



BOLTORQ

Inspiring Bolting Era, Accelerating Growth



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OUR STRENGTH • एक साथ हमारे

Ministry of MSME, Govt. of India



Established in 2014

BOLTORQ has emerged as a formidable presence across various industries since its inception in 2014. As a leading manufacturer and marketer of Bolt Tightening Equipment, we specialize in providing comprehensive Bolted Joint Solutions through our innovative product range tailored for projects and shutdowns across diverse sectors.

Our journey has been characterized by continuous growth and the establishment of a solid reputation for delivering quality solutions not only domestically but also to numerous developing countries worldwide. A significant portion of BOLTORQ's products is exported globally, serving prominent industries such as oil refining, chemical and petrochemical production, power generation, desalination, sugar refining, ship maintenance, and more. With extensive stock availability of our standard products, we ensure prompt fulfilment of our customers' requirements.

At BOLTORQ, our foundation is built upon pillars of Quality, Commitment to Excellence, Continuous Innovation, and an Environment Conducive to Growth. Today, we elevate Accuracy, Perfection, and Innovation to new heights through our expanded product portfolio, reaffirming our dedication to delivering superior solutions to our clientele.



We Proudly Elaborate...

We are proud to affirm that BOLTORQ has achieved accreditation in accordance with internationally recognized standards, demonstrating our unwavering commitment to quality, environmental responsibility, occupational health and safety, and support for small and medium-sized enterprises (MSMEs).

Our company holds ISO 9001:2015 certification, a testament to our dedication to maintaining a robust quality management system that consistently meets customer requirements and ensures continuous improvement.

Additionally, we adhere to ISO 14001:2015 standards, showcasing our dedication to minimizing our environmental impact through effective environmental management practices.

Furthermore, our commitment to the well-being of our employees and stakeholders is exemplified by our ISO 45001:2018 certification, affirming our compliance with occupational health and safety regulations and our efforts to create a safe and healthy work environment.



Index...

Electric Torque Wrench.....	01
Hydraulic Torque Wrench.....	02
Hydraulic Torque Wrench Pump.....	06
Hydraulic High Pressure Hoses	08
Manual Torque Wrench.....	10
Lithium-ion Torque Wrench.....	12
Impact Wrench.....	13
Torque Calibrator Machine.....	15
Electric Shear Wrench	16
Hydraulic Jacks/Cylinder	17
Hydraulic Hand Pump.....	21
Bolt Tensioners	23
Backup Wrenches	26
Nut Splitter	28
Hydraulic Flange Spreader.....	29
Torque Chart	31

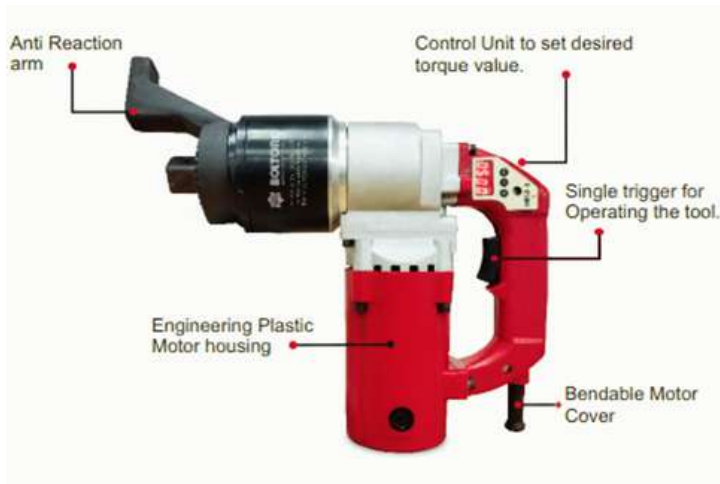


MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम



BT-DC Series

The **BT-DC Electric Torque Wrench** is a hand held, non impacting electrically driven power tool designed to apply controlled torque. The new **BOLTORQ** electric series torque Wrenches come with simple buttons to increase or decrease the value. The set torque value is displayed on the LCD display.



- Now with the digital torque settings, you can increase and decrease the value.
- Torque ranges up to 5000 Nm.
- The tool is designed to deliver a numerical preset Torque.

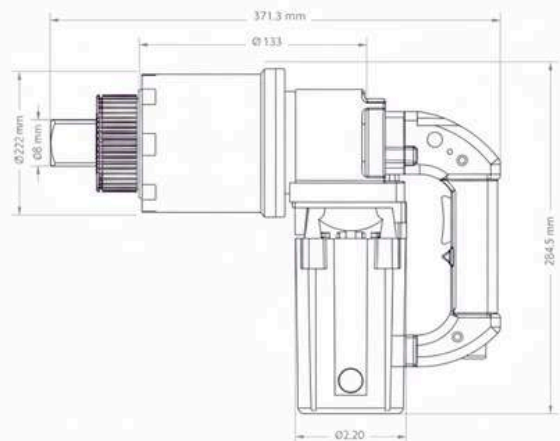
The Control Unit is an integral part of the BT-DC model and is used to set / adjust the torque values as per requirement. The control unit is mounted on the drive. As per the model and the application, the user can set the torque values in the increment of one. Only once the torque is confirmed by the user, the drive receives a signal to apply the set torque with the user pressing the trigger

✓ PRE-USAGE CHECKS

1. The BT-DC Controller requires a single phase 220V AC ~.
2. The single phase line must be electrically symmetrical with respect to Earth Ground.
3. Extension cord quality and condition is important to ensure personal safety and Electric Torque Wrench performance.

✓ FEATURES

- The Wrench has a soft start for smooth running without jerk to the operator.
- The Wrench stops after getting torque values.
- SET and RUN modes avoid accidental start of the Wrench.
- Now with digital torque settings, you can increase and decrease the value
- Torque ranges up to 5000 Nm.
- Ergonomically designed for operator comfort and reduced fatigue.
- The tool is designed to deliver a numerical preset Torque.



Model	Drive S	Power Consumption	Current A	Voltage V	Freq. HZ	Ro Speed r/min	Torque Nm	Applicate	Weight Kg
BT-DC10	1"	1300W	4.5	220	50-60	14	400-1000	M20-M24	6
BT-DC15	1"	1400W	5	220	50-60	10	500-1500	M24-M27	7
BT-DC25	1-1/4"	1400W	6	220	50-60	5	800-2500	M27-M33	8
BT-DC35	1-1/2"	1400W	6	220	50-60	3	1700-3500	M30-Above	9
BT-DC50	2-1/2"	1400W	7	220	50-60	1	2000-5000	M36-Above	12

IBT Series

Hydraulic Torque Wrenches are a work horse of the bolting world, readily available and proven, the Wrenches have a wide variety of applications.

✓ FEATURES

- Simple, faster, efficient and reliable Torque Wrench.
- High pressure seal design, suitable for static & dynamic applications.
- Quick push through drive for ease of loosening & tightening.

✓ SPECIFICATIONS

1. Available torque ranges up to 50,000 Ft. Lbs. with Maximum operating pressure of 10000 PSI (700 bar).
2. Applications include Tower Bolt Sections, Pillow block for gearbox / Alternator and Yaw drive and cover most bolt sizes for Wind Turbines.
3. Special Tools for Holding Available.
4. BOLTORQ Hydraulic Torque Wrenches maintain an accuracy of $\pm 3\%$ while torquing.



BOLTORQ manufactures Simple, Faster, Efficient and Reliable **Hydraulic Torque Wrenches** that are user friendly. The high strength alloy steel and controlled vacuum heat treatment ensures stronger drive components. Improved high pressure seal design is suitable for static & dynamic applications.

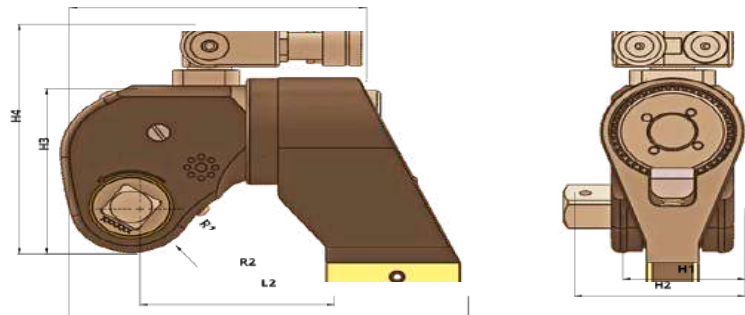
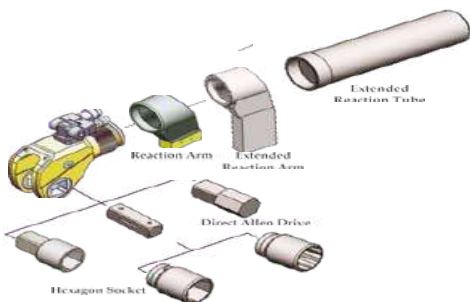
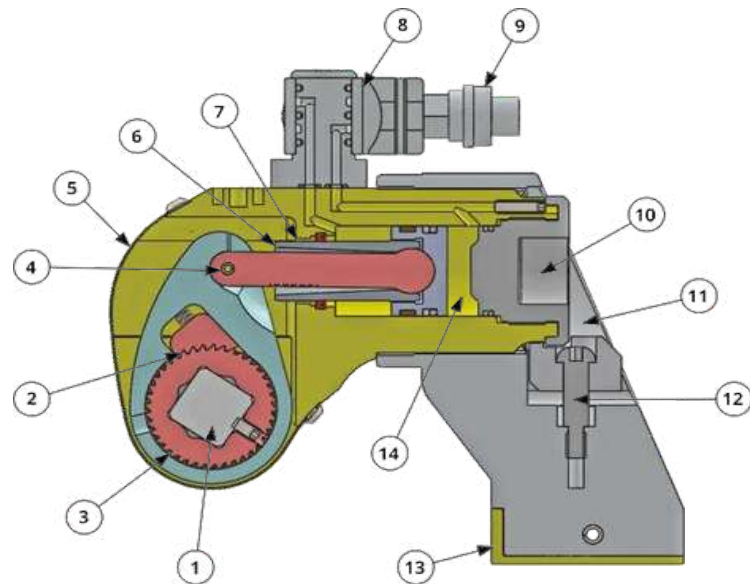
There are -

- Provision for lifting tools / handle.
- Standard spline design with torque effective length for exact PCD engagement of reaction Arm.
- High strength aerospace aluminium material for light weight and stronger body design.
- Scratch proof hard anodized body and reaction arm.

