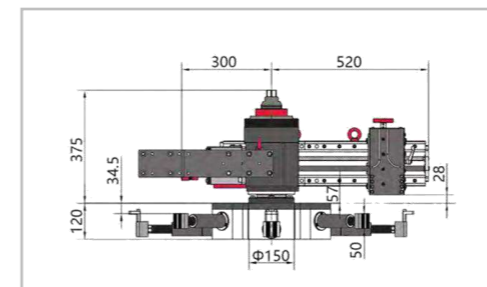
No	Description	Data
1	Model	HTFF-40P
2	Clamping range	Φ145-910mm (5.7"-35.8")
3	Facing range	Φ153-1000mm (6"-40")
4	Tool post stroke	100mm (4")
5	R.P.M	30 rpm
6	Feed selector	6 speeds
7	Feed speed	0.11、0.14、0.17、0.23、0.37、0.5 mm/rev
8	Air Motor	1.7Kw (@0.6Mpa)
9	Air consumption	1.8 m ³ /min

HTFF-40E Specification (Servo motor)

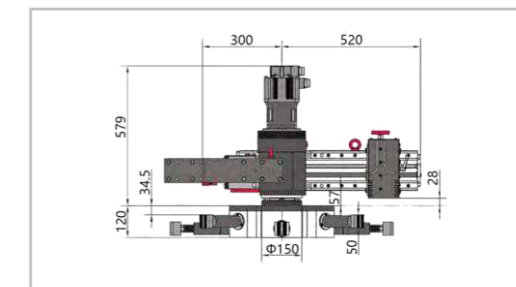
No	Description	Data
1	Model	HTFF40E
2	Clamping range	Φ145-910mm (5.7"-35.8")
3	Facing range	Φ153-1000mm (6"-40")
4	Tool post stroke	100mm (4")
5	R.P.M	0-50 rpm
6	Feed selector	6 speeds
7	Feed speed	0.11、0.14、0.17、0.23、0.37、0.5 mm/rev
8	Air Motor	Panasonic
9	Servo motor	1.5 Kw 220V

Dimensions

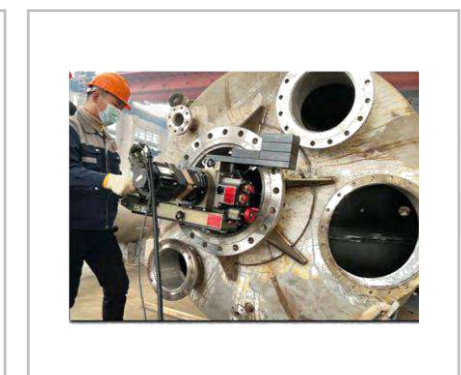
Air motor



Servo motor



Package & Case



HTFF-40

Flange Facing Machine

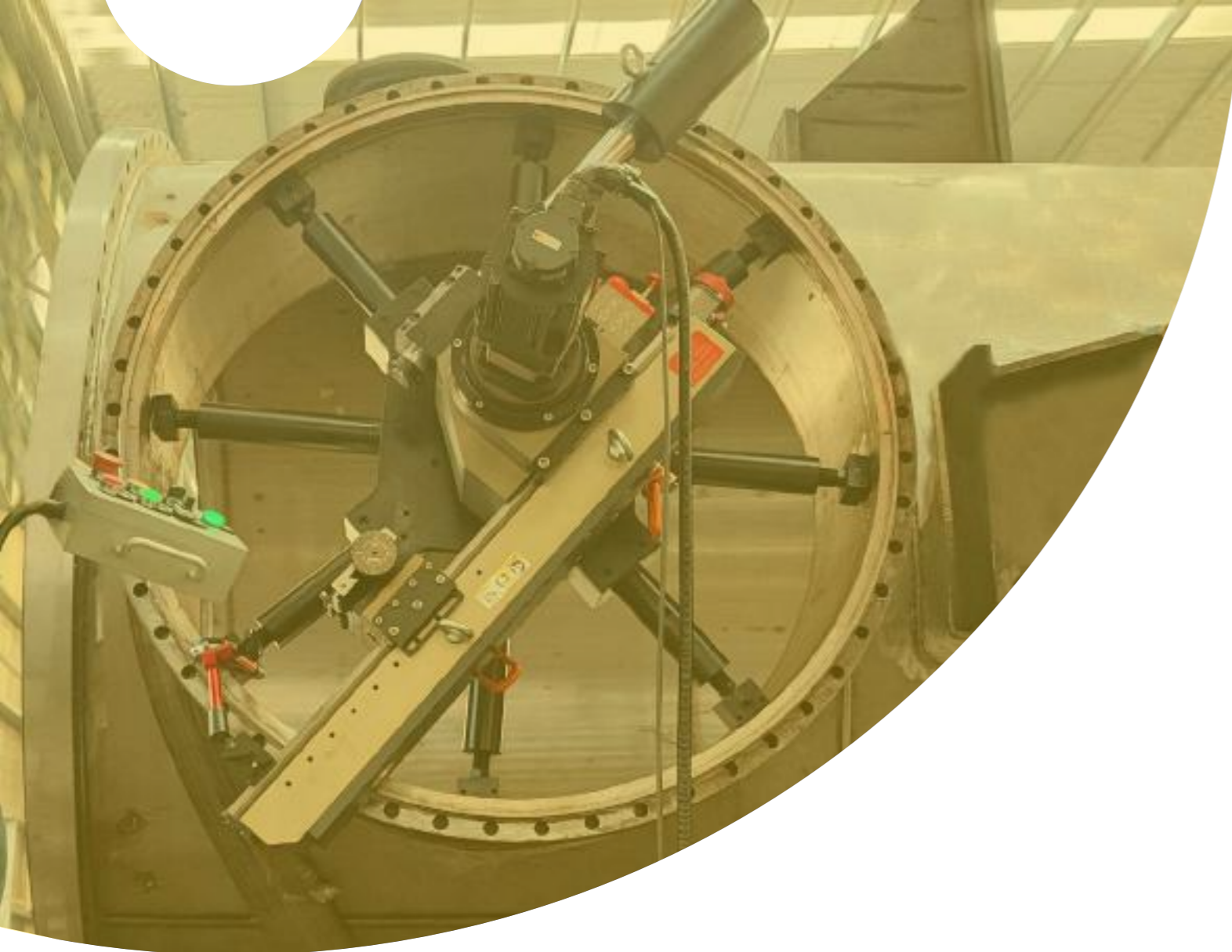
Description

The Flange Facer HTFF-40 is rugged, compact and ideal for quickly reconditioning rusty, scarred or worn flange gasket seats to like-new condition in minutes. Internally mounted, this machine has a working range of 153 mm (6") to 1000 mm (40") and features 6 continuous feed rates. The mounting base come in three sizes and have micro-adjustable jaws to help quickly align the base during set-up. Air motor and Servo motor are optional. The machine can machine standard FF and RF flange facings, RTJ and other V grooves, weld reparations, etc. The HTFF-40 Flange Facer are suitable for the oil and gas industry, power plants, chemical plants, oil rigs and many others. They are prepared to implement applications complying with ASME standards.

Facing Range : Φ153-1000mm (6"-40")
Clamping Range : Φ145-910mm (5.7"-35.8")

Features

- High-precision NSK bearings and "V" linear guide make the machine precise and robust.
- Modular designed, compact and portable.
- Internally mounted and operates in any orientation.
- Suitable for various flange types: flat face, raised face, ring type joints (RTJ), tongue & groove, lens ring, compact flanges.
- Air motor and servo motor are optional.
- 6 continuous groove facing feeds for a gramophone finish (ASME B-16.5 Standard).
- 6 boring auto-feed settings.
- 3 different sized quick set independent bases for improved on-site operation.
- 360° Swivel tool post for groove details.
- Sturdy waterproof steel box.



Datas

HTFF-60P Specification (MODEC Air motor)

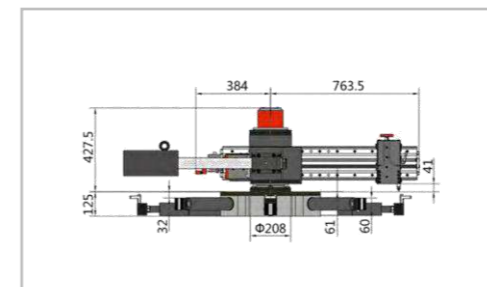
No	Description	Data
1	Model	HTFF-60P
2	Clamping range	Φ290-1450mm (11.4"-57")
3	Facing range	Φ320-1500mm (12.6"-59")
4	Tool post stroke	100mm (4")
5	R.P.M	30 rpm
6	Feed selector	6 speeds
7	Feed speed	0.14, 0.19, 0.23, 0.31, 0.5, 0.67 mm/rev
8	Air Motor	3.0 Kw (@0.6Mpa)
9	Air consumption	2.9 m ³ /min

HTFF-60E Specification (Servo motor)

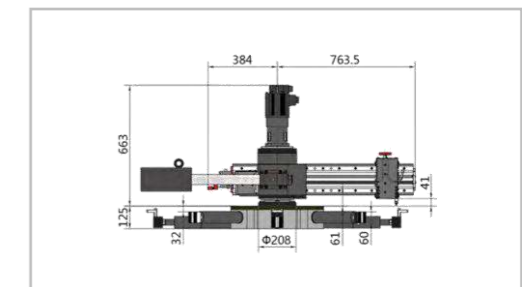
No	Description	Data
1	Model	HTFF-60E
2	Clamping range	Φ290-1450mm (11.4"-57")
3	Facing range	Φ320-1500mm (12.6"-59")
4	Tool post stroke	100mm (4")
5	R.P.M	0-40 rpm
6	Feed selector	0.14, 0.19, 0.23, 0.31, 0.5, 0.67 mm/rev
7	Feed speed	0.14, 0.19, 0.23, 0.31, 0.5, 0.67 mm/rev
8	Air Motor	Panasonic
9	Servo motor	3.0 Kw 380V

Dimensions

Air motor



Servo motor



Cases



HTFF-60

Flange Facing Machine

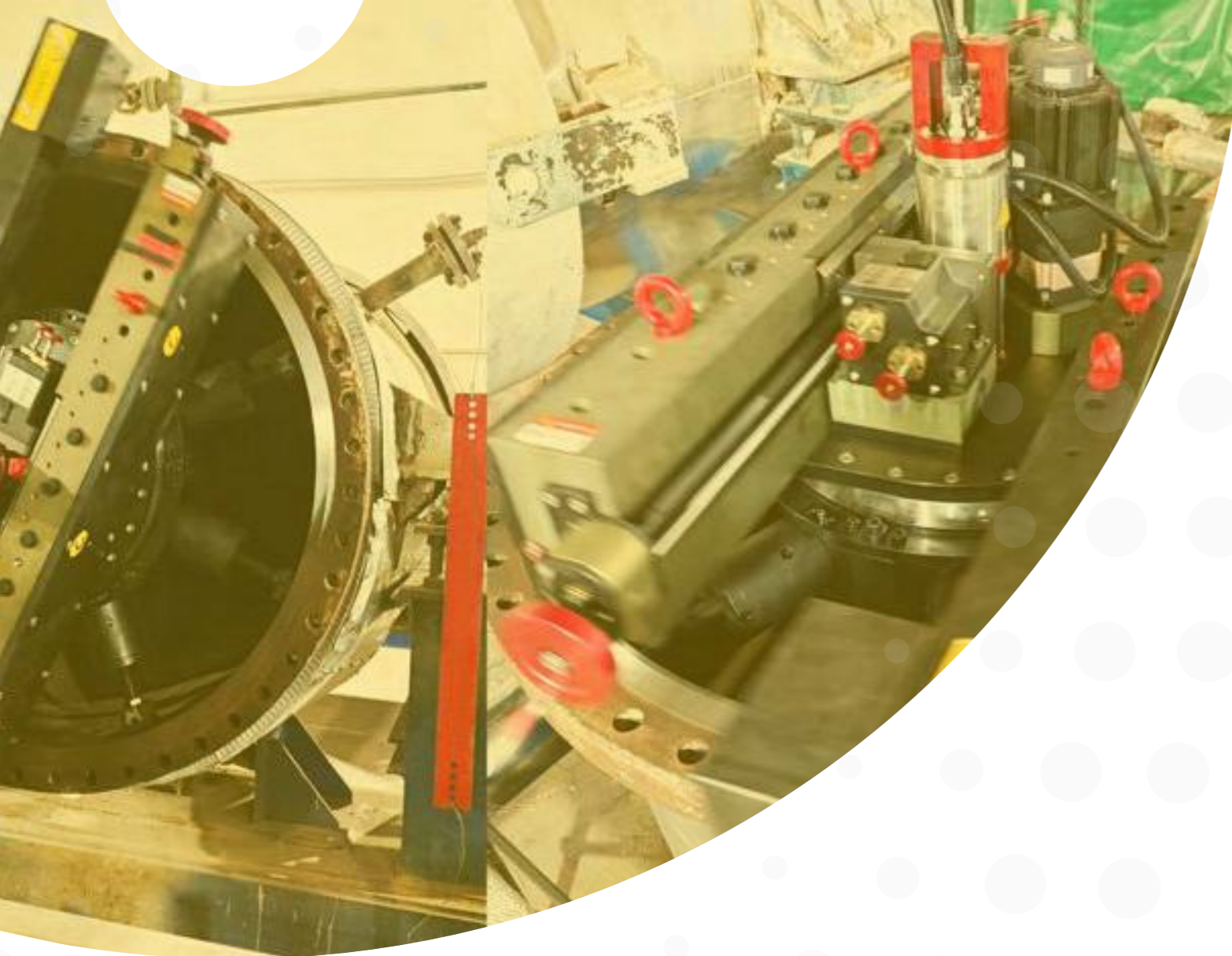
Description

The Flange Facer HTFF-60 is rugged, compact and ideal for quickly reconditioning rusty, scarred or worn flange gasket seats to like-new condition in minutes. Internally mounted, this machine has a working range of 120 mm (4.72") to 700 mm (27.56") and features 2 continuous feed rates. The mounting base come in three sizes and have micro-adjustable jaws to help quickly align the base during set-up. Air motor and Servo motor are optional. The machine can machine standard FF and RF flange facings, RTJ and other V grooves, weld reparations, etc. The HTFF-60 Flange Facer are suitable for the oil and gas industry, power plants, chemical plants, oil rigs and many others. They are prepared to implement applications complying with ASME standards.

