



BOLTORQ

Infracon Pvt Ltd



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



- Electric Torque Wrenches
- Shear Wrenches
- Digital Torque Wrenches
- Hydraulic Torque Wrenches
- Hydraulic Tensioning
- Flange Management Software

INSPIRING **BOLTING ERA**, ACCELERATING **GROWTH**

Introduction

BOLTORQ INFRACON PVT. LTD.



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.



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Accreditation

BOLTORQ INFRACON PVT. LTD.



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.



Accreditation

BOLTORQ INFRACON PVT. LTD.



We Proudly Elaborate...

BOLTORQ proudly holds MSME certification, signifying our dedication to supporting small and medium-sized enterprises. This reflects our commitment to fostering local economic growth and resilience through partnerships with MSMEs.

Our MSME certification reflects our commitment to diversity and inclusion in business. We support smaller enterprises by offering resources and collaboration opportunities, fostering their success in a competitive market.

At BOLTORQ, our MSME certification reflects our dedication to corporate responsibility and community engagement. Through partnering with MSMEs, we foster mutual growth and empowerment, contributing to local economic prosperity and community well-being.

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER UDYAM-GJ-10-0007017

NAME OF ENTERPRISE BOLTORQ

S.No.	Classification Year	Enterprise Type	Classification Date
1	2023-24	Micro	09/05/2023
2	2022-23	Micro	26/06/2022
3	2021-22	Micro	07/06/2021

TYPE OF ENTERPRISE *

MAJOR ACTIVITY **MANUFACTURING**

SOCIAL CATEGORY OF ENTREPRENEUR GENERAL

S.No.	Udyog Aadhaar Memorandum	Unit(s) Name
1	GJ10E0001280	BOLTORQ

OFFICIAL ADDRESS OF ENTERPRISE

Flat/Door/Block No.	PLOT NO. 22	Name of Premises/ Building	PRAMUKH INDUSTRIAL PARK
Village/Town	JAMNAGAR	Block	STREET NO-2
Road/Street/Lane	KANSUMRA PATIYA ROAD	City	JAMNAGAR
State	GUJARAT	District	JAMNAGAR, Pin 361006
Mobile	9892703895	Email:	rkp.boltorq@yahoo.com

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE 25/08/2015

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS 25/08/2015

NATIONAL INDUSTRY CLASSIFICATION CODE(S)

S.No.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	28 - Manufacture of machinery and equipment n.e.c.	2818 - Manufacture of power-driven hand tools	28180 - Manufacture of power-driven hand tools	Manufacturing
2	71 - Architecture and engineering activities; technical testing and analysis	7110 - Architectural and engineering activities and related technical consultancy	71100 - Architectural and engineering activities and related technical consultancy	Service

DATE OF UDYAM REGISTRATION 07/06/2021

* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the Mo MSME.

Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing- 17/01/2024

For any assistance, you may contact:

1. District Industries Centre: JAMNAGAR (GUJARAT)

2. MSME-DFO: AHMEDABAD (GUJARAT)

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Workshop Store

BOLTORQ INFRACON PVT. LTD.



BOLTORQ
Inspiring Bolting Era, Accelerating Growth

Our Storage & Testing Area...



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Digital Type BT-DC Series

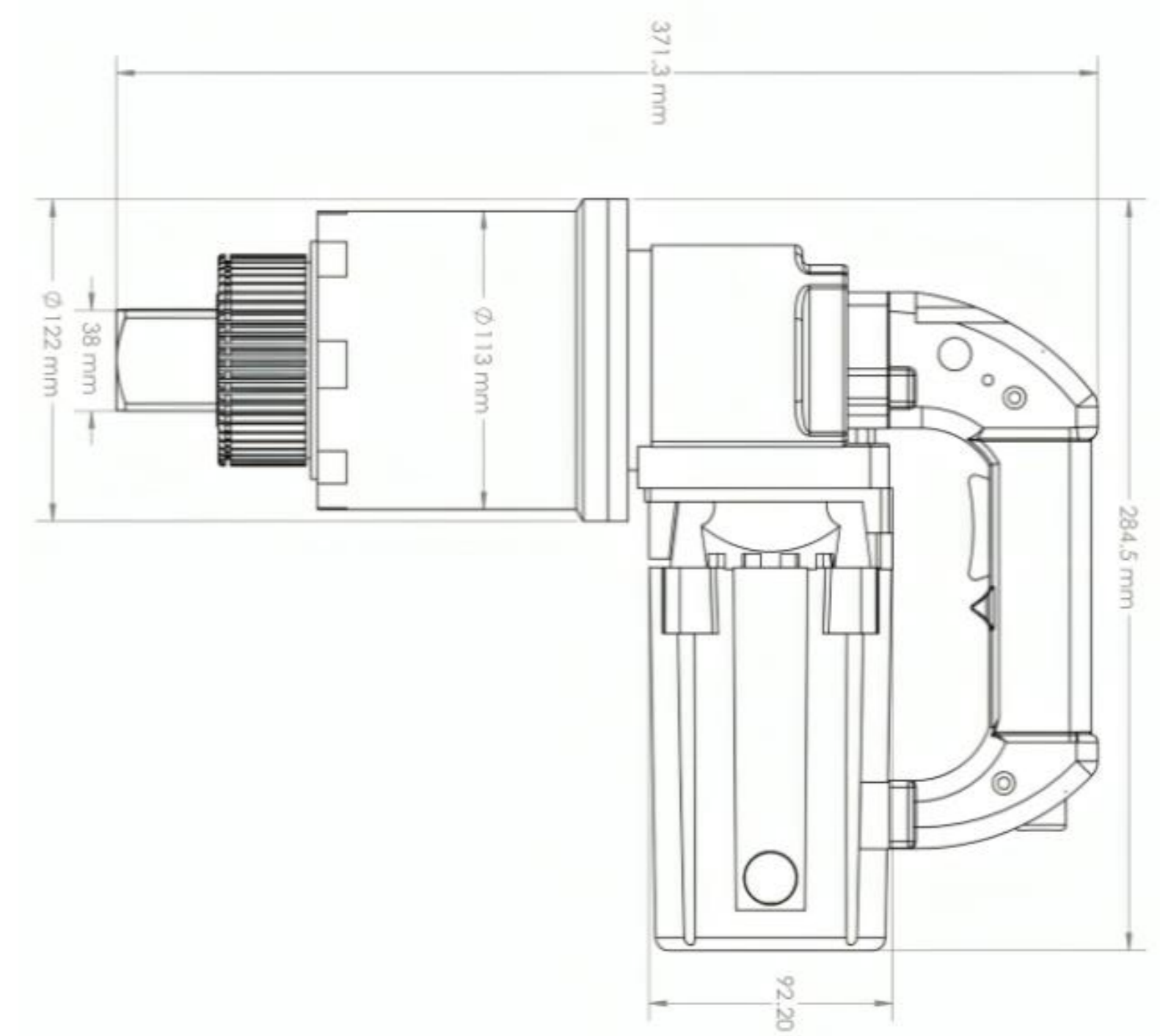
Torque Range 200 Nm to 5000 Nm (147.5 FT Lb. – 3688 FT Lb.)

The BT-ETW 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-ETW 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.

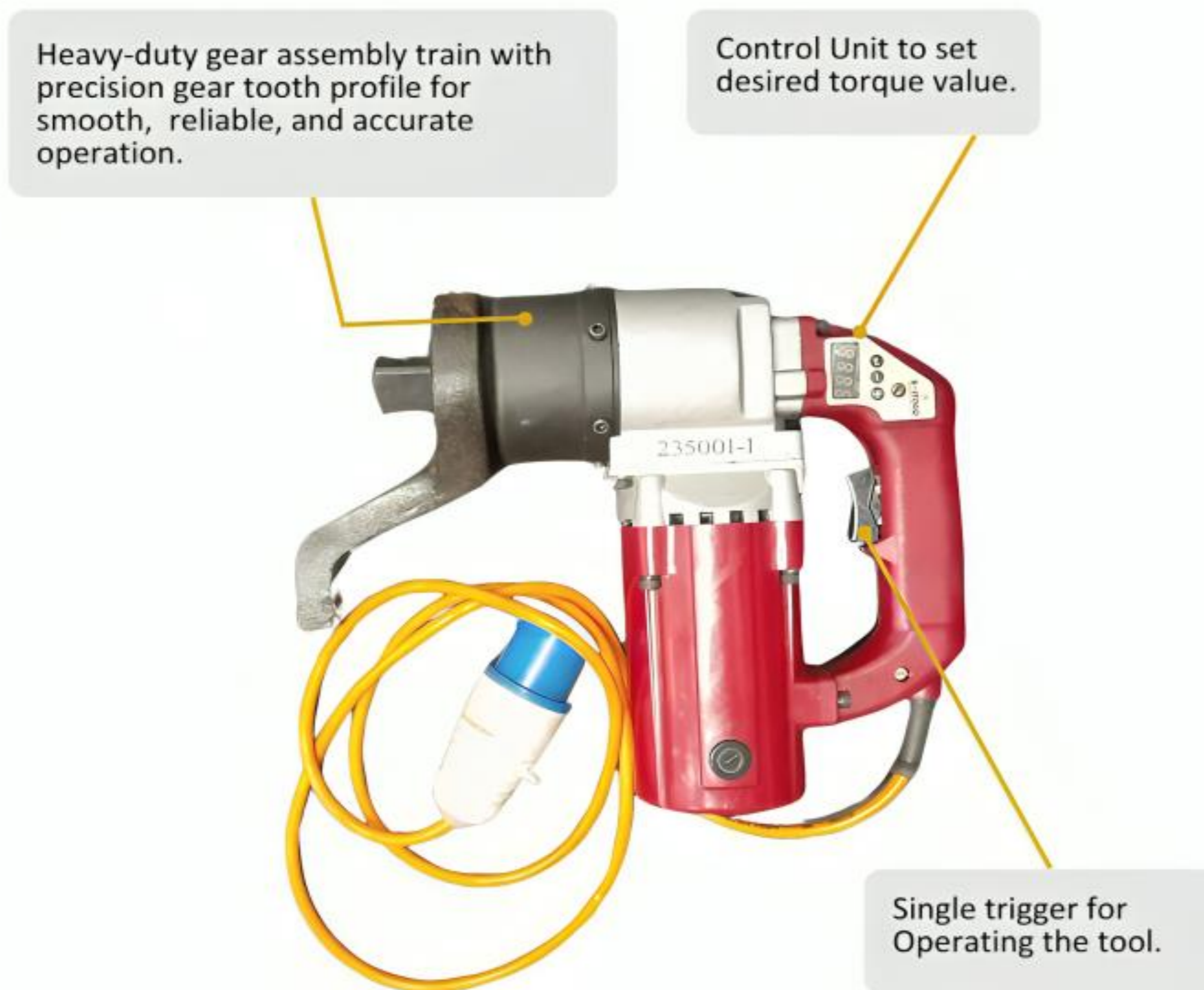


Pre-Usage Checks

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

Features

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



TECHNICAL DATA

Model	Drive S	Power Consumption	Current A	Voltage V	Frequency HZ	Ro Speed r/min	Torque Nm	Applicate	Weight Kg
BT-DC6	3/4"	1300W	4	220	50-60	16	200-600	M16-M22	5
BT-DC10	1"	1300W	4.5	220	50-60	14	300-1000	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	1500-3500	M30-Above	9
BT-DC50	2-1/2"	1400W	7	220	50-60	1	2000-5000	M36-Above	12

Dial Type BT-EC Series

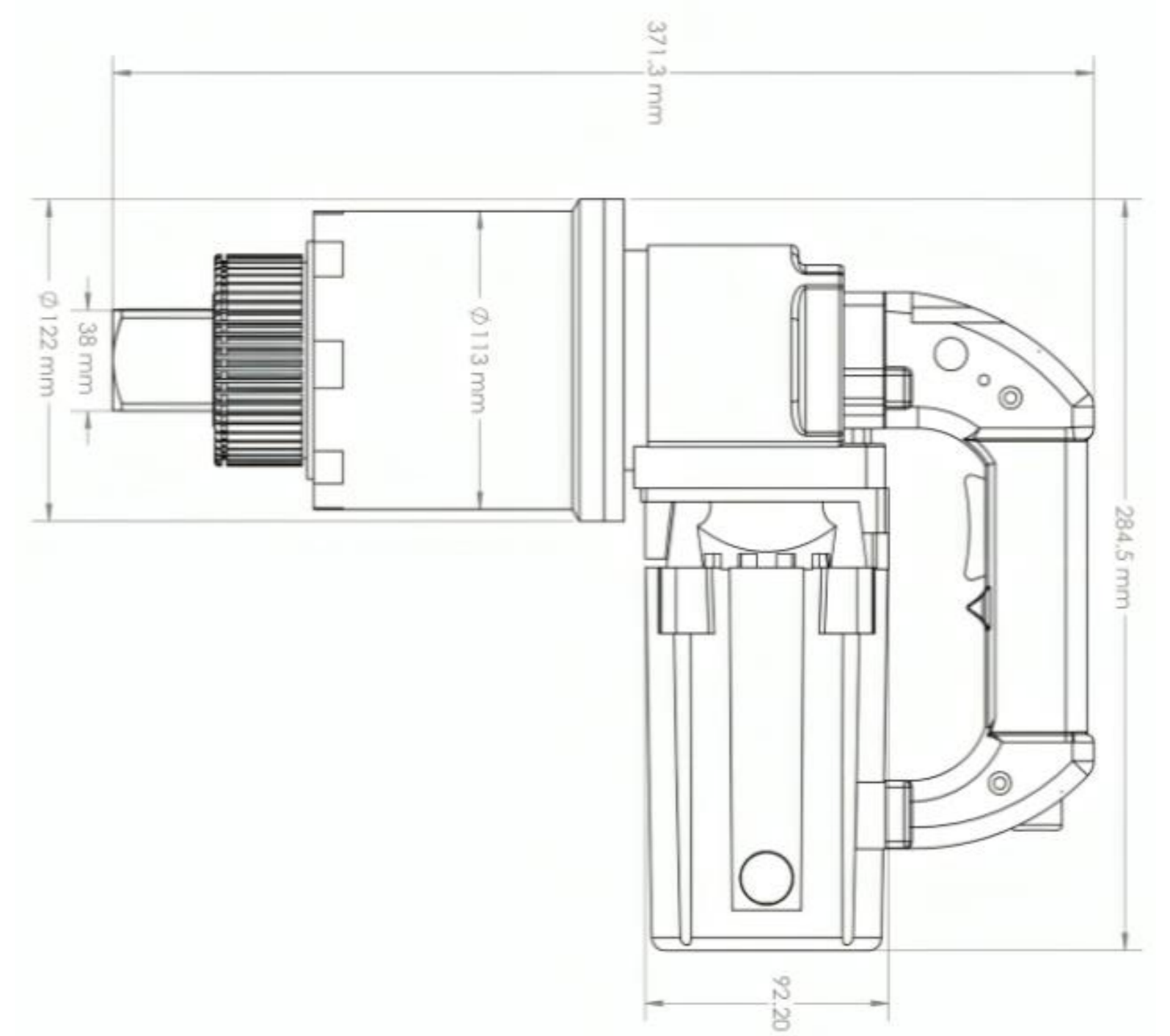
Torque Range **100 Nm to 5000 Nm (73.76 FT Lb. – 3688 FT Lb.)**

The BT-ETW 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 with simple dial to increase or decrease the value. The set torque value is mentioned in calibration certificate supplied with the machine.

- 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-ETW 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.

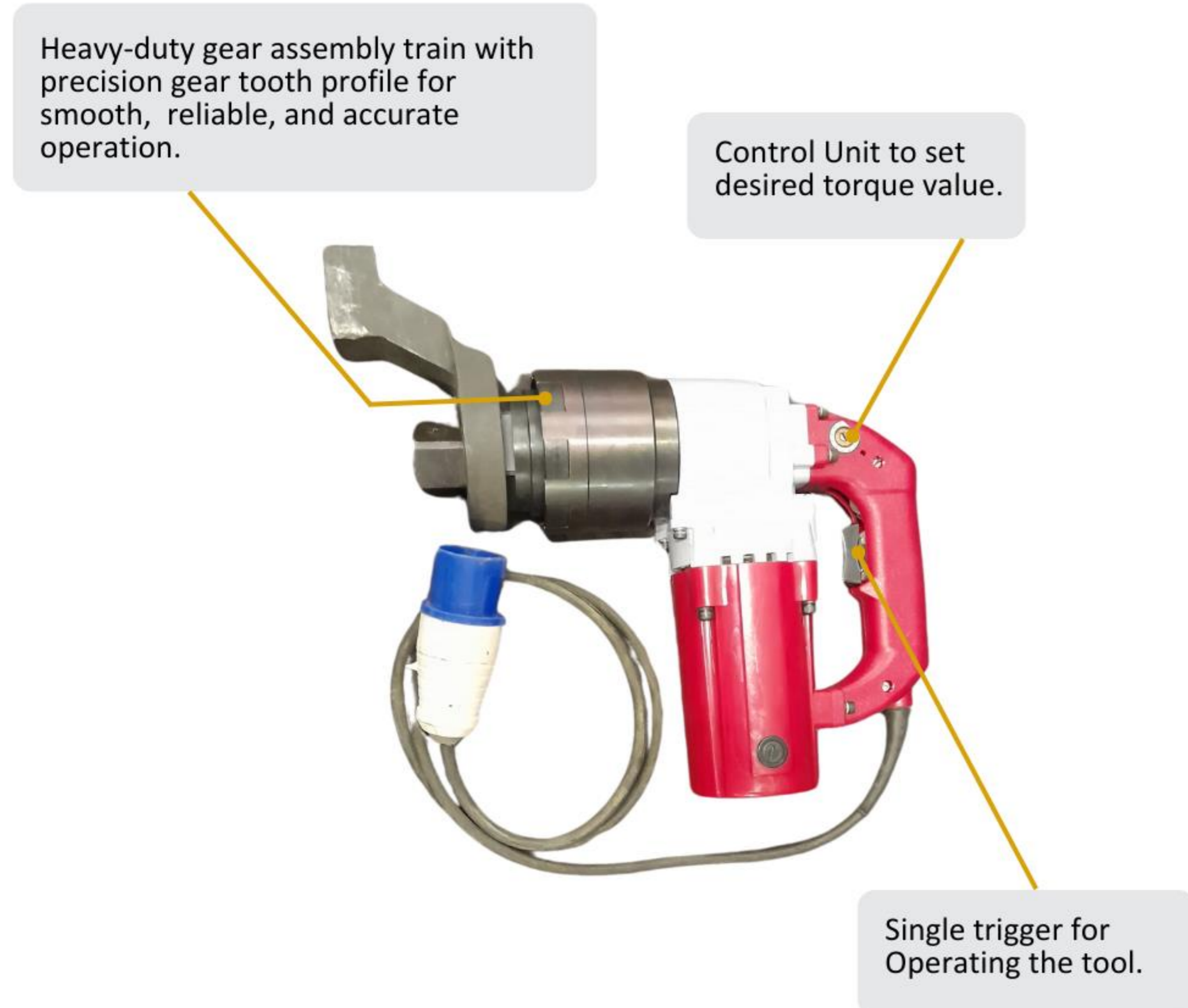


Pre-Usage Checks

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

Features

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



TECHNICAL DATA

Model	Drive S	Power Consumption	Current A	Voltage V	Frequency HZ	Ro Speed r/min	Torque Nm	Applicate	Weight Kg
BT-EC3	3/4"	500W	2	220	50-60	18	100-300	M12-M16	3
BT-EC6	3/4"	800W	4	220	50-60	14	250-600	M16-M20	6.9
BT-EC10	1"	1000W	5	220	50-60	11	500-1000	M22-M24	8
BT-EC15	1"	1000W	5	220	50-60	10	500-1500	M24-M27	8.8
BT-EC25	1-1/4"	1000W	5	220	50-60	6	800-2500	M27-M30	10.1
BT-EC35	1-1/2"	1000W	5	220	50-60	5	1700-3500	M33-M36	11.1
BT-EC50	2-1/2"	1000W	5	220	50-60	3	2500-5000	M36-M42	14.5

Square Drive IBT Series

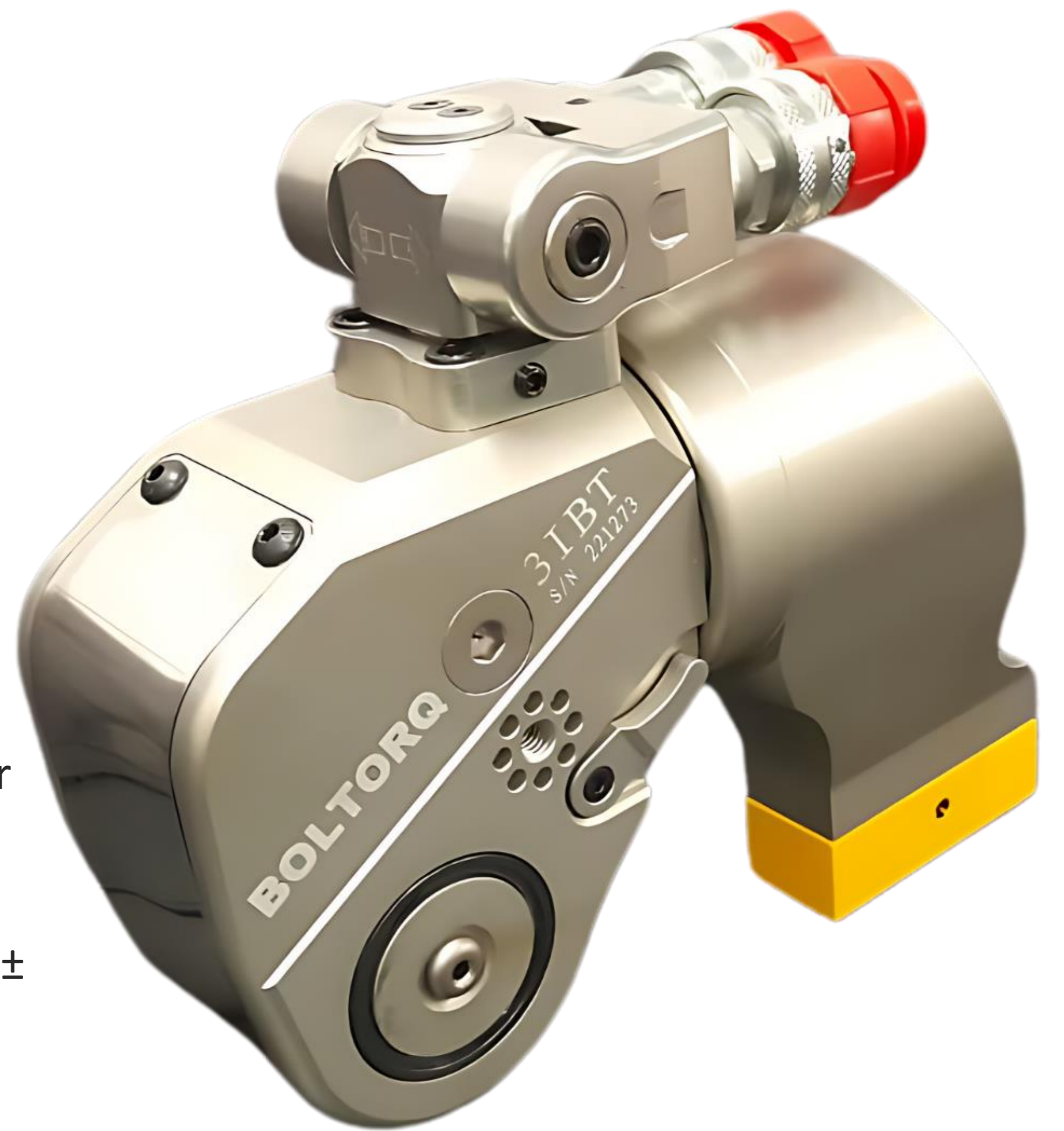
Hydraulic Torque Wrenches are a work horse of the bolting world, readily available and proven, the Wrenches have a wide variety of applications.