TYPE	07IBT	1IBT	3IBT	5IBT	8IBT	10IBT	20IBT	25IBT	35IBT	50IBT
Torque (N.m)	112-1120	183-1837	451-4512	752-7528	1078-10780	1551-15516	2666-26664	3472-34725	4866-48666	7200-72000
Bolt Size (M)	14-30	16-36	22-48	27-56	30-64	36-72	42-90	48-100	64-120	72-125
Weight (Kg)	1.8	2.5	5	8	11	15	26.5	35	50	87
Square Drive	3/4"	3/4"	1"	1-1/2"	1-1/2"	1-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"

Hydraulic Torque Wrench Square Drive

1. Quick push through drive for ease of loosening and targeting.
2. Fine Ratchet and Pawl for better engagement.
3. Multi tooth drive segment ensures and engagement upto 32°.
4. Balanced drive Rod - Side load free piston movement.
5. Laser engraved torque chart in (Nm & ft lbs).
6. Hard chrome plating on piston rod ensures better wear resistance of rod seal.
7. Self lubricating low Nickel Bronze drive bush protects the body from wear.
8. 360° x 180° swivel for Hydraulic Couplers offer better degree of movement.
9. Leak proof quick connect couplers for easy & safe operation.
10. End-cap design for sufficient back pressure for smooth piston forward force.
11. Rigid reaction suitable for heavy load application.
12. Simple design reaction arm release button for ease of operations.
13. Alloy Steel reaction boot (Available in multi-color option).
14. Cold worked cylinder bore for longer life and super finish for long working conditions.



TYPE	L1	L2	H1	H2	H3	H4	R	R1	R2	R3
07 IBT	110.8	139.3	42	65.8	76.2	108.1	75	20.5	68.3	25
1 IBT	144.5	173.5	50	72	96	131	91.5	26	85	29
3 IBT	178	229	68	95	127	176.5	123.5	34	114	40
5 IBT	210.5	270.5	80	123	149	199	140	39	137	46.5
8 IBT	222	293	90	134	167	217	165	47	153	47
10 IBT	245.5	317.5	100	142	182	232	178	51	154	58.5
20 IBT	307.5	383.5	120	183	220	270	213	59	186	71
25 IBT	323	401	137	200	247	297	228	66	199	66
35 IBT	372.5	496.5	153	216	282	332	243.5	77	241	79
50 IBT	400	516	160	223	291	341	258	81	259	97

Hydraulic Torque Wrench

Low Profile Series

BOLTORQ LOW Series Direct Hex Drive Hydraulic Torque Wrenches are designed for extreme low spaces where normal tools cannot reach. The light weight & compact hydraulic cylinder is made of special Aircraft Grade Aluminum Alloy and the internal spares are made of high Nickel Alloy Steel. There are 5 Models in LOW Series ranging from 230 - 45000 Nm. All models have small nose radius which allows the tool to fit in such areas where space constraint is observed.

✓ FEATURES

- Hard Chrome Plated Piston Rod
- Specialised Steel Alloy Body
- High Performance Seals
- Self Lubricating Low Nickel Bronze Bush
- Cold Working Cylinder Bore
- High Nickel Steel Alloy Components
- Narrow Profile Nose
- Slim Cylinder Design
- Fine Toothed Ratchet Pawl
- Torsion Free Reaction Pad



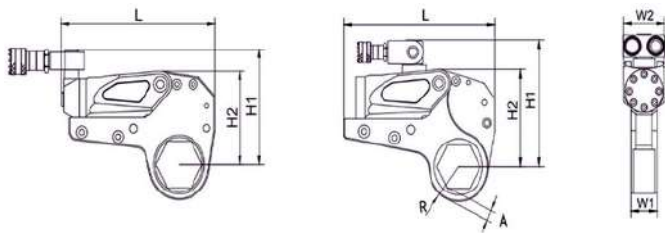
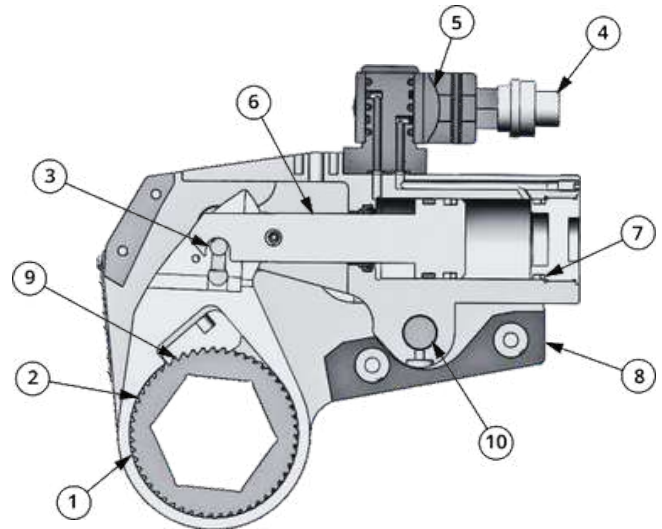
TYPE	Torque	Nut Sizes	Power Head Weight	Cassette Weight	Sizes					
-	N.m	Mm	Kg	Kg	L1	L2	H1	H2	W1	W2
2 LOW	232-2328	19-55	1	1.6	195.4	186	125.9	102.3	32	51
2 LOW	241-2414	60	1	1.7	195.4	186	128.5	105	32	51
4 LOW	585-2510 585-5021 585-5858 647-6474	34-36	2 2	4.4 4.6	261.6 261.6	245 245	177 187	135.7 145.7	42 42	66 66
		41								
		46-65								
		70-80								
8 LOW	1094-10941 1177-11774	41-95	3.3	8	304	300	207	169	53	83
14 LOW	1852-18521	50-117	5.5	11.6	361	361	239	204	64	99
30 LOW	4188-41882 4459-44593	110-155	11.4	29	441	430	303	272	85	131
		160-175	11.4	30	441	430	315	285	85	131

Hydraulic Torque Wrench

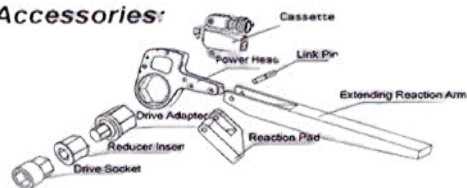
Low Profile Series

✓ SPECIFICATIONS

1. Self-lubricating low Nickel Bronze for drive bush to protect body from wear.
2. Fine Ratchet & Pawl for better engagement.
3. Auto engagement of rod in first stroke
4. Leak proof quick connecting coupler.
5. 360°x180° swivel for better degree of movement.
6. Hard chrome plating of piston rod for wear resistance.
7. High quality seals for high pressure.
8. Torsion free reaction pad.
9. Never-Lock drive pawl.
10. Lock Pin



Accessories:



✓ SPECIFICATIONS

- High nickel alloy steel internal components ensure long lasting moving parts.
- The rod engages in the first stroke thus removing any backlash.
- The Hydraulic Torque Wrenches use an Alloy steel high strength hydraulic cylinder designed to exert a torque as per application.
- The ratchet and pawl have a finer tooth for better engagement and torqueing.
- The quick connectors for the hydraulic lines are leak-resistant for safety even under pressure. This is an industry standard feature of the BOLTORQ hydraulic Torque Wrench.

Low profile of the Hex type torque Wrench allows the tool to fit the narrowest gaps

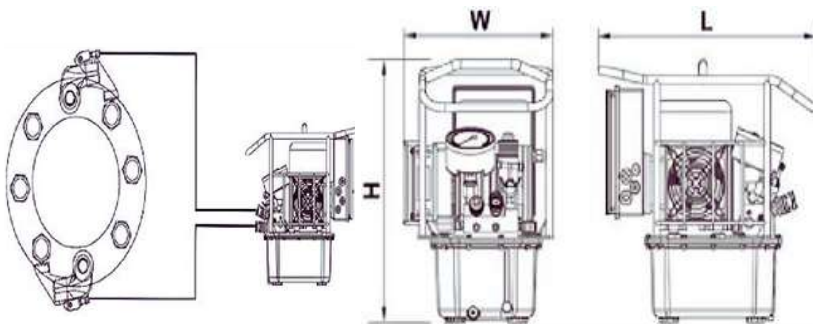




Hydraulic Torque Wrench Electric Pump

LP3 SERIES

- Compact automatic three stage flow, most efficiency.
- Applicable on both one or two Wrenches. simultaneously.
- Aluminum oil tank with oil gauge and thermometer.
- Have $\Phi 100$ high pressure gauge. Working pressure: 40-700 bar.
- With efficient radiator, the pump can work 24 hours continuously.
- The motor can be changed according to the different voltage.
- You can use manifold to operate 4 Wrenches simultaneously.

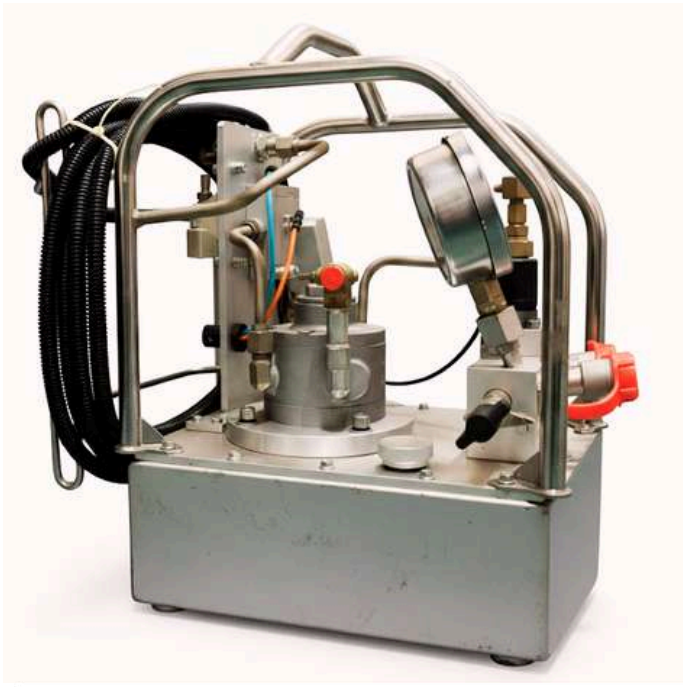


Model	LP3-2	LP3-4
Working Pressure	70 Mpa	70 Mpa
Drive	Electric	Electric
Voltage	220 V / 50 Hz	220 V / 50 Hz
Power	1.1 KW	1.1 KW
Tank Capacity	5.5 L	5.5 L
Flow Rate	7-1.6-0.8 L/min	7-1.6-0.8 L/min
Oil Cooler	Yes	Yes
Weight	25 Kg	27 Kg
OilOutputs	4x1/4" NPT	8x1/4" NPT
Dimension	445x304x426	461x304x426

Hydraulic Torque Wrench Pneumatic Pump

LP3-N SERIES

- Compact automatic three stage flow, most efficiency.
- The Single valve block can be replace by component FP4, there by allowing 2 or 4 Tools to be driven simultaneously.
- Three stage with air drive.
- Supporting continuous operation with steel frame.
- 4" diameter gauge, aluminium oil tank with oil level indicator
- Variable pressure adjustment between 70-700 bar
- Designed for continuous operation



Model	LP3-N2	LP3-N4
Operating Wrench	2	4
Working pressure	70 bar	70 bar
Air Pressure (Input)	4-8 Bar	4-8 Bar
Power	3.0 KW	3.0 KW
Tank Capacity	5.5 L	5.5 L
Flow Rate (low-mid-high)	8.6-2.2-1.1 L/min	8.6-2.2-1.1 L/min
Oil cooler	N/A	N/A
Weight	22Kg	24Kg
Oil outputs	4x1/4" NPT	8x1/4" NPT
Dimension	442x282x377mm	460x282x377mm

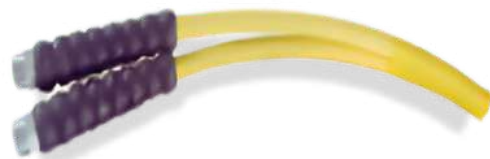
Hydraulic High Pressure Hoses

JH SERIES

Hydraulic high-pressure twin hoses are specialized hoses used in hydraulic systems to transmit fluid under high pressure. These hoses are typically constructed with durable materials like rubber or thermoplastic and are designed to withstand the high pressures encountered in hydraulic systems.