Facing Range : Φ320-1500mm (12.6"-59")
Clamping Range : Φ290-1450mm (11.4"-57")

Features

- High-precision NSK bearings and "V" linear guide make the machine precise and robust.
- Modular designed, compact and portable.
- Internally mounted and operates in any orientation.
- Suitable for various flange types: flat face, raised face, ring type joints (RTJ), tongue & groove, lens ring, compact flanges.
- Air motor and servo motor are optional.
- 6 continuous groove facing feeds for a gramophone finish (ASME B-16.5 Standard).
- 6 boring auto-feed settings.
- 3 different sized quick set independent bases for improved on-site operation.
- 360° Swivel tool post for groove details.
- Sturdy waterproof steel box.



Datas

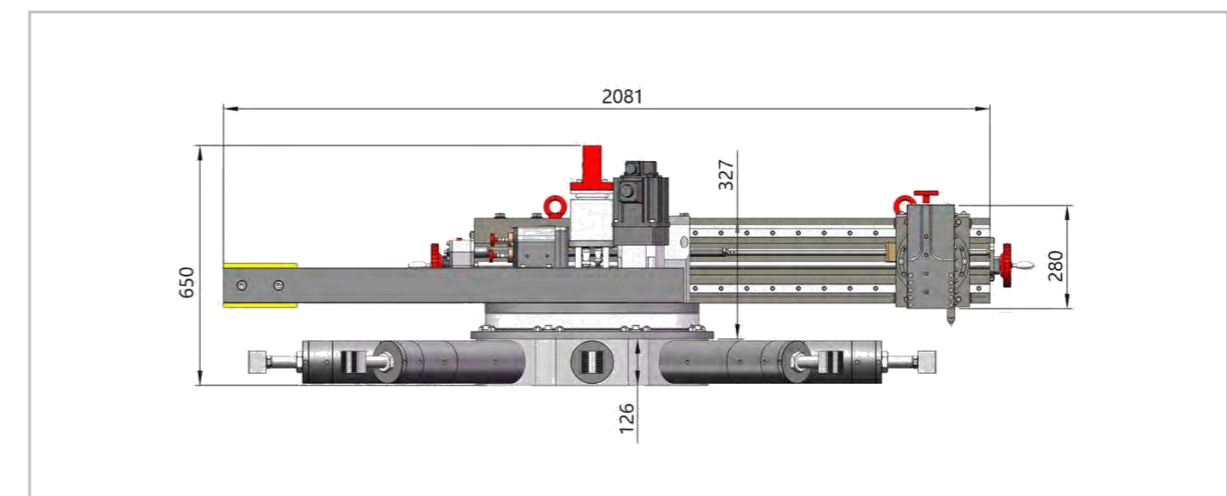
HTFF-80P Specification (MODEC Air motor)

No	Description	Data
1	Model	HTFF-80P
2	Clamping range	Φ790-1900mm (31.1"-74.8")
3	Facing range	Φ670-2032mm (26.3"-80")
4	Tool post stroke	100mm (4")
5	R.P.M	28 rpm
6	Feed selector	6 speeds
7	Feed speed	0.15, 0.2, 0.24, 0.32, 0.5, 0.69 mm/rev
8	Air Motor	3.0 Kw (@0.6Mpa)
9	Air consumption	2.9 m ³ /min

HTFF-80E Specification (Servo motor)

No	Description	Data
1	Model	HTFF-80P
2	Clamping range	Φ790-1900mm (31.1"-74.8")
3	Facing range	Φ670-2032mm (26.3"-80")
4	Tool post stroke	100mm (4")
5	R.P.M	0-23 rpm
6	Feed selector	6 speeds
7	Feed speed	0.15, 0.2, 0.24, 0.32, 0.5, 0.69 mm/rev
8	Air Motor	Panasonic
9	Servo motor	3.0 Kw

Dimensions



HTFF-80

Flange Facing Machine

Description

The Flange Facer HTFF-80 is rugged, compact and ideal for quickly reconditioning rusty, scarred or worn flange gasket seats to like-new condition in minutes. Internally mounted, this machine has a working range of 670 mm (26.34") to 2032 mm (80") and features 6 continuous feed rates. The mounting base come in one size and have micro-adjustable jaws to help quickly align the base during set-up. Air motor and Servo motor are optional. The machine can machine standard FF and RF flange facings, RTJ and other V grooves, weld reparations, etc. The HTFF-80 Flange Facer are suitable for the oil and gas industry, power plants, chemical plants, oil rigs and many others. They are prepared to implement applications complying with ASME standards.

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Facing Range : Φ670-2032mm (26.3"-80")
Clamping Range : Φ790-1900mm (31.1"-74.8")

Features

- High-precision NSK bearings and "V" linear guide make the machine precise and robust.
- Modular designed, compact and portable.
- Internally mounted and operates in any orientation.
- Suitable for various flange types: flat face, raised face, ring type joints (RTJ), tongue & groove, lens ring, compact flanges.
- Air motor and servo motor are optional.
- 6 continuous groove facing feeds for a gramophone finish (ASME B-16.5 Standard).
- 6 boring auto-feed settings.
- 3 different sized quick set independent bases for improved on-site operation.
- 360° Swivel tool post for groove details.
- Sturdy waterproof steel box.



HT-OCNC-8000

CNC Orbital Milling Machine

Description

The HYDROTORC Machines offer a wide variety of rugged and innovative ID portable orbital milling machines from 80 to 472 inches (1000 - 12000 mm) diameter. Our proprietary technology drives the development of the most reliable, efficient and precise orbital milling machines on the market, that are capable of delivering the most exacting standards of tolerance with the highest quality output. Our orbital milling machines are supported by industry experts who work closely with our customers to optimize performance for industry specific applications. With extensive experience within service companies, our teams understand the turn-key solutions that both meet specific requirements and address complex challenges.

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Facing Range : Φ 3000-8000mm
Clamping Range : Φ 3000-7800mm

Features

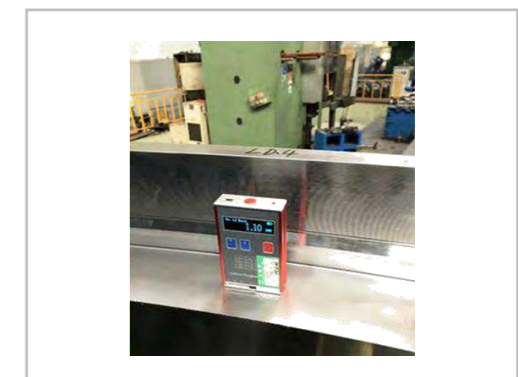
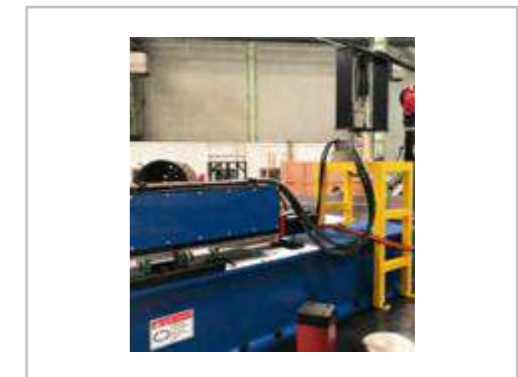
- Features removable support legs and tool arms, allowing for easy storage and transportation, and enabling quick on-site assembly.
- Equipped with high-precision preloaded bearings for superior rotational accuracy, ensuring a smooth machining process.
- Both the base and support legs have radial and axial micro adjustment functions for precise alignment and calibration.
- Capable of horizontal, vertical, and inverted machining, with mechanical and electrical safety locking features suitable for various working conditions.
- Capable of machining flat surfaces, inner cylindrical surfaces, bosses, and sealing grooves, making it highly versatile.
- Supports programmable linkage and precise feed control, achieving a precision of 0.005mm.
- The milling spindle is driven by a powerful hydraulic motor. The HPU can be controlled separately or integrated with the CNC panel, offering flexibility and reliability.

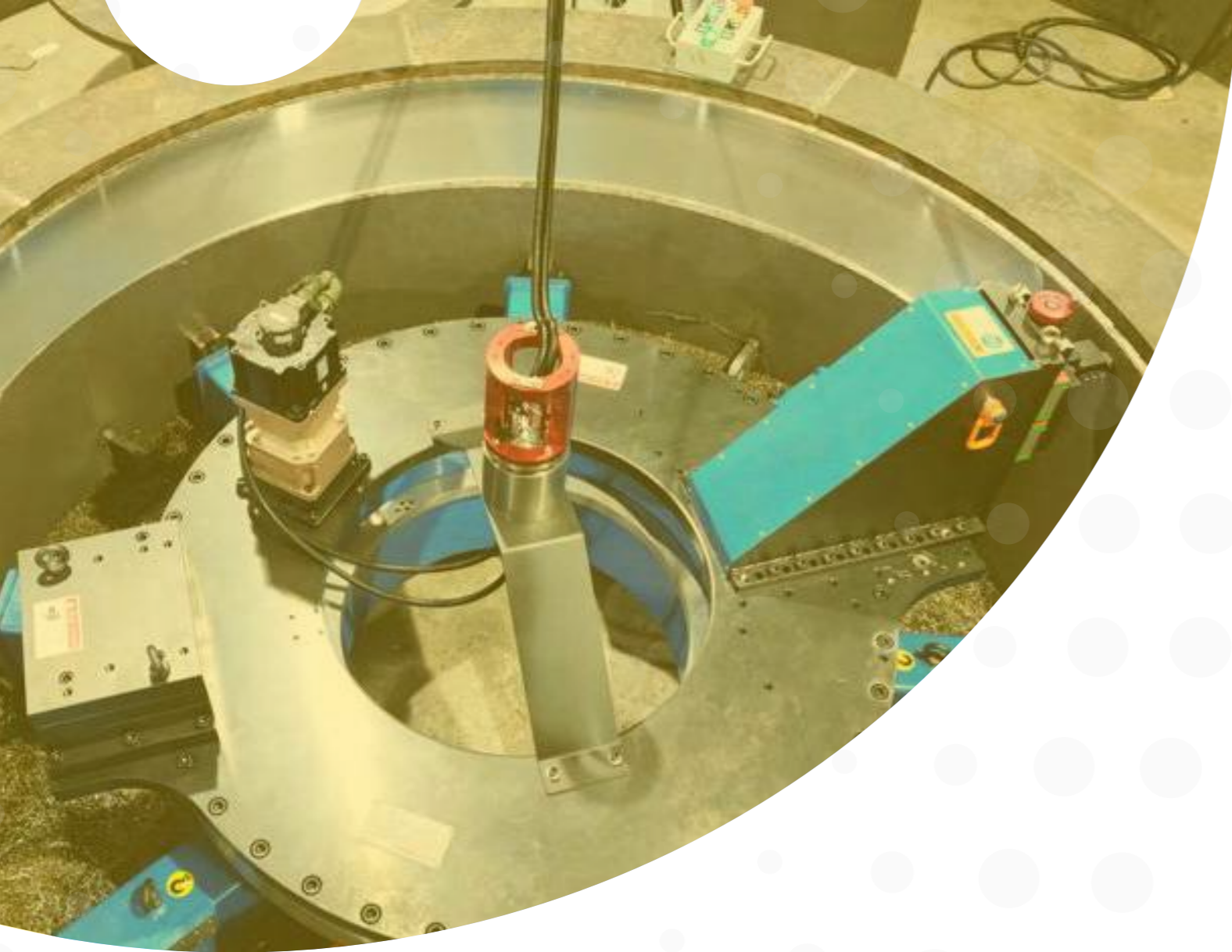
Datas

HT-OCNC-8000 Specifications (3-axis CNC system)

No	Description	Data	Note
1	Model	HT-OCNC8000	
2	Clamping range	Φ 3000-7800mm	
3	Facing range	Φ 3000-8000mm	
4	z-axis stroke	220mm	
5	Y-axis stroke	550mm	
6	Spindle R.P.M.	50-700 rpm	
7	Spindle adapter	BT50	
8	Line speed	Max. 800 mm/min	
9	Roughness	Ra0.8-Ra1.6	
10	Flatness	\leq 0.08mm / at 6000mm	

Cases





HTFB-2500

Facing and Boring Machine

Description

In large-scale projects, extensive on-site welding often leads to uncontrollable welding deformations, which can sometimes exceed expectations. Particularly for critical mating surfaces, it is necessary to leave allowances and use specialized on-site machining equipment, combined with laser measurement instruments for precision control. This represents a new process concept and is the safest solution for on-site manufacturing of large components in the future. The HTFB-2500 is a custom built, non-standard machine designed and manufactured by HYDROTORC MACHINE according to the specific requirements of the customer's project. This machine ensures flange surface machining and boring with precise perpendicularity between the flange surface and hole axis.