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:

- Available torque ranges up to 50,000 Ft. Lbs. with Maximum operating pressure of 10000 PSI (700 bar).
- Applications include Tower Bolt Sections, Pillow block for gearbox / Alternator and Yaw drive and cover most bolt sizes for Wind Turbines.
- Special Tools for Holding Available.
- 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 -

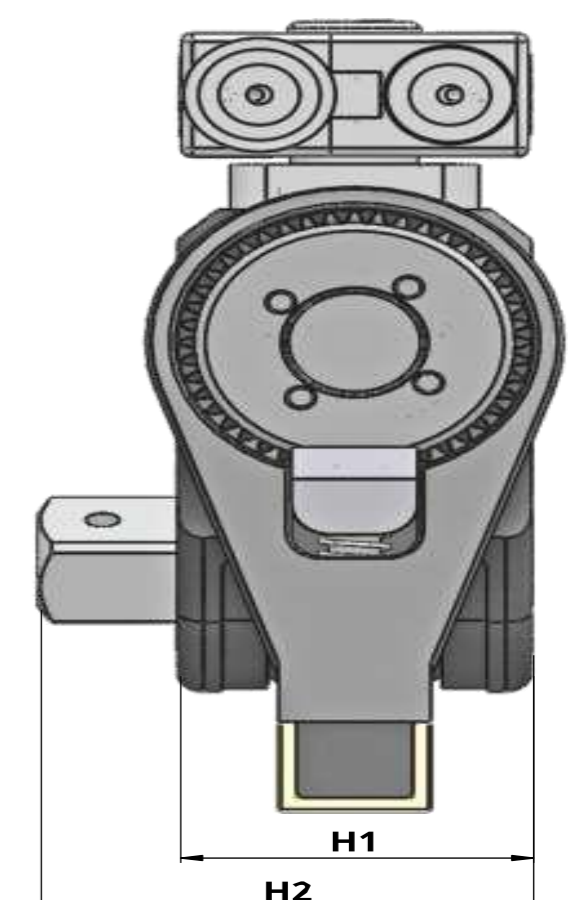
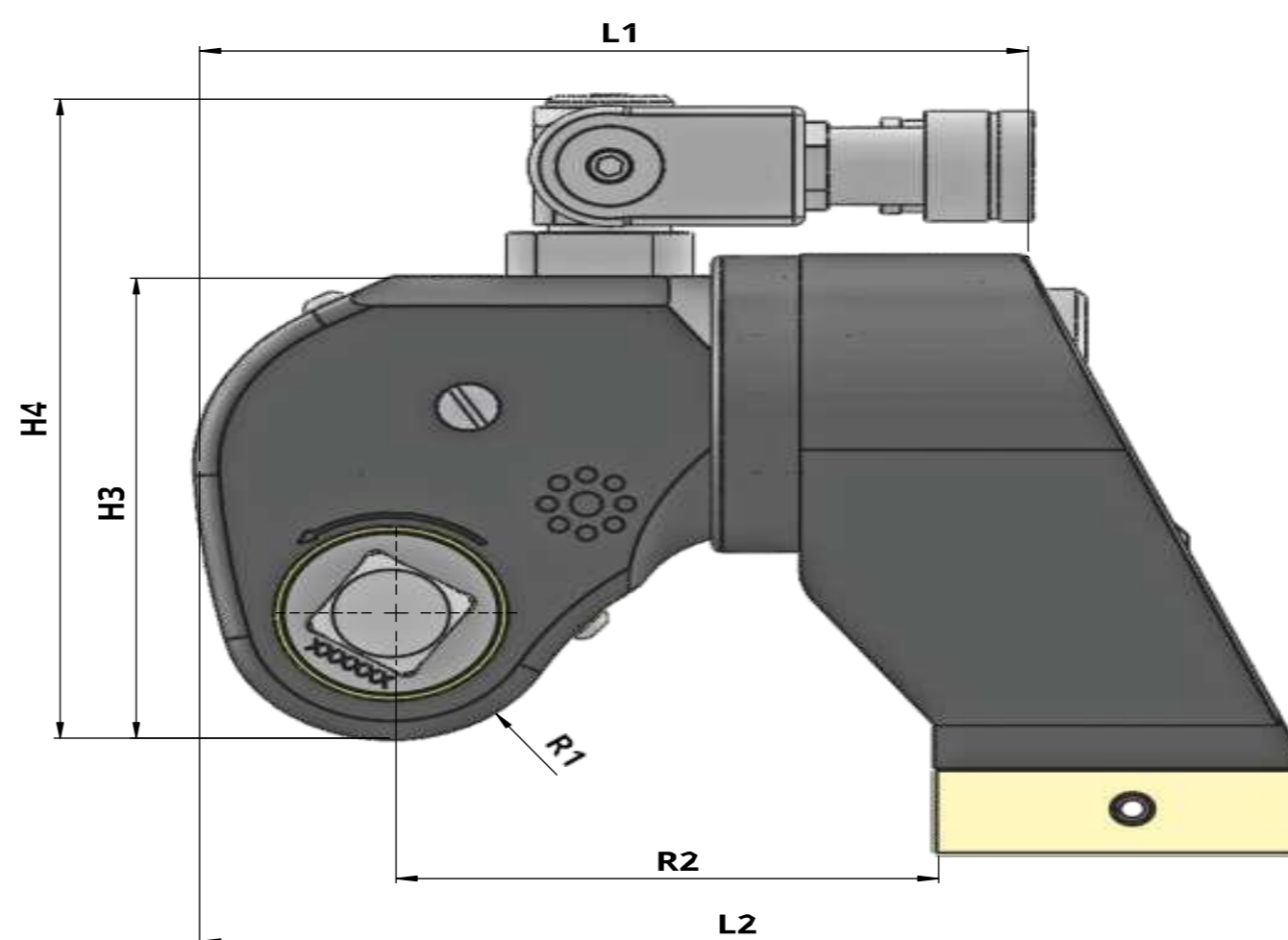
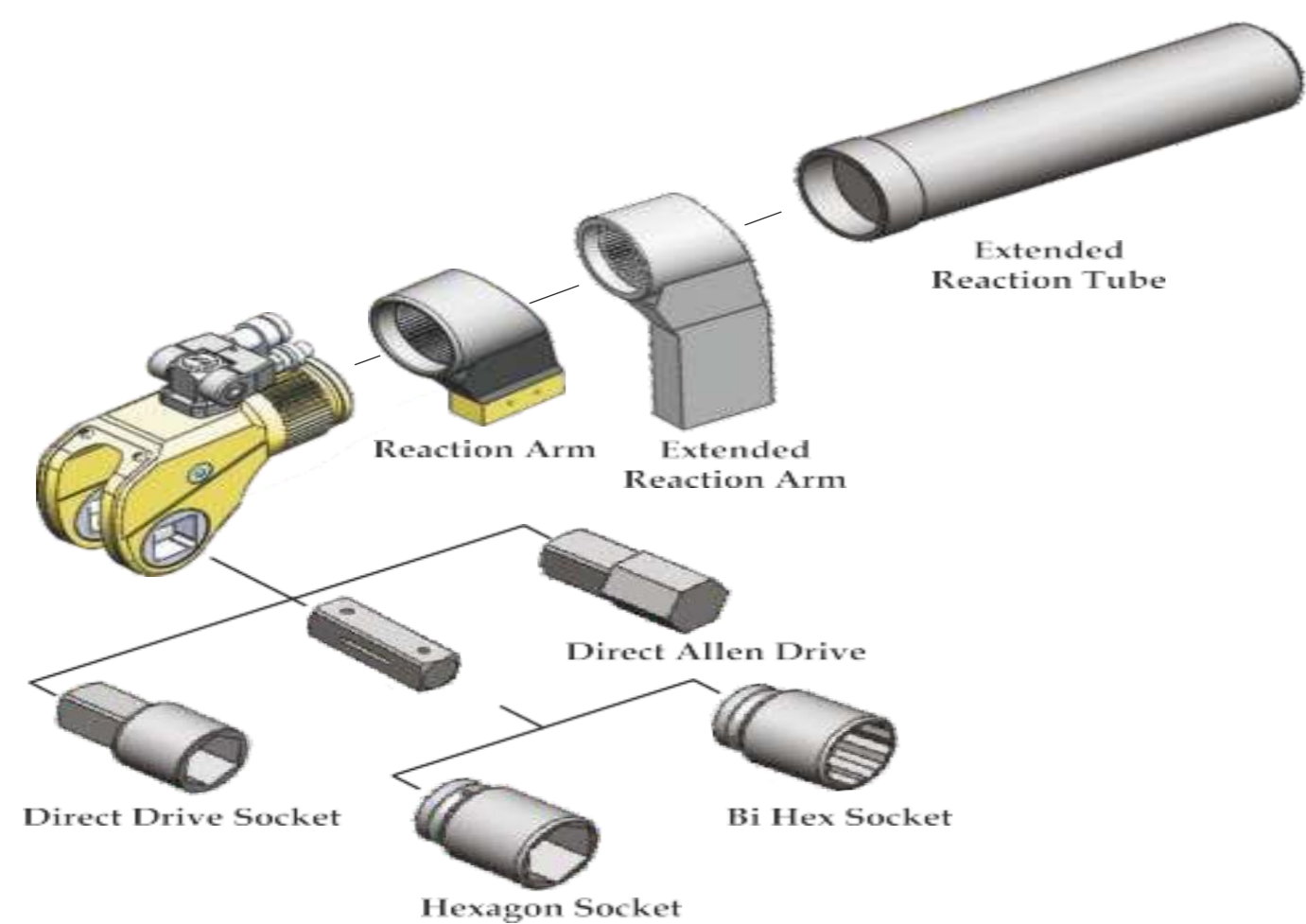
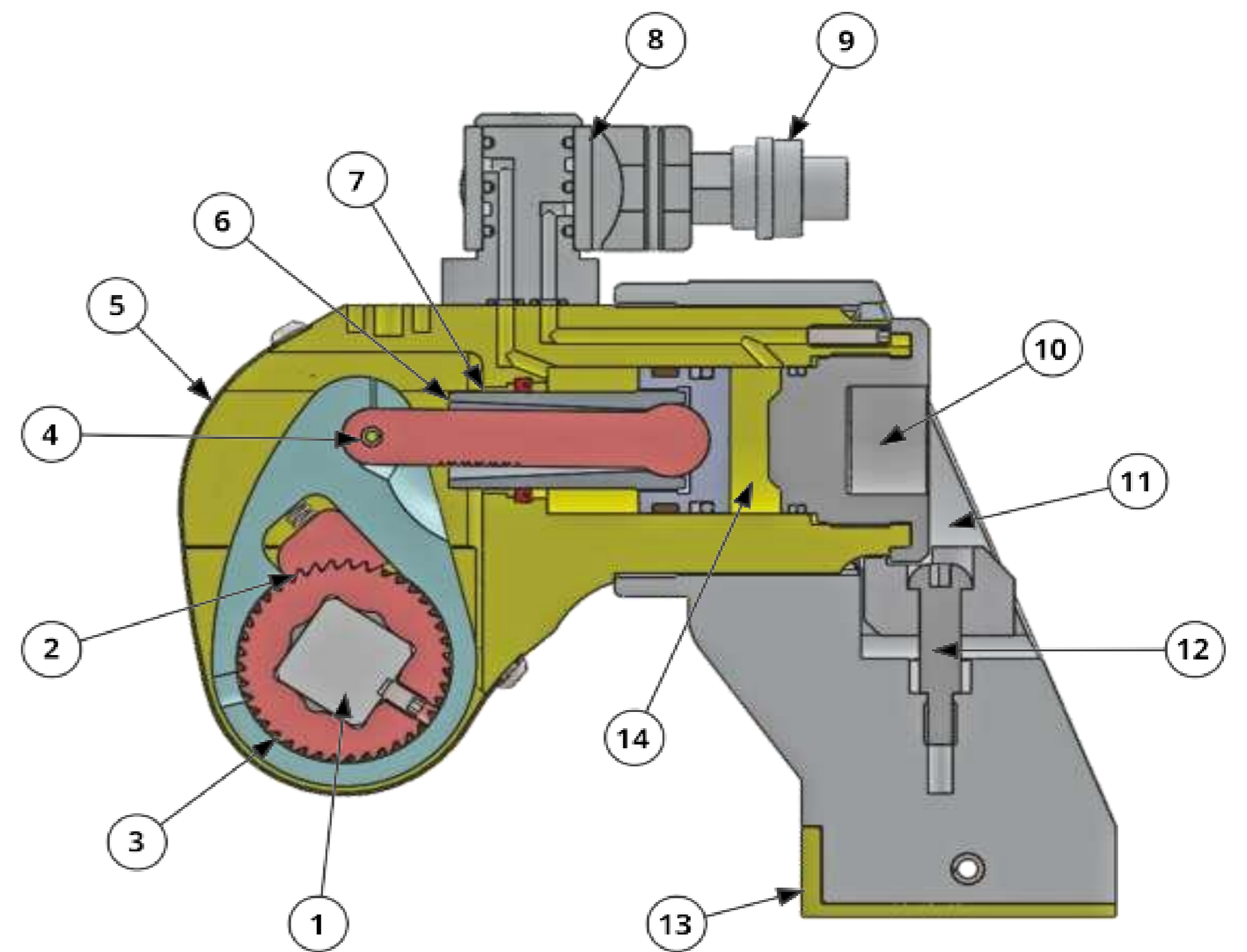
- Provision for lifting tools / handle.
- Standard spline design with torque effective length for exact PCD engagement of reaction Arm.
- High strength aerospace aluminium material for light weight and stronger body design.
- Scratch proof hard anodized body and reaction arm.



TECHNICAL DATA

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"

- 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.



DIMENSIONAL DATA

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	97.5

Hex Drive 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



SPECIFICATIONS:

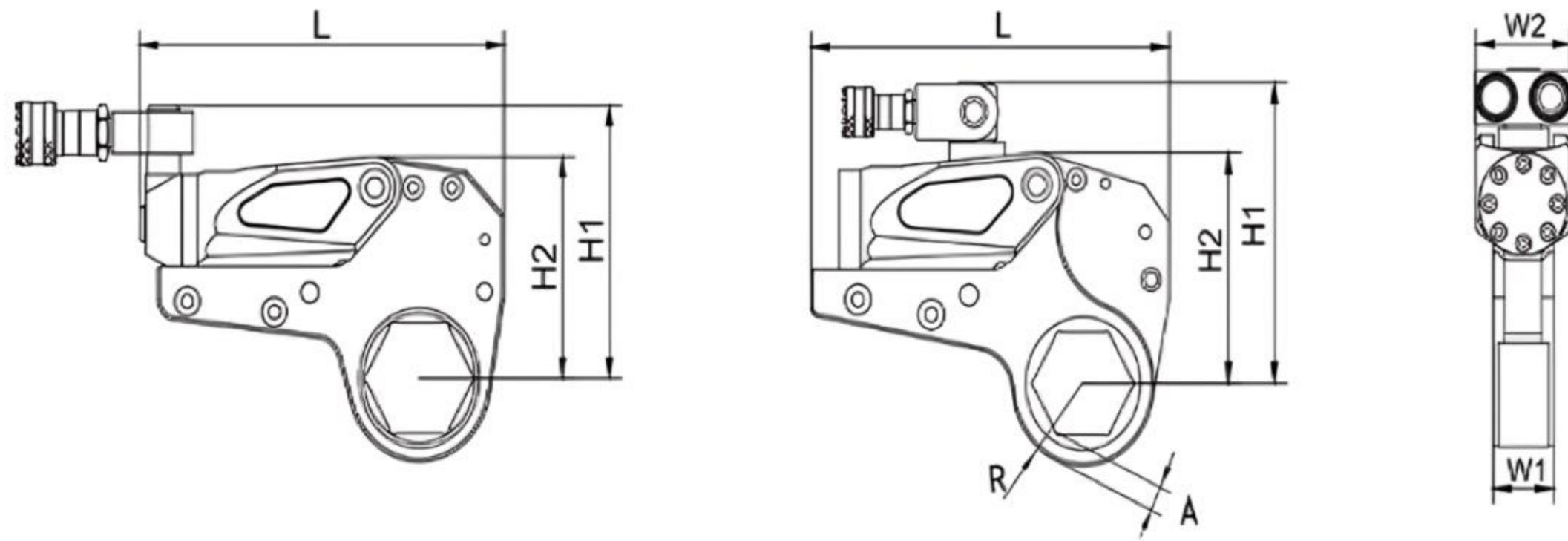
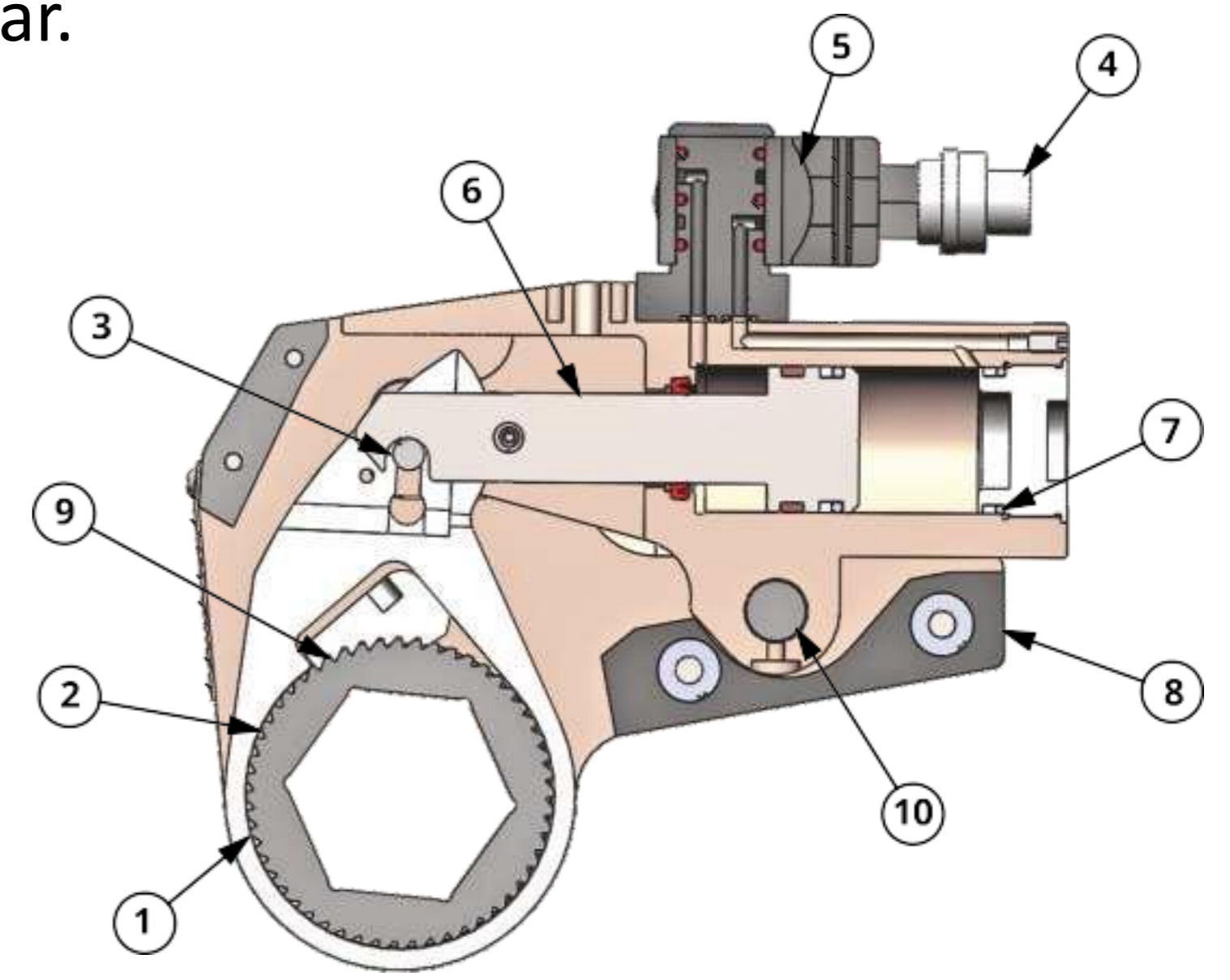
- High nickel alloy steel internal components ensure long lasting moving parts.
- The rod engages in the first stroke thus removing any backlash.
- The Hydraulic Torque Wrenches use an Alloy steel high strength hydraulic cylinder designed to exert a torque as per application.
- The ratchet and pawl have a finer tooth for better engagement and torquing.
- 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.