- Fluid under high pressure is pumped into one end of the twin hose assembly.
- The fluid travels through one of the hoses, while the other hose acts as a return line, carrying the fluid back to the hydraulic system.
- The hoses are connected to hydraulic components such as cylinders, motors, or valves.
- As the fluid flows through the hoses, it generates force or motion in the connected hydraulic components.
- The hoses must be properly sized and rated to handle the pressure and flow requirements of the hydraulic system.
- Regular inspection and maintenance are essential to ensure the integrity and safety of the hoses, as any damage or degradation can lead to leaks or system failure



Characteristics:

- Four layers nylon design. Two layers of high strength steel wire braids and plastic coating.
- Twins hoses supplied for hydraulic torque wrench.
- Used in strict occasion , 4:1 design factor.
- Light weight , small size and high bending radius.
- Exhibits low volumetric expansion under pressure.



Model & Photograph	Max Operating Pressure (Mpa)	Hose End		Type	Hose Length (M)
		End One	End Two		
2JH64 Series Twin hydraulic hose 	72	1/4" NPT	1/4" NPT	2JH6445-1	4.5
				2JH6460-1	6
				2JH6490-1	9
				2JH64100-1	10
JH74 Series Hydraulic hose 	72	1/4" NPT	1/4" NPT	JH7445	4.5
				JH7460	6
				JH7490	9
				JH4100	10
JH78 Series Hydraulic hose 	100	3/8" NPT	3/8" NPT	JH7818	1.8
				JH7845	4.5
				JH7890	9
				JH78120	12
BH84 Series Super high pressure Hydraulic hose 	180	1/4" BSP	1/4" BSP	BH8420	2
				BH8460	6
				BH8490	9
				BH84120	12
BH94 Series Super high pressure Hydraulic hose 	280	1/4" BSP	1/4" BSP	BH9430	3
				BH9460	6
				BH9490	9

Manual Torque Wrench Digital Type

BT-HD SERIES

BOLTORQ's BT-HD SERIES manual torque wrench (digital type), Powered by the reliable GERMANY METABO, brushless, 220-240V standard, available in 110V also. It is having single chip intelligent torque control system with LCD display, light and compact design, two working mode selection (low speed and high speed). It is having HEAVY DUTY gear box for longer operational life. Torque output is consistently repeatable, easy and safe handling, vibration-free and low noise technology.



- Controlled performance
- Accurate working capability
- Adjustable features
- LCD digital display
- Shun/reverse bidirectional measurement
- Peak hold and tracking mode selection
- Pre-made sound and light alarm
- Four units before conversion (N.m lb.ft lb, in kgf.m) 6.
- Battery level indication

Model	Torque Range (N.m)	Division Value (N.m)	Dimension (mm)	Square Drive	Weight (Kg)
BT-HD30	3-30	0.1	355*42.5*39	9.5*9.5	0.40
BT-HD100	10-100	0.1	405*42.5*39	12.7*12.7	1.05
BT-HD300	30-300	0.1	590*48*47.5	12.7*12.7	1.63
BT-HD500	50-500	0.1	800*48*55	19*19	2.05
BT-HD1000	100-1000	1	1200*56*60	19*19	4.50
BT-HD2000	200-2000	1	2000*68*68	25.4*25.4	7.00

Manual Torque Wrench General Type

BT-H SERIES

The Manual Torque Wrench General Type by BOLTORQ offers controlled performance across a wide torque range, from 5 Nm to 6000 Nm, with precise SQ drive units ranging from 9.5*9.5 mm to 38*38 mm. It provides accurate working capability with a work accuracy of $\pm 3\%$, allowing for precise torque application. The wrench also features adjustable features, operating smoothly in both forward and reverse directions without noise, ensuring precise torque application in various settings.



- Controlled performance : BOLTORQ's manual torque wrench available in wide torque range from 5 NM to 6000NM with precise SQ drive unit from 9.5*9.5 to 38*38 mm.
- Accurate working capability : manual torque wrench have continue operation with high smoothness to operate & have work accuracy of $\pm 3\%$.
- Adjustable features: Manual torque wrench are precisely operate in forward & reverse direction without noise.

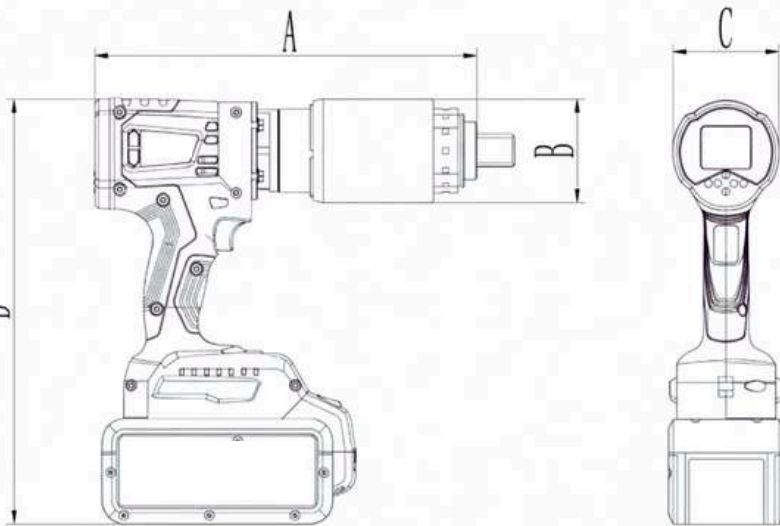
Model	Torque	Square Drive mm	Division Value N.m	Weight	Dimension mm
BT-H25	5-25N.m 3.7-18ft.lbs	9.5*9.5	0.25	0.55	297*33*30
BT-H40	8-40N.m 6-30ft.lbs	9.5*9.5	0.5	0.5	340*33*31
BT-H50	10-50N.m 7-37ft.lbs	19*19	1	1	412*40*40
BT-H100	20-100N.m 15-74ft.lbs	12.7*12.7	1	1	412*40*40
BT-H200	40-200N.m 30-148ft.lbs	12.7*12.7	7.5	2.1	635*48*48
BT-H300	60-300N.m 44-221ft.lbs	19*19	7.5	2.1	635*48*48
BT-H450	150-450N.m 111-332ft.lbs	19*19	10	2.25	635*48*52
BT-H500	100-500N.m 74-369ft.lbs	19*19	10	2.25	635*58*52
BT-H760	140-760N.m 103-561ft.lbs	19*19	10	4.19	835*55*58
BT-H1000	200-1000N.m 148-738ft.lbs	25.4*25.4	12.5	6.0	900*58*58
BT-H2000	750-2000N.m 554-1476ft.lbs	25.4*25.4	25	6.8	1010*69*68
BT-H3000	1000-3000N.m 738-2214ft.lbs	25.4*25.4	25	14.6	1400*84*76
BT-H6000	3000-6000N.m 2214-4428ft.lbs	38*38	100	41	2005*118*100

Lithium-ion Torque Wrench



Lithium-ion Torque Wrench BTB4000/3000

HIGH SPEED AND EFFICIENCY, LONG ENDURANCE



✓ Features

- Adopt the latest high voltage and high torque brushless DC motor
- Maximum torque up to 4000Nm
- Output torque accuracy $\pm 5\%$
- Repeatability $\pm 2\%$
- Built-in multiple working modes
- High strength planetary gear reducer, high torque and light weight.
- Reaction arm automatically retracts and releases
- Output torque report export function
- High-definition LCD display
- Optional Bluetooth and WIFI function, support for Bluetooth connection to the smart socket

Model	Drive Shaft (in)	Torque Range (Nm)	Max. RPM	Weight (kg)	Dimension (mm)			
					A	B	C	D
BTB500	3/4	100-500	13.8	4.7	241	70	71	288
BTB700	3/4	140-700	13.8	4.5	241	70	71	288
BTB1400	3/4	280-1400	6	5.5	269	70	71	288
BTB2000	1	400-2000	6	5.6	269	70	71	288
BTB3000	1	600-3000	3.2	7.3	397	81	85	331
BTB4000	1	800-4000	3.2	7.3	397	81	85	331

Heavy Duty Impact Wrench Electric Type

A BOLTORQ impact wrench is a power tool designed to quickly and efficiently tighten or loosen bolts and nuts. It operates by delivering sudden, powerful bursts of rotational force, known as impacts, to the fastener. This action allows the impact wrench to exert much greater torque compared to traditional wrenches, making it particularly useful in automotive repair, construction, and industrial applications. Impact wrenches are available in various sizes and types, including pneumatic (air-powered), electric, and cordless models.

Revolutionize your tightening tasks with our cutting-edge Impact Wrench, available in two dynamic series - BTP and BTRP. Engineered for superior performance and crafted with precision, these tools redefine efficiency and reliability in bolt fastening operations.