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Boring Range : $\Phi 2200-3000\text{mm}$
Facing Range : $\Phi 1800-3000\text{mm}$

Features

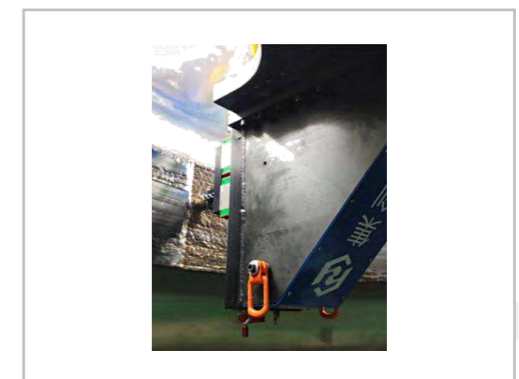
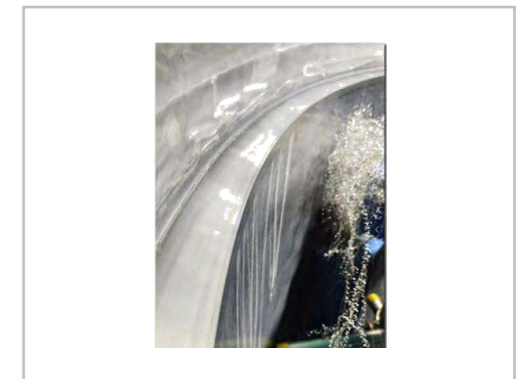
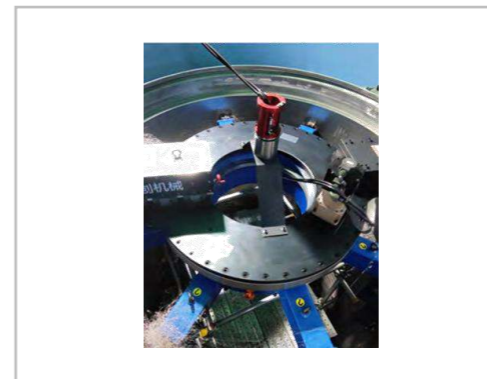
- The equipment features a modular design with interchangeable planer and boring arms, allowing for quick tool changes and functional switching. This dual-function capability reduces costs and production time.
- Equipped with high-precision pre-loaded bearings, the machine ensures superior rotational accuracy and a smooth machining process.
- Both the chassis and support legs have radial and axial fine adjustment capabilities, allowing for precise alignment and calibration.
- The machine supports horizontal, vertical, and inverted machining. It is equipped with mechanical and electrical safety locks, making it suitable for various operating conditions.

Datas

HTFB-2500 Specifications (Facing and Boring Machine)

No	Description	Data	Note
1	Model	HTFB-2500	
2	Boring range	$\Phi 2200-3000\text{mm}$	
3	Facing range	$\Phi 1800-3000\text{mm}$	
4	Boring stroke	500mm	
5	Facing stroke	400mm	
6	R.P.M.	0-12 rpm	
7	Cutting depth	3mm	
8	Roughness	Ra0.8-Ra1.6	
9	Bore Cylindricity	$\leq 0.04\text{mm}$, 450mm Length	
10	Flatness	$\leq 0.05\text{mm}$ / at 3000mm	

Cases





HYDROTARC



HYDROTARC

Hydraulic Bolting Tools

NexGen Industrial Bolting Solutions

POWER - PRECISION - PERFORMANCE

➤ Hydraulic Torque wrench Pumps

Features

Compact Three-Stage Automatic Design: Featuring a streamlined, three-stage automatic design for efficient operation and easy integration into various work environments.

Simultaneous Operation of One or Two Wrenches: Capable of operating one or two wrenches simultaneously, offering flexibility and improved productivity for multi-tool applications.

Aluminum Oil Tank with Pressure Gauge: Equipped with a lightweight, durable aluminum oil tank, complete with an integrated pressure gauge for real-time monitoring of system performance.

Φ100 High-Pressure Gauge: Fitted with a high-precision Φ100 gauge for accurate and clear pressure readings, ensuring safe and efficient operation.

Infinitely Adjustable Pressure Range (70–700 Bar): Features an infinitely variable pressure adjustment mechanism, allowing precise control over pressure settings between 70 and 700 bar for tailored performance.

High-Efficiency Radiator for Continuous Operation: Designed with a high-efficiency radiator, enabling the pump to operate continuously for up to 24 hours without compromising on performance or safety.

Optional Multi-Wrench Capability: Optional components allow for the simultaneous operation of up to four wrenches, increasing versatility and efficiency for large-scale or complex applications.

Electric Operated Torquing Pump

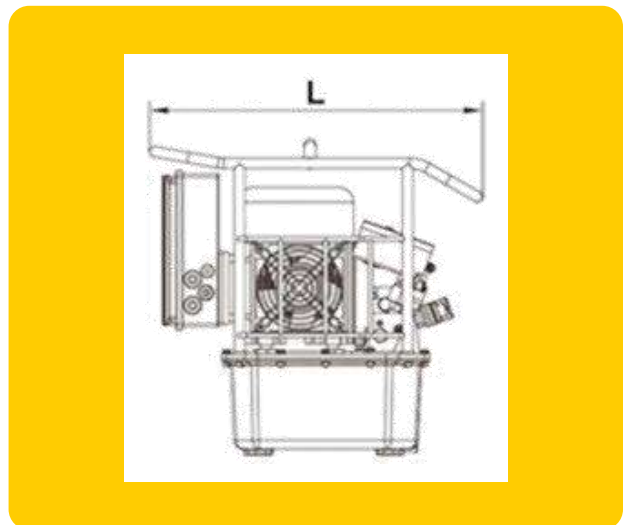
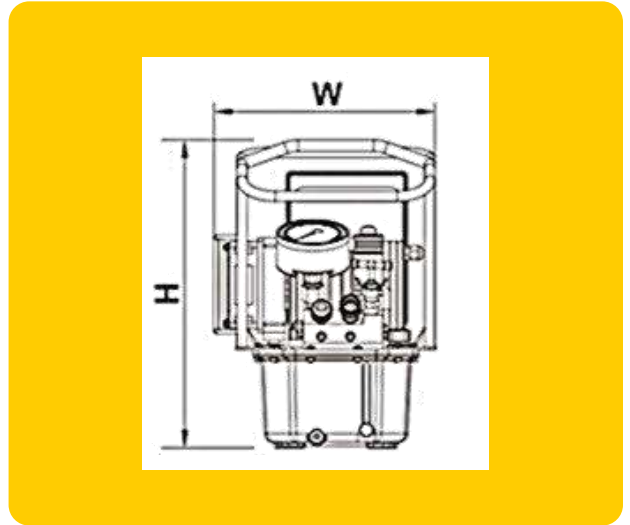
● Hydraulic Torque Pump Electric FE055 Series

Model name	HTEP-55-2	HTEP-55-4
Operating wrench	2	4
Operating voltage	200 V- 230 V / 50 Hz	
Electric motor power	1.1 KW	
Nominal pressure	10- 700 BAR	
Flow rate	9 , 1.8 , 0.9 L/MIN	
Oil capacity	8 LITER / 2.1 Gal	
Weight	28 KG	30 KG
Recommended oils	VG 32, VG 46, VG 68	
Guage diameter	100 mm / 4"	
Cooling fan / protection frame	Available	



● **Hydraulic Torque Pump Electric E700 Series**

Model name	HTP- E700-2	HTP-E700-4
Operating wrench	2	4
Operating voltage	200 V- 230 V / 50 hz	
Electric motor power	1.1 kw	
Nominal pressure	10- 700 bar	
Flow rate	11 , 2.1 , 1.1 l/min	
Effective oil capacity	8 liters	
Weight	25 kg	27 kg
Recommended oils	Vg 32, vg 46, vg 68	
Guage diameter	100 mm / 4"	
Cooling fan / protection frame	Available	



Air Operated - Torquing Pump HTFP-280 Series

Features

Input Air Pressure (4–8 Bar): Operates with an input air pressure range of 4–8 bar, ensuring compatibility with a variety of air supply systems.

Compact Automatic Three-Stage Flow Design: Features a compact, three-stage flow system that is capable of starting under high pressure, ensuring smooth and efficient performance from the outset.

Simultaneous Operation of One or Two Wrenches: Designed to support the simultaneous operation of one or two wrenches, enhancing efficiency and versatility in demanding tasks.

Lightweight Aluminum Oil Tank with Oil Gauge: Equipped with a durable aluminum oil tank, complete with an oil gauge, the system is compact and lightweight, with a total weight of just 21.5 kg for easy transport and handling.

Φ100 High-Pressure Gauge: Includes a high-precision Φ100 pressure gauge, providing clear and accurate readings for safe and reliable operation.

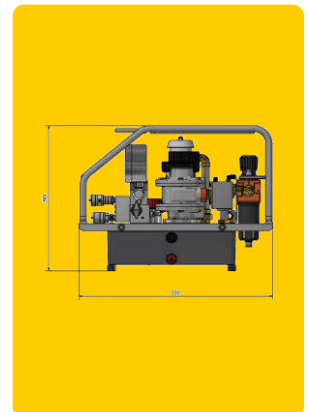
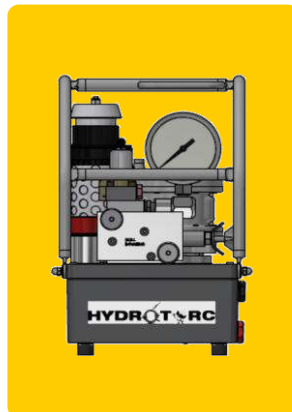
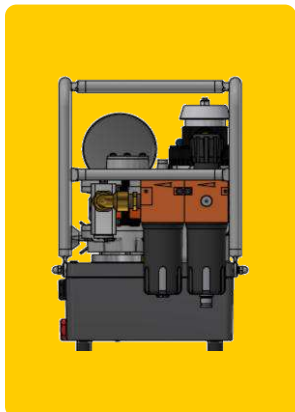
Infinitely Variable Pressure Adjustment (70–700 Bar): Allows for precise pressure control across a wide range, with an adjustable setting between 70 and 700 bar to meet specific application requirements.

High-Efficiency Cooling System for Extreme Environments: Designed with a high-efficiency cooling system, making the pump ideal for use in harsh and extreme environmental conditions, ensuring consistent performance.

Optional FP4 Components for Multi-Wrench Operation: Optional FP4 components allow for the simultaneous operation of up to four wrenches, providing enhanced flexibility and efficiency for larger-scale applications.

● Hydraulic Torque Pump Air Operated FP 280 Series

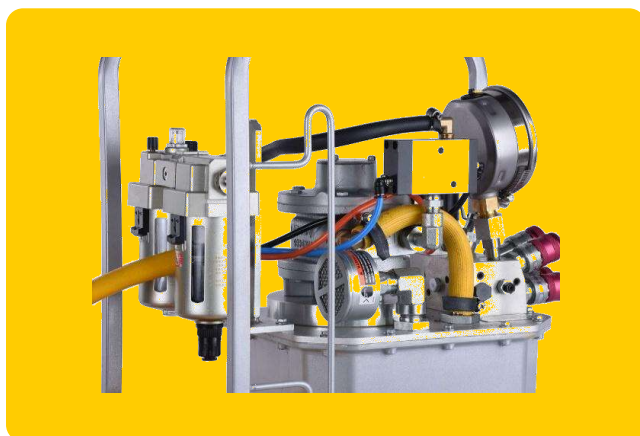
Model name	HTFP280-3-1P	HTFP280-3-2P	HTFP280-3-4P
Operating wrench	1	2	4
Air pressure	5-10 bar		
Nominal output power	2.8 kw		
Nominal pressure	10- 700 bar		
Flow rate	7.5 , 2.5 , 0.9 L/min		
Effective oil capacity	8 liter / 2.1 gal		
Weight	25 kg	27 kg	30 kg
Recommended oils	Hlp 32 / hlp 46		
Guage diameter	100 mm / 4"		
Noise level	82 dba		



Air Operated - Torquing Pump HTP-700 Series

● Hydraulic Torque Pump Air Operated P700Series

Model name	HTP-P700 -2	HTP-P700 -4
Operating wrench	2	4
Air pressure	4-8 bar	
Nominal output power	2.8 kw	
Nominal pressure	70- 700 bar	
Flow rate	11.2 , 2.2, 1.1 L/min	
Effective oil capacity	8 liter / 2.1 gal	
Light weight	21 kg	23 kg
Recommended oils	Hlp 32 / hlp 46	
Guage diameter	100 mm / 4"	
Noise level	70 dba	



Hydrotorc electric operated hydraulic torque wrench pump

Features

Semi-automatic Electric Pump

HTE-7000 Series Semi-automatic Electrical Pump shared a same design with HTE-7000-4 series standard Electric Pump, it just was added a set of control system on the basic of HTE-7000-4 standard Pump, it inherits all the characteristics of HTE-7000-4, other characteristics are as below.

Operate with one Button : the operator just press the button once time to achieve the task of tightening and loosening.