TECHNICAL DATA

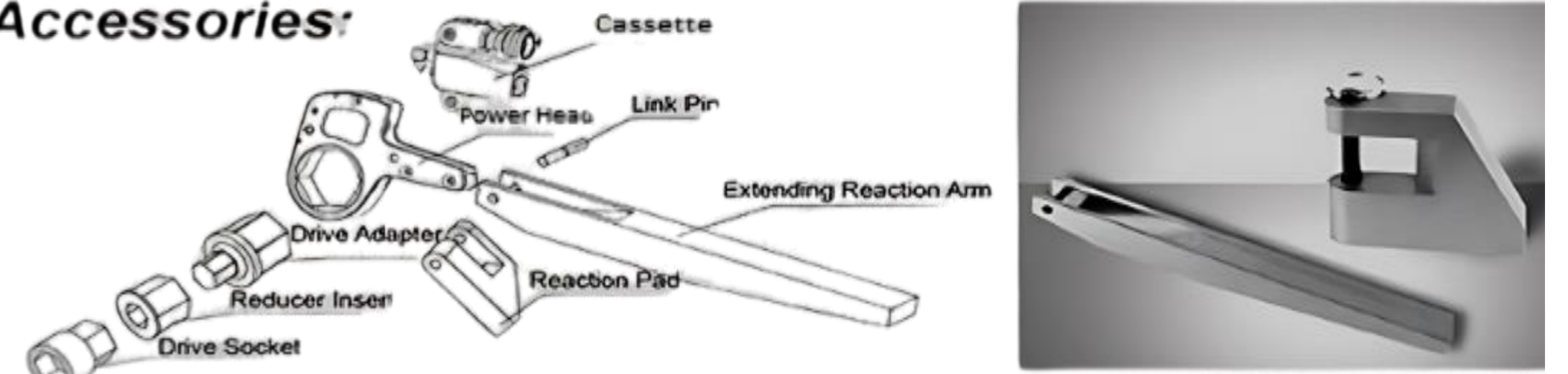
TYPE	Torque	Nut Sizes	Power Head Weight	Cassette Weight	Sizes					
	N.m	Mm	Kg	Kg	L1	L2	H1	H2	W1	W2
2 LOW	232-2328	19-55	1	1.6	195.4	186	125.9	102.3	32	51
	241-2414	60	1	1.7	195.4	186	128.5	105	32	51
4 LOW	585-2510	34-36	2	4.4	261.6	245	177	135.7	42	66
	585-5021	41								
	585-5858	46-65	2	4.6	261.6	245	187	145.7	42	66
	647-6474	70-80								
8 LOW	1094-10941	41-95	3.3	8	304	300	207	169	53	83
	1177-11774	100-105	3.3	8.4	304	300	216	178	53	83
14 LOW	1852-18521	50-117	5.5	11.6	361	361	239	204	64	99
30 LOW	4188-41882	110-155	11.4	29	441	430	303	272	85	131
	4459-44593	160-175	11.4	30	441	430	315	285	85	131

Hydraulic Torque Wrench

- 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:



DIMENSIONAL DATA

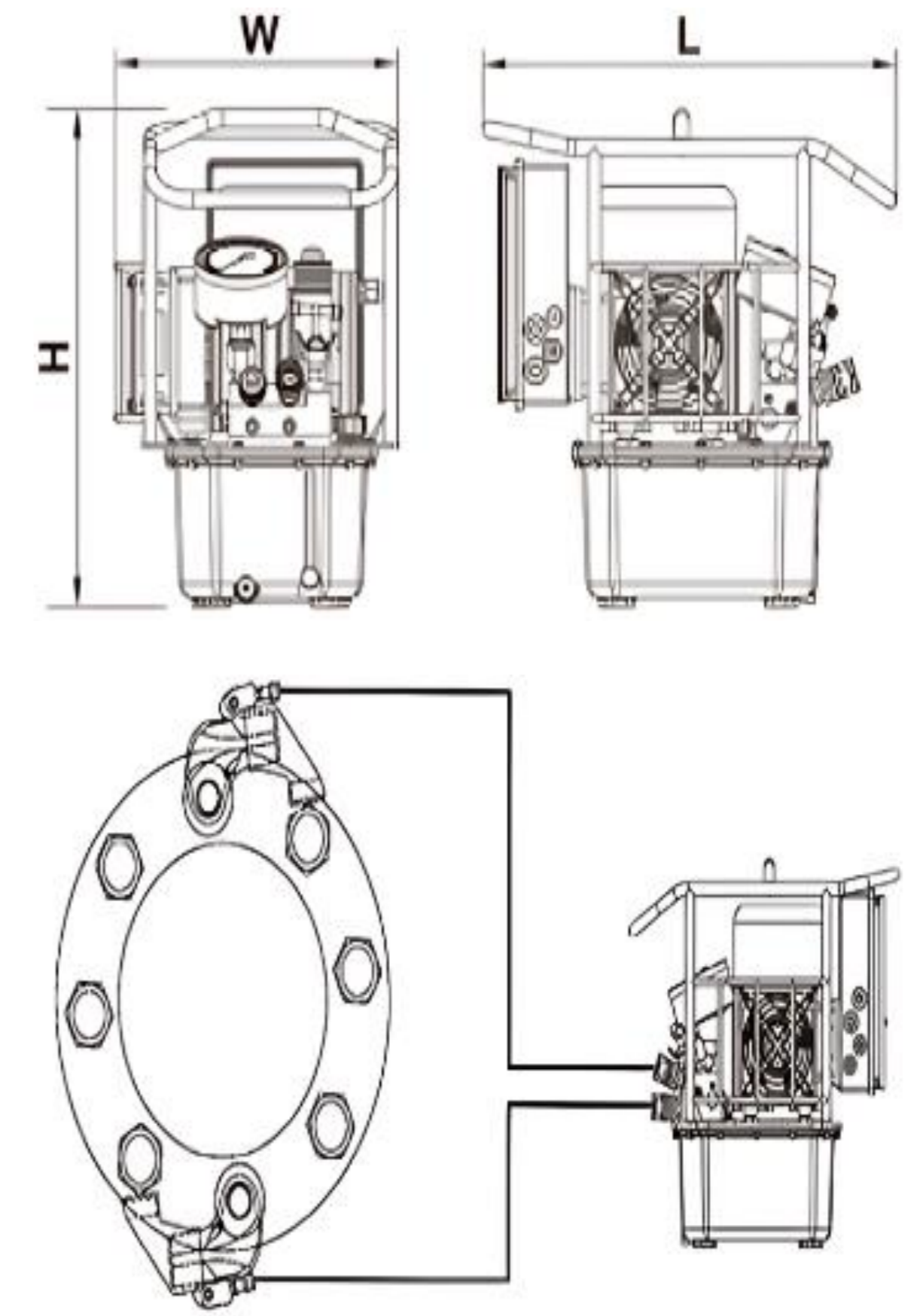
2 LOW				4 LOW				8 LOW				14 LOW				30 LOW			
TYPE	R	A	MAX TORQUE	TYPE	R	A	MAX TORQUE	TYPE	R	A	MAX TORQUE	TYPE	R	A	MAX TORQUE	TYPE	R	A	MAX TORQUE
2LOW-19	27	16	2328	4LOW-34	36	16	2510	8LOW-41	46	22	10941	14LOW-50	60	31	18521	30LOW-85	78	28	41882
2LOW-22	27	14	2328	4LOW-36	36	15	2510	8LOW-46	46	19	10941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

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.

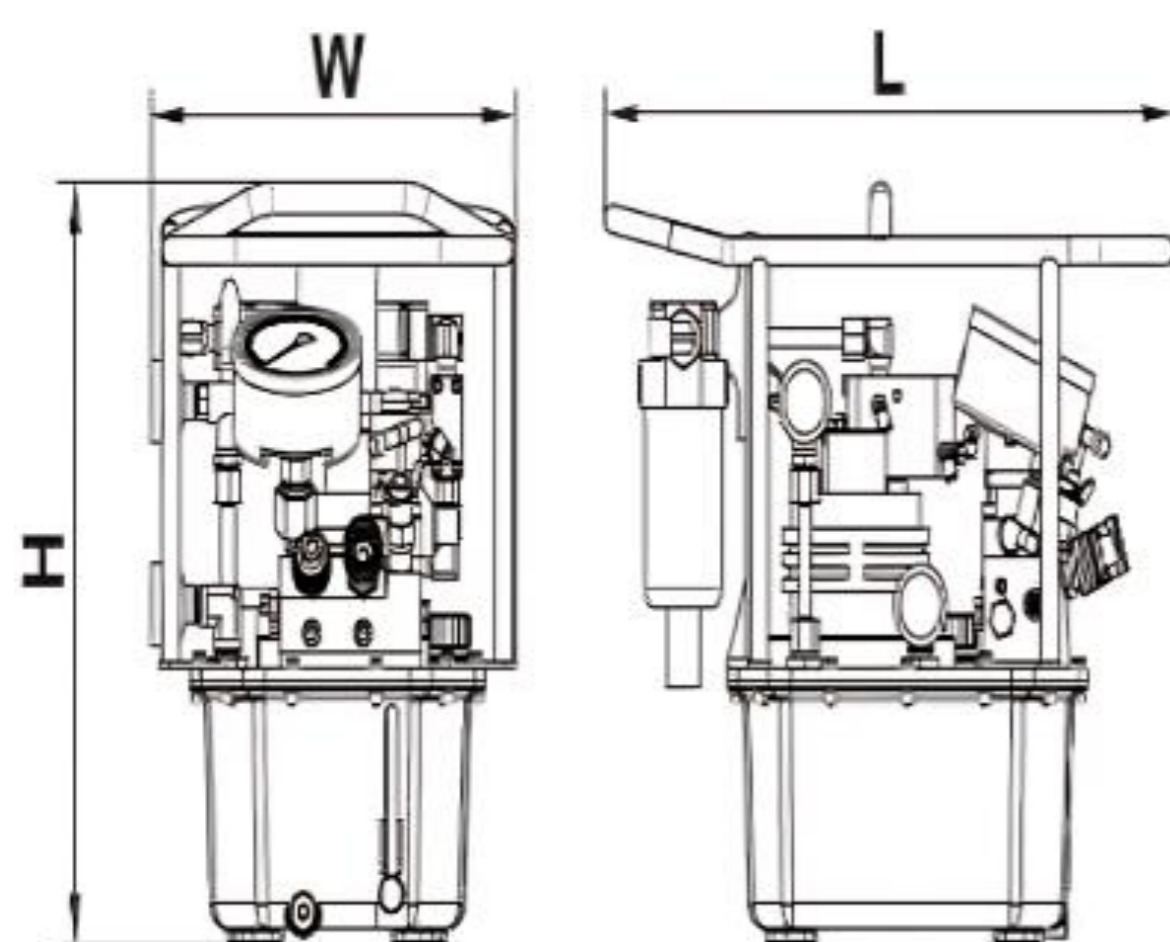


Model	LP3-2	LP3-4
Working Pressure	70 Mpa	70 Mpa
Drive	Electric	Electric
Voltage	220 V / 50 Hz	220 V / 50 Hz
Power	1.1 KW	1.1 KW
Tank Capacity	5.5 L	5.5 L
Flow Rate	7-1.6-0.8 L/min	7-1.6-0.8 L/min
Oil Cooler	Yes	Yes
Weight	25 Kg	27 Kg
Oil Outputs	4x1/4" NPT	8x1/4" NPT
Dimension	445x304x426	461x304x426



Pneumatic Pump LP3-N Series

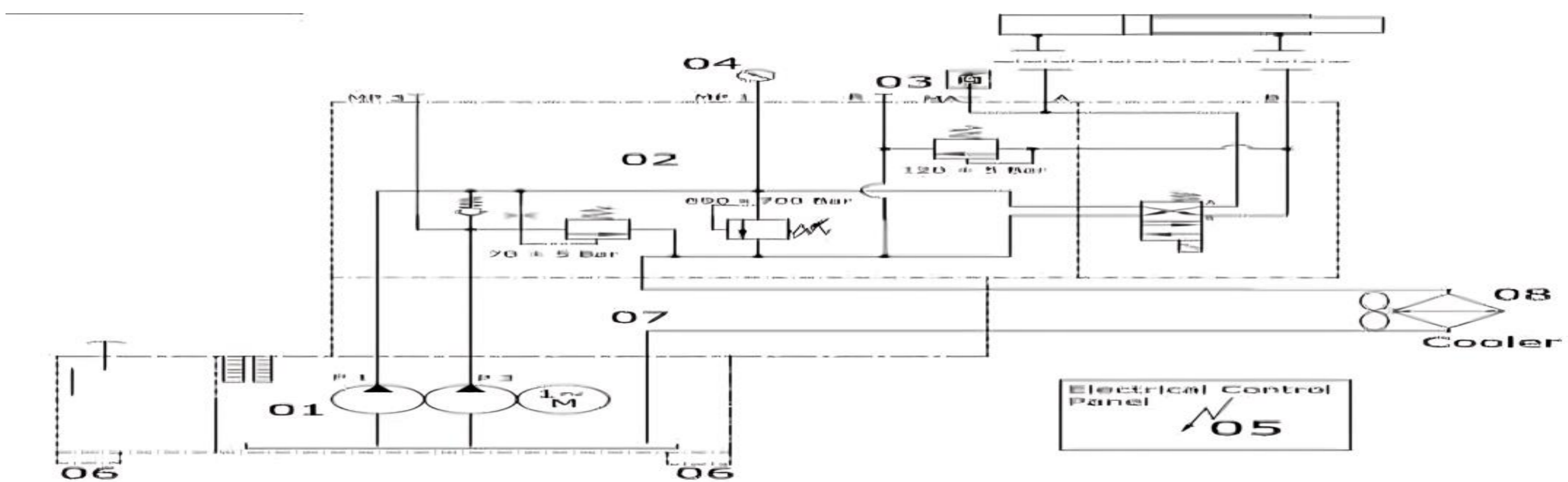
- Compact automatic three stage flow, most efficiency.
- The Single valve block can be replace by component FP4, there by allowing 2 or 4 Tools to be driven simultaneously.
- Three stage with air drive.
- Supporting continuous operation with steel frame.
- 4" diameter gauge, aluminium oil tank with oil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

Electric Pump BHP5000 Series

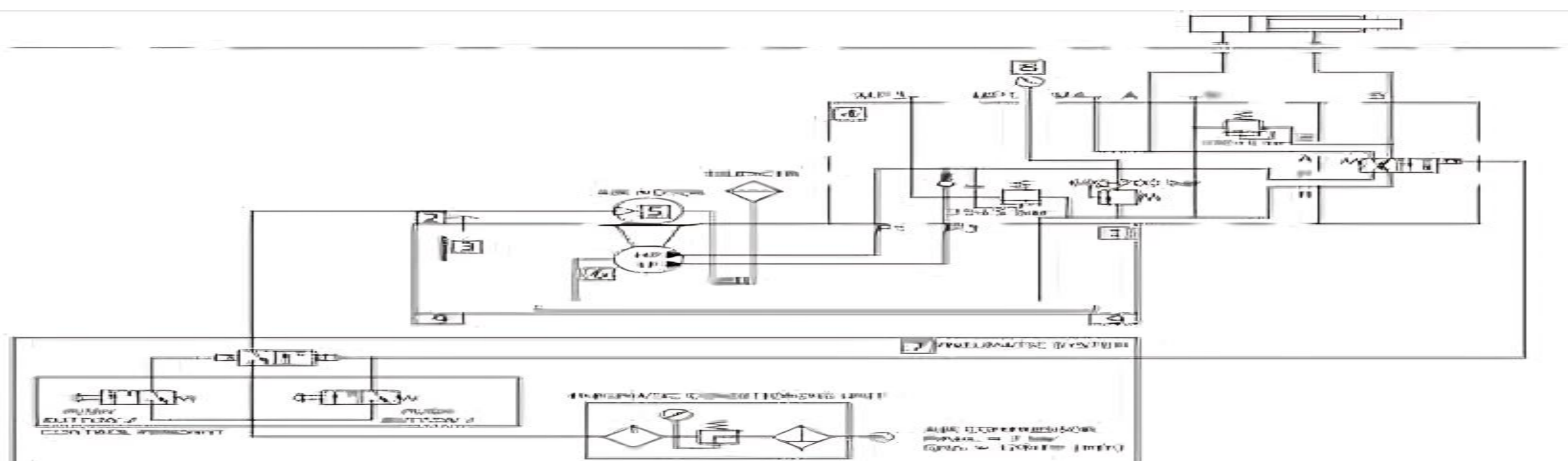
- Pump Flow - 0.98 lpm+8.6 lpm (Radial Piston Pump/Gear Pump)
- Motor - 1.1 KW, 1PH, 230V, 50HZ (2770 rpm)
- Weight of the Power Pack :- 35Kgs w/o oil (Approx.)
- Tank Capacity - 6 Litre
- Usable volume - 3 Litre
- Max System Pressure - 700 Bar
- Return line pressure - 90 Bar
- Unloading pressure - 70 Bar
- Control voltage for solenoid - 24V DC
- Control pendant will be of 230V AC
- Port sizes - A and B : ¼" BSPP
- Hydraulic oil recommended to be used ISO VG 68