- It is used for pre – tightening
- Efficient and economic
- Single phase power supply required
- Easy mechanism to understand
- Controlled Performance
- Accurate working capability
- Adjustable features

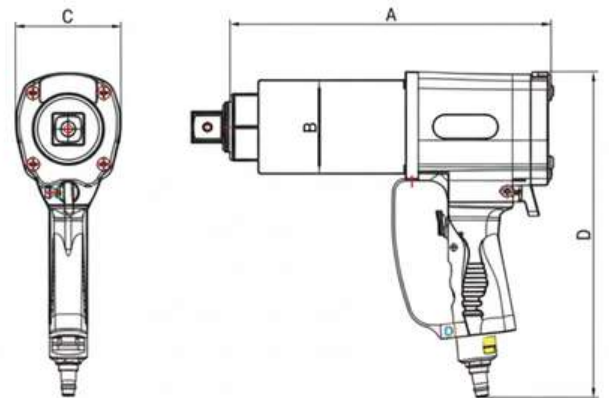
Model	Power Consumption	Currency A	Voltage V	Frequency HZ	Ro speed r/min	Torque	Square drive mm	Applicant	Weight
BT-P12	180W	1	220	50	1200	15-60N.m 11-44ft.lbs	12.7*12.7	M10, M12 3/8", 1/2"	2kg
BT-P16	280W	1	220	50	1300	50-150N.m 37-111ft.lbs	12.7*12.7	M14,M16 9/16", 5/8"	3.8kg
BT-P20	540W	2	220	50	1300	120-220N.m 89-162ft.lbs	19*19	M18,M20 11/18", 3/4"	4.3kg
BT-P24	680W	3	220	50	1600	220-400N.m 162-295ft.lbs	19*19	M22,M24 7/8", 1"	6.5kg
BT-P30	680W	3	220	50	1600	1000N.m 738ft.lbs	25.4*25.4	M27,M30 1.1/8", 1.1/4"	6.6kg
BT-P36	1350W	4	380	50	1300	1500N.m 1107ft.lbs	25.4*25.4	M33,M36 1.3/8", 1.1/2"	14kg
BT-P42	1500W	5	380	50	1200	2000N.m 1476ft.lbs	25.4*25.4	M40,M42 1.5/8", 1.11/16"	18kg

Pneumatic Torque Wrench Straight Type

BOLTORQ's BTP SERIES pneumatic torque wrench (digital type), Powered by the reliable INGERSOL RAND (IR) air motor. It is having single chip intelligent torque control system with LCD display, light and compact design. It is having **HEAVY DUTY gear box** for longer operational life. Torque output is consistently repeatable, easy and safe handling, vibration-free and low noise technology.

Torque output is consistently repeatable, easy and safe handling, vibration-free and low noise technology.

BTPV Series



- 6 Bar compressed air, air consumption under max. power : 600L/min
- Powerful and low noise, less than 80DbA under max power
- Set and control torque by adjusting the pressure on air register.
- Accuracy: $\pm 5\%$, repeatability: $\pm 1\%$.
- Optional digital air register, torque precision: $\pm 3\%$, repeatability: $\pm 1\%$.
- Compact planet design, small size, higher torque/weight ratio.
- 4-way type of power control system, large-span torque.
- 7-vane type high performance air motor, high efficiency, no impact torque can be continually output
- Design of reverse pressure-bias motor provide the max. power and torque in reversing mode, satisfying the request of higher torque when losing bolts
- Positive/reverse button by single hand, switch valve of TOUCH type
- Excellent performance of continuous running can meet high workload.

Art. No.	Forward Torque	Square	L	E	D	Non-load Speed (rpm)	Weight (Kg)
	(Nm)	C	(mm)	(mm)	(mm)		
BTP-14V	200-1400	1"	370	186	88	22	6.7
BTP-29V	410-2900	1"	390	186	88	9	7.3
BTP-40V	560-4000	1-1/2"	410	186	96	7	9.2
BTP-62V	870-6200	1-1/2"	445	186	114	5	11.4
BTP-120V	1880-12000	1-1/2"	484	186	129	2	17.4

Torque Calibrator Machine

Digital Calibrator

BT-TC Series

A Digital Torque Calibrator Machine is a device used to measure and calibrate torque wrenches and other torque tools. It typically consists of a digital display, a torque sensor, and a mechanism for applying torque to the tool being calibrated.

Here's how it works:

- The torque tool is attached to the calibrator machine.
- A predetermined torque value is set on the calibrator.
- The torque is applied to the tool being calibrated.
- The machine measures the torque applied and compares it to the set value.
- If there's any discrepancy, adjustments can be made to the torque tool to ensure accuracy.
- The process is repeated for various torque settings to ensure the tool's accuracy across its range.

In short, a Digital Torque Calibrator Machine ensures the accuracy of torque tools by comparing their applied torque to a set value and making adjustments as needed.

A digital torque calibrator machine is essentially a machine that checks and adjusts the accuracy of torque wrenches. It works by securely mounting the wrench and applying a known torque force. The machine's digital display shows the actual torque applied by the wrench, allowing technicians to see if it matches the desired setting and make adjustments if needed. This ensures torque wrenches are tightening fasteners to the precise specifications, critical for safety and proper assembly in many industries.



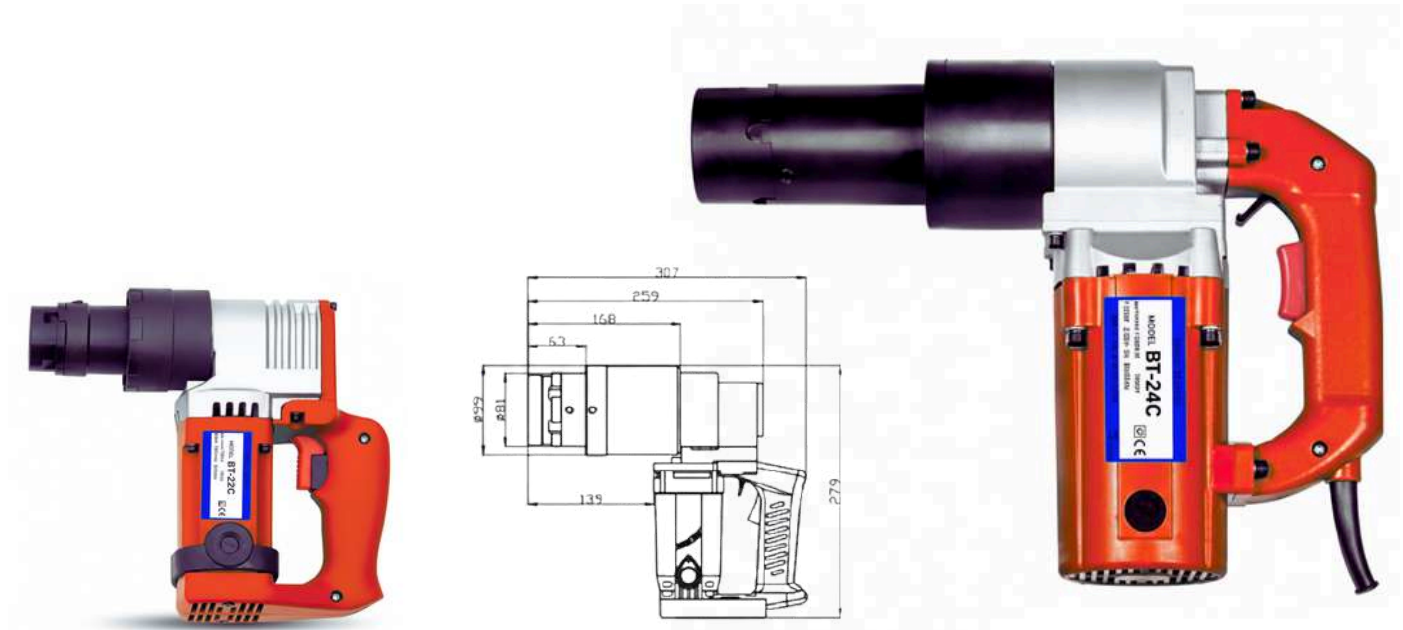
MODEL	TorqueWrench	Tension Range	CA	Weight (Main Body)	Adaptable BoltsDia
BTTC-53	50-3000N.m 37-2214lbs.ft	0-500KN	±2%	26KG	M16(5/8") M20(3/4") M22(7/8") M24(1") M27(1-1/8") M30(1-1/4")
BTTC-85	50-5000N.m 37-3690lbs.ft	0-800KN	±2%	28KG	M16(5/8") M20(3/4") M22(7/8") M24(1") M27(1-1/8") M30(1-1/4") M33(1-3/8") M36(1-1/2")

Electric Shear Wrench BT-C Series



BOLTORQ BT-C Series Light Weight and Compact Shear Wrenches provide consistent, reliable Torque Tightening and Shearing to the Tension Control Bolts.

BOLTORQ Electric Shear Wrenches are capable of achieving Controllable Torque Range of 5000 Nm with supported Bolt Sizes



Model	Power Consump	Current A	Voltage V	Freq. HZ	Ro Speed r/min	Max Torque	Applicate	Weight
BT-22C	1000W	5	220	50-60	17	733 N.m / 540 ft.lbs	M16 M20 M22 5/8"	4.9 kg
BT-24C	1250W	6	220	50-60	15	1180 N.m / 871	M16 M20 M22 M24	8.8 kg
BT-30C	1250W	6	220	50-60	5.5	2100 N.m / 1548	M27 M30 1-1/8" 1-	11 kg

Characteristics:

Light Weight, suitable for super high strength bolt tightening. High efficient, fast rotate speed, high torsion.



BT Shear Wrench is specifically designed to be used with Tension Control (TC) Bolts. It has an outer impact socket that turns the nut counter clockwise, while grabbing the spline of the bolt with the inner impact socket turning it clockwise. When the proper tension level has been achieved the spline snaps off giving you a visual indication of proper installation

Hydraulic Jacks / Cylinder

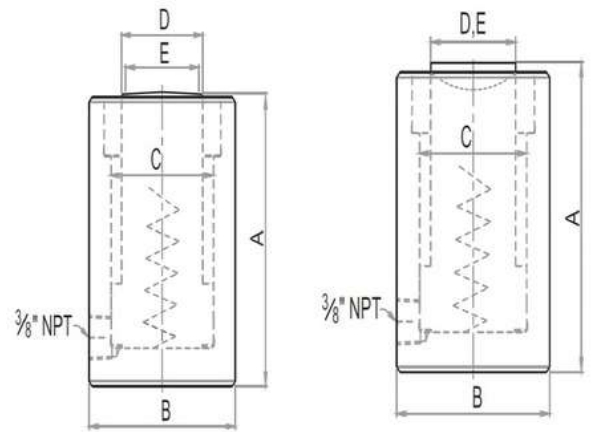
Low Height Jacks

BTSL/BTSLS Series

BOLTORQ's Hydraulic Jack/Cylinder **used to lift heavy loads or apply force using hydraulic pressure.** It typically consists of a cylinder containing hydraulic fluid and a piston that moves within the cylinder. When pressure is applied to the fluid, it exerts force on the piston, causing it to move and lift the load or apply force to another object.



- Ideal for applications with low clearance.
- Heavy equipment lifting & alignment, Heavy equipment lifting & alignment.
- Spherical saddle reduces damage to jack against offcenter load.
- Ensure no gap between jack & load to be utilize full stroke.
- Caution Jack being compact, provide leveled & solid support for entire base area & top.