Simple Operation: Compare with the general Pump, HTE-7000 Semi-automatic Pump has compact operation process to reduce some needless action and increase approximate 50% of working efficiency.

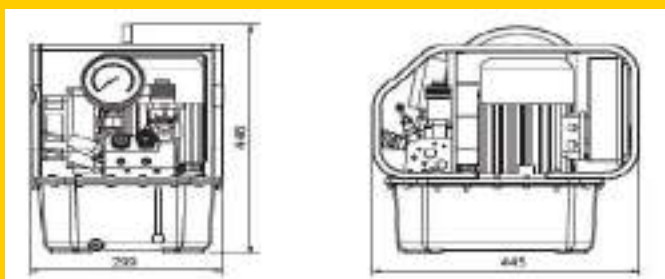
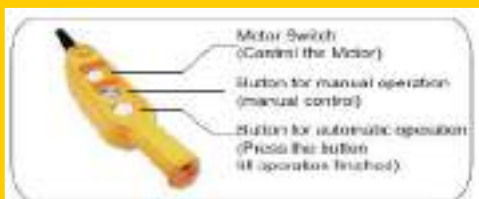
High Efficiency: Besides of the semi - automatic operation, the Pump also has the function of manual operation.

Manual / Automatic : HTE-7000 can work 24 hours continuously.

We can make the Pump with other kinds of motors according customers' requirement.

Model name	HTP-700E	HTP-700-4E
Operating Wrench	2	4
Tank Capacity	8L	
Flow (low-mid-High)	7-1.6-0.8 L/min	
Output pressure	70~700 bar	
Source of power	220V/50HZ	
Power	1.1KW	
Weight	27.7Kg	29.7Kg
Dimension	445×299×446mm	

Semi Automatic



Hoses and Couplers

Features

- For demanding applications, featuring a 4:1 safety factor;
- Applicable temperature: -40°C ~100°C;
- Outside jacket is polyurethane, to provide maximum abrasion resistance; Both ends of hydraulic hose with NPT3/8 thread; Exhibits low volumetric expansion under pressure to enhance overall system efficiency;
- Supporting the use of hydraulic cylinders, hydraulic pullers, hydraulic flange tools, hydraulic torque wrenches, nut splitters and is also suitable for other 700bar pressure hydraulic tools.

Model name		2JH64 Series twin hydraulic hose	JH74 Series hydraulic hose	JH78 Series hydraulic hose	BH84 Series superhigh pressure hydraulic hose	BH94 Series superhigh pressure hydraulic hose
Photograph						
Max operating pressure (MPa)		72	72	100	180	280
Hose end	end one	1/4"NPT	1/4"NPT	3/8"NPT	1/4"BSP	1/4"BSP
	end two	1/4"NPT	1/4"NPT	3/8"NPT	1/4"BSP	1/4"BSP
Type		2JH6460 2JH6490	JH7460 JH7490	JH7818 JH7845 JH7860	BH8430 BH8460 BH8490	BH9430 BH9460 BH9490
hose length (M)		6 9	6 9	1.8 4.5 6	3 6 9	3 6 9

C Series – Quick Coupler

Model & Photograph		C901		C902		C116		C125	
Max Operating Pressure		700 bar		700 bar		1500 bar		2000 bar	
Male Half		C9011		C9022		C1162		C1252	
Female Half		C9012		C9021		C1161		C1251	
Connecting		Spiral lock		Spiral lock		Card set		Card set	
Dimensions	A	97	97	108	108	81	81	82	82
	B	61	61	71	71		61.5		64.5
	C	1/4"NPT	1/4"NPT	3/8"NPT	3/8"NPT	1/4"BSP	1/4"BSP	1/4"BSP	1/4"BSP
	D	29	29	35	35		28		30
	E					27.5		27.5	
	F	22	22	24	24		24		24
	G	22	22	24	24				
	J					18.5		17.7	

- 3/8" NPT high flow couplers.
- Standard component on most WREN cylinders.
- Features 'push-to-connect' operation.
- 1/4" regular coupler.

C Series Quick Coupler Dimension



C116/C125

C901/C902

HTS series Square Drive Hydraulic Torque wrench

Features

HYDROTORC Hydraulic Torque Wrenches with Square Drives are engineered to deliver exceptional performance and reliability, providing optimal torqueing power even for the toughest applications. Key features include:

Durable Internal Components: Crafted from high-quality nickel-alloy steel, the internal components ensure superior longevity and durability, even under the most demanding conditions.

Instant Rod Engagement: The rod engages smoothly on the first stroke, eliminating any backlash and ensuring efficient and precise operation for every use.

High-Strength Hydraulic Cylinder: Designed with an alloy steel hydraulic cylinder, these wrenches are built to provide consistent and powerful torque, tailored to meet the specific requirements of each application.

Precision Ratchet and Pawl: Featuring a finely engineered ratchet and pawl system, the wrench delivers smooth engagement and maximum torque transfer for enhanced reliability and accuracy.

Leak-Resistant Quick Connectors: The hydraulic line connectors are designed to be leak-resistant, ensuring safe operation even under high pressure. This feature adheres to the industry standard for HYDROTORC hydraulic torque wrenches, enhancing safety and efficiency.

70 MPa Maximum Working Pressure with High Accuracy: Capable of handling a maximum working pressure of 70 MPa, while maintaining torque accuracy within $\pm 3\%$ for precise and reliable performance.

360° x 180° Swivel for Unrestricted Operation: The innovative swivel design allows for full 360° rotation and 180° articulation, enabling unrestricted movement and operation in tight or limited spaces.

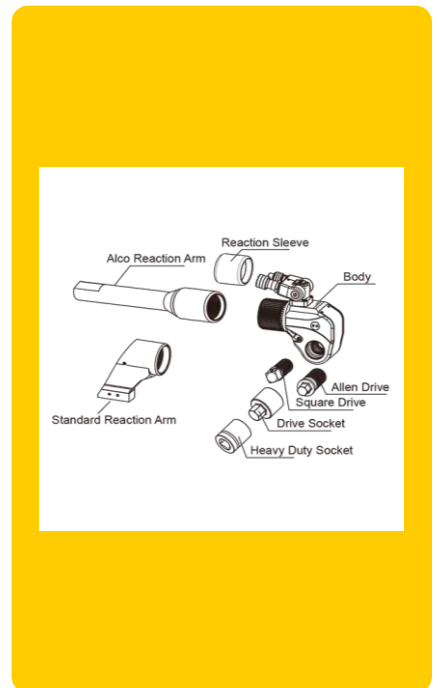
Adjustable 360° Reaction Arm: The reaction arm is fully adjustable through 360°, allowing it to be positioned at any support point, ensuring flexibility and optimal leverage during operation.

Advanced Locking Coupler for Uninterrupted Oil Flow: The new locking coupler design ensures a secure connection, maintaining a consistent and uninterrupted oil flow for efficient hydraulic performance.

HYDROTORC's hydraulic torque wrenches are engineered to meet the toughest torqueing challenges with precision, safety, and long-term performance.

Technical Data		Min. Torque	Max. Torque	Tool Weight
	Sq. Dr.	Nm [Ft. Lbs.]	Nm [Ft. Lbs.]	Kg. [Lbs.]
HTS-07	3/4"	112 [81]	1120 [814]	1.8 [3.9]
HTS-1	3/4"	183 [134]	1837 [1344]	2.5 [5.5]
HTS-3	1"	450 [328]	4500 [3278]	4.9 [10.8]
HTS-5	1.1/2"	737 [536]	7379 [5361]	9.5 [20.9]
HTS-8	1.1/2"	1078 [783]	10780 [7831]	10.8 [23.8]
HTS-10	1.1/2"	1551 [1054]	15519 [10540]	14.7 [32.4]
HTS-15	2.1/2"	2243 [1654]	23201 [16547]	23 [50.7]
HTS-20	2.1/2"	2719 [1976]	27197 [19757]	26 [57.3]
HTS-25	2.1/2"	3472 [2523]	34725 [25226]	35 [77.1]
HTS-35	2.1/2"	4866 [3535]	48666 [35354]	50 [110.2]
HTS-50	2.1/2"	6925 [5030]	69247 [50300]	65 [143.3]

Dimensional Data	Unit	Body Length (L1)	Overall Length (L2)	Tool Width (H1)	Overall Width (H2)	Tool Height (H3)	Overall Height (H4)	Tool Radius (R1)	Reaction Reach (R2)
HTS-07	mm (inch)	117 "4.61	139 "5.47	42 "1.65	67 "2.64	80 "3.15	117 "4.61	21.5 "0.85	67 "2.64
HTS-1	mm (inch)	143 "5.63	171 "6.73	52 "2.05	75 "2.95	96 "3.78	133 "5.24	26.3 "1.04	84 "3.31
HTS-3	mm (inch)	178 "7.01	228 "8.98	69.5 "2.74	97 "3.82	127 "5	177 "6.97	34.5 "1.36	111 "4.37
HTS-5	mm (inch)	213 "8.39	275 "10.83	82.5 "3.25	122 "4.8	149 "5.87	199 "7.83	39 "1.54	140 "5.51
HTS-8	mm (inch)	226 "8.9	292 "11.5	84 "3.31	132 "5.2	168 "6.61	218 "8.58	47 "1.85	148 "5.83
HTS-10	mm (inch)	246 "9.69	317 "12.48	102 "4.02	141 "5.55	182 "7.17	232 "9.13	51 "2.01	153 "6.02
HTS-15	mm (inch)	272 "10.71	352 "13.86	111 "4.37	185 "7.28	197 "7.76	247 "9.72	57.5 "2.26	170 "6.69
HTS-20	mm (inch)	309 "12.17	387 "15.24	128 "5.04	203 "7.99	213 "8.39	262 "10.31	59 "2.32	187 "7.36
HTS-25	mm (inch)	325 "12.8	402 "15.83	136.5 "5.37	207 "8.15	252 "9.92	301 "11.85	66 "2.6	202 "7.95
HTS-35	mm (inch)	372 "14.65	466 "18.35	153 "6.02	226 "8.9	283 "11.14	333 "13.11	77.5 "3.05	241 "9.49
HTS-50	mm (inch)	387 "15.24	518 "20.39	167.5 "6.59	239 "9.41	301 "11.85	351 "13.82	80.5 "3.17	258 "10.16



HTL series Hex / Cassette Type Hydraulic Torque wrench

Features

Ideal for constrained spaces with high torquing demands, the HYDROTORC Hex Drive HTL Series offers a low-profile solution that provides exceptional performance and reliability. Key advantages include:

Durable Internal Components: Constructed with high-nickel alloy steel, ensuring long-lasting durability and reduced wear on moving parts, even under tough working conditions.

Immediate Rod Engagement: The rod engages on the first stroke, effectively eliminating any backlash and ensuring smooth, precise operation from the start.

High-Strength Hydraulic Cylinder: Featuring an alloy steel hydraulic cylinder, designed to deliver reliable, application-specific torque with exceptional strength and power.

Enhanced Ratchet and Pawl Design: Equipped with a finely toothed ratchet and pawl system, providing better engagement and smoother torque transfer for greater accuracy and efficiency.

Leak-Resistant Quick Connectors: The hydraulic line connectors are leak-resistant, maintaining safety and performance even under high-pressure conditions, meeting the industry standard for hydraulic torque wrenches

Low Profile Design: The compact, low-profile design of the Hex Drive HTL Series allows the wrench to access and work effectively in the narrowest of spaces, offering maximum versatility in confined environments.

70 MPa Maximum Working Pressure with High Accuracy: Capable of handling a maximum working pressure of 70 MPa, while maintaining torque accuracy within $\pm 3\%$ for precise and reliable performance.

360° x 180° Swivel for Unrestricted Operation: The innovative swivel design allows for full 360° rotation and 180° articulation, enabling unrestricted movement and operation in tight or limited spaces.

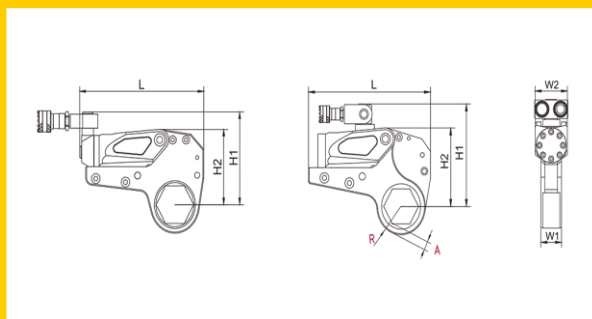
Adjustable 360° Reaction Arm: The reaction arm is fully adjustable through 360°, allowing it to be positioned at any support point, ensuring flexibility and optimal leverage during operation.

Advanced Locking Coupler for Uninterrupted Oil Flow: The new locking coupler design ensures a secure connection, maintaining a consistent and uninterrupted oil flow for efficient hydraulic performance.

HYDROTORC's Hex Drive HTL Series is engineered to meet the most demanding torque applications with precision, reliability, and safety, even in the tightest spaces.