Pneumatic Pump BHP5000N Series



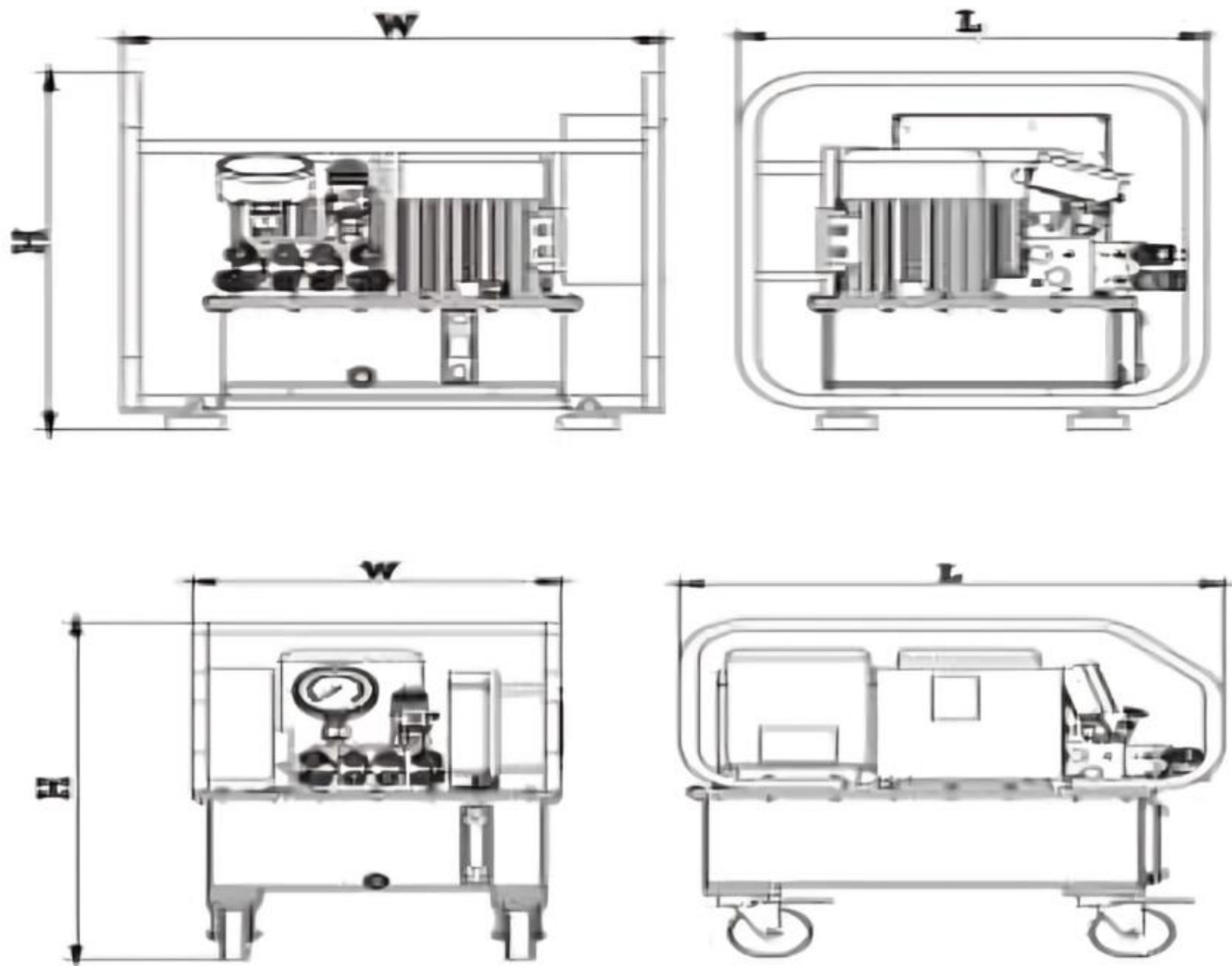
- Pump Flow : 0.98 (P1) lpm + 8 (P3) lpm (Duel Radial Piston Pump)
- Pneumatic Motor : 3 KW, 3000 rpm
- Weight of the Power Pack : 30 Kg w/o oil (approx.)
- Tank Capacity : 5 liter
- Usable Volume : 4 liter
- Max System Pressure (Hydraulic) : 700 bar
- Return Line Pressure : 100 bar
- Unloading Pressure : 70 bar
- Port Sizes : A and B To Suit G ¼" BSPP
- Power Pack is Pneumatically Operated with Controls
- Air Unit Specification :-
 - 1) Air Free Flow (cfm) :- 128-150 cfm,
 - 2) Motor Power (kW) :- 3,
 - 3) RPM :- ~3000



Double Engine High Speed Electric Pump

DHP Series

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



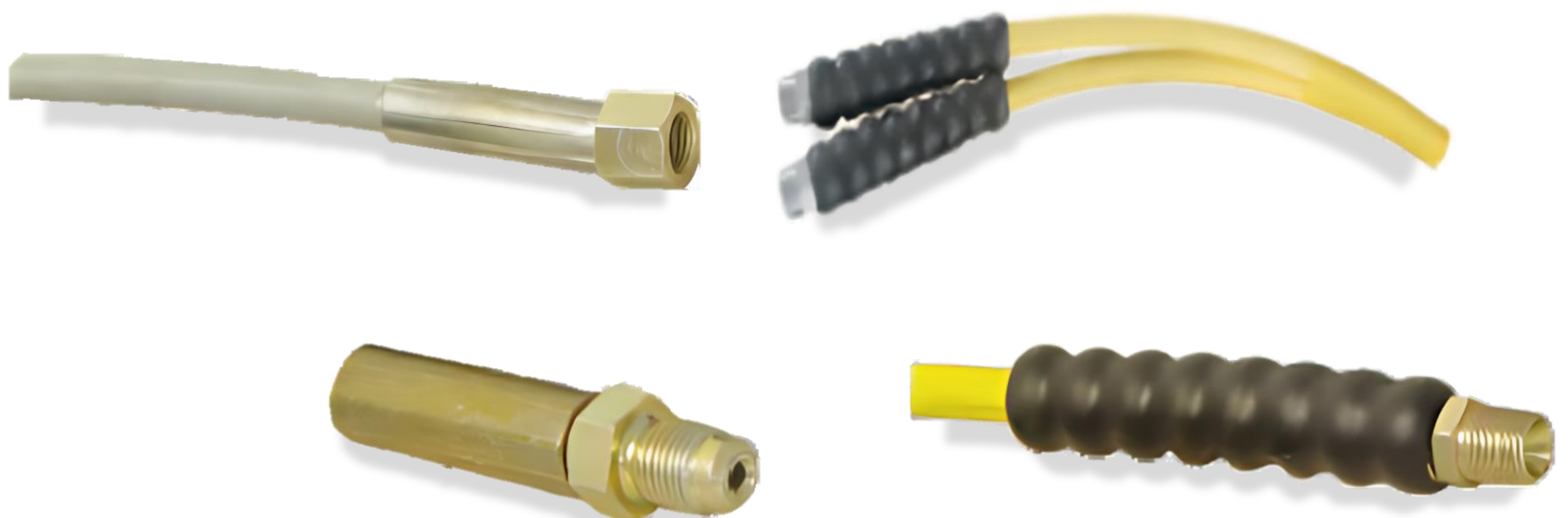
Model	DHP 1.1 KWx2 (220V)		DHP 2.2 KWx2 (380V)	
	DHP-220x4	DHP-220x8	DHP-380x4	DHP-380x8
Working pressure	70 Mpa	70 Mpa	70 Mpa	70 Mpa
Drive	Electric	Electric	Electric	Electric
Voltage	220 V / 50 Hz	220 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz
Power	1.1 KWx2	1.1 KWx2	2.2 KWx2	2.2 KWx2
Tank capacity	13 L	13 L	40 L	40 L
Flow rate	14-3.2-1.6 L/min	14-3.2-1.6 L/min	20-8.2-2.8 L/min	20-8.2-2.8 L/min
Oil cooler	Yes	Yes	Yes	Yes
Weight	59.6 Kg	63.5 Kg	63.5 Kg	68.5 Kg
Oil outputs	8x1/4" NPT	16x1/4" NPT	8x1/4" NPT	16x1/4" NPT
Dimension	500x580x531	500x620x531	650x442x680	650x442x680

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.



Here's how they work:






- 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

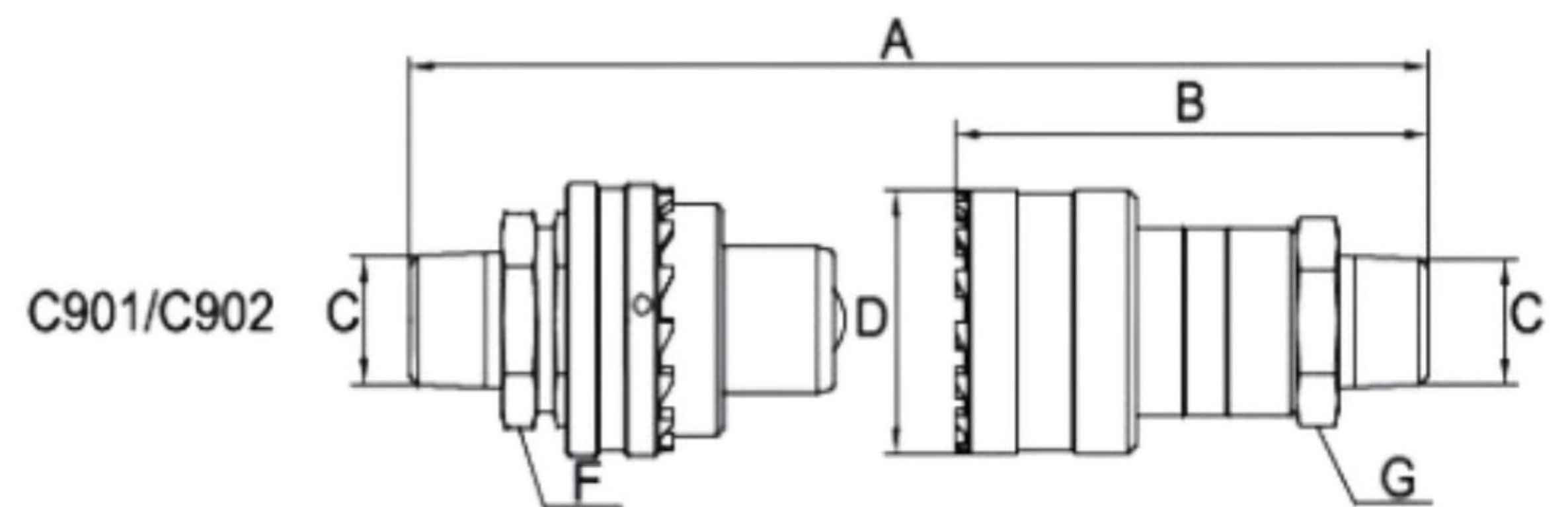
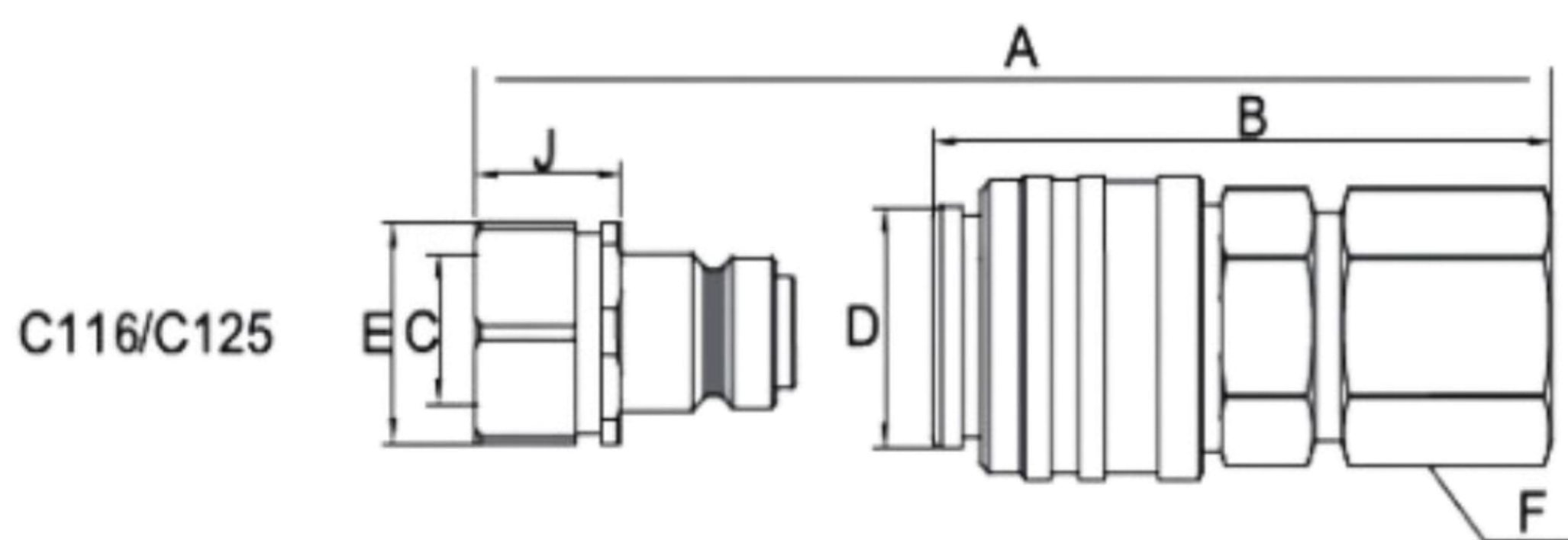
A BOLTORQ Quick Coupler is a device used to rapidly connect and disconnect hydraulic or pneumatic lines in various applications. It typically consists of two main components: a male end and a female end, each equipped with mechanisms to facilitate quick connection and disconnection.



- 3/8' NPT High flow couplers.
- It is standard component on most BOLTORQ Cylinders.
- Featuring 'Push-to-connect' operation.
- 1/4" Regular coupler.



C Series Quick Coupler Dimension



Model & Photograph	Max Operating Pressure	Male Half	Female Half	Connecting	Dimension							
					A	B	C	D	E	F	G	H
C901 	70MPa	C9014	C9013	Spiral Lock	97	61	1/4" NPT	29		22	22	
					97	61	1/4" NPT	29		22	22	
C902 	70MPa	C9022	C9021	Spiral Lock	108	71	3/8" NPT	35		24	24	
					108	71	3/8" NPT	35		24	24	
C116 	150MPa	C1162	C1161	Card Set	81		1/4" BSP		27.5			18.5
					81	61.5	1/4" BSP	28		24		
C125 	200MPa	C1252	C1251	Card Set	82		1/4" BSP		27.5			17.7
					82	64.5	1/4" BSP	30		24		

Digital Type BT-BEW Series

Torque Range 100 Nm to 4000 Nm (73.76 FT Lb. – 2950.2485972 FT Lb.)

The Digital display cordless battery operated electric torque Wrench BTBEW series is a compact design for working in limited spaces or without a power supply. Designed to master any application effortlessly, your ability to torque industrial fasteners is a simple and quick charge away. The BOLTORQ's Lithium Power will provide you with the capability to torque fastenings with no hoses or cords to limit your reach. Within the BOLTORQ is a digital motor vectoring system that provides accurate and repeatable torque throughout each model's full range. BOLTORQ torque Wrenches are easy to use, provide accurate readings and can be set to specific torque values, which is excellent for anyone looking for precision and accuracy. The BOLTORQ tool is the digital, cordless, and lithium-ion battery torque Wrench with digital display and single increment torque settings. The color screen with keypad provides unmistakable visual LED indicator lights.

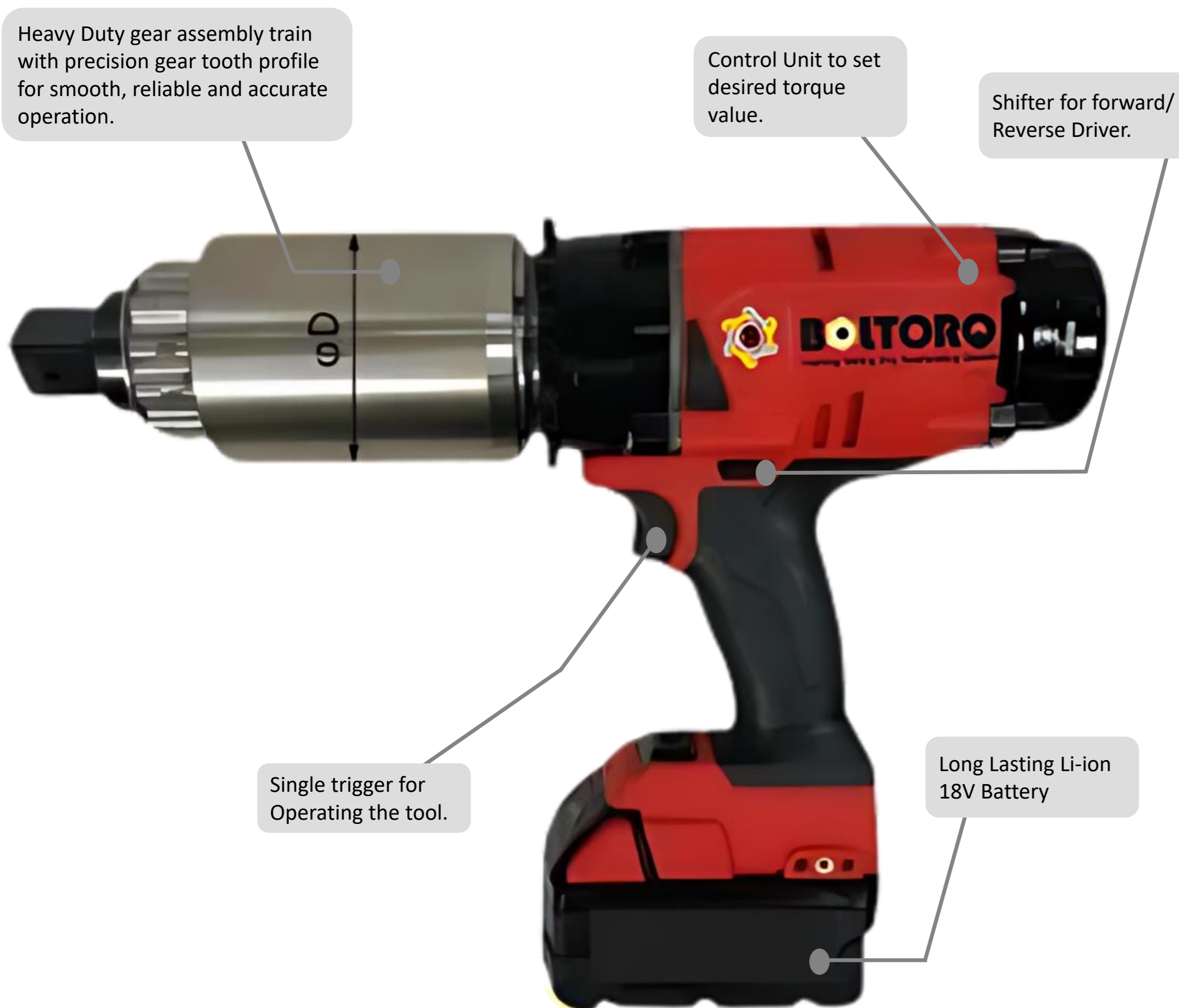
The **Li-ion Battery Pack** supplies power to the tool; for the tool to perform best, ensure the battery is fully charged and in good condition before use.

Note: The application torque, joint hardness, battery condition, age, and operating temperature will affect the actual number of torque cycles per charge.



⚠ Caution

- Only use the li-ion battery pack with the tool system. Using third-party batteries may damage the tool system.
- Keep the li-ion battery pack away from any metal objects. If the battery terminals are connected by a metal object, the battery will short and cause damage to the battery and injury to the operator.



Features

- 1 Hardened alloy steel for durability and long cycle life.
- 2 Multi-stage planetary gear systems with optimized tooth design.
- 3 Smooth rotation of the gearbox housing independent from the Drive handle.
- 4 High-Efficiency Brushless Motor.
- 5 Ergonomic glass-filled Nylon handle with a durable slip-resistant over mold.
- 6 18V Li-ion Battery that provides extended run-time.
- 7 The color screen with user friendly keypad for setting Torque.
- 8 Bearing between stages isolates the Drive when used in all orientations.