Model	Rated Capacity @ 700 bar (ton)	Capacity (kN)	Stroke (mm)	Effective Area (cm ²)	Oil Cap. (cc)	A Closed Height (mm)	B Cylinder OD (mm)	C Bore dia. (mm)	D Ram dia. (mm)	E Saddle dia. (mm)	Wt. Approx. (kg)	Model	E Saddle dia. (mm)	Wt. Approx. (kg)
BTSL 13-30	10	111	30	15.9	48	90	70	45	35	-	2.3	BTSLS 13-30	-	2.3
BTSL 20-50	20	218	50	31.2	160	115	90	63	50	-	4.9	BTSLS 20-50	-	4.9
BTSL 30-50	30	309	50	44.2	221	120	100	75	60	-	6	BTSLS 30-50	-	6
BTSL 50-60	50	550	60	78.5	471	125	130	100	80	60	11	BTSLS 50-60	60	11
BTSL 75-60	75	792	60	113.1	679	145	155	120	95	70	18.4	BTSLS 75-60	70	18.4
BTSL 100-60	100	1077	60	153.9	925	150	180	140	110	80	23.6	BTSLS 100-60	80	23.6
BTSL 150-60	150	1589	60	227.0	1362	165	220	170	140	100	43	BTSLS 150-60	100	43
BTSL 200-60	200	2199	60	314.2	1885	200	255	200	160	110	66	BTSLS 200-60	110	66

Hydraulic Jacks / Cylinder

Low Height Jacks



BOLTORQ
INFRACON PVT LTD

BTSL/BTSLS Series

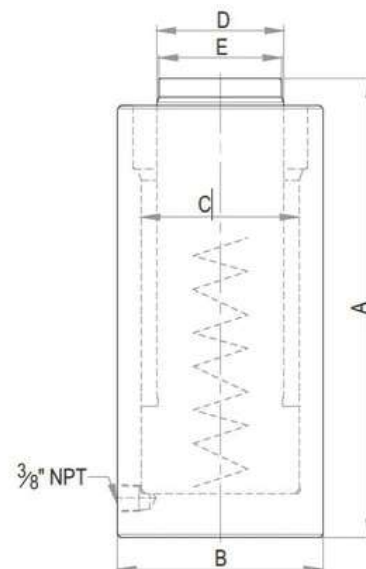
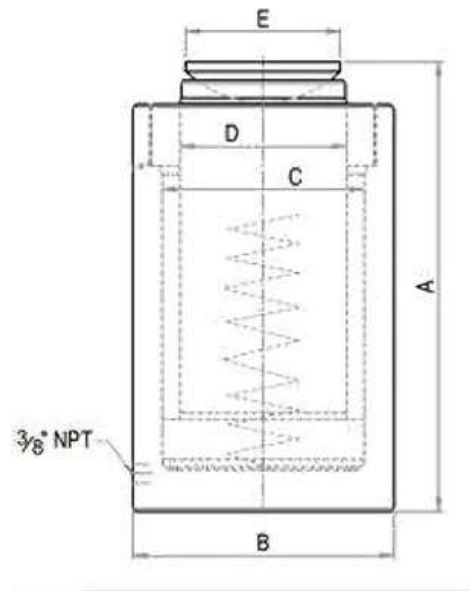
Model	Rated capacity (ton)	Capacity @700 bar (kN)	Stroke (mm)	Effective area (cm ²)	Oil cap. (cc)	A Closed Height (mm)	B Cylinder OD (mm)	C Bore dia. (mm)	D Ram dia. (mm)	E Saddle dia. (mm)	Wt. Approx. (kg)	Model	A Closed Height (mm)	Wt. (Approx.) (kg)
BTSP 5-50	5	56	50	8.0	40	135	45	32	25	25	1.5	-	-	-
BTSP 5-100	5	56	100	8.0	80	185	45	32	25	25	1.9	-	-	-
BTSP 5-150	5	56	150	8.0	121	235	45	32	25	25	2.4	-	-	-
BTSP 10-50	10	111	50	15.9	80	135	60	45	35	35	2.5	BTSPS 10-50	135	2.5
BTSP 10-100	10	111	100	15.9	159	185	60	45	35	35	3.2	BTSPS 10-100	185	3.2
BTSP 10-150	10	111	150	15.9	239	235	60	45	35	35	4	BTSPS 10-150	235	4
BTSP 10-200	10	111	200	15.9	318	285	60	45	35	35	4.8	BTSPS 10-200	285	4.8
BTSP 15-50	15	167	50	23.8	119	140	70	55	45	43	4.1	BTSPS 15-50	140	4.1
BTSP 15-100	15	167	100	23.8	238	190	70	55	45	43	5.2	BTSPS 15-100	190	5.2
BTSP 15-150	15	167	150	23.8	356	240	70	55	45	43	6.3	BTSPS 15-150	240	6.3
BTSP 15-200	15	167	200	23.8	475	290	70	55	45	43	7.4	BTSPS 15-200	290	7.4
BTSP 20-50	20	218	50	31.2	156	145	80	63	50	48	5.3	BTSPS 20-50	145	5.3
BTSP 20-100	20	218	100	31.2	312	195	80	63	50	48	6.7	BTSPS 20-100	195	6.7
BTSP 20-150	20	218	150	31.2	468	245	80	63	50	48	8.1	BTSPS 20-150	245	8.1
BTSP 20-200	20	218	200	31.2	623	295	80	63	50	48	9.5	BTSPS 20-200	295	9.5
BTSP 25-50	25	270	50	38.5	192	155	90	70	55	53	7.2	BTSPS 25-50	155	7.2
BTSP 25-100	25	270	100	38.5	385	205	90	70	55	53	9	BTSPS 25-100	205	9
BTSP 25-150	25	270	150	38.5	577	255	90	70	55	53	10.8	BTSPS 25-150	255	10.8
BTSP 25-200	25	270	200	38.5	770	305	90	70	55	53	12.6	BTSPS 25-200	305	12.6
BTSP 30-50	30	309	50	44.2	221	160	100	75	60	58	9	BTSPS 30-50	160	9
BTSP 30-100	30	309	100	44.2	442	210	100	75	60	58	11.3	BTSPS 30-100	210	11.3
BTSP 30-150	30	309	150	44.2	663	260	100	75	60	58	13.6	BTSPS 30-150	260	13.6
BTSP 30-200	30	309	200	44.2	884	310	100	75	60	58	15.8	BTSPS 30-200	310	15.8
BTSP 50-50	50	550	50	78.5	393	175	130	100	80	78	16.5	BTSPS 50-50	175	16.5
BTSP 50-100	50	550	100	78.5	785	225	130	100	80	78	20.5	BTSPS 50-100	225	20.5
BTSP 50-150	50	550	150	78.5	1178	275	130	100	80	78	24.5	BTSPS 50-150	275	24.5
BTSP 50-200	50	550	200	78.5	1571	325	130	100	80	78	28.5	BTSPS 50-200	325	28.5
BTSP 75-50	75	792	50	113.1	565	180	155	120	95	93	24	BTSPS 75-50	180	24
BTSP 75-100	75	792	100	113.1	1131	230	155	120	95	93	29.5	BTSPS 75-100	230	29.5
BTSP 75-150	75	792	150	113.1	1696	280	155	120	95	93	35	BTSPS 75-150	280	35
BTSP 75-200	75	792	200	113.1	2262	330	155	120	95	93	41	BTSPS 75-200	330	41
BTSP 100-50	100	1077	50	153.9	770	185	155	140	110	108	33	BTSPS 100-50	185	33
BTSP 100-100	100	1077	100	153.9	1539	235	180	140	110	108	40.5	BTSPS 100-100	235	40.5
BTSP 100-150	100	1077	150	153.9	2309	285	180	140	110	108	48	BTSPS 100-150	285	48
BTSP 100-200	100	1077	200	153.9	3079	335	180	140	110	108	55.5	BTSPS 100-200	335	55.5
BTSP 150-50	150	1589	50	227.0	1135	200	220	170	140	138	54	BTSPS 150-50	200	54
BTSP 150-100	150	1589	100	227.0	2270	250	220	170	140	138	65.5	BTSPS 150-100	250	65.5
BTSP 150-150	150	1589	150	227.0	3405	300	220	170	140	138	77	BTSPS 150-150	300	77
BTSP 200-50	200	2199	50	314.2	1571	215	255	200	160	158	76	BTSPS 200-50	215	76
BTSP 200-100	200	2199	100	314.2	3142	265	255	200	160	158	91	BTSPS 200-100	265	91
BTSP 200-150	200	2199	150	314.2	4712	315	255	200	160	158	106.5	BTSPS 200-150	315	106.5
BTSP 250-50	250	2661	50	380.1	3801	270	280	220	180	177	114	BTSPS 250-50	270	114
BTSP 250-100	250	2661	100	380.1	5702	320	280	220	180	177	133	BTSPS 250-100	320	133
BTSP 250-150	250	2661	150	380.1	7603	370	280	220	180	177	152	BTSPS 250-150	370	152
BTSP 300-50	300	3167	50	452.4	4524	285	310	240	200	196	149	BTSPS 300-50	285	149
BTSP 300-100	300	3167	100	452.4	6786	335	310	240	200	196	173	BTSPS 300-100	335	173
BTSP 300-150	300	3167	150	452.4	9048	385	310	240	200	196	197	BTSPS 300-150	385	197
BTSP 400-50	400	4008	50	572.6	5726	315	350	270	220	216	209	BTSPS 400-50	315	209
BTSP 400-100	400	4008	100	572.6	8588	365	350	270	220	216	239	BTSPS 400-100	365	239
BTSP 400-150	400	4008	150	572.6	11451	415	350	270	220	216	269	BTSPS 400-150	415	269
BTSP 500-50	500	4948	50	706.9	7069	-	400	300	250	230	-	BTSPS 500-50	365	295
BTSP 500-100	500	4948	100	706.9	10603	-	400	300	250	230	-	BTSPS 500-100	415	335.5
BTSP 500-150	500	4948	150	706.9	14137	-	400	300	250	230	-	BTSPS 500-150	465	376

Hydraulic Jacks / Cylinder

General Purpose Jacks

BTSP/BTSPS Series

Hydraulic Jack Cylinders - General Purpose Jacks are versatile devices used for lifting heavy loads or applying force in industrial and automotive applications. They consist of a hydraulic cylinder and piston operated by hydraulic pressure. These jacks come in various sizes and capacities, making them essential tools for lifting and force application in construction, automotive repair, manufacturing, and other industries.



- Multipurpose jacks.
- Gland Nut designed to withstand dead end load.
- Base mounting holes & collar threads are optional.
- Used in horizontal & vertical directions.
- Maintenance, fabrication, construction, Heavy industries, power & process plants, shipyards.
- Special Feature : Spring assisted ram retraction up to 500t

Hydraulic Jacks / Cylinder

Multi-Purpose Jacks

BTDP/BTDPS Series

Hydraulic Jack Cylinders - Multi-Purpose Jacks are versatile tools used for lifting heavy loads or applying force in diverse industrial and automotive applications. They feature hydraulic cylinders and pistons powered by hydraulic pressure to lift or exert force on objects. These jacks come in various sizes and capacities, serving multiple purposes across construction, automotive repair, manufacturing, and other industries. Their flexibility and reliability make them essential for a wide range of lifting and force-application tasks.