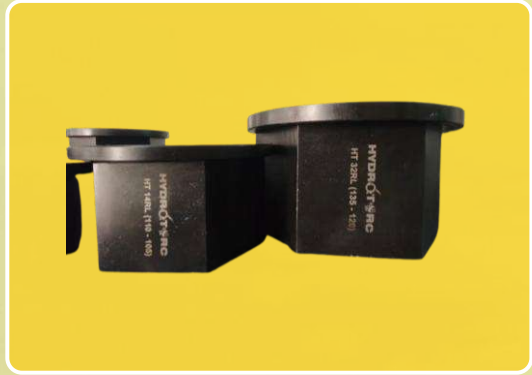
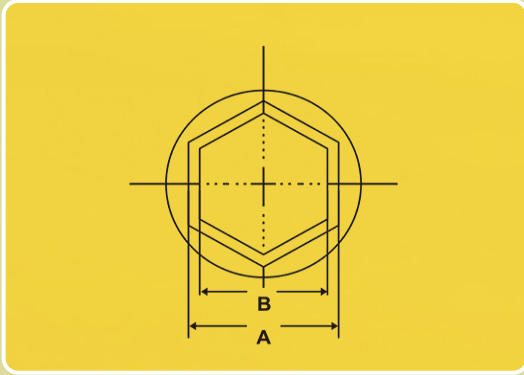
TYPE	Torque (N.m)	Nut Sizes (mm)	Power Head Weight (Kg)	Cassette Weight (Kg)	Sizes				
					L	H1	H2	W1	W2
HTL-2	232~2328	19~55	1	1.6	196.4	125.9	102.3	32	51
	241~2414	60	1	1.7	196.4	128.5	105	32	51
HTL-4	585~2510	34~36	2						
	585~5021	41	2	4.4	245	177	135.7	42	66
	585~5858	46~65	5	4.6	246	187	145.7	42	66
	647~6474	70~80	5						
HTL-8	1094~10941	41~95	3.3	8	300	207	169	53	83
	1177~11774	100~105	3.3	8.4	301	216	178	53	83
HTL-14	1852~18521	50~117	5.5	11.6	361	239	204	64	99
HTL-32	4188~41882	110~155	11.4	29	430	303	272	85	131
	4459~44593	160~175	11.4	30	441	315	285	85	131

HTL-2				HTL-4				HTL-8				HTL-14				HTL-32			
Type	R	A	Max Torque	Type	R	A	Max Torque	Type	R	A	Max Torque	Type	R	A	Max Torque	Type	R	A	Max Torque
HTL-2-19	27	16	2328	HTL-4-34	36	16	2510	HTL-8-41	46	22	10941	HTL-14-50	60	31	18521	HTL-32-85	78	28	41882
HTL-2-22	27	14	2328	HTL-4-36	36	15	2510	HTL-8-46	46	19	10941	HTL-14-55	60	28	18521	HTL-32-90	78	28	41882
HTL-2-27	27	11	2328	HTL-4-41	39	15	5021	HTL-8-50	46	17	10941	HTL-14-60	60	25	18521	HTL-32-95	83	28	41882
HTL-2-30	29	12	2328	HTL-4-46	42	15	5858	HTL-8-55	50	18	10941	HTL-14-65	60	22	18521	HTL-32-100	83	25	41882
HTL-2-32	29	11	2328	HTL-4-50	44	15	5858	HTL-8-60	52	17	10941	HTL-14-70	60	19	18521	HTL-32-105	89	28	41882
HTL-2-34	31	11	2328	HTL-4-55	46	14	5858	HTL-8-65	55	17	10941	HTL-14-75	63	19	18521	HTL-32-110	89	25	41882
HTL-2-36	31	10	2328	HTL-4-60	50	15	5858	HTL-8-70	58	17	10941	HTL-14-80	66	19	18521	HTL-32-115	95	28	41882
HTL-2-41	34	10	2328	HTL-4-65	53	15	5858	HTL-8-75	60	17	10941	HTL-14-85	69	19	18521	HTL-32-117	95	27	41882
HTL-2-46	37	10	2328	HTL-4-70	56	15	6474	HTL-8-80	63	16	10941	HTL-14-90	72	20	18521	HTL-32-120	95	25	41882
HTL-2-50	40	11	2328	HTL-4-75	59	15	6474	HTL-8-85	66	16	10941	HTL-14-95	74	19	18521	HTL-32-125	101	29	41882
HTL-2-55	43	11	2328	HTL-4-80	61	15	6474	HTL-8-90	69	17	10941	HTL-14-100	77	19	18521	HTL-32-130	101	26	41882
HTL-2-60	46	11	2414					HTL-8-95	71	16	10941	HTL-14-105	80	19	18521	HTL-32-135	104	26	41882
								HTL-8-100	75	17	11774	HTL-14-110	83	19	18521	HTL-32-140	110	29	41882
								HTL-8-105	78	17	11774	HTL-14-115	87	20	18521	HTL-32-145	110	26	41882
												HTL-14-117	87	19	18521	HTL-32-150	116	29	41882
																HTL-32-155	116	26	41882
																HTL-32-160	128	36	44593
																HTL-32-165	128	33	44593
																HTL-32-170	128	30	44593
																HTL-32-175	128	27	44593



Hex Reducers for HTL Ratchet Link

Wrench Model	Cassette	Nut Size	Reducer Insert						Locking
		(S)	Type	A/B(mm)	Type	A/B(mm)	Type	A/B(mm)	ring
HTL-2	HTL-2-50	50	2G5041	50/41	2G5036	50/36	2G5032	50/32	H-50
	HTL-2-46	46	2G4636	46/36	2G4632	46/32	2G4630	46/30	H-46
	HTL-2-41	41	2G4132	41/32	2G4130	41/30	2G4127	41/27	H-41
	HTL-2-36	36	2G3630	36/30	2G3627	36/27			H-36
	HTL-2-32	32	2G3227	32/27					H-32
	HTL-2-30	30							
	HTL-2-27	27							
HTL-4	HTL-4-65	65	4G6555	65/55	4G6550	65/50	4G6546	65/46	H-56
	HTL-4-60	60	4G6050	60/50	4G6046	60/46	4G6041	60/41	H-60
	HTL-4-55	55	4G5546	55/46	4G5541	55/41	4G5536	55/36	H-55
	HTL-4-50	50	4G5041	50/41	4G5036	50/36	4G5032	50/32	H-50
	HTL-4-46	46	4G4636	46/36	4G4632	46/32	4G4630	46/30	H-46
	HTL-4-41	41	4G4132	41/32	4G4130	41/30	4G4127	41/27	H-41
	HTL-4-36	36	4G3630	36/30	4G3627	27-Mar			H-36
	HTL-4-32	32	4G3227	32/27					H-32
	HTL-4-30	30							
HTL-4-27	27								
HTL-8	HTL-8-90	90	8G9080	90/80	8G9075	90/75	8G9070	90/70	H-90
	HTL-8-85	85	8G8575	85/75	8G8570	85/70	8G8565	85/65	H-85
	HTL-8-80	80	8G8070	80/70	8G8065	80/65	8G8060	80/60	H-80
	HTL-8-75	75	8G7565	75/65	8G7560	75/60	8G7555	75/55	H-75
	HTL-8-70	70	8G7060	70/60	8G7055	70/55	8G7050	70/50	H-70
	HTL-8-65	65	8G6555	65/55	8G6550	65/50	8G6545	65/45	H-65
	HTL-8-60	60	8G6050	60/50	8G6046	60/46			H-60
	HTL-8-55	55	8G5546	55/46	8G5541	55/41			H-55
HTL-8-50	50								
HTL-14	HTL-14-115	115	14G115105	115/105	14G115100	115/100	14G11595	115/95	H-115
	HTL-14-110	110	14G110100	110/100	14G11095	110/95	14G11090	110/90	H-110
	HTL-14-105	105	14G10595	105/95	14G10590	105/90	14G10585	105/85	H-105
	HTL-14-100	100	14G10090	100/90	14G10085	100/85	14G10080	100/80	H-100
	HTL-14-95	95	14G9585	95/85	14G9580	95/80	14G9575	95/75	H-95
	HTL-14-90	90	14G9080	90/80	14G9075	90/75	14G9070	90/70	H-90
	HTL-14-85	85	14G8575	85/75	14G8570	85/70	14G8565	85/65	H-85
	HTL-14-80	80	14G8070	80/70	14G8065	80/65			H-80
	HTL-14-75	75	14G7565	75/65					H-75
	HTL-14-70	70							
HTL-14-65	65								
HTL-32	HTL-32-155	155	32G155145	155/145	32G155130	155/130	32G155120	155/120	H-155
	HTL-32-145	145	32G145130	145/130	32G145120	145/120	32G145115	145/115	H-145
	HTL-32-130	130	32G130120	130/120	32G130115	130/115	32G130110	130/110	H-130
	HTL-32-120	120	32G120110	120/110	32G120105	120/105	32G120100	120/100	H-120
	HTL-32-115	115	32G115105	115/105	32G115100	115/100	32G115595	115/95	H-115
	HTL-32-110	110	32G110100	110/100	32G11095	110/95	32G11090	110/90	H-110
	HTL-32-105	105	32G10595	105/95	32G10590	105/90	32G10080	100/80	H-100
	HTL-32-100	100	32G10090	100/90	32G10085	100/85	32G10080	100/80	H-100
	HTL-32-95	95	32G9585	95/85	32G9580	95/80			H-95
	HTL-32-90	90	32G9080	90/80					H-90
	HTL-32-85	85							
	HTL-32-80	80							



Multi Options Cassette Type Slim Torque Wrench

Features

Maximum Operating Pressure: Capable of withstanding up to 10,000 psi (700 Bar), ensuring optimal performance in high-pressure applications.

Slimline, One-Piece Piston Construction: Featuring a compact and streamlined design with a single-piece piston, the system offers enhanced durability and easy handling in tight spaces.

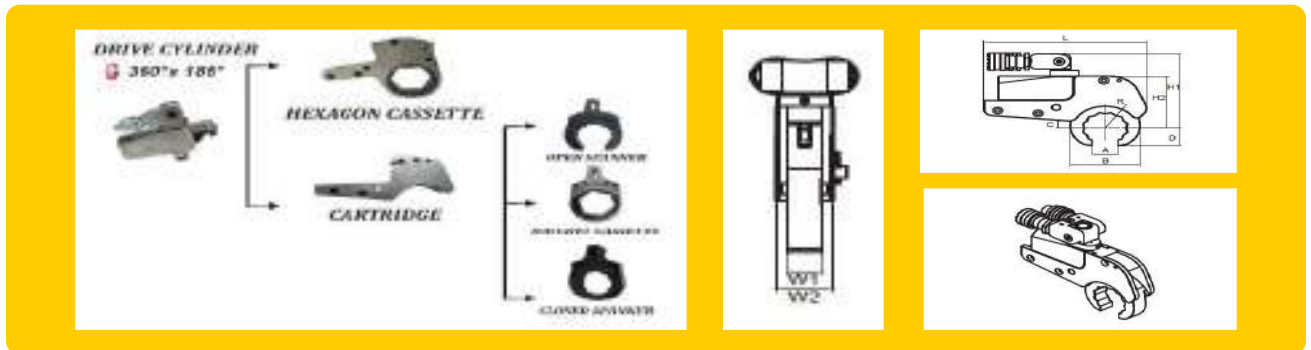
360° x 185° Uni-Swivel Design: The unique swivel mechanism allows full 360° rotation and 185° articulation, providing unmatched flexibility and ease of operation in various working environments.

Alloy Steel Construction: Built with high-strength alloy steel throughout, the system offers exceptional durability and reliability, even in the most demanding industrial applications.

Interchangeable with Various Cassette Types: The HYDROTORC OJT Series is quickly interchangeable with the OJT Hexagon Cassette, OJR Ratchet Cassette, OJT CS Closed Spanner, and OJT CO Open Spanner via a drive cylinder, offering versatile tool compatibility for different tasks.

Ideal for Limited Clearance Applications: Perfectly suited for applications with limited space, such as valves and blowout preventers (BOPs), allowing for efficient torquing in confined or hard-to-reach areas.

HYDROTORC's OJT Series Hydraulic Wrench System is engineered to deliver high performance, versatility, and ease of use, making it an essential tool for a wide range of industrial applications requiring precise torque control in confined spaces.