TECHNICAL DATA

Model	Torque Wrench	Square Drive	Speed	D	E	L	K	A	B	Weight
	Nm		rpm							
BTBEW-10S	100-1000	3/4"	9	65	180	316	260	110	80	5.1
BTBEW-16S	200-1600	1"	5	69	180	336	260	110	80	5.9
BTBEW-20S	200-2000	1"	4.5	69	180	336	260	110	80	5.9
BTBEW-30S	400-3000	1"	3	82	180	358	260	110	80	6.8
BTBEW-40S	700-4000	1-1/2"	2.4	82	180	358	260	110	80	6.8

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

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

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



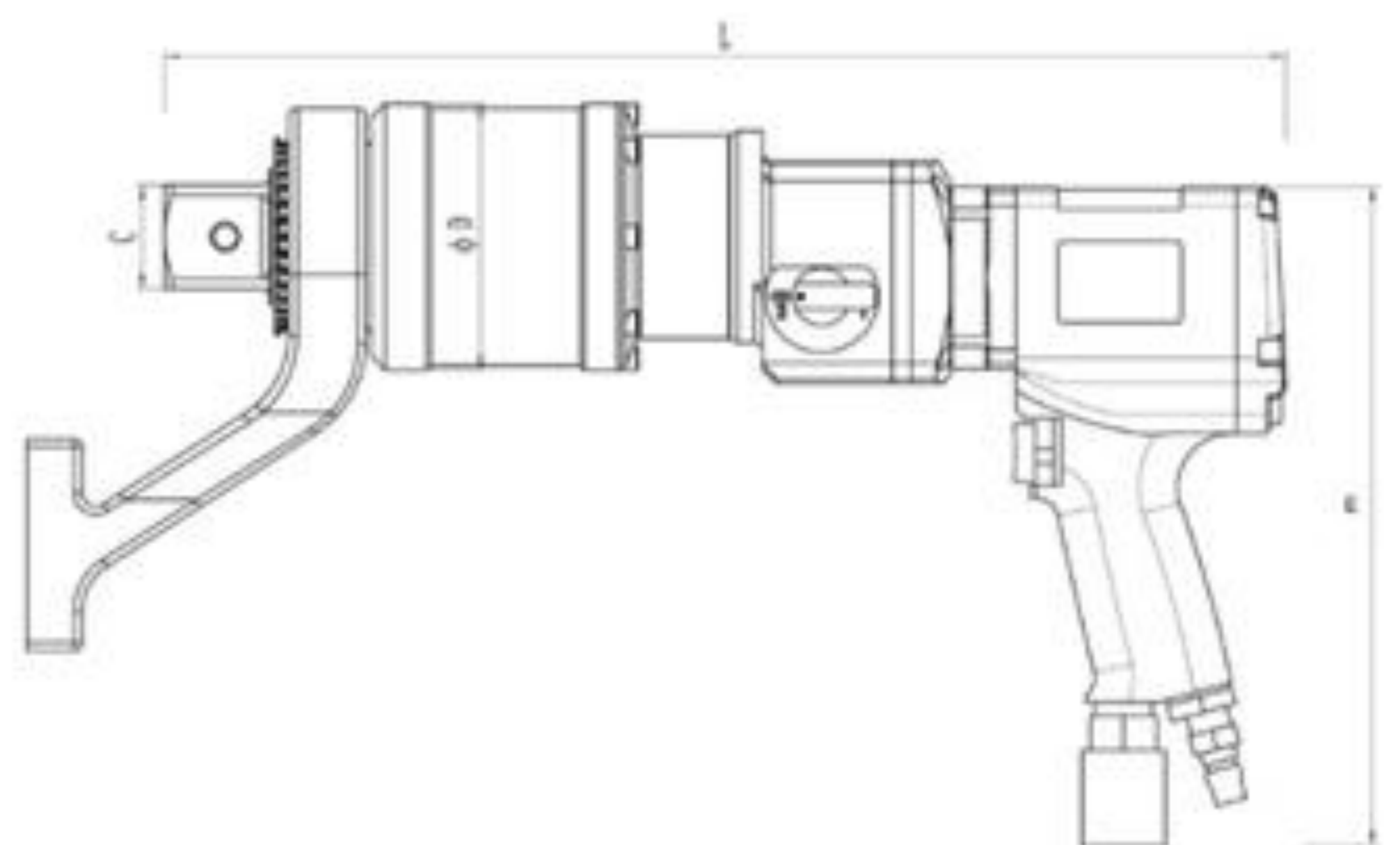
Model	Power Consumption	Current A	Voltage V	Frequency HZ	Ro speed r/min	Torque	Square drive mm	Applicant	Weight
BT-P12	180W	1	220	50	1200	15-60N.m 11-44ft.lbs	12.7*12.7	M10, M12 3/8", 1/2"	2kg
BT-P16	280W	1	220	50	1300	50-150N.m 37-111ft.lbs	12.7*12.7	M14, M16 9/16", 5/8"	3.8kg
BT-P20	540W	2	220	50	1300	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	380-800N.m 280-590ft.lbs	19*19	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

Straight Type BTPV Series

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.

- 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:±5%, repeatability: ±1%.
- Optional digital air register, torque precision:±3%, repeatability: ±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 loosening 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	Weight
	(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

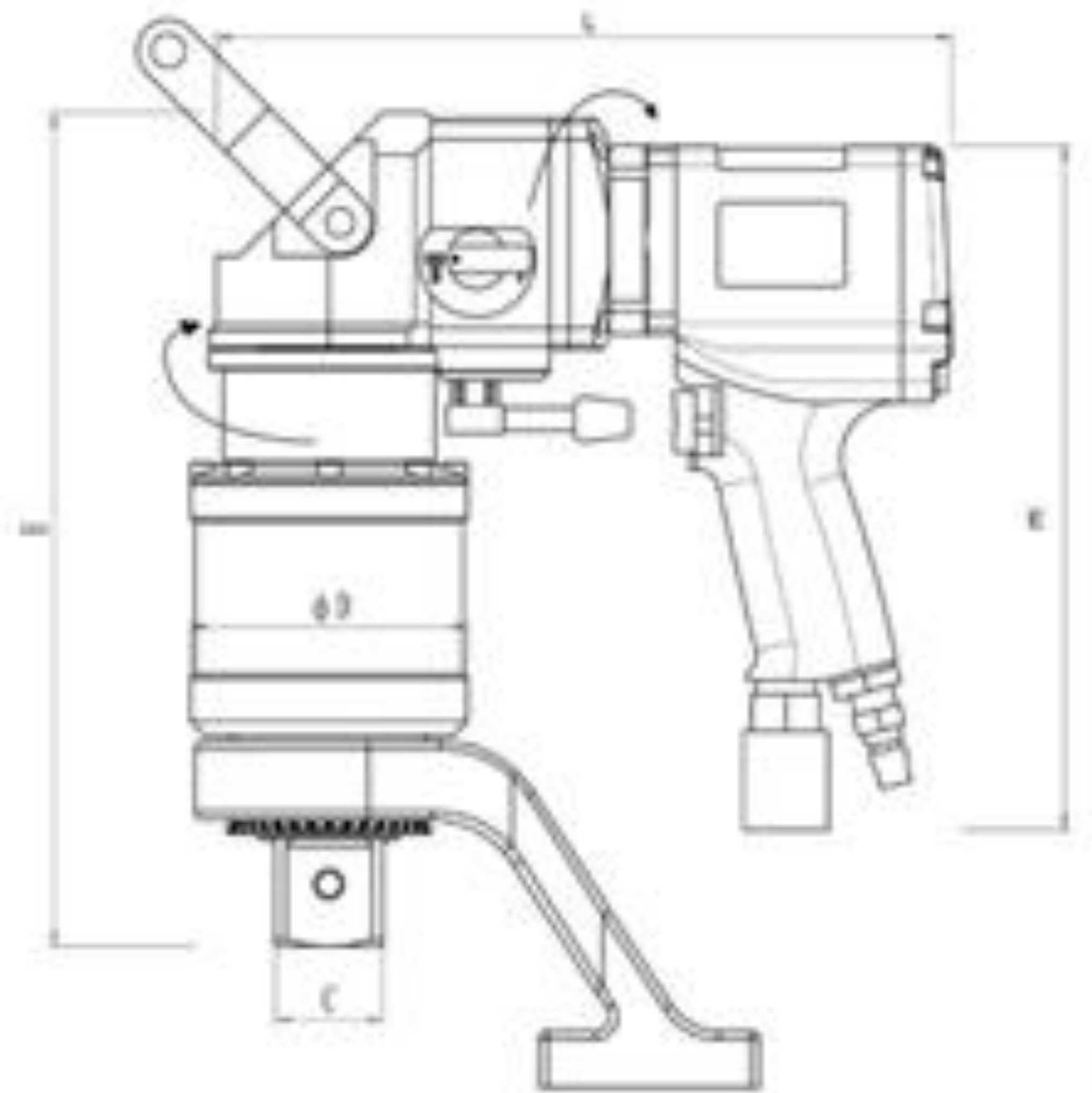
Angled Type BTPA Series

BOLTORQ's BTP SERIES pneumatic torque wrench (digital type), Powered by the reliable INGERSOLL 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.



- 6 Bar compressed air, air consumption under max. power : 600L/min
- Angled type is more suitable for limited working space
- Low noise motor, the noise is much lower
- Torque precision: $\pm 5\%$, repeatability: $\pm 1\%$
- Optional digital air register, torque precision: $\pm 3\%$, repeatability: $\pm 1\%$.
- Shift high/low speed mechanically, greatly promote working efficiency.
- Reaction arm of high strength, anti-easily-broken, adjustable by 360-degree.
- Equipped with brake & cutoff system to protect the operator.
- New ergonomics-design handle, which is freely connected with drive Units and can be rotated, improves operation convenience and comfort.
- 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	H	Non-load Speed	Weight
	(Nm)	C	(mm)	(mm)	(mm)	(mm)	(rpm)	(Kg)
BTP-14A	200-1400	1"	259	186	88	253	22	7.9
BTP-29A	410-2900	1"	259	186	88	274	9	8.7
BTP-40A	560-4000	1-1/2"	259	186	96	294	7	10.4
BTP-62A	870-6200	1-1/2"	259	186	114	329	5	12.3
BTP-120A	1880-12000	1-1/2"	259	186	129	378	2	18.6

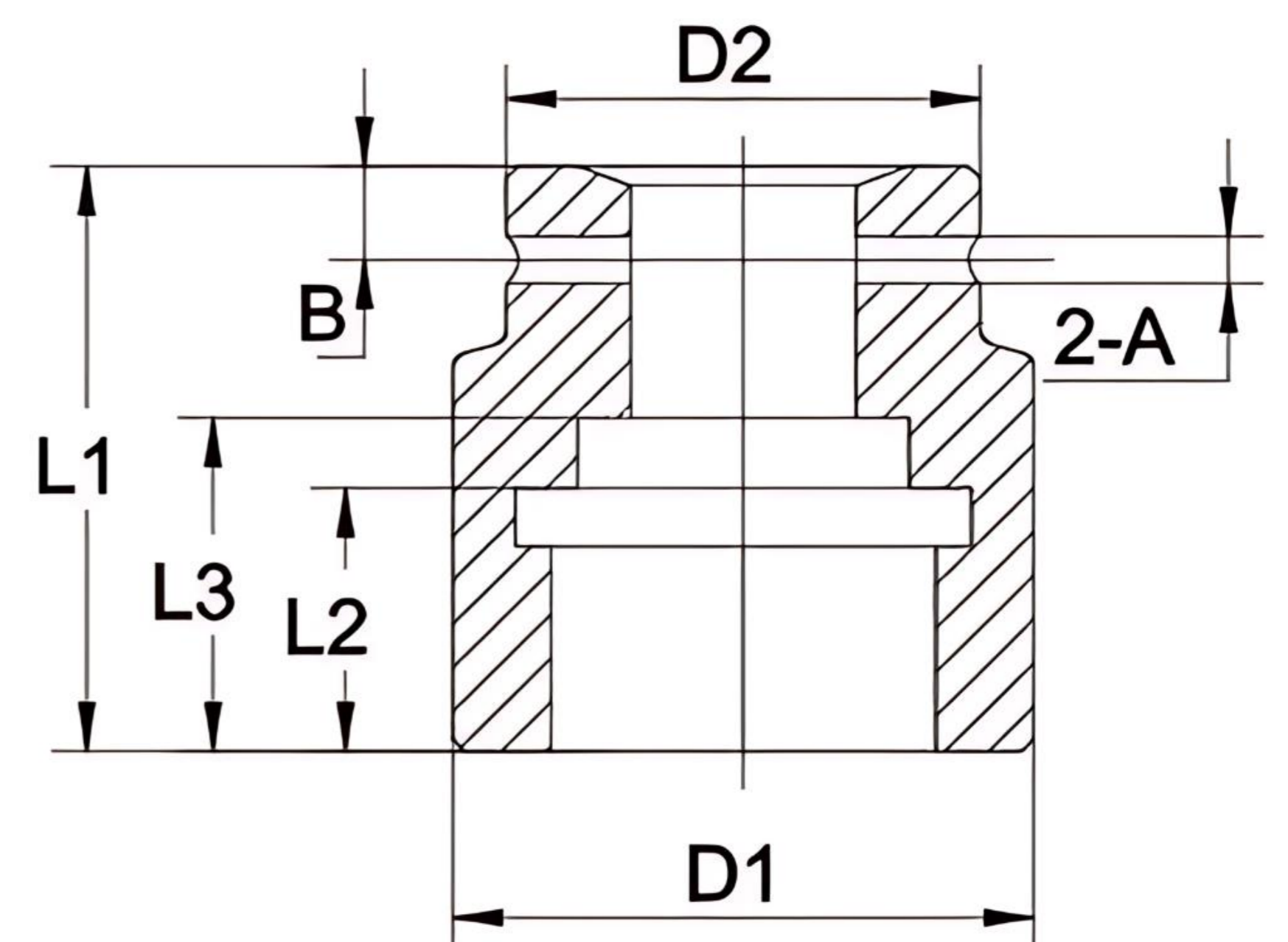
BOLTORQ impact socket is a combination of BOLTORQ torque sensor technology and impact socket, which can reflect the actual torque of the bolt in real time during the bolt tightening process. Through an innovative design, the Smart impact socket - the size of a standard impact socket.

Its small size and innovative technology make the impact socket the perfect calibration tool for checking bolted connections, as well as a calibration device for a variety of torque tools. Works in conjunction with BOLTORQ electric wrenches to guide correct torque and fast bolt tightening.



Characteristics: -

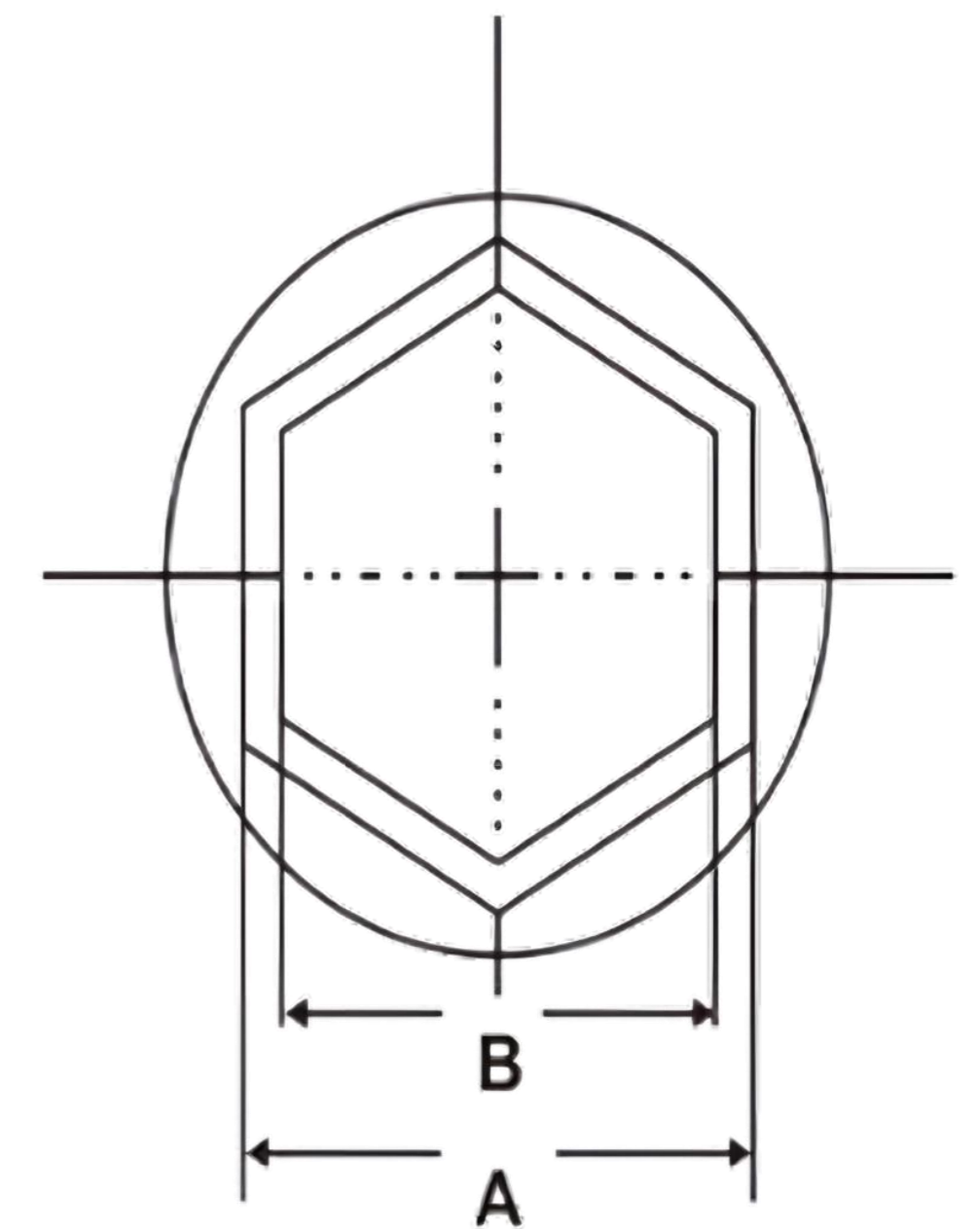
- Standard, Deep and Thin wall Sockets.
- Up to 3.1/2" SQ.DR Impact Sockets Through To 235 MM Across The Flats.
- Wide Variety Of Accessories.
- Optimum strength
- Impeccable finish
- Precisely designed



TECHNICAL DATA

Model		3/4"							1"					1-1/2"					2-1/2"										
D	N	A	B	L1	L2	L3	D1	D2	A	B	L1	L2	L3	D1	D2	A	B	L1	L2	L3	D1	D2	A	B	L1	L2	L3	D1	D2
M16	24	6.3	10	54	32	32	40	40																					
M18	27	6.3	10	54	32	32	42	42																					
M20	30	6.3	10	54	33	33	46	44	8	14	59	32	32	54	54														
M22	34	6.3	10	54	33	33	52	44	8	14	59	32	32	58	58														
M24	36	6.3	10	57	33	33	54	44	8	14	62	32	32	59	59	8	16	85	44	44	74	74							
M27	41	6.3	10	58	33	33	60	44	8	14	65	38	38	67	54	8	16	85	44	44	74	74							
M30	46	6.3	10	63	38	38	66	44	8	14	65	38	38	74	54	8	16	85	44	44	74	74							
M33	50	6.3	10	65	40	40	71	44	8	14	70	43	43	79	60	8	16	90	45	45	79	79							
M36	55	6.3	10	70	45	45	77	54	8	14	80	42	52	84	60	8	16	90	45	45	84	84	8	18	100	57	57	86	114
M39	60								8	14	85	45	57	89	60	8	16	100	45	57	94	75	8	18	100	52	52	119	119
M42	65								8	14	85	45	57	98	70	8	16	100	45	57	98	80	8	18	100	52	52	119	119
M45	70								8	14	90	50	62	104	70	8	16	105	50	62	104	80	8	18	120	67	67	128	128
M48	75								8	14	95	50	65	108	70	8	16	110	50	65	118	85	8	18	120	67	67	128	128
M52	80								8	16	115	55	72	118	90	8	18	130	71	71	128	90	8	18	130	71	71	128	128
M56	85								8	16	125	60	77	128	90	8	18	130	71	71	129	90	8	18	130	71	71	129	129
M60	90								8	16	125	60	77	139	90	8	18	140	61	73	139	90	8	18	140	61	73	139	139
M64	95								8	16	130	65	82	139	90	8	18	140	66	73	139	90	8	18	140	66	73	139	139
M68	100								8	16	135	70	87	144	90	8	18	140	71	81	148	90	8	18	140	71	81	148	130
M72	105								8	16	135	70	87	149	90	8	18	150	77	89	156	90	8	18	150	77	89	156	130
M76	110								8	16	135	70	87	158	90	8	18	150	72	90	158	90	8	18	150	72	90	158	130
M80	115								8	16	135	70	87	159	95	8	18	150	82	98	168	95	8	18	150	82	98	168	130
M85	120								8	16	135	70	87	168	95	8	18	150	82	98	178	95	8	18	150	82	98	178	130
M90	130								8	16	155	93	105	189	95	8	18	170	93	114	189	95	8	18	170	93	114	189	130
M95	135								8	18	170	93	114	198	130	8	18	170	93	114	198	130	8	18	170	93	114	198	130
M100	145								8	18	170	98	122	210	152	8	18	170	98	122	210	152	8	18	170	98	122	210	152
M105	150								8	18	190	100	140	216	152	8	18	190	100	140	216	152	8	18	190	100	140	216	152
M110	155								8	18	190	100	140	229	152	8	18	190	100	140	229	152	8	18	190	100	140	229	152
M115	165								8	18	190	100	140	241	152	8	18	190	100	140	241	152	8	18	190	100	140	241	152

BOLTORQ Reducer Inserts are components used in various mechanical systems to adapt or change the size of a connection or component. They are commonly used in plumbing, piping, and mechanical applications where there is a need to transition between different sizes of pipes, fittings, or connectors.