- Suits general lifting & push-pull applications.
- Safety Pressure Relief valve in return port prevents damage, in case of accidental over-pressurization due to blockage in return line.
- Spherical saddle reduces damage to jack against off-center load.
- Base mounting holes & collar threads are optional.
- Pile load testing, box pushing, ship lifting & hydraulic presses.



Model	Rated Capacity (ton)	Capacity @ bar (kN)	Stroke (mm)	Effective area (cm ²)	Oil Cap. (cc)	A	B	C	D	E	Wt. (Approx.) (kg)	Model	A	E	Wt. (Approx.) (kg)
						Closed Height (mm)	Cylinder Bore OD (mm)	dia. Ram (mm)	dia. (mm)	Saddle dia. (mm)			Closed Height (mm)	Saddle dia. (mm)	
BTDP 10-150	10	111	150	15.9	239	275	75	45	30	28	8	BTDP 10-150	285	35	8.3
BTDP 15-150	15	167	150	23.8	356	280	85	55	40	38	11	BTDP 15-150	290	35	11.3
BTDP 20-150	20	218	150	31.2	468	285	95	63	50	48	14	BTDP 20-150	300	48	14.6
BTDP 25-150	25	270	150	38.5	577	295	95	70	55	53	14.3	BTDP 25-150	310	48	14.8
BTDP 30-150	30	309	150	44.2	663	305	100	75	55	53	15.6	BTDP 30-150	320	55	16.5
BTDP 50-150	50	550	150	78.5	1178	305	130	100	70	67	26.3	BTDP 50-150	320	74	27
BTDP 75-150	75	792	150	113.1	1696	305	155	120	90	87	38.5	BTDP 75-150	330	88	40
BTDP 100-150	100	1077	150	153.9	2309	310	180	140	110	106	53.5	BTDP 100-150	330	100	54.5
BTDP 200-150	150	1589	150	227	3405	320	220	170	140	137	84	BTDP 200-150	345	130	87
BTDP 250-150	200	2199	150	314.2	4712	345	255	200	150	146	116	BTDP 250-150	370	150	119.5
BTDP 300-150	250	2661	150	380.1	5702	350	280	220	180	177	148	BTDP 300-150	385	165	153
BTDP 400-150	300	3167	150	452.4	6786	365	310	240	180	177	181	BTDP 400-150	400	180	189
-	400	4008	150	572.6	8588							BTDP 500-150	425	212	265
-	500	4948	150	706.9	10603	-	400	300	240	-	-	BTDP 600-150	450	230	367
-	600	5987	150	855.3	12829	-	430	330	270	-	-	BTDP 800-150	480	260	453
-	800	7939	150	1134.1	17012	-	505	380	300	-	-	BTDP 1000-150	515	290	655
-	1000	9930	150	1418.6	21279	-	560	425	350	-	-	BTDP 1500-150	560	330	896
-	1500	15154	150	2164.8	32472	-	705	525	420	-	-	BTDP 2000-150	620	400	1543
-	2000	20458	150	2922.5	43837	-	810	610	525	-	-		705	495	2366

Hydraulic Hand Pump

Single Steel

BHP Series

- Construction: Graded steel
- Ground & plated plungers
- Built-in factory set safety relief valve
- Durable polyurethane plunger seal
- Single Stage Pumps for smaller capacity jacks
- Collapsible handle for faster stroke at low pressure
- Two Stage Pumps – fast approach to load
- Also available in 350 bar



Pump stage	Model	Pressure (bar)		Flow/stroke (cc)		Filling capacity	Usable oil	Handle Effort (kg)	Dry weight (kg)
		1 Stage	2 Stage	1 Stage	2 Stage	(ltrs.)	(ltrs.)		
Single	BHP-1P4-2-1.4	-	700	-	2.8	1.4	1	40	7.4
	BHP-1P4-2-2	-	700	-	2.8	2	1.5	40	9.5
Two	BHP-3P4-2-1.4	30	700	17	2.8	1.4	1	40	10.5
	BHP-3P4-2-2	30	700	17	2.8	2	1.5	40	11.5
	BHP-3P4-2-3	30	700	17	2.8	3	1.9	40	12.5

Hydraulic Hand Pump

Aluminium Two

BHPA Series

- Construction: Aluminium steel
- Ground & plated plungers
- Built-in factory set safety relief valve
- Durable polyurethane plunger seal
- Optional: Single Stage Pumps for smaller capacity jacks
- Two Stage Pumps – fast approach to load
- Compatible to all reputed brand jacks
- Available in 350 and 1000 bar



BHPA Series Selection Chart :-(700 Bar)

Pump stage	Model	Pressure (bar)		Flow/stroke (cc)		Filling capacity	Usable oil	Handle Effort (kg)	Dry weight kg
		1 Stage	2 Stage	1 Stage	2 Stage	1 (ltrs.)	1 (ltrs.)		
Single two	BHPA-3P4-2-1.4	30	700	15	2.8	1.4	1.2	40	4
	BHPA-3P4-	30	700	15	2.8	2	1.5	40	4.7
	BHP2A--23P4-2-3	30	700	15	2.8	3	2.5	40	5.7
	BHPA-3P4-2-4	30	700	15	2.8	4	3.5	40	6.2

BHPA Series Selection Chart :-(1600 Bar)

Pump stage	Model	Pressure (bar)		Flow/stroke (cc)		Filling capacity	Usable oil	Handle Effort (kg)	Dry weight kg
		1 Stage	2 Stage	1 Stage	2 Stage	1 (ltrs.)	1 (ltrs.)		
Two	BHPA-3P2-6-2-1.4	30	1600	15	1.2	1.4	1.2	40	4
	BHPA-3P2-6-2	30	1600	15	1.2	2	1.5	40	4.7

BHPA Series Selection Chart :-(2800 Bar)

Pump stage	Model	Pressure (bar)		Flow/stroke (cc)		Filling capacity	Usable oil	Handle Effort (kg)	Dry weight kg
		1 Stage	2 Stage	1 Stage	2 Stage	1 (ltrs.)	1 (ltrs.)		
Two	BHPA-3P7-7-1.4	30	2800	15	0.7	1.4	1.2	40	4
	BHPA-3P7-7-2 7-2	30	2800	15	0.7	2	1.5	40	4.7

Bolt Tensioner

Suitable for pre-loading & de-tensioning of bolts & studs on flanges of Pressure Vessels, Boiler Feed Pumps, Compressor Covers, Heat Exchanger & Pipelines requiring uniform joint loading Tensioners compatible to standard flanges Suitable Lightweight Aluminum hand pumps available Air operated pumping units & accessories sourced from reputed brands Used in Oil & Gas Plants, Petrochemical, Steel, Cement, Power & Process Plant, Ship building & Heavy Engineering Industries Note: Studs to be lubricated before tensioning.



Model(metric)	Bolt/Stud Size		Model (imperial)	RatedCapacity (ton)	Capacity @ 1500 bar (Kn)	Stroke (mm)	Effective Area (cm2)	Dimensions(mm)								Load Cell Wt. (Approx.) (Kg)
	(metric)	(inch)						A	B	C	D	E	F	G		
BT-15-24-16	M16	-	-	24	243	10	16.2	62	90	168	75	47	16	29	1.5	
BT-15-24-18	M18	3/4"	BT-15-24-075	24	243	10	16.2	62	90	168	75	49	18	29	1.5	
BT-15-24-20	M20	-	-	24	243	10	16.2	62	90	168	75	51	20	29	1.5	
BT-15-24-22	M22	7/8"	BT-15-24-087	24	243	10	16.2	62	90	168	75	56	22	31	1.5	
BT-15-24-24	M24	1"	BT-15-24-100	24	243	10	16.2	62	90	168	75	59	24	31	1.5	
BT-15-24-27	M27	1-1/8"	BT-15-24-112	24	243	10	16.2	62	90	168	75	61	27	31	1.5	
BT-15-50-30	M30	-	-	50	486	15	32.4	60	106	187	102	72	30	36	2.5	
BT-15-50-33	M33	1-1/4"	BT-15-50-125	50	486	15	32.4	60	106	187	102	74	33	36	2.5	
BT-15-50-36	M36	1-3/8"	BT-15-50-137	50	486	15	32.4	60	106	187	102	77	36	36	2.5	
BT-15-50-39	M39	1-1/2"	BT-15-50-150	50	486	15	32.4	60	106	187	102	80	39	36	2.5	
BT-15-90-42	M42	1-5/8"	BT-15-90-162	90	896	15	59.7	60	120	208	133	95	42	48	2.5	
BT-15-90-45	M45	1-3/4"	BT-15-90-175	90	896	15	59.7	60	120	208	133	98	45	48	4.2	
BT-15-90-48	M48	1-7/8"	BT-15-90-187	90	896	15	59.7	60	120	208	133	100	48	48	4.2	
BT-15-90-52	M52	2" 1-7/8" 2" 2-	BT-15-90-200	90	896	15	59.7	60	120	208	133	104	52	48	4.2	
BT-15-125-48	M48	1/4" - 2-1/2" 2-	BT-15-125-187	125	1245	15	83	62	135	231	163	105	48	51	4.2	
BT-15-125-52	M52	1/2" - 2-3/4"	BT-15-125-200	125	1245	15	83	62	135	231	163	108	52	51	6.4	
BT-15-125-56	M56	3"	BT-15-125-225	125	1245	15	83	62	135	231	163	120	56	61	6.4	
BT-15-125-60	M60	3" - 3-1/4" 3-	-	125	1245	15	83	62	135	231	163	124	60	61	6.4	
BT-15-125-64	M64	1/2" 3-3/4" 4"	BT-15-125-250	125	1245	15	83	62	135	231	163	124	64	61	6.4	
BT-15-185-64	M64	3-3/4"	BT-15-185-250	185	1845	15	123	62	146	254	193	134	64	67	9	
BT-15-185-68	M64	-	-	185	1845	15	123	62	146	254	193	136	68	67	9	
BT-15-185-72	M68	4"	BT-15-185-275	185	1845	15	123	62	146	254	193	139	72	67	9	
BT-15-185-76	M72	4-1/4"	BT-15-185-300	185	1845	15	123	62	146	254	193	142	76	67	9	
BT-15-265-76	M76	-	-	265	2640	15	176	73	180	286	233	158	76	78	15.3	
BT-15-265-80	M80	4-1/2"	BT-15-265-325	265	2640	15	176	73	180	286	233	160	80	78	15.3	
BT-15-265-85	M85	-	BT-15-265-350	265	2640	15	176	73	180	286	233	162	90	78	15.3	
BT-15-265-90	M90	4-3/4"	BT-15-265-375	265	2640	15	176	73	180	286	233	170	95	95	15.3	
BT-15-265-95	M95	-	BT-15-265-400	265	2640	15	176	73	180	286	233	184	100	95	15.3	
BT-15-265-100	M100	- 5" - 5-1/4" 5-	BT-15-385-375	265	2640	15	176	90	197	286	233	190	95	120	15.3	
-	-	1/2" -	-	385	3753	15	250.2	90	197	335	285	220	100	120	31.7	
BT-15-385-100	M100	5-3/4"	-	385	3753	15	250.2	90	197	335	285	222	100	120	31.7	
-	-	-	BT-15-385-400	385	3753	15	250.2	90	197	335	285	222	110	120	31.7	
-	M110	-	BT-15-385-425	385	3753	15	250.2	90	197	335	285	228	110	120	31.7	
BT-15-385-110	-	-	-	385	3753	15	250.2	90	197	335	285	228	115	120	31.7	
-	M120	-	BT-15-385-450	385	3753	15	250.2	90	197	335	285	230	120	120	31.7	
BT-15-385-120	-	-	-	385	3753	15	250.2	90	197	335	285	236	120	120	31.7	
-	M125	-	BT-15-385-475	385	3753	15	250.2	90	197	335	285	236	125	120	31.7	
BT-15-385-125	M125	-	-	385	3753	15	250.2	93	220	335	285	242	125	141	31.7	
BT-15-485-125	-	-	-	485	4754	15	316.9	93	220	390	325	262	130	141	43.5	
-	M130	-	BT-15-485-500	485	4754	15	316.9	93	220	390	325	262	130	141	43.5	
BT-15-485-130	-	-	-	485	4754	15	316.9	93	220	390	325	265	130	141	43.5	
-	M140	-	BT-15-485-525	485	4754	15	316.9	93	220	390	325	268	140	141	43.5	
-	-	-	BT-15-485-500	485	4754	15	316.9	93	220	390	325	270	140	141	43.5	
BT-15-485-140	M150	-	-	485	4754	15	316.9	93	220	390	325	275	145	141	43.5	
-	-	-	BT-15-485-575	485	4754	15	316.9	93	220	390	325	278	150	141	43.5	
BT-15-485-150	-	-	-	485	4754	15	316.9			390	325	280			43.5	