Open Spanner

IMPERIAL

ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (2-UST-OJ) IMPERIAL										
Model	Nut Size	Dimension (inch)								
	Imperial	A	B	C	D	R	H2	H1	W1	W2
2-UST-OJ 1.1/16"	1.1/16"	0.79	1.83	0.49	0.51	1.46	3.46	4.94	0.77	1.26
2-UST-OJ 1.1/4"	1.1/4"	0.87	2.36	0.49	0.67	1.46	3.46	4.94	0.77	1.26
2-UST-OJ 1.7/16"	1.7/16"	1.00	2.66	0.49	0.79	1.46	3.46	4.94	0.77	1.26
2-UST-OJ 1.5/8"	1.5/8"	1.10	3.05	0.49	0.95	1.46	3.46	4.94	0.77	1.26
2-UST-OJ 1.13/16"	1.13/16"	1.22	3.27	0.49	1.06	1.46	3.46	4.94	0.77	1.26
2-UST-OJ 2"	2"	1.34	3.46	0.49	1.22	1.46	3.46	4.94	0.77	1.26
2-UST-OJ 2.3/16"	2.3/16"	1.44	3.68	0.49	1.34	1.46	3.46	4.94	0.77	1.26

METRIC

ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (2-UST-OJ) METRIC												
Model	Nut Size	Dimension (mm)										
	Metric	A	B	C	D	R	H2	H1	W1	W2	L	
2-UST-OJ 27	27	20	46	12	13	37	88	125	20	32	189	
2-UST-OJ 32	32	22	60	12	17	37	88	125	20	32	189	
2-UST-OJ 36	36	25	68	12	20	37	88	125	20	32	189	
2-UST-OJ 41	41	28	77	12	24	37	88	125	20	32	189	
2-UST-OJ 46	46	31	83	12	27	37	88	125	20	32	189	
2-UST-OJ 50	50	34	88	12	31	37	88	125	20	32	189	
2-UST-OJ 55	55	37	93	12	34	37	88	125	20	32	189	

ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (4-UST-OJ) IMPERIAL										
Model	Nut Size	Dimension (inch)								
	Imperial	A	B	C	D	R	H2	H1	W1	W2
4-UST-OJ 1.5/8"	1.5/8"	1.10	2.95	0.91	1.04	2.05	4.8	6.77	1.02	1.70
4-UST-OJ 1.13/16"	1.13/16"	1.22	3.34	0.91	1.14	2.05	4.8	6.77	1.02	1.70
4-UST-OJ 2"	2"	1.34	3.55	0.91	1.24	2.05	4.8	6.77	1.02	1.70
4-UST-OJ 2.3/16"	2.3/16"	1.44	3.90	0.91	1.33	2.05	4.8	6.77	1.02	1.70
4-UST-OJ 2.3/8"	2.3/8"	1.62	4.26	0.91	1.45	2.05	4.8	6.77	1.02	1.70
4-UST-OJ 2.9/16"	2.9/16"	1.69	4.61	0.91	1.54	2.05	4.8	6.77	1.02	1.70
4-UST-OJ 2.3/4"	2.3/4"	1.82	4.83	0.91	1.66	2.05	4.8	6.77	1.02	1.70

ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (4-UST-OJ) METRIC											
Model	Nut Size	Dimension (mm)									
	Metric	A	B	C	D	R	H2	H1	W1	W2	L
4-UST-OJ 41	41	28	75	23	26	52	122	172	26	43	248
4-UST-OJ 46	46	31	85	23	29	52	122	172	26	43	248
4-UST-OJ 50	50	34	90	23	32	52	122	172	26	43	248
4-UST-OJ 55	55	37	99	23	34	52	122	172	26	43	248
4-UST-OJ 60	60	41	108	23	37	52	122	172	26	43	248
4-UST-OJ 65	65	43	117	23	39	52	122	172	26	43	248
4-UST-OJ 70	70	46	123	23	42	52	122	172	26	43	248

ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (8-UST-OJ) IMPERIAL										
Model	Nut Size	Dimension (inch)								
	Imperial	A	B	C	D	R	H2	H1	W1	W2
8-UST-OJ 2"	2"	1.34	3.41	0.94	1.16	2.64	5.77	7.74	1.30	2.09
8-UST-OJ 2.3/16"	2.3/16"	1.44	3.74	0.94	1.27	2.64	5.77	7.74	1.30	2.09
8-UST-OJ 2.3/8"	2.3/8"	1.62	4.09	0.94	1.39	2.64	5.77	7.74	1.30	2.09
8-UST-OJ 2.9/16"	2.9/16"	1.69	4.51	0.94	1.54	2.64	5.77	7.74	1.30	2.09
8-UST-OJ 2.3/4"	2.3/4"	1.82	4.85	0.94	1.68	2.64	5.77	7.74	1.30	2.09
8-UST-OJ 2.15/16"	2.15/16"	1.95	5.28	0.94	1.75	2.64	5.77	7.74	1.30	2.09
8-UST-OJ 3.1/8"	3.1/8"	2.08	5.61	0.94	1.87	2.64	5.77	7.74	1.30	2.09

ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (8-UST-OJ) METRIC											
Model	Nut Size	Dimension (mm)									
	Metric	A	B	C	D	R	H2	H1	W1	W2	L
8-UST-OJ 50	50	34	87	24	28	67	147	197	33	53	298
8-UST-OJ 55	55	37	95	24	32	67	147	197	33	53	298
8-UST-OJ 60	60	41	104	24	35	67	147	197	33	53	298
8-UST-OJ 65	65	43	114	24	39	67	147	197	33	53	298
8-UST-OJ 70	70	46	123	24	43	67	147	197	33	53	298
8-UST-OJ 75	75	50	134	24	44	67	147	197	33	53	298
8-UST-OJ 80	80	53	142	24	47	67	147	197	33	53	298

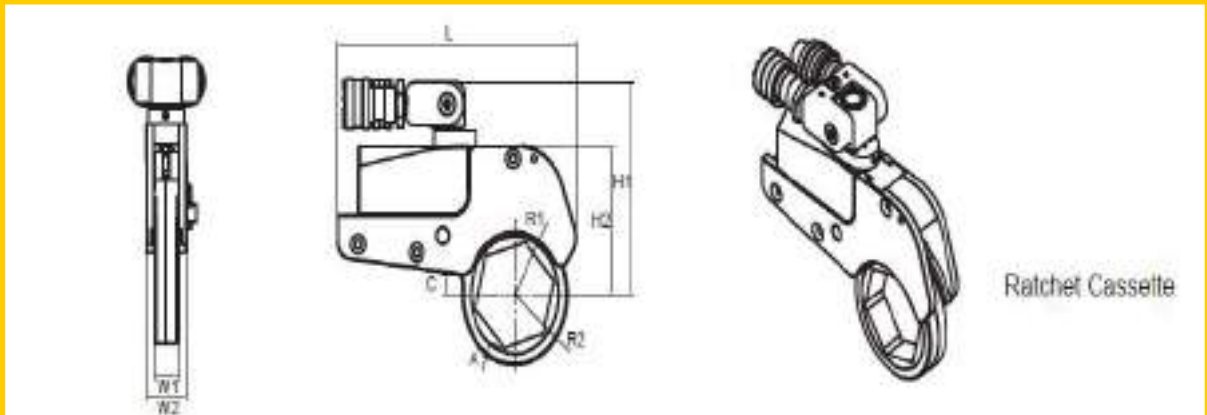
ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (14-UST-OJ) IMPERIAL										
Model	Nut Size	Dimension (inch)								
	Imperial	A	B	C	D	R	H2	H1	W1	W2
14-UST-OJ 2.3/4"	2.3/4"	1.82	4.72	1.10	1.66	3.15	6.92	8.89	1.53	2.52
14-UST-OJ 2.15/16"	2.15/16"	1.95	5.14	1.10	1.77	3.15	6.92	8.89	1.53	2.52
14-UST-OJ 3.1/8"	3.1/8"	2.08	5.51	1.10	1.89	3.15	6.92	8.89	1.53	2.52
14-UST-OJ 3.5/16"	3.5/16"	2.23	5.99	1.10	2.00	3.15	6.92	8.89	1.53	2.52
14-UST-OJ 3.1/2"	3.1/2"	2.38	6.39	1.10	2.14	3.15	6.92	8.89	1.53	2.52
14-UST-OJ 3.11/16"	3.11/16"	2.54	6.61	1.10	2.23	3.15	6.92	8.89	1.53	2.52
14-UST-OJ 3.7/8"	3.7/8"	2.7	6.83	1.10	2.37	3.15	6.92	8.89	1.53	2.52

ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (14-UST-OJ) METRIC											
Model	Nut Size	Dimension (mm)									
	Metric	A	B	C	D	R	H2	H1	W1	W2	L
14-UST-OJ 70	70	46	120	28	42	80	176	226	39	64	369
14-UST-OJ 75	75	50	130	28	45	80	176	227	39	64	369
14-UST-OJ 80	80	53	140	28	48	80	176	228	39	64	369
14-UST-OJ 85	85	57	152	28	51	80	176	229	39	64	369
14-UST-OJ 90	90	61	162	28	54	80	176	230	39	64	369
14-UST-OJ 95	95	65	168	28	57	80	176	231	39	64	369
14-UST-OJ 100	100	69	173	28	60	80	176	232	39	64	369

ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (30-UST-OJ) IMPERIAL										
Model	Nut Size	Dimension (inch)								
	Imperial	A	B	C	D	R	H2	H1	W1	W2
30-UST OJ 3.1/2"	3.1/2"	2.38	6.20	1.22	2.15	4.33	8.99	10.95	1.98	3.35
30-UST OJ 3.7/8"	3.7/8"	2.69	6.65	1.22	2.39	4.33	8.99	10.95	1.98	3.35
30-UST OJ 4.3/8"	4.3/8"	3.01	7.46	1.22	2.62	4.33	8.99	10.95	1.98	3.35
30-UST OJ 4.5/8"	4.5/8"	3.27	8.22	1.22	2.78	4.33	8.99	10.95	1.98	3.35
30-UST OJ 5.1/8"	5.1/8"	3.37	9.06	1.22	3.07	4.33	8.99	10.95	1.98	3.35
30-UST OJ 5.3/8"	5.3/8"	3.57	9.29	1.22	3.19	4.33	8.99	10.95	1.98	3.35
30-UST OJ 5.3/4"	5.3/4"	3.98	9.74	1.22	3.42	4.33	8.99	10.95	1.98	3.35

ULTRA SLIM TORQUE WRENCH OPEN JAW SPANNER (30-UST-OJ) METRIC											
Model	Nut Size	Dimension (mm)									
	Metric	A	B	C	D	R	H2	H1	W1	W2	L
30-UST OJ 90	90	61	158	31	55	110	228	278	50	85	425
30-UST OJ 100	100	69	169	31	61	110	228	278	50	85	425
30-UST OJ 110	110	77	190	31	67	110	228	278	50	85	425
30-UST OJ 115	115	83	209	31	71	110	228	278	50	85	425
30-UST OJ 130	130	86	230	31	78	110	228	278	50	85	425
30-UST OJ 135	135	91	236	31	81	110	228	278	50	85	425
30-UST OJ 145	145	101	247	31	87	110	228	278	50	85	425

Ratchet Spanner



IMPERIAL

METRIC

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (2-UST-BR) IMPERIAL											
Model	Nut Size	Torque	Dimension (inch)								
	Imperial	Ft.lbs	A	R1	R2	C	H2	H1	W1	W2	
2-UST-BR 1.1/16"	1.1/16"	143~1438	0.41	1.46	1.02	0.49	3.46	4.94	0.77	1.26	
2-UST-BR 1.1/4"	1.1/4"		0.38	1.46	1.10	0.49	3.46	4.94	0.77	1.26	
2-UST-BR 1.7/16"	1.7/16"		0.38	1.46	1.21	0.49	3.46	4.94	0.77	1.26	
2-UST-BR 1.5/8"	1.5/8"		0.40	1.46	1.34	0.49	3.46	4.94	0.77	1.26	
2-UST-BR 1.13/16"	1.13/16"		0.41	1.46	1.46	0.49	3.46	4.94	0.77	1.26	
2-UST-BR 2"	2"		0.39	1.46	1.54	0.49	3.46	4.94	0.77	1.26	
2-UST-BR 2.3/16"	2.3/16"		0.38	1.46	1.65	0.49	3.46	4.94	0.77	1.26	

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (2-UST-BR) METRIC												
Model	Nut Size	Torque	Dimension (mm)									
	Metric	N.m	A	R1	R2	C	H2	H1	W1	W2	L	
2-UST-BR 27	27	194~1949	10	37	26	12	88	125	20	32	189	
2-UST-BR 32	32		10	37	28	12	88	125	20	32	189	
2-UST-BR 36	36		10	37	31	12	88	125	20	32	189	
2-UST-BR 41	41		10	37	34	12	88	125	20	32	189	
2-UST-BR 46	46		10	37	37	12	88	125	20	32	189	
2-UST-BR 50	50		10	37	39	12	88	125	20	32	189	
2-UST-BR 55	55		10	37	42	12	88	125	20	32	189	

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (4-UST-BR) IMPERIAL											
Model	Nut Size	Torque	Dimension (inch)								
	Imperial	Ft.lbs	A	R1	R2	C	H2	H1	W1	W2	
4-UST-BR 1.5/8"	1.5/8"	372~3720	0.42	2.05	1.36	0.91	4.8	6.77	1.02	1.70	
4-UST-BR 1.13/16"	1.13/16"		0.42	2.05	1.46	0.91	4.8	6.77	1.02	1.70	
4-UST-BR 2"	2"		0.46	2.05	1.61	0.91	4.8	6.77	1.02	1.70	
4-UST-BR 2.3/16"	2.3/16"		0.46	2.05	1.72	0.91	4.8	6.77	1.02	1.70	
4-UST-BR 2.3/8"	2.3/8"		0.46	2.05	1.83	0.91	4.8	6.77	1.02	1.70	
4-UST-BR 2.9/16"	2.9/16"		0.45	2.05	1.93	0.91	4.8	6.77	1.02	1.70	
4-UST-BR 2.3/4"	2.3/4"		0.46	2.05	2.05	0.91	4.8	6.77	1.02	1.70	

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (4-UST-BR) METRIC												
Model	Nut Size	Torque	Dimension (mm)									
	Metric	N.m	A	R1	R2	C	H2	H1	W1	W2	L	
4-UST-BR 41	41	504~5044	11	52	35	23	122	172	26	43	248	
4-UST-BR 46	46		11	52	37	23	122	172	26	43	248	
4-UST-BR 50	50		12	52	41	23	122	172	26	43	248	
4-UST-BR 55	55		12	52	44	23	122	172	26	43	248	
4-UST-BR 60	60		12	52	46	23	122	172	26	43	248	
4-UST-BR 65	65		12	52	49	23	122	172	26	43	248	
4-UST-BR 70	70		12	52	52	23	122	172	26	43	248	