TECHNICAL DATA

Nut Size (S)	Reducer Insert						Locking ring
	Type	A/B (mm)	Type	A/B (mm)	Type	A/B (mm)	
50	HR5041	50/41	HR5036	50/36	HR5032	50/32	H-50
46	HR4636	46/36	HR4632	46/32	HR4630	46/30	H-46
41	HR4132	41/32	HR4130	41/30	HR4127	41/27	H-41
36	HR3630	36/30	HR3627	36/27			H-36
32	HR3227	32/27					H-32
30							
27							
65	HR6555	65/55	HR6550	65/50	HR6546	65/46	H-65
60	HR6050	60/50	HR6046	60/46	HR6041	60/41	H-60
55	HR5546	55/46	HR5541	55/41	HR5536	55/36	H-55
50	HR5041	50/41	HR5036	50/36	HR5032	50/32	H-50
46	HR4636	46/36	HR4632	46/32	HR4630	46/30	H-46
41	HR4132	41/32	HR4130	41/30	HR4127	41/27	H-41
36	HR3630	36/30	HR3627	36/27			H-36
32	HR3227	32/27					H-32
30							
27							
90	HR9080	90/80	HR9075	90/75	HR9070	90/70	H-90
85	HR8575	85/75	HR8570	85/70	HR8565	85/65	H-85
80	HR8070	80/70	HR8065	80/65	HR8060	80/60	H-80
75	HR7565	75/65	HR7560	75/60	HR7555	75/55	H-75
70	HR7060	70/60	HR7055	70/55	HR7050	70/50	H-70
65	HR6555	65/55	HR6550	65/50	HR6545	65/45	H-65
60	HR6050	60/50	HR6046	60/46			H-60
55	HR5546	55/46	HR5541	55/41			H-55
50							
115	HR115105	115/105	HR115100	115/100	HR11595	115/95	H-115
110	HR110100	110/100	HR11095	110/95	HR11090	110/90	H-110
105	HR10595	105/95	HR10590	105/90	HR10585	105/85	H-105
100	HR10090	100/90	HR10085	100/85	HR10080	100/80	H-100
95	HR9585	95/85	HR9580	95/80	HR9575	95/75	H-95
90	HR9080	90/80	HR9075	90/75	HR9070	90/70	H-90
85	HR8575	85/75	HR8570	85/70	HR8565	85/65	H-85
80	HR8070	80/70	HR8065	80/65			H-80
75	HR7565	75/65					H-75
70							
65							
155	HR155145	155/145	HR155130	155/130	HR155120	155/120	H-155
145	HR145130	145/130	HR145120	145/120	HR145115	145/115	H-145
130	HR130120	130/120	HR130115	130/115	HR130110	130/110	H-130
120	HR120110	120/110	HR120105	120/105	HR120100	120/100	H-120
115	HR115105	115/105	HR115100	115/100	HR11595	115/95	H-115
110	HR110100	110/100	HR11095	110/95	HR11090	110/90	H-110
105	HR10595	105/95	HR10590	105/90	HR10590	105/90	H-105
100	HR10090	100/90	HR10085	100/85	HR10080	100/80	H-100
95	HR9585	95/85	HR9580	95/80			H-95
90	HR9080	90/80					H-90
85							
80							

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	Torque Wrench	Tension Range	CA	Weight (Main Body)	Adaptable Bolts Dia
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")

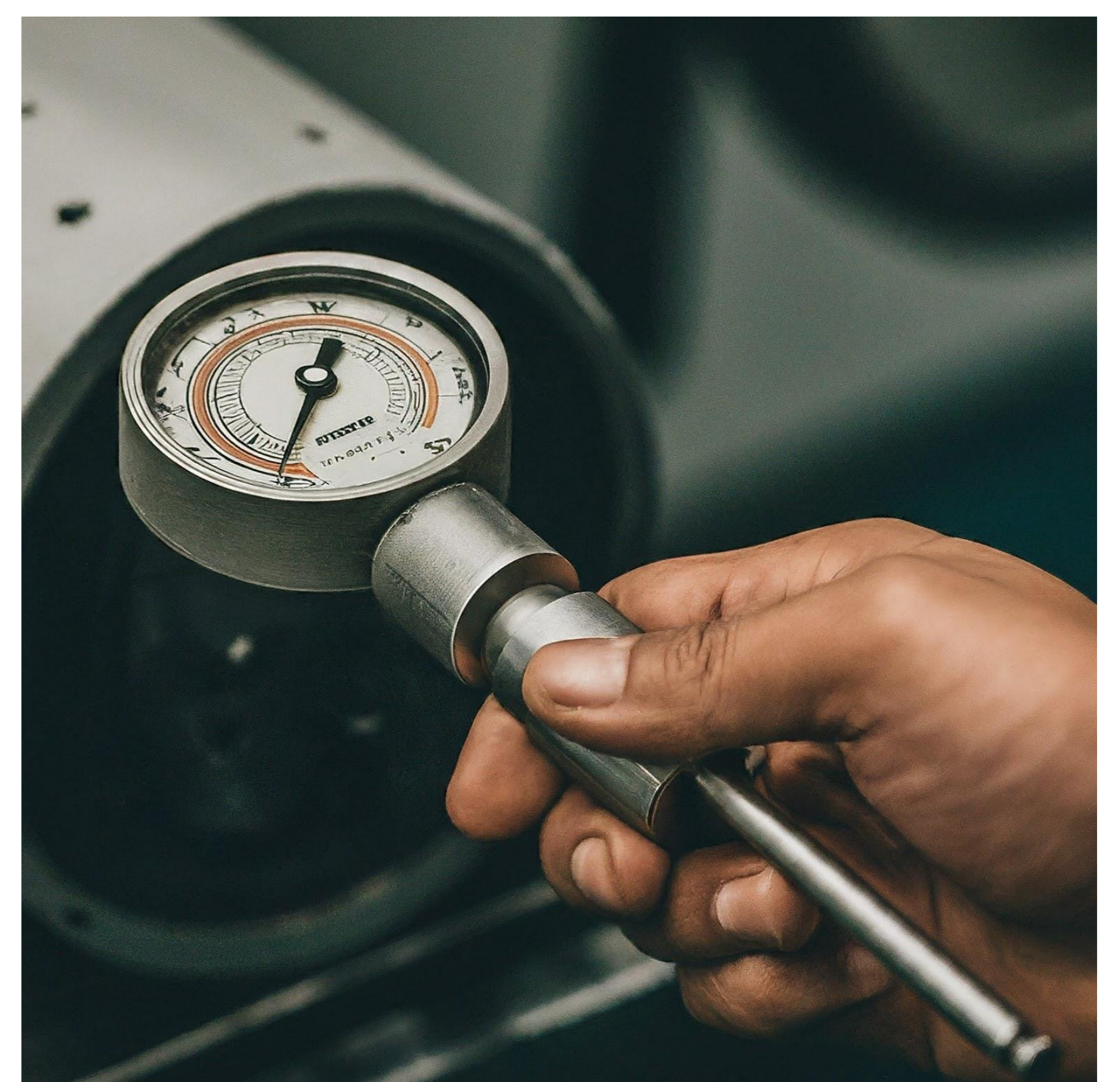
Manual Calibrator BT-S Series

A Manual Torque Calibrator Machine is a device used to measure and calibrate torque wrenches and other torque tools manually, without digital assistance. It typically consists of a torque sensor, a display for torque readings, 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 manually using a torque adjustment mechanism.
- Torque is applied to the tool being calibrated using a manual handle or lever.
- The machine measures the torque applied and displays the reading on the torque display.
- The operator compares the displayed torque reading to the set value and makes adjustments to the torque tool if necessary.
- The process is repeated for various torque settings to ensure the tool's accuracy across its range.



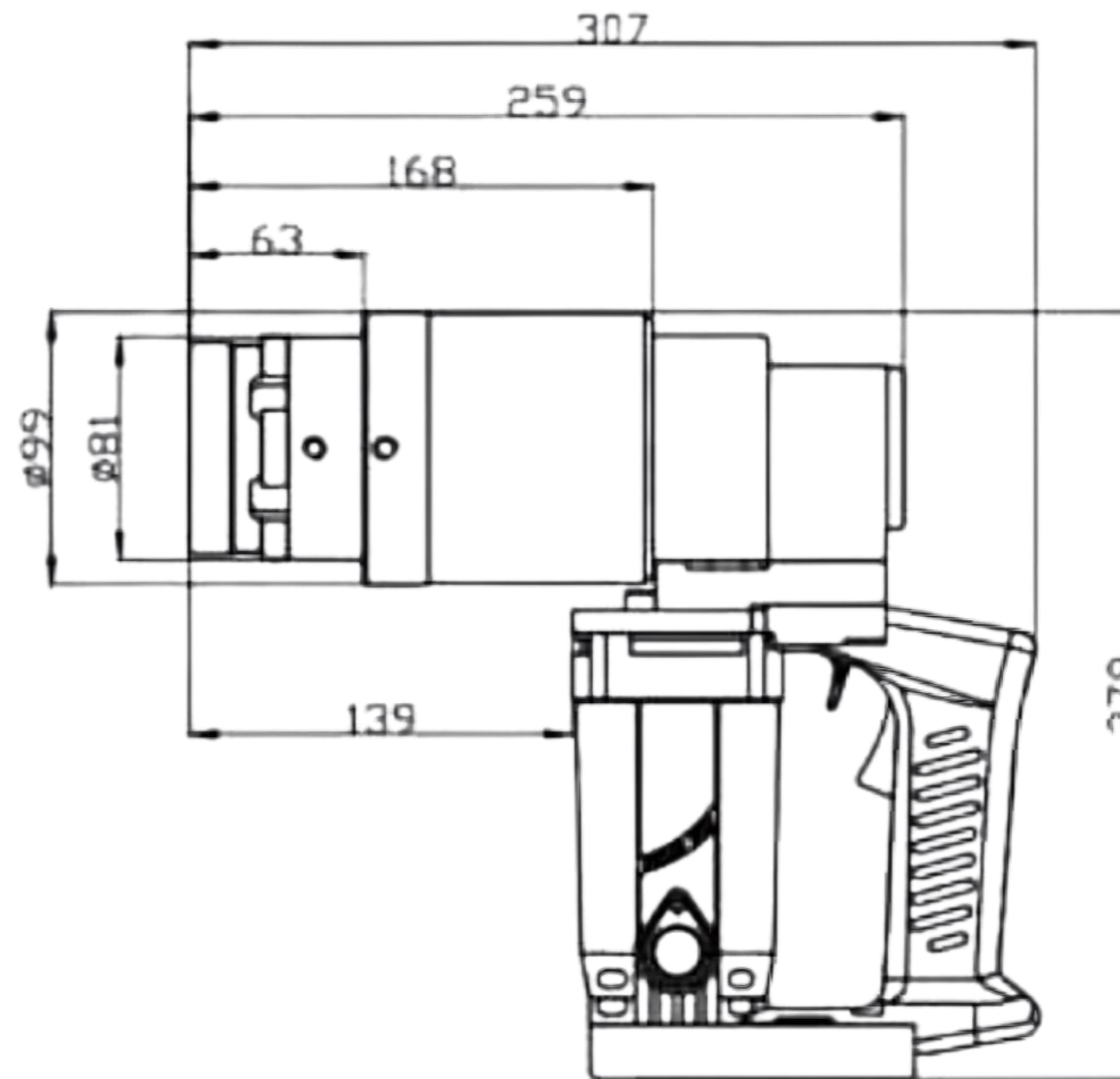
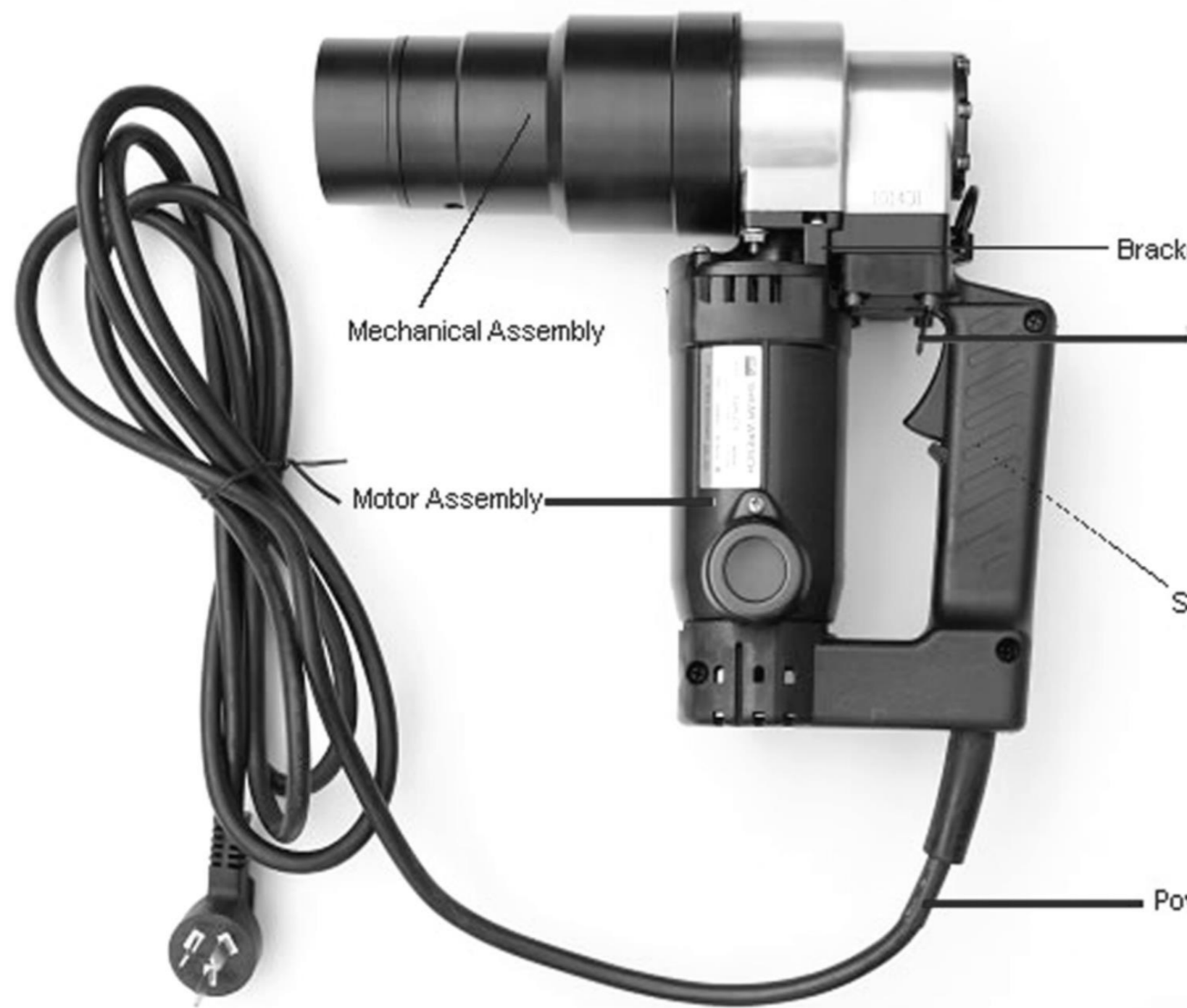
In short, a Manual Torque Calibrator Machine relies on manual adjustment and operation to measure and calibrate torque tools accurately.

Model	Torque	Square Drive mm	Division Value N.m	Weight	Dimension mm
BT-S5	0-5N.m 0-3.7ft.lbs	6.3*6.3	0.05	0.8	275*68*58
BT-S10	0-10N.m 0-74ft.lbs	9.5*9.5	0.10	0.7	275*68*58
BT-S30	0-30N.m 0-19ft.lbs	9.5*9.5	0.25	0.7	275*68*58
BT-S50	0-50N.m 0-37ft.lbs	12.7*12.7	0.5	0.8	305*68*70
BT-S100	0-100N.m 0-74ft.lbs	12.7*12.7	1	0.8	305*68*70
BT-S200	60-200N.m 44-221ft.lbs	12.7*12.7	2	1.7	600*68*76
BT-S300	90-30N.m 66.4-191ft.lbs	12.7*12.7	3	1.7	600*68*76
BT-S500	150-500N.m 111-369ft.lbs	19*19	5	4	900*68*97
BT-S750	250-750N.m 185-553ft.lbs	19*19	5	4	900*68*97
BT-S1000	200-1000N.m 148-738ft.lbs	19*19	10	6	900*68*103
BT-S2000	600-2000N.m 443-1476ft.lbs	25.4*25.4	20	9	900*68*103

BT Series

BOLTORQ BT-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	FREQ	Voltage	Max Current	Max Torque	Max power Consumption	RO Speed	Weight	Adaptable Bolts Dia		
								S-10T	A325	A490
BT-22	50-60Hz	230V/11 5V	8A/16A	900N.m	1800W	20rpm	5KG	M16 M20 M22	5/8" 3/4" 7/8"	5/8" 3/4" 7/8"
BT-24	50-60Hz	230V/11 5V	8A/16A	1200N. m	1800W	9rpm	5.5Kg	M16 M20 M22 M24	5/8" 3/4" 7/8" 1"	5/8" 3/4" 7/8" 1"
BT-30	50-60Hz	230V/11 5V	12A/14A	2500N. m	2800W	5rpm	8.7KG	M24 M27 M30	M24 M27 M30	-

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



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 Consumption	Current A	Voltage V	Frequency HZ	Ro Speed r/min	Max Torque	Applicate	Weight
BT-22C	1000W	5	220	50-60	17	733N.m 540ft.lbs	M16 M20 M22 5/8" 3/4" 7/8"	4.9kg
BT-24C	1250W	6	220	50-60	15	1180N.m 871ft.lbs	M16 M20 M22 M24 5/8" 3/4" 7/8" 1"	8.8kg
BT-30C	1250W	6	220	50-60	5.5	2100N.m 1548ft.lbs	M27 M30 1-1/8" 1-1/4"	11kg

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



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:

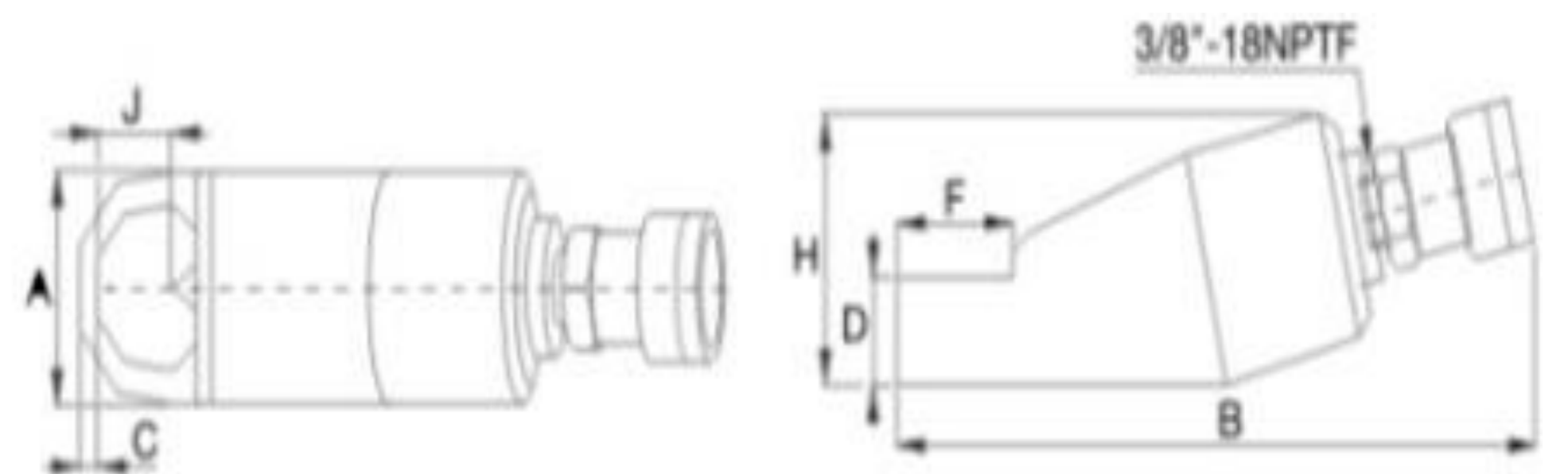
Capacity:5-90Ton Bolt
Range:M6-M48 Max
Pressure:700bar

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, petrochemical, steel construction, mining, etc.



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

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.