Bolt Tensioner Pump

Electric Tensioner Pump



HSNP Series

Single-Acting and high performance Can be used for bolt tensioning and other HP equipment's in shipping vessel & wind power industry Convenient adjustable pressure regulator with a high precision pressure gauge Easy to adjust the pressure in the range of 10150-36250 Psi Simple and quick operation with the high performance quick connect couplings Very User friendly for site work due to its light weight compact design.



Model	HNSP06BZT 15-16	HNSP06BZT 15-20	HNSP06BZT 15-30
Voltage/Frequency	220V/50HZ	220V/50HZ	220V/50HZ
Tank Capacity	5.5L	5.5L	5.5L
Flow(low-mid-High)	2.24-0.037 L/min	2.24-0.037 L/min	2.24-0.032 L/min
Output Pressure Max	1600 Bar	2000 Bar	3000 Bar
Output Port Size	1/4" BSP	1/4" BSP	1/4" BSP
Power	1.1 KW	1.1 KW	1.1 KW
Weight	24KG	24KG	24KG



Air Tensioner Pump SHNP Series

Single-Acting and high performance To be operated for Bolt Tensioners and other equipment's in shipping vessel and wind power industry. To be convenient to adjust the pressure with the High precision Pressure Gauge Easy to adjust the pressure in the range of 83—3320bar Simple and quick operation with High performance Quick Coupler Convenient to bring with its light weight

Model	Max output pressure bar	Oil output port	Compression Rate	Standard Tank Capacity	Pressure output (Bar) 1Mpa=10Bar=10Kg/cm²																		
					0	20	40	70	100	150	200	300	400	450	500	550	600	700	900	1200	1700	2350	2850
					Flow (L/min)																		
SHNP16	83	G 1/2"	16:1	10L	24.8	18.5	14.7	11.2	9.05	0													
SHNP20	166	G 1/2"	20:1		16.2	13.9	12.8	10.9	8.63	0													
SHNP28	232.4	G 1/2"	28:1		12.8	11.9	9.4	8.9	7.1	6.4	0												
SHNP40	332	G 1/2"	40:1		10.7	9.37	8.03	6.53	5.22	4.98	4.12	0											
SHNP64	498	G 3/8"	64:1		5.51	5.17	4.74	3.53	3.34	2.82	2.51	2.15	1.91										
SHNP80	664	G 3/8"	80:1		4.44	3.95	3.26	3.23	2.82	2.62	2.32	2.13	1.8	1.71	1.62	1.56	0						
SHNP100	830	G 3/8"	100:1		3.93	3.7	3.01	2.73	2.65	2.51	2.3	2.01	1.75	1.62	1.51	1.37	1.25	0					
SHNP130	1079	G 3/8"	130:1		2.48	2.44	2.41	2.36	2.31	2.18	2.04	1.9	1.7	1.6	1.5	1.3	1.2	1.12	0				
SHNP170	1411	G 3/8"	170:1		1.82	1.8	1.78	1.78	1.73	1.71	1.68	1.61	1.5	1.48	1.35	1.2	0.97	0.85	0.79	0			
SHNP240	1992	G 3/8"	240:1		1.57	1.55	1.54	1.51	1.48	1.45	1.43	1.42	1.38	1.37	1.14	0.92	0.81	0.73	0.57	0.34	0		
SHNP300	2490	G 3/8"	300:1		1.23	1.12	1.05	0.98	0.81	0.76	0.64	0.61	0.58	0.55	0.52	0.48	0.45	0.41	0.37	0.22	0.18	0	
SHNP400	3320	G 3/8"	400:1		0.98	0.85	0.63	0.63	0.52	0.41	0.3	0.29	0.28	0.28	0.25	0.25	0.25	0.24	0.21	0.18	0.1	0.05	0

Bolt Tensioner Pump

Pneumatic Pump

BTPHP Series

- Max. Pressure: 700-4000 Bar
- Compressed air driven, no arc or spark, applied to the explosion sites
- 1.6-8.5Bar working air pressure, to meet the needs of most users
- Low noise, great reduction of noise pollution
- Used for hydraulic nuts, hydraulic bolt tensioners, high pressure cylinder
- Small size, light weight, easy to move



Model	Max. Pressure (Bar)	Compress Ratio	Max. Flow (L/min.)	Tank Capacity (L)	Gauge Range (Bar)	Hydraulic Output	Size (mm)	Weight (Kg)
BT18BY021	1500	1:200	0.90	5	2000	G 1/4	450*373*415	23
BT18BTG021	2000	1:300	0.49	5	2500	G 1/4	450*373*415	27
BT18BSG022	3000	1:400	0.4	5	3500	G 1/4	450*373*415	27
BT18BTG032	4000	1:500	0.25	5	4000	G 1/4	450*373*415	27

Backup Wrenches

The BW-series magnetic backup wrenches simplest way to stop a nut rotation. Easy to use and versatile

When torquing or loosening nuts, the thin profile of the BW Backup wrench prevents the nut on the opposite side of the stud from turning.

No hydraulics, just mechanical & HANDS FREE OPERATION, Eliminates also hand & finger injuries.

Eliminates sparks caused by the use of slugging / striking wrenches. Reduces time of operation & so improves productivity

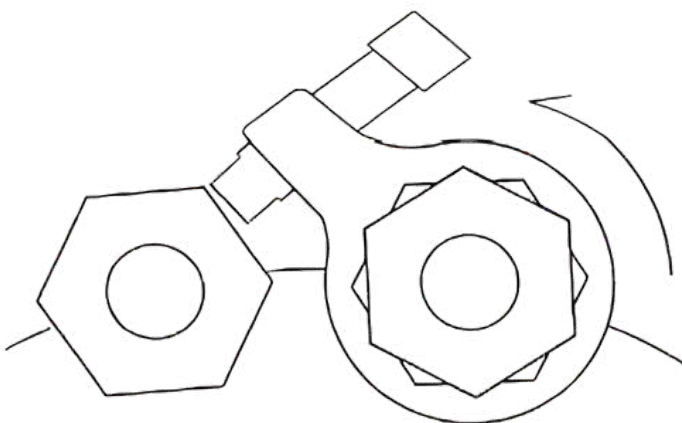


MAGNETS EMBEDDED
Creates a magnetic field and force that attracts on other ferromagnetic materials.

BI-HEXAGONAL DESIGN
Provides the ultimate mixture of versatility and durability.



HIGH STRENGTH
Heat treated material heavy duty



BACKUP Wrenches are safer than the conventional backup spanners for a number of reasons. Firstly and foremost they are completely hands Free, are lighter and easier to carry than conventional backup spanners and they are available with tie offs and tethers for fall protection. The BW-SERIES Magnetic Backup Wrench is available in standard sizes from 1-1/4" to 5-3/4", and is also available in metric sizes from M30 to M145.

Wide Range of Metric and Imperial Size

Nut Across Flat Range

30 mm -145 mm 1 1/4" -5 3/4"

Model	AcrossFlat (mm)	AcrossFlat (in)	Load limits (ft.ibs)	Load limits (Nm)
BW104	30	1-1/4"	2400	3254
BW107	36	1-7/16"	2500	3390
BW110	41	1-5/8"	3500	4745
BW113	46	1-13/16"	3500	4745
BW200	50	2"	4100	559
BW203	55	2-3/16"	4200	5694
BW204	57	2-1/4"	4300	5830
BW206	60	2-3/8"	4300	5830
BW209	65	2-9/16"	4550	6169
BW212	70	2-3/4"	5600	7592
BW218	75	2-15/16"	6300	8542
BW302	80	3-1/8"	7000	9491
BW308	85	3-1/2"	7200	9762
BW311	90	3-11/16"	7300	9897
BW314	95	3-7/8"	9000	12202
BW400	100	4"	24000	32539
BW402	105	4-1/8"	24000	32539
BW404	110	4-1/4"	24000	32539
BW408	115	4-1/2"	25000	33895
BW410	120	4-5/8"	27000	36607
BW500	130	5"	27000	36607
BW506	135	5-3/8"	27000	36607
BW512	145	5-3/4"	28000	37962

Hydraulic Angular Nut Splitter

BTNC Series



BOLTORQ-BTNC series angular head hydraulic nuts splitter widely used in the industrial manufacture are placed in the open air and high temperature or corrosive environment. Some are fastened by rust and some screw threads are damaged by bumping, so the nut dismantling is very difficult. The usually method is to cut off the nut and bolt together with gas cutting. However, in some special environment, it is prohibited to use fire (electricity) welding, like underground coal mine, in pulverized coal bunker of power station, high pressure and high temperature places in oil pipeline, so that makes the people have no choice to change the nut and bolt. The hydraulic nut cutter can settle the dismantling of nut and bolt in a simple and convenient, fast, safe, high-efficient way without fire, electricity and damage to thread of bolt.