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (8-UST-BR) IMPERIAL										
Model	Nut Size	Torque		Dimension (inch)						
	Imperial	Ft.lbs	A	R1	R2	C	H2	H1	W1	W2
8-UST-BR 2"	2"	678~6788	0.58	2.64	1.73	0.94	5.77	7.74	1.3	2.09
8-UST-BR 2.3/16"	2.3/16"		0.58	2.64	1.84	0.94	5.77	7.74	1.3	2.09
8-UST-BR 2.3/8"	2.3/8"		0.58	2.64	1.95	0.94	5.77	7.74	1.3	2.09
8-UST-BR 2.9/16"	2.9/16"		0.58	2.64	2.06	0.94	5.77	7.74	1.3	2.09
8-UST-BR 2.3/4"	2.3/4"		0.58	2.64	2.17	0.94	5.77	7.74	1.3	2.09
8-UST-BR 2.15/16"	2.15/16"		0.60	2.64	2.28	0.94	5.77	7.74	1.3	2.09
8-UST-BR 3.1/8"	3.1/8"		0.62	2.64	2.40	0.94	5.77	7.74	1.3	2.09

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (8-UST-BR) METRIC												
Model	Nut Size	Torque		Dimension (mm)								
	Metric	N.m	A	R1	R2	C	H2	H1	W1	W2	L	
8-UST-BR 50	50	919~9204	15	67	44	24	147	197	33	53	298	
8-UST-BR 55	55		15	67	47	24	147	197	33	53	298	
8-UST-BR 60	60		15	67	50	24	147	197	33	53	298	
8-UST-BR 65	65		15	67	52	24	147	197	33	53	298	
8-UST-BR 70	70		15	67	55	24	147	197	33	53	298	
8-UST-BR 75	75		15	67	58	24	147	197	33	53	298	
8-UST-BR 80	80		15	67	61	24	147	197	33	53	298	

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (14-UST-BR) IMPERIAL										
Model	Nut Size	Torque		Dimension (inch)						
	Imperial	Ft.lbs	A	R1	R2	C	H2	H1	W1	W2
14-UST-BR 2.3/4"	2.3/4"	1191~11918	0.72	3.15	2.3	1.1	6.92	8.89	1.53	2.52
14-UST-BR 2.15/16"	2.15/16"		0.72	3.15	2.41	1.1	6.92	8.89	1.53	2.52
14-UST-BR 3.1/8"	3.1/8"		0.72	3.15	2.53	1.1	6.92	8.89	1.53	2.52
14-UST-BR 3.5/16"	3.5/16"		0.73	3.15	2.65	1.1	6.92	8.89	1.53	2.52
14-UST-BR 3.1/2"	3.1/2"		0.75	3.15	2.78	1.1	6.92	8.89	1.53	2.52
14-UST-BR 3.11/16"	3.11/16"		0.75	3.15	2.89	1.1	6.92	8.89	1.53	2.52
14-UST-BR 3.7/8"	3.7/8"		0.75	3.15	3	1.1	6.92	8.89	1.53	2.52

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (14-UST-BR) METRIC												
Model	Nut Size	Torque		Dimension (mm)								
	Metric	N.m	A	R1	R2	C	H2	H1	W1	W2	L	
14-UST-BR 70	70	1616~16160	18	80	58	28	176	226	39	64	369	
14-UST-BR 75	75		18	80	61	28	176	226	39	64	369	
14-UST-BR 80	80		18	80	64	28	176	226	39	64	369	
14-UST-BR 85	85		18	80	67	28	176	226	39	64	369	
14-UST-BR 90	90		18	80	71	28	176	226	39	64	369	
14-UST-BR 95	95		18	80	73	28	176	226	39	64	369	
14-UST-BR 100	100		18	80	76	28	176	226	39	64	369	

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (30-UST-BR) IMPERIAL										
Model	Nut Size	Torque		Dimension (inch)						
	Imperial	Ft.lbs	A	R1	R2	C	H2	H1	W1	W2
30-UST-BR 3.1/2"	3.1/2"	2616~26166	1.05	4.33	3.07	1.22	8.89	10.95	1.98	3.35
30-UST-BR 3.7/8"	3.7/8"		1.04	4.33	3.27	1.22	8.89	10.95	1.98	3.35
30-UST-BR 4.3/8"	4.3/8"		0.98	4.33	3.51	1.22	8.89	10.95	1.98	3.35
30-UST-BR 4.5/8"	4.5/8"		1.01	4.33	3.69	1.22	8.89	10.95	1.98	3.35
30-UST-BR 5.1/8"	5.1/8"		1.00	4.33	3.96	1.22	8.89	10.95	1.98	3.35
30-UST-BR 5.3/8"	5.3/8"		1.01	4.33	4.12	1.22	8.89	10.95	1.98	3.35
30-UST-BR 5.3/4"	5.3/4"		0.97	4.33	4.29	1.22	8.89	10.95	1.98	3.35

ULTRA SLIM TORQUE WRENCH RATCHET SPANNER (30-UST-BR) METRIC												
Model	Nut Size	Torque		Dimension (mm)								
	Metric	N.m	A	R1	R2	C	H2	H1	W1	W2	L	
30-UST-BR 90	90	3547~35481	26	110	78	31	228	278	50	85	425	
30-UST-BR 100	100		26	110	83	31	228	278	50	85	425	
30-UST-BR 110	110		26	110	89	31	228	278	50	85	425	
30-UST-BR 115	115		26	110	94	31	228	278	50	85	425	
30-UST-BR 130	130		26	110	101	31	228	278	50	85	425	
30-UST-BR 135	135		26	110	105	31	228	278	50	85	425	
30-UST-BR 145	145		26	110	109	31	228	278	50	85	425	

Magnetic Locks

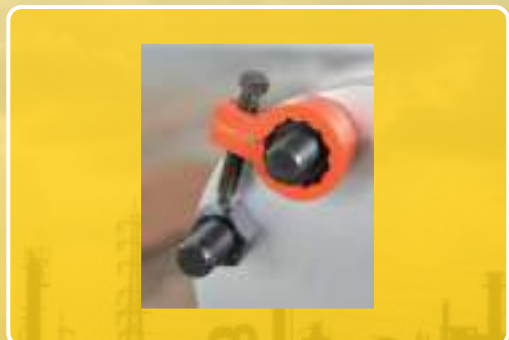
The Backup Wrench is equipped with two high strength magnets embedded into the side of the unit. These magnets allow the wrench to be quickly installed and held in place against the side of a steel application.

Adjustable Arm

The Backup Wrench is provided with an adjustable arm that simplifies installation in a variety of configurations. The eyebolt on the arm may be adjusted to quickly to lock the wrench in place or to unlock following the bolting operation. Add a lanyard to the eye-bolt to prevent drop hazards.

Quick Release

- The fastest and easiest way to stop counter-nut rotation while bolting
- Simple lock-on and quick-release increases productivity and safety
- Quick-release eliminates dangerous, time-consuming hammer usage
- Complete sets available to cover all heavy hex sizes



Hydrotorc Top Side Hydraulic Bolt Tensioners HT-TBT Series

Features

A Torsion free bolt elongation operation ensures that a gall damage free workspace is maintained. With Hydrotorc's Top Side Hydraulic Bolt Tensioners (TBT) one can take on heavy duty tasks of bolt tensioning: Purely axial, tensile loading ensures no torsional stresses are introduced as they are by Torque wrenches.

Detachable and rotational bridge simplifies bolt tensioner positioning.

The applied load is controlled very accurately because it is directly proportional to the pressure applied to the tensioner.

High strength puller bars, reliable load cells allow the top side bolt tensioners to be used for various stud size.

Why use Hydrotorc's TBT Series - Top Side Hydraulic Bolt Tensioners?

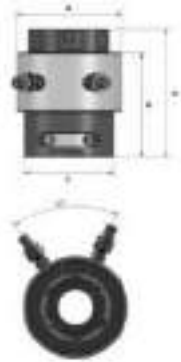
Special Seal Kit

With a lower coefficient of friction the spring return mechanism retracts the piston faster



Piston Cylinder Misalignment Compensation

The hydraulic bolt tightening machine has finely machined components that prevent leakages and load loss.



Interchangeable Bridge

A versatile tool that can fit on various nut sizes using the same load cell with different bridge sizes.

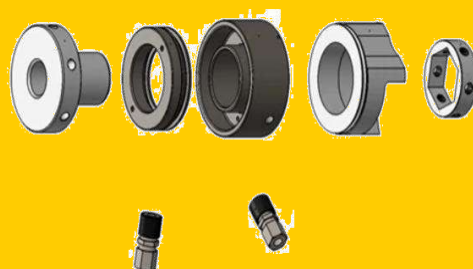


Fully Enclosed Load Cell

To prevent debris from falling into the cylinder area jamming the operation the load cell is fully enclosed.



	Metric	Imperial
Minimum Tensioning Load	234.4 KN	
Maximum Tensioning Load	5406 KN	
Number of Tool Models	9	
Minimum Tool Weight	3 Kgs	6.61 Lbs.
Maximum Tool Weight	120 Kgs	264.55 Lbs
Maximum Rated Pressure	1500 Bar	21555 PSI



Model	Bolt Size		Cylinder kN (Ton)	Hyd Area Cm2 (in1)	Dimension						Weight kg (lbs)
	Metric	Inch			A	B	C	D	E	F	
					mm (in)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
HT-BT-3	M16	-	234.2 (23.88)	15.7 (2.43)	75 (2.95)	32.5 (1.27)	168 (6.61)	90 (3.54)	62 (2.44)	47-51 (1.8-2.0)	3 (6.61)
	M18	3/4"									
	M20	-									
	M22	7/8"									
	M24	1"									
HT-BT-5	M27	1-1/8"	498.2 (50.80)	33 (5.11)	102 (4.01)	47 (1.85)	187 (7.36)	106 (4.17)	60 (2.36)	65-71 (2.5-2.8)	5.50 (12.12)
	M30	-									
	M33	1-1/4"									
	M36	1-3/8"									
HT-BT-9	M39	1-1/2"	896.8 (91.44)	59.7 (9.25)	133 (5.23)	61 (2.40)	208 (8.18)	120 (4.72)	60 (2.36)	86-93 (3.4-3.7)	10 (22.04)
	M42	1-5/8"									
	M45	1-3/4"									
	M48	1-7/8"									
HT-BT-13	M52	2"	1660.0 (169.27)	83 (12.86)	163 (6.41)	73 (2.87)	231 (9.09)	135 (5.31)	62 (2.44)	106-114 (4.2-4.5)	16 (35.27)
	M56	2-1/2"									
	M60	-									
HT-BT-19	M64	2-1/2"	1843.3 (187.96)	123 (19.06)	193 (7.59)	86.5 (3.40)	254 (10)	150 (5.90)	62 (2.44)	129-135 (5.1-5.3)	22 (48.50)
	M68	-									
	M72	2-3/4"									
	M76	3"									
HT-BT-27	M76	3"	2640.5 (269.25)	176 (27.28)	233 (9.17)	110 (4.33)	286 (11.25)	180 (7.08)	73 (2.87)	155-167 (6.1-6.6)	40 (88.18)
	M80	-									
	M85	3-1/4"									
	M90	3-1/2"									
	M95	3-3/4"									
	M100	4"									
HT-BT-37	M90	3-1/2"	3768.0 (384.22)	251 (38.90)	280 (11.02)	111-121 (4.4-4.8)	304-338 (11.9-13.3)	181-197 (7.1-7.7)	37-40 (1.4-1.6)	175-196 (6.9-7.7)	64 (141.09)
	M95	3-3/4"									
	M100	4"									
	M110	4.1-4"									
HT-BT-44	M100	4"	4335.0 (442.04)	289 (44.79)	314 (12.4)	121-140 (4.8-5.5)	304-338 (11.8-13.3)	181-197 (7.1-7.7)	37-40 (1.4-1.5)	210-233 (8.3-9.2)	45 (99.20)
	M110	4-1/4"									
HT-BT-54	M120	4-3/4"	5407.0 (551.36)	360 (55.80)	344 (13.5)	131-161 (5.1-6.3)	354-388 (13.9-15.3)	202-216 (7.9-8.5)	42-47 (1.7-1.8)	243-275 (9.5-10.8)	73 (160.93)
	M130	5-1/4"									
	M140	5-1/2"									
	M150	5-3/4"									

➤ Spring Return Hydraulic Bolt Tensioners

Features

An hydraulic bolt tensioner with an auto retract mechanism would help with rapid setup of a bolt tensioning operation. This tool would reduce the amount of time required to remove tensioner and have additional advantages such as

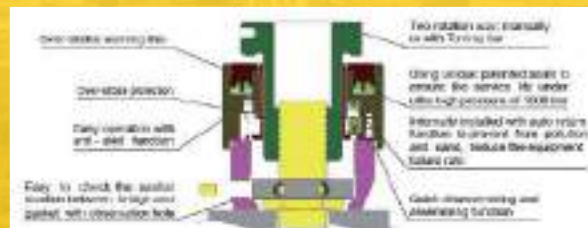
Spring return mechanism ensures piston retraction of the tensioner, ensuring quick tensioning cycles.

Built-in Stroke limit valve safely prevents over stroke.

Avoid torsional stresses and galling on the nut seat found in torque wrenches.