BTSS Series

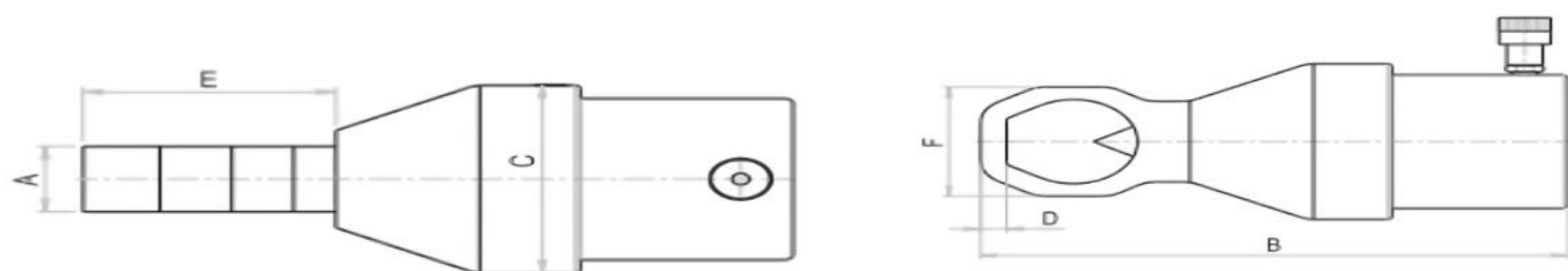
BOLTORQ-BTSS series straight head hydraulic nuts splitter widely used in the industrial manufacture are placed in the open air and high temperature or corrosive environment. Some are fastened by rust and some screw threads are damaged by bumping, so the nut dismantling is very difficult. The usually 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:5-90Ton Bolt
Range:M10-M90 Max
Pressure:700bar

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, petrochemical, 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								
BTSS -1636	M10-M24	3/8"-7/8"	16-36	11/16"-1 7/16"	38	271	105	10	92	66	11	BHPA 3P4-2-1.4
BTSS-3651	M24-M33	7/8"- 1 1/4"	36-51	1 7/6"-2"	38	287	108	13	109	86	12	BHPA 3P4-2-1.4
BTSS-4660	M30-M39	1 1/8"-1 1/2"	46-60	1 13/16"-2 3/8"	57	386	164	15	125	102	35	BHPA 3P4-2-1.4
BTSS-5570	M36-M45	1 3/8"- 1 3/4"	55-70	2 13/16"-2 3/4"	57	407	164	18	145	115	36	BHPA 3P4-2-1.4
BTSS-7090	M45-M60	1 3/4"-2 1/4"	70-90	2 3/4"-3 1/2"	78	465	214	22	154	146	78	BHPA 394-2-2
BTSS-80100	M52-M68	2"-2 1/2"	80-100	3 1/8"-3 7/8"	80	487	214	22	162	160	79	BHPA 394-2-2
BTSS-95108	M64-M72	2 1/2"-2 3/4"	95-108	3 7/8"-4 1/4"	95	579	250	29	185	192	123	BHPA 394-2-3
BTSS-105127	M72-M80	2 3/4"-3 1/4"	105-115	4 1/4"- 5"	105	590	250	29	185	229	135	BHPA 394-2-3
BTSS-115136	M80-M90	3 1/4"-3 1/2"	115-130	5"-5 3/8"	105	601	250	33	198	238	138	BHPA 394-2-3

Usage: -

1. Designed to safely split seized/corroded nuts up to 44 HRC without damaging the bolt/stud by controlling the chisel movement.
2. Compact & straight head design with spring return piston.
3. Worn out chisel can be re-sharpened or replaced.
4. Useful where hot work is prohibited.

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.

USED IN: Standard Kit / Maxi Kit are used for shutdown, testing, pipe line maintenance, commissioning etc...

FEATURES:

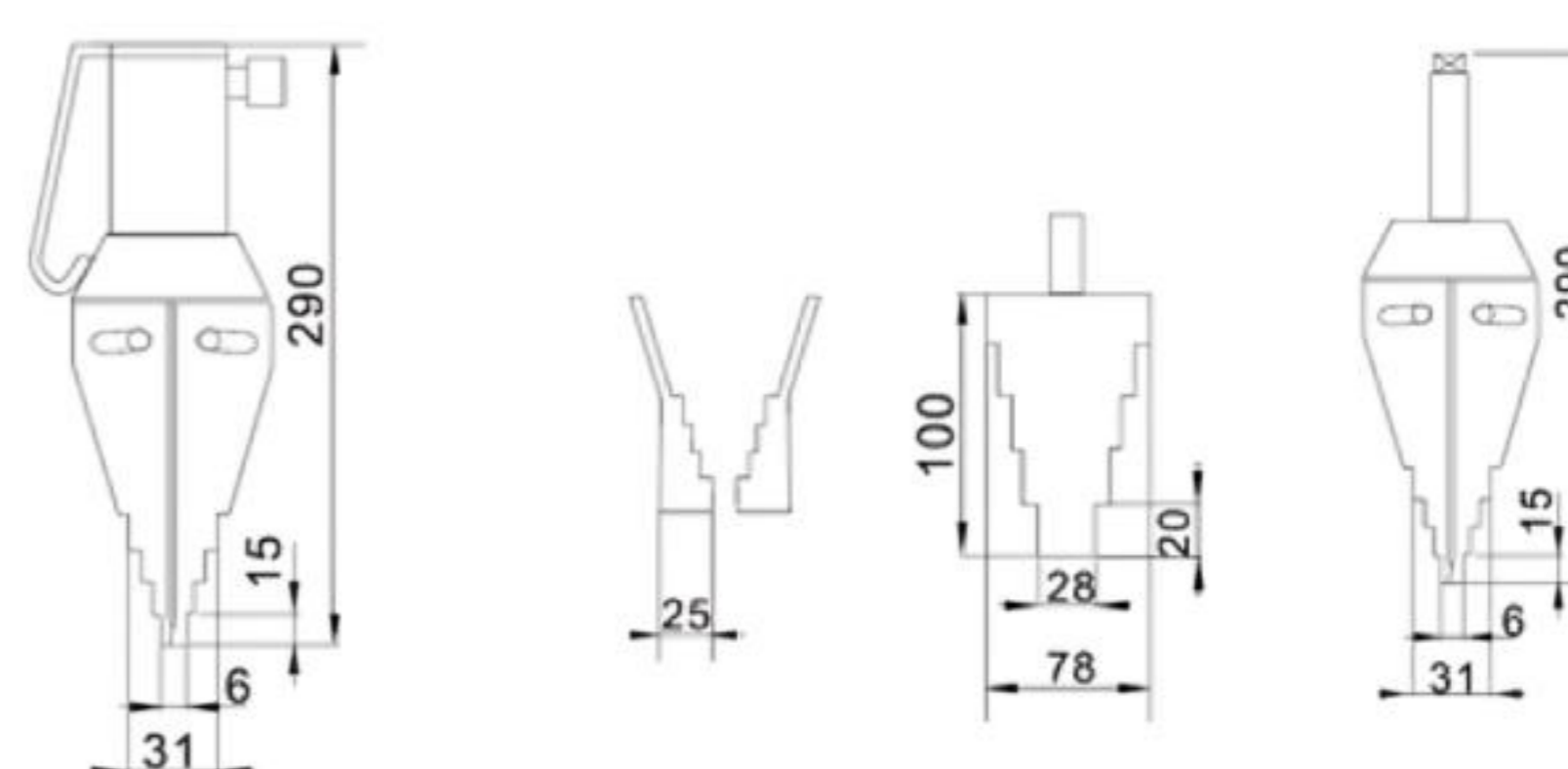
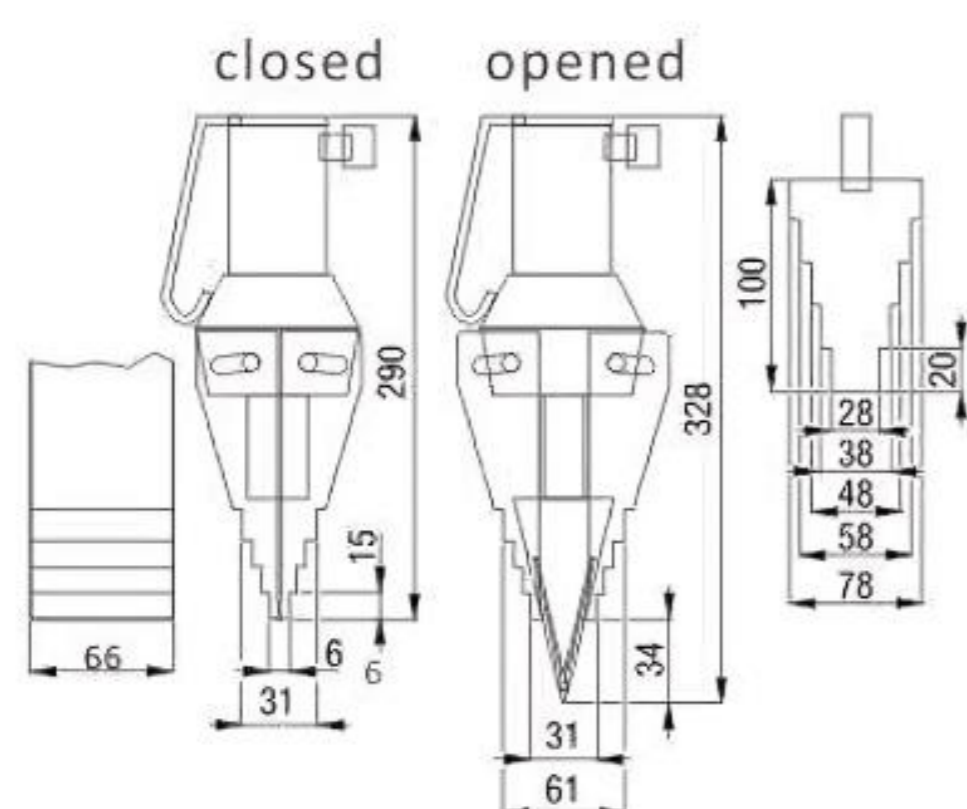
- Operated by hydraulic pump with rated pressure of 700 bar (10 000 psi) hydraulic pressure applied
- Required very small access gap of only 6mm
- Each step spreading distance is 20mm
- Maximum spreading distance is 61mm
- Use stepped blocks to increase wedge opening up to 81 mm
- Includes Safety blocks
- Supplied with 3/8 male coupler and dust cap
- Safe and reliable hydraulic system



SPREADING FORCE:

with 700 bar (10 000 psi) hydraulic pressure applied: 14 ton (140 KN) per tool

Model	Maximum Spread	Tip Clearance	Maximum Spread	Maximum wt. Spread blocks	Tool Weight
BTFS-14	14 (140 KN)	6mm	61mm	80mm	9.0 kg (15.4 lb)



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.

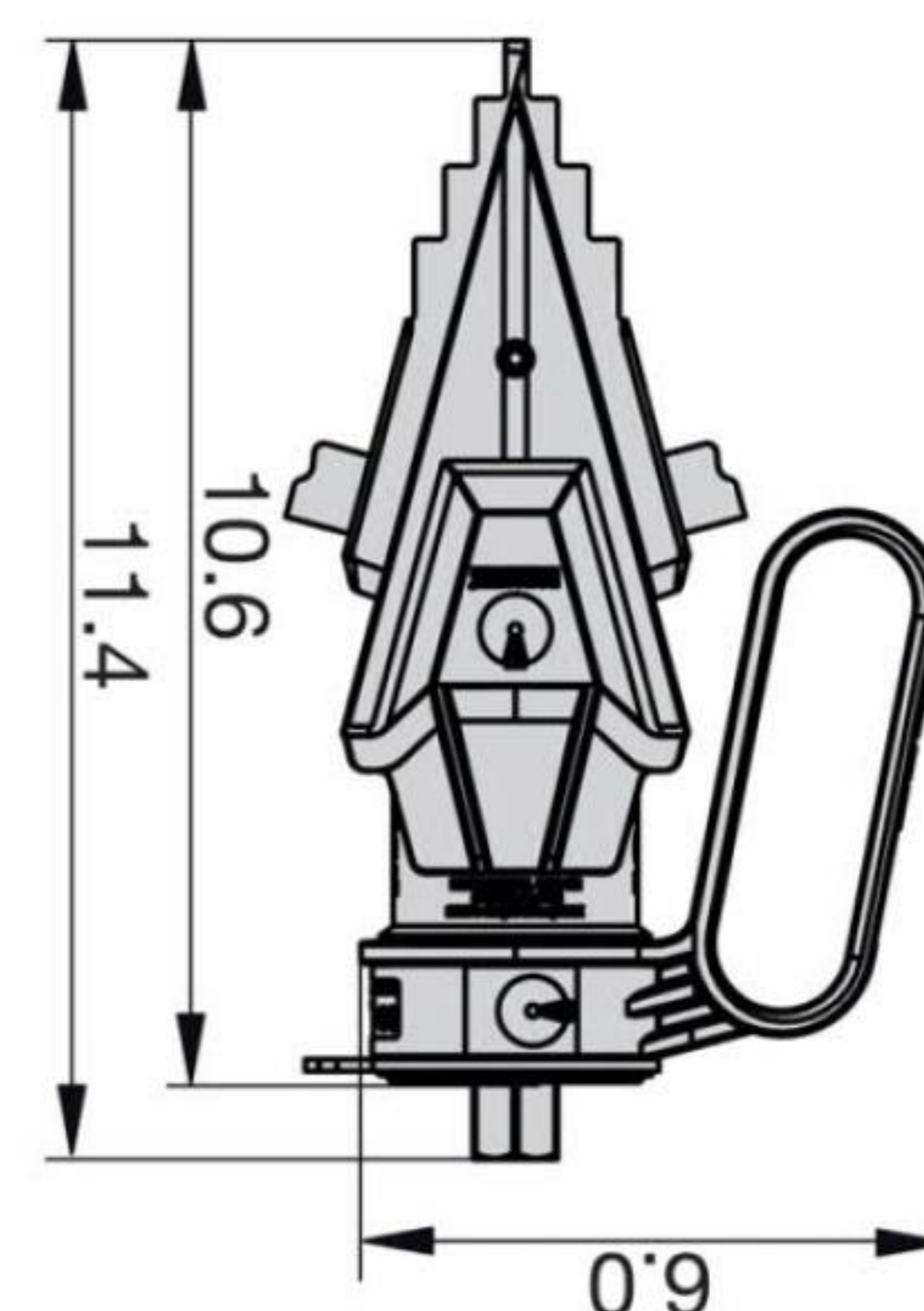
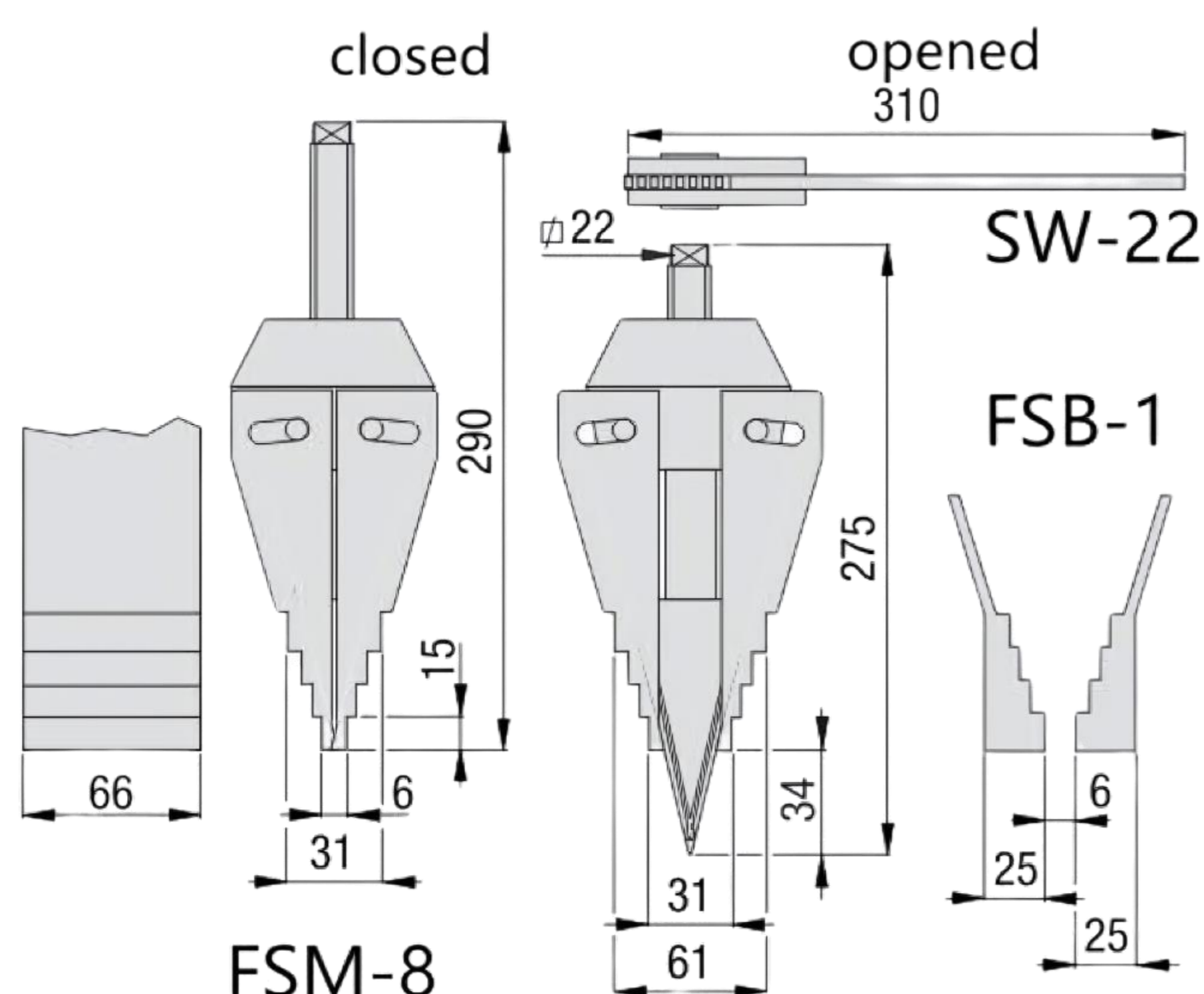


BTFSM Series

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



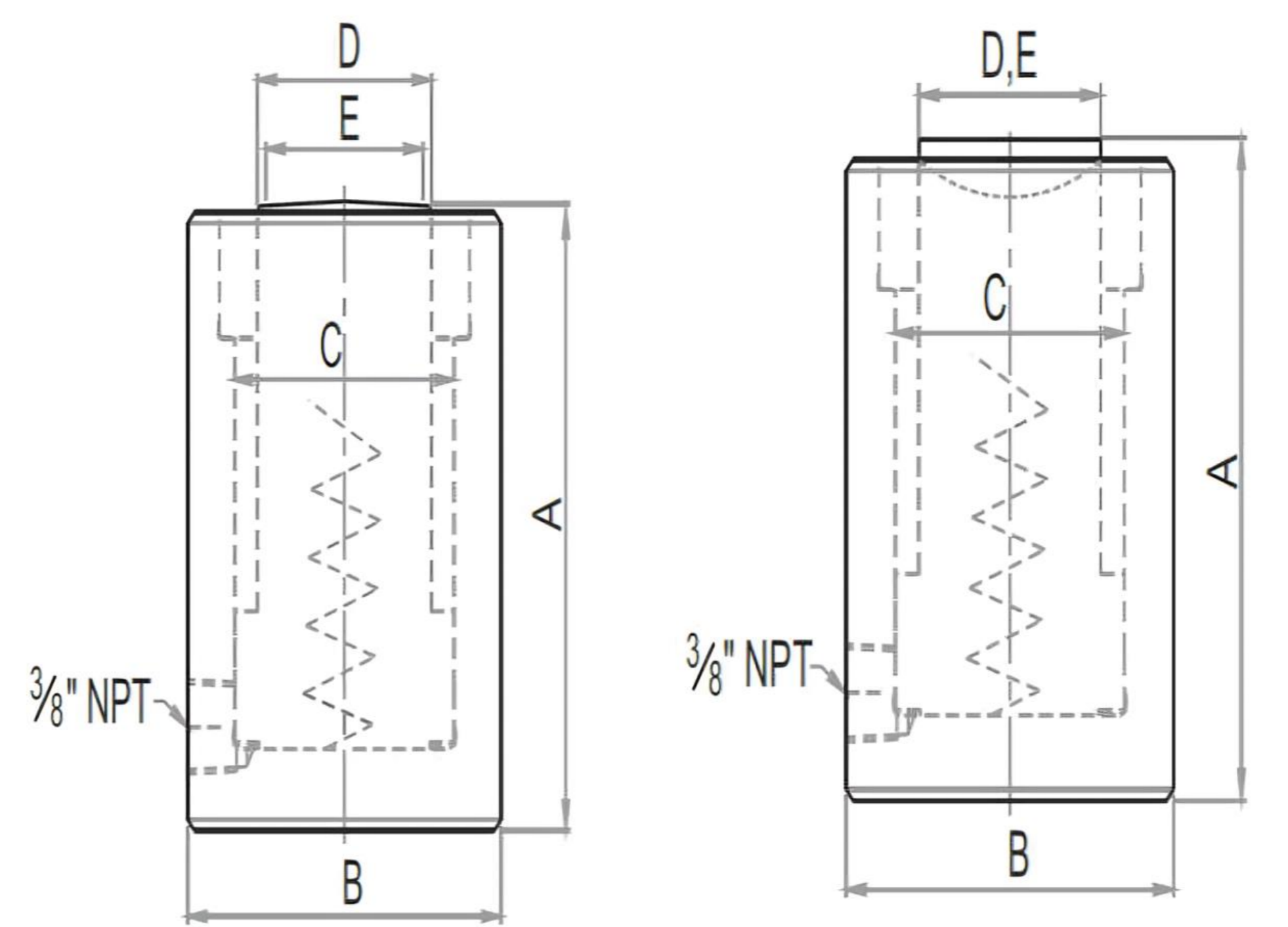
Model	Maximum Spread	Power Source	Maximum Spreading Force	Capacity	Tip Clearance	Weight
BTFSM-8	80mm/3.16in	Mechanical	8T/72kN	8 Ton	6mm/0.24in	6.5kg/14.3lbs
BTFSM-14	103.5mm/4.1in	Mechanical	175Nm/130Ft.lbs	14 Ton	6mm/0.24in	6.5kg/14.3lbs