Products Parameter:

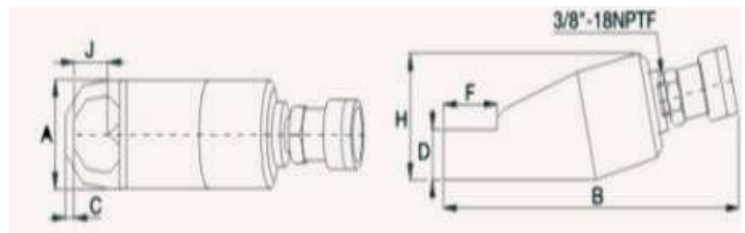
Capacity:5-90

Ton Bolt Range:M6-M48

Max Pressure:700ba

Features: -

Compact and ergonomic design, easy to use. Unique angled head design. Single-acting, spring return cylinder. Heavy duty chisels can be done regrinding. Application include service trucks, piping industry, tank cleaning, petro chemical, steel construction, mining, etc.



Model	Stud Diameter		Nut A/F		A	B	C	D	E	F	Wt. Approx. (kg)	Suitable Hand Pump
	mm	inch	mm	inch	mm	mm	mm	mm	mm	mm		
BTNC-1018	M6-M12	1/4"-3/8"	10-18	1/2"-11/16"	40	52	8	20	130	30	1	BHPA3 P4-2-1.4
BTNC-1824	M12-M16	3/8"-9/16"	18-24	11/16"-15/16"	54	67	12	24	163	41	2	BHPA3 P4-2-1.4
BTNC-2432	M16-M22	9/16"-3/4"	24-32	15/16"-1 1/4"	64	79	13	30	187	52	3	BHPA3 P4-2-1.4
BTNC-3241	M22-M27	3/4"-1	32-41	1 1/4"-1 5/8"	78	94	20	37	219	69	4.5	BHPA3 P4-2-1.4
BTNC-4150	M27-M33	1"-1 1/4"	41-50	1 5/8"-2"	95	113	21	45	265	78	9.6	BHPA3 P4-2-1.4
BTNC-5060	M33-M39	1 1/4"-1 1/2"	50-60	2"-2 3/8"	106	128	25	54	297	91	13	BHPA3 P4-2-1.4
BTNC-6075	M39-M48	1 1/2"-1 7/8"	60-75	2 3/8"-2 15/16"	156	185	27	75	357	110	34	BHPA3 P4-2-1.4

Usage: -

1. Open the oil plug, filled the hand pump oil tank with hydraulic oil, then close the unloading valve.
2. Put the nut cutter into the bolting, let it flat.
3. Press the hand pump, let cleaver advance to the nut, when the cleaver advances the half nut, then press the hand pump slowly, in case to break the bolting.
4. When you hear broken sound splitting, it shows nut has been broken open, namely stop pressing.
5. Unscrewed the unloading valve and the cleaver are back to original position, remove the split, the work end.

Hydraulic Angular Nut Splitter

BTFS Series



Separation of stubborn joints for inspection and maintenance particularly those fitted with ring grooves or those with external forces acting on them are often difficult to separate. The use of hammers and wedges, chain blocks and lever bars can damage joint components and present a potential safety risk. BOLTORQ Flange Spreader are the ideal solutions. USEDIN: Standard Kit/MaxiKit are used for shutdown, testing, pipeline maintenance, commissioning etc...

FEATURES:

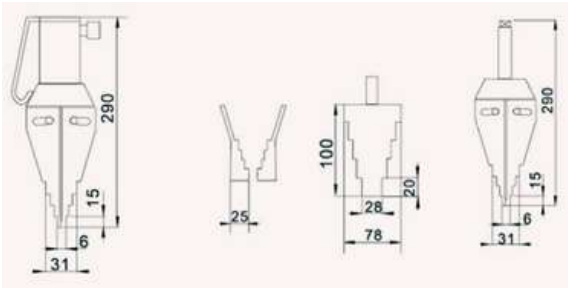
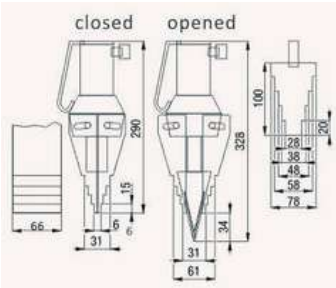
- Operated by hydraulic pump with rated pressure of 700bar (10000psi) hydraulic pressure
- Required very small access gap of only 6mm
- Eachsteps preading distance is 20mm
- Maximum spreadingdistanceis61mm
- Use stepped blocks to increase wedge opening up to 81 mm
- Includes Safety blocks
- Supplied with 3/8 male couple rand dust cap
- Safe and reliable hydraulic system



SPREADING FORCE:

with 700bar (10000psi) hydraulic pressure applied:14ton (140KN) per tool

Model	Maximum Spread	Tip Clearance	Maximum Spread	Maximum wt. Spread blocks	
BTFS-14	14 (140 KN)	6mm	61mm	80mm	



Example of Operations

BOLTORQ's BTFS Series Flange Spreader is a versatile tool designed for a range of industrial applications including maintenance, commissioning, shutdowns, testing, and valve and gasket changes. Its innovative design eliminates the need for hammers, chisels, slings, or chain blocks, making tasks more efficient and safer. With a remarkably small access gap requirement of only 6mm, it can access tight spaces with ease. BOLTORQ offers both Mechanical and Hydraulic options, providing flexibility to meet various project needs and requirements.



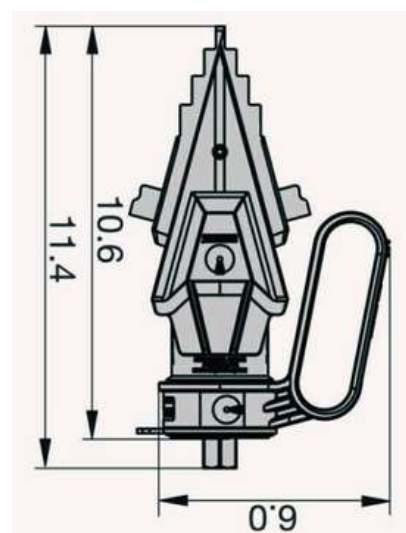
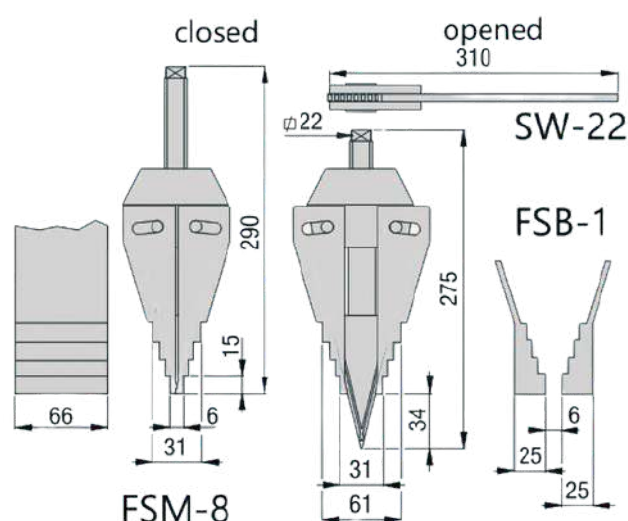
Mechanical Flange Spreader

BTFSM Series

BOLTORQ Mechanical Flange Spreader BTFSM Series is an essential tool for industries requiring reliable and efficient flange spreading solutions. Engineered with durability and simplicity in mind, its design boasts few moving parts, ensuring longevity and minimal maintenance requirements. With a remarkable access gap requirement of only 6 mm, it efficiently fits into tight spaces, offering versatility in various work environments. Whether opting for the mechanical or hydraulic version, users can count on portable tools that safely and effectively spread flange joints, facilitating smoother operations and enhancing workplace safety.

FEATURES

- Few moving parts mean durability and low maintenance
- Requires access gap of only 6 mm
- Portable tools to safely spread flange joints
- Available for both mechanical and hydraulic options
- Practical, portable and light weight
- Molded plastic handle for comfort
- Revolving handle to aid horizontal or vertical spreading
- Increased step depth on upper steps
- Safety lanyard-1.0m(39") length
- Forged key components for strength and reliability
- Rapid disassembly and assembly Narrow jaw teeth-improved tool wear



Model	Maximum Spread	Power Source	Maximum Spreading Force	Capacity	Tip Clearance	Weight
BTFSM-8	80mm/3.16in	Mechanical	8T/72kN	8 Ton	6mm/0.24in	6.5kg/14.3lbs
BTFSM-14	103.5mm/4.1in	Mechanical	175Nm/130Ft.lbs	14 Ton	6mm/0.24in	6.5kg/14.3lbs

Torque Chart

BOLT & NUT SIZE mm		BOLT GRADE 8.8			BOLT GRADE 10.9			BOLT GRADE 12.9		
BOLT DIA	NUT SIZE	TORQUE VALUE IN NM.			TORQUE VALUE IN NM.			TORQUE VALUE IN NM.		
		u=0.10	u=0.15	u=0.20	u=0.10	u=0.15	u=0.20	u=0.10	u=0.15	u=0.20
	24	121	165	208	171	232	292	205	278	351
M16	27	165	224	283	233	316	399	279	389	478
M20	30	237	322	406	333	452	571	400	543	585
M22	32	327	443	560	459	623	787	551	748	945
M24	36	409	556	702	576	781	987	691	938	1184
M27	41	608	828	1043	855	1161	1467	1027	1393	1780
M30	46	820	1113	1406	1154	1566	1978	1384	1879	2373
M33	50	1128	1531	1933	1586	2152	2719	1903	2583	3263
M36	55	1442	1957	2472	2028	2752	3476	2433	3302	4171
M39	60	1881	2553	3225	2646	3590	4535	3175	4308	5442
M42	65	2317	3145	3973	3259	4423	5587	3911	5307	6704
M45	70	2912	3952	4992	4095	5558	7021	4914	6670	8425
M48	75	3490	4737	5984	4909	6662	8415	5890	7984	10097
M56	85	5642	7658	9673	7935	10768	13602	9522	12922	16323
M60	90	7076	9603	12130	9951	13504	17058	11941	16205	20470
M64	95	8535	11583	14631	12002	16289	20575	14403	19547	24690
M68	100	10405	14121	17838	14632	16289	25084	17559	23830	30101
M72	105	12530	17005	21480	17620	16289	30206			
M76	110	14926	20256	25587	20989	16289	35981			
M80	115	17608	30185	31572						
M85	120	21390	29029	36668						
M90	130	25676	34847	44017						
M95	135	30500	41393	52286						
M100	145	35893	48712	61531						
M105	150	41886	56846	71805						
M110	155	48511	65838	83162						



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