Simultaneous tensioning of multiple bolts

	Metric	Imperial
Minimum Tensioning Load Range	160 KN	
Maximum Tensioning Load Range	3200 KN	
Number of Tool Models	8	
Minimum Weight of Tools	5 Kgs	11.02 Lbs.
Maximum Weight of Tools	32 Kgs	70.54 Lbs.
Maximum Rated Pressure	1500 Bar	21555 PSI



Type	Bolt Range		Load		Area of Thrust Surface		A		B		C		D							
	British system	Metric	Lbs	KN	in ²	mm ²	in	mm	in	mm	in	mm	British system		Metric					
													in	mm	in	mm				
HT-SRT0	3/4"	M20	35500	160	1.65	1067	2.6	66	3.7	93	2.5	63	5.4	136	5.5	142				
	7/8"	M22											5.6	142	5.6	144				
HT-SRT1	1"	M24	61950	280	2.89	1867	3.4	87	4.6	117	2.7	68	6.9	175	6.9	175				
		M27													7	178				
	1-1/8"												4.7	120	2.8	72	7.1	181		
HT-SRT2	1"	M24	99700	450	4.65	3001	4.1	103	4.6	117	3	75	6.9	175	6.9	175				
		M27													7	178				
	1-1/8"	M30											4.7	120	3.2	80	7.1	188	7.2	184
	1-1/4"	M33											4.8	123	3.3	84	7.4	195	7.5	190
	1-3/8"	M36											5	126	3.5	89	7.7		7.7	196
HT-SRT3	1-1/4"	M33	145950	660	6.82	4401	4.7	118	4.8	123	3.5	88	7.5	190	7.6	192				
	1-3/8"	M36											5	126	3.8	96	7.8	197	7.8	198
	1-1/2"	M39											5.1	130	3.8	96	8	203	8	204
	1-5/8"	M42											5.2	133	4.1	105	8.2	209	8.3	211
HT-SRT4	1-1/2"	M39	223550	1000	10.34	6668	5.5	140.5	5.2	132	4.4	112	8.3	211	8.4	212				
	1-5/8"	M42											5.3	135	4.5	114	8.5	217	8.6	218
	1-3/4"	M45											5.5	139	4.7	118	8.8	223	8.9	225
	1-7/8"	M48											5.6	142	4.5	114	9.1	230	9.1	231
	2"	M52											5.7	145	4.7	120	9.3	236		
HT-SRT5	2"	M52	331400	1500	15.5	10003	6.9	175.5	5.8	148	4.7	120	9.7	246	9.8	248				
	2-1/4"	M56											6.1	154	5.4	138	10.2	259	10.2	258
		M60											6.3	161	5.4	138	10.2	259	10.3	262
	2-1/2"	M64											6.3	161	6	153	10.7	272	10.8	273
	2-3/4"	M68											6.6	167	6.1	156	11.2	284	11.1	283
HT-SRT6	2-3/4"	M72	553200	2500	25.84	16671	8.6	219	6.6	167	6.2	157	11.6	294	11.7	297				
	3"	M76											6.9	171	7.2	182	12.1	307	12.1	308
		M80											7.1	180	7.5	190			12.3	312
	3-1/4"	M85											7.1	180	7.5	190	12.6	320	12.7	323
	3-1/2"	M90											7.3	186	8.1	205	13.1	332	13.2	334
HT-SRT-7	3-1/2"	M90	708200	3200	33.06	21339	9.9	252	7.3	186	7.9	200	13.2	339	13.3	341				
		M95											7.3	186	7.9	200			13.5	346
	3-3/4"	M100											7.6	192	7.9	200	13.7	352	13.9	356
	4"												7.8	199	8.3	210	14.2	363		

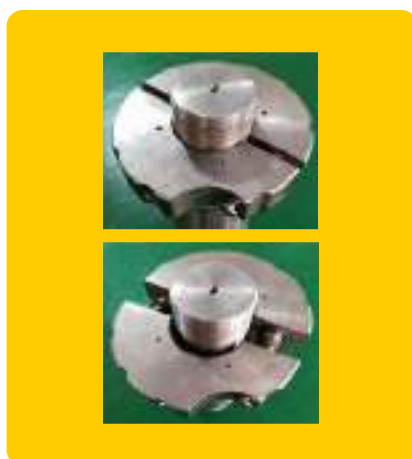
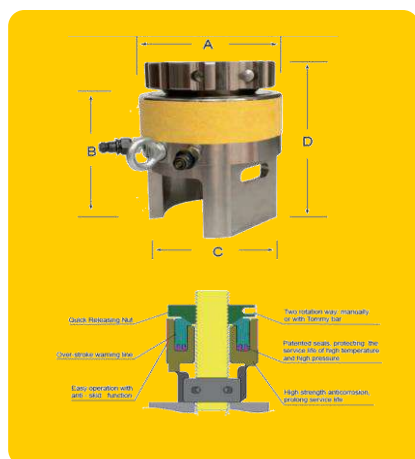


Subsea Hydraulic Bolt Tensioners

Features

- SSBT series subsea tensioner is designed with quick releasing nut for operation trustiness and improve working.
- High pressure hose can be supplied from 5 to 210 meters.
- The hose reel assembly is available.

Type	S		Load	Hydraulic		A	B	C	Minimum Boil		D	Stroke
				Area		in/mm	in/mm	in/mm	Height		in/mm	in/mm
	Imp	Metric		in ²	mm ²				in	mm		
SSBT-1	3/4"	M20	141	1.96	943	2.60/66	3.82/97	1.89/48	4.09	107	8.98/228	0.79/20
	7/8"	M22							3.98	105		
SSBT-2	1"	M24	237	2.45	1585	3.23/82	5.02/127.5	2.36/60	5.24	139	11.65/296	1.82/30
	1-1/8"	M27							5.12	136		
		M30								134		
SSBT-3	1-1/4"	M33	379	3.92	2532	3.82/97	5.39/137	3.03/77	5.35	142	12.17/309	1.82/30
	1-3/8"	M36							5.24	139		
SSBT-4	1-1/2"	M39	551	5.69	3676	4.37/111	5.75/146	3.54/90	5.51	147	12.58/322	1.82/30
	1-5/8"	M42							5.35	144		
SSBT-5	1-3/4"	M45	880	9.1	5868	5.35/136	6.22/158	4.49/114	5.94	160	13.46/342	1.82/30
	1-7/8"	M48							5.83	158		
		2"							M52	5.71		
SSBT-6	2-1/4"	M56	1564	16.17	10433	6.97/177	7.11/180.5	5.51/140	6.54	178	14.72/374	1.82/30
	2-1/2"	M60							6.3	175		
	2-3/4"	M64							6.08	172		
		M68								169		
		M70								165		
SSBT-7	3"	M76	2419	26.63	16128	8.54/217	7.95/202	7.09/180	7.13	195	15.10/409	1.82/30
	3-1/4"	M80							6.89	192		
		M85							6.65	188		
		M90								184		



➤ Hydraulic Bolt Tensioning Pump and Accessories

Features

Single-Acting, High-Performance Design: Engineered for optimal performance, offering a reliable and efficient solution for demanding applications.

Versatile Application: Ideal for use with bolt tensioners in the shipping vessel and wind power industries, providing precise torque control in critical environments.

Accurate Output Pressure Adjustment (Up to 3000 Bar): Features precise pressure adjustment capabilities, allowing for accurate control of output pressure up to 2000 bar for varying operational needs.

Quick and Easy Connection: Designed for seamless integration with quick-release couplings, enabling fast and secure connections for efficient operation.

Compact and Portable Design: The lightweight, compact design ensures easy transport and handling, making it highly convenient for on-site use in various industries.

The pump, equipped with an integrated cooling system, is designed for continuous operation for up to 24 hours without compromising performance.

Air pressure 2-8 bar, air consumption 0.8m³/min, Output pressure is proportional to air supply, output pressure can be set by adjusting supply air pressure, The pump will automatically stop when the set pressure is reached.

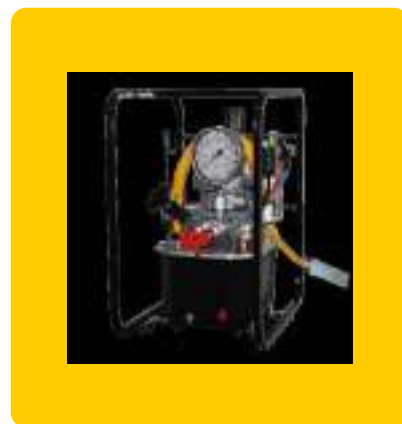
● Hydrotorc Pneumatic Operated Hydraulic Bolt Tensioning Pump BTP Series

Model name	BTP-1500	BTP-2000	BTP-3000
Working pressure (bar)	1500	2000	3000
Pressure ratio	240	300	400
Air inlet	½" BSP		
High pressure outlet	G1/4"		
Flow rate	2.8@ 0MPa, 0.35 @150 MPa	2.8@ 0MPa, 0.35 @200 MPa	2.8@ 0MPa, 0.35 @300 MPa
Effective oil capacity	7 LITER / 1.84 Gal		
Light weight	26 KG	27 KG	27 KG
Recommended oils	HLP 32 / HLP 46		
Noise level	70 dba		



Hydrotorc Pneumatic Operated Hydraulic Bolt Tensioning Pump ABT Series Model No: ABT-200

Model	ABT-2000
Air In	4 - 8 Bar
Tank Capacity	6 L
Flow (Low-High)	5.5 - 0.45 L/min
Max Output Pressure	2000 Bar
Output Port Size	2 x 1/4" BSP
Power	3KW
Weight	24 kg
Dimension	425 x 305 x 445 mm



Hydrotorc Electric Operated Bolt Tensioning Pump

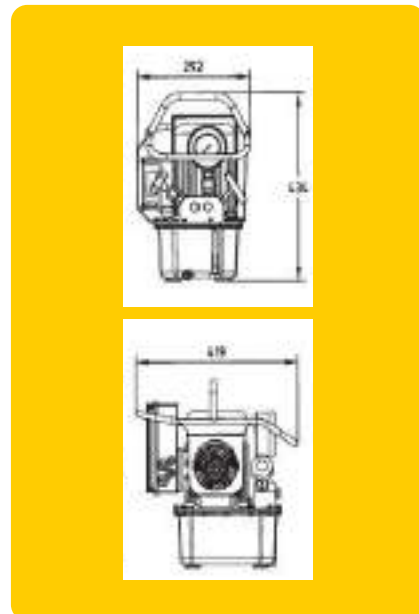
EBTP Series Bolt Tensioning Pump Electric Operated Model No: EBTP-1500

Model	EBTP-1500
Voltage	1~230V 50+60Hz
Nominal power output	0,75 kW
Low pressure < 30 bar	3,5/4,2 l/min bei 50/60Hz
High bis 1500bar*	0,5/0,6 l/min bei 50/60Hz
Connection	1-Port
Weight without/with oil	33/39 kg
Fluid capacity	6,5 l
Fluids DIN 51524-2	HLP32 or HLP46
Dimensions	Length: 45 cm, Width: 33 cm, Height: 42 cm
Noise Level	82 dB(A)



Electric Operated Bolt Tensioning Pump Model No: BTPE-2000

Model	BTPE 20A	BTPE 20D	BTPE 20X
Voltage/ Frequency	220V/50Hz	115V/60Hz	100-250V/50-60Hz
Tank capacity	5.5L		
Flow(low-High)	5.5 - 0.45 L/min	4.2-0.45 . /min	5.0 - 0.45 L/min
Max Output Pressure	2000Bar		
Output Port Size	2 x 1/4" BSP		
Power	1.1KW	0.9KW	1.5KW
Weight	27kg		
Dimension	419 x 292 x 434 mm		



➤ Hydrotorc Multi-stage Hydraulic Bolt Tensioners MSBT Series

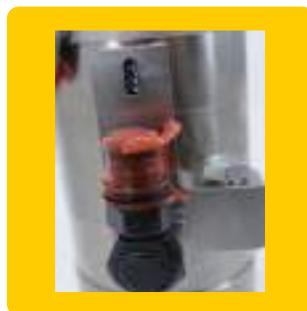
Features

In space restricted locations with large load requirements, conventional bolt tensioners do not easily fit. To overcome this limitation Hydrotorc, with its line of multistage load tensioners offer you benefits such as the following:

- Over stroke safety alarm
- Durable composite material seal kit – made of Bronze Teflon
- Auto Retract Piston
- Optional Gear Drive
- Working Pressure 1500Bar / 21755 psi
- Fast, simple, accuracy, reliable, ideal tightening and bolting tools for wind turbine
- Small, compact, large load
- Durable composite material seal kit
- Clear over stroke alarming mark
- Optional gear drive rotate nut quickly

Model	Maximum Working Pressure (bar)	Tools Load (KN)	Maximum Stroke (mm)	Effect Area (mm ²)	Outside Diameter (mm)	Stud Size	Hex Size (mm)	Weight (kg)
HTE24	1,350	307	7	2,274	59	M24	36	≈5
HTE30	1,350	461	7	3,417	72	M30	46	≈6.6
HTE33	1,350	595	7	4,407	79	M33	50	≈8
HTE36	1,350	680	10	5,037	84.5	M36	55	≈10.7
HTE39	1,350	800	10	5,926	91.5	M39	60	≈12.8
HTE42	1,350	922	10	6,830	98.5	M42	65	≈16.1
HTE45	1,350	1086	10	8,047	107	M45	70	≈20.8
HTE48	1,350	1296	10	9,604	116	M48	75	≈22
HTE56	1350	1660	10	12,296	131	M56	85	≈24
HTE64	1250	2350	10	18,800	147.8	M64	95	≈47.2

Application Pictures



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