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 off-center 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 (ton)	Capacity @ 700 bar (kN)	Stroke (mm)	Effective area (cm ²)	Oil Cap. (cc)	A	B	C	D	E	Wt. Approx. (kg)	Model	E	Wt. Approx. (kg)
						Closed Height (mm)	Cylinder OD (mm)	Bore dia. (mm)	Ram dia. (mm)	Saddle dia. (mm)			Saddle dia. (mm)	
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

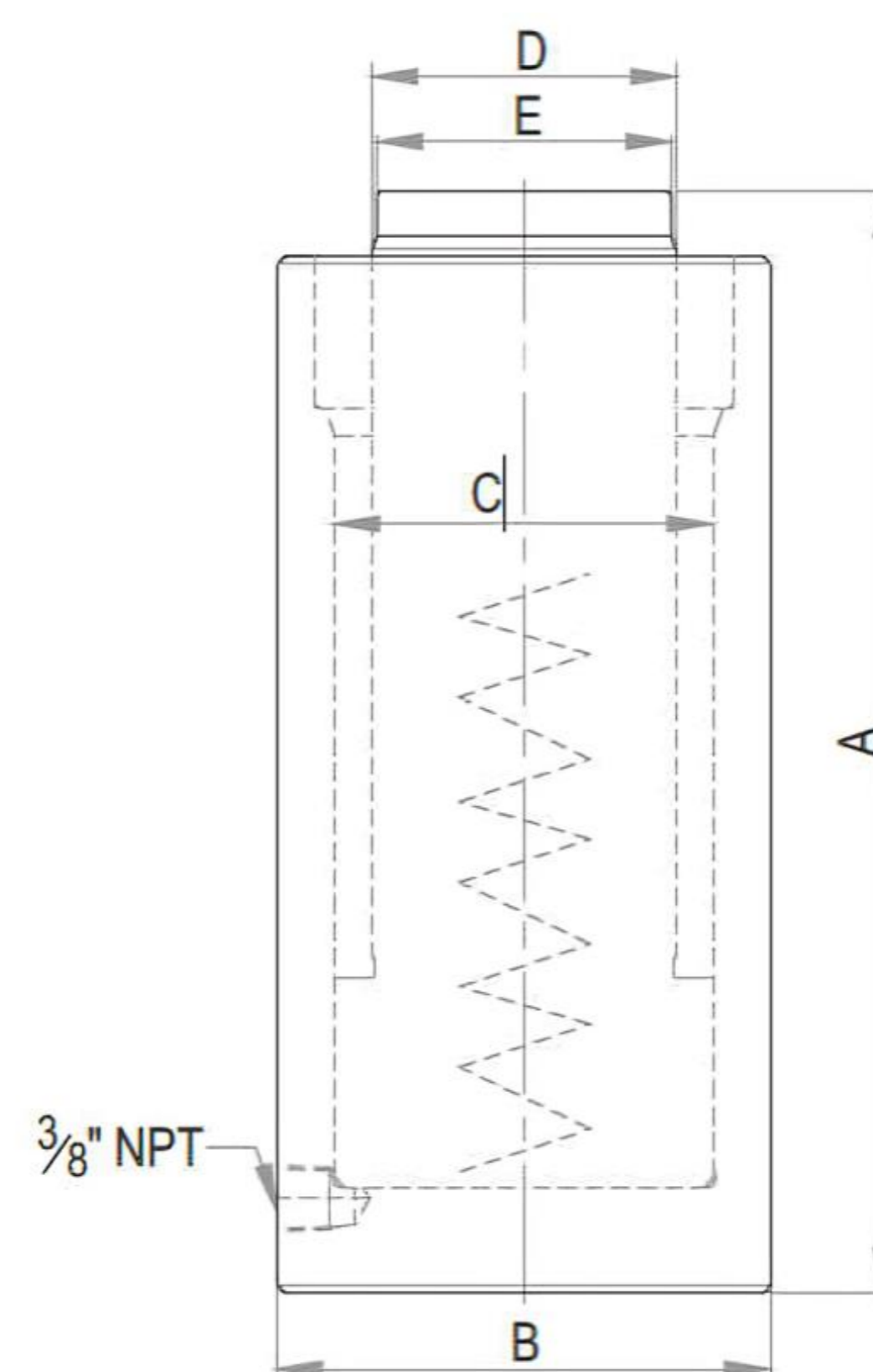
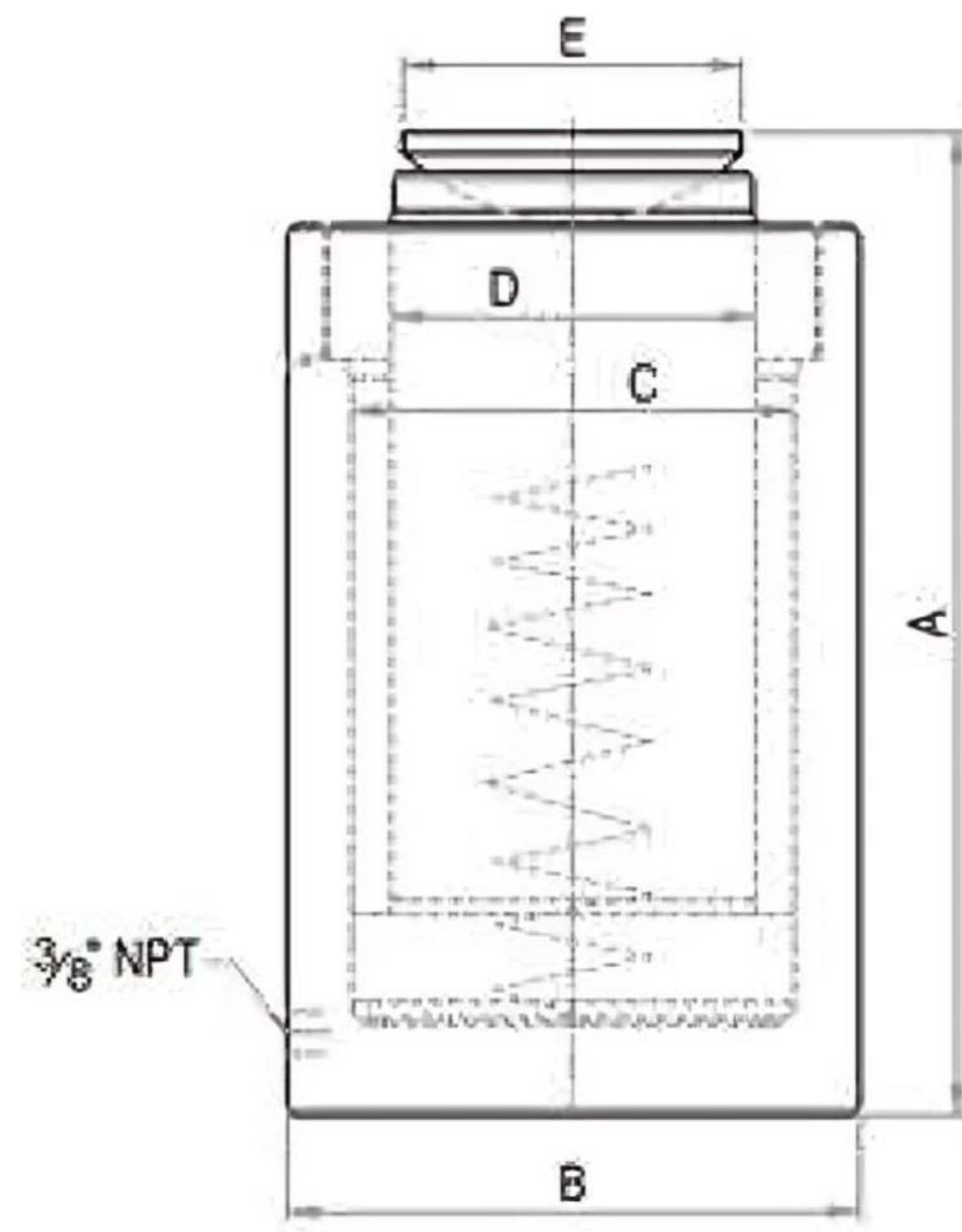
Low Height Jacks BTSL/BTSLS Series

Model	Rated capacity (ton)	Capacity @700 bar (kN)	Stroke (mm)	Effective area (cm ²)	Oil cap. (cc)	A	B	C	D	E	Wt. Approx. (kg)	Model	A	Wt. (Approx.) (kg)
						Closed Height (mm)	Cylinder OD (mm)	Bore dia. (mm)	Ram dia. (mm)	Saddle dia. (mm)			Closed Height (mm)	
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	180	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 250-100	250	2661	100	380.1	3801	270	280	220	180	177	114	BTSPS 250-100	270	114
BTSP 250-150	250	2661	150	380.1	5702	320	280	220	180	177	133	BTSPS 250-150	320	133
BTSP 250-200	250	2661	200	380.1	7603	370	280	220	180	177	152	BTSPS 250-200	370	152
BTSP 300-100	300	3167	100	452.4	4524	285	310	240	200	196	149	BTSPS 300-100	285	149
BTSP 300-150	300	3167	150	452.4	6786	335	310	240	200	196	173	BTSPS 300-150	335	173
BTSP 300-200	300	3167	200	452.4	9048	385	310	240	200	196	197	BTSPS 300-200	385	197
BTSP 400-100	400	4008	100	572.6	5726	315	350	270	220	216	209	BTSPS 400-100	315	209
BTSP 400-150	400	4008	150	572.6	8588	365	350	270	220	216	239	BTSPS 400-150	365	239
BTSP 400-200	400	4008	200	572.6	11451	415	350	270	220	216	269	BTSPS 400-200	415	269
-	500	4948	100	706.9	7069	-	400	300	250	230	-	BTSPS 500-100	365	295
-	500	4948	150	706.9	10603	-	400	300	250	230	-	BTSPS 500-150	415	335.5
-	500	4948	200	706.9	14137	-	400	300	250	230	-	BTSPS 500-200	465	376

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

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 OD (mm)	Bore dia. (mm)	Ram 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	BTDPS 10-150	285	35	8.3
BTDP 15-150	15	167	150	23.8	356	280	85	55	40	38	11	BTDPS 15-150	290	35	11.3
BTDP 20-150	20	218	150	31.2	468	285	95	63	50	48	14	BTDPS 20-150	300	48	14.6
BTDP 25-150	25	270	150	38.5	577	295	95	70	55	53	14.3	BTDPS 25-150	310	48	14.8
BTDP 30-150	30	309	150	44.2	663	305	100	75	55	53	15.6	BTDPS 30-150	320	55	16.5
BTDP 50-150	50	550	150	78.5	1178	305	130	100	70	67	26.3	BTDPS 50-150	320	74	27
BTDP 75-150	75	792	150	113.1	1696	305	155	120	90	87	38.5	BTDPS 75-150	330	88	40
BTDP 100-150	100	1077	150	153.9	2309	310	180	140	110	106	53.5	BTDPS 100-150	330	100	54.5
BTDP 200-150	150	1589	150	227	3405	320	220	170	140	137	84	BTDPS 150-150	345	130	87
BTDP 250-150	200	2199	150	314.2	4712	345	255	200	150	146	116	BTDPS 200-150	370	150	119.5
BTDP 300-150	250	2661	150	380.1	5702	350	280	220	180	177	148	BTDPS 250-150	385	165	153
BTDP 400-150	300	3167	150	452.4	6786	365	310	240	180	177	181	BTDPS 300-150	400	180	189
-	400	4008	150	572.6	8588	385	350	270	220	216	255	BTDPS 400-150	425	212	265
-	500	4948	150	706.9	10603	-	400	300	240	-	-	BTDPS 500-150	450	230	367
-	600	5987	150	855.3	12829	-	430	330	270	-	-	BTDPS 600-150	480	260	453
-	800	7939	150	1134.1	17012	-	505	380	300	-	-	BTDPS 800-150	515	290	655
-	1000	9930	150	1418.6	21279	-	560	425	350	-	-	BTDPS 1000-150	560	330	896
-	1500	15154	150	2164.8	32472	-	705	525	420	-	-	BTDPS 1500-150	620	400	1543
-	2000	20458	150	2922.5	43837	-	810	610	525	-	-	BTDPS 2000-150	705	495	2366

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

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-3P4-2-2	30	700	15	2.8	2	1.5	40	4.7
	BHPA-3P4-2-3	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	30	2800	15	0.7	2	1.5	40	4.7

FEATURES:

- 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)	Rated Capacity (ton)	Capacity @ 1500 bar (Kn)	Stroke (mm)	Effective Area (cm ²)	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"	BT-15-90-200	90	896	15	59.7	60	120	208	133	104	52	48	4.2
BT-15-125-48	M48	1-7/8"	BT-15-125-187	125	1245	15	83	62	135	231	163	105	48	51	4.2
BT-15-125-52	M52	2"	BT-15-125-200	125	1245	15	83	62	135	231	163	108	52	51	6.4
BT-15-125-56	M56	2-1/4"	BT-15-125-225	125	1245	15	83	62	135	231	163	120	56	61	6.4
BT-15-125-60	M60	-	-	125	1245	15	83	62	135	231	163	124	60	61	6.4
BT-15-125-64	M64	2-1/2"	BT-15-125-250	125	1245	15	83	62	135	231	163	124	64	61	6.4
BT-15-185-64	M64	2-1/2"	BT-15-185-250	185	1845	15	123	62	146	254	193	134	64	67	9
BT-15-185-68	M68	-	-	185	1845	15	123	62	146	254	193	136	68	67	9
BT-15-185-72	M72	2-3/4"	BT-15-185-275	185	1845	15	123	62	146	254	193	139	72	67	9
BT-15-185-76	M76	3"	BT-15-185-300	185	1845	15	123	62	146	254	193	142	76	67	9
BT-15-265-76	M76	3"	BT-15-265-300	265	2640	15	176	73	180	286	233	158	76	78	15.3
BT-15-265-80	M80	-	-	265	2640	15	176	73	180	286	233	160	80	78	15.3
BT-15-265-85	M85	3-1/4"	BT-15-265-325	265	2640	15	176	73	180	286	233	162	85	78	15.3
BT-15-265-90	M90	3-1/2"	BT-15-265-350	265	2640	15	176	73	180	286	233	170	90	78	15.3
BT-15-265-95	M95	3-3/4"	BT-15-265-375	265	2640	15	176	73	180	286	233	184	95	95	15.3
BT-15-265-100	M100	4"	BT-15-265-400	265	2640	15	176	73	180	286	233	190	100	95	15.3
-	-	3-3/4"	BT-15-385-375	385	3753	15	250.2	90	197	335	285	220	95	120	31.7
BT-15-385-100	M100	-	-	385	3753	15	250.2	90	197	335	285	222	100	120	31.7
-	-	4"	BT-15-385-400	385	3753	15	250.2	90	197	335	285	222	100	120	31.7
-	-	4-1/4"	BT-15-385-425	385	3753	15	250.2	90	197	335	285	228	110	120	31.7
BT-15-385-110	M110	-	-	385	3753	15	250.2	90	197	335	285	228	110	120	31.7
-	-	4-1/2"	BT-15-385-450	385	3753	15	250.2	90	197	335	285	230	115	120	31.7
BT-15-385-120	M120	-	-	385	3753	15	250.2	90	197	335	285	236	120	120	31.7
-	-	4-3/4"	BT-15-385-475	385	3753	15	250.2	90	197	335	285	236	120	120	31.7
BT-15-385-125	M125	-	-	385	3753	15	250.2	90	197	335	285	242	125	120	31.7
BT-15-485-125	M125	-	-	485	4754	15	316.9	93	220	390	325	262	125	141	43.5
-	-	5"	BT-15-485-500	485	4754	15	316.9	93	220	390	325	262	130	141	43.5
BT-15-485-130	M130	-	-	485	4754	15	316.9	93	220	390	325	265	130	141	43.5
-	-	5-1/4"	BT-15-485-525	485	4754	15	316.9	93	220	390	325	268	130	141	43.5
-	-	5-1/2"	BT-15-485-500	485	4754	15	316.9	93	220	390	325	270	140	141	43.5
BT-15-485-140	M140	-	-	485	4754	15	316.9	93	220	390	325	275	140	141	43.5
-	-	5-3/4"	BT-15-485-575	485	4754	15	316.9	93	220	390	325	278	145	141	43.5
BT-15-485-150	M150	-	-	485	4754	15	316.9	93	220	390	325	280	150	141	43.5

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

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

When torqueing 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



BOLTING SOLUTIONS

MAGNETS EMBEDDED

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

BI-HEXAGONAL DESIGN

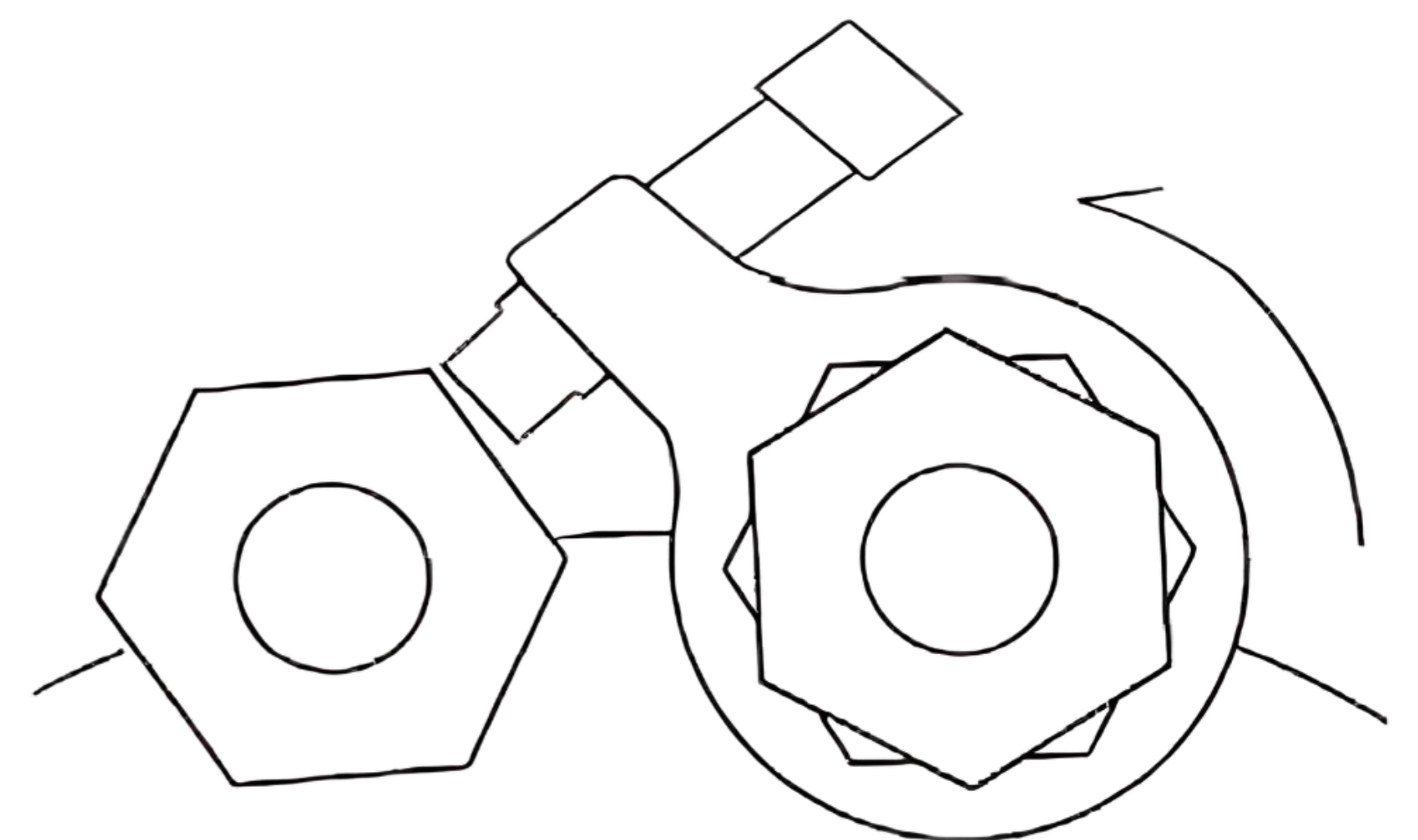
Provides the ultimate mixture of versatility and durability.



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"






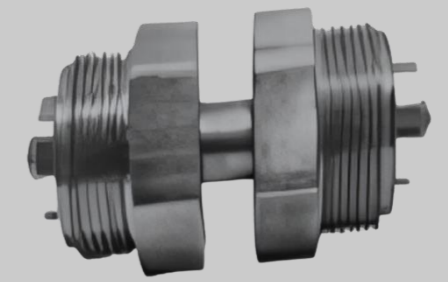
Model	Across Flat (mm)	Across Flat (in)	Load limits (ft.ibs)	Load limits (Nm)
BW104	30	1-1/4"	2400	3254
BW107	36	1-7/16"	2500	3390
BW110	41	1-5/8"	3500	4745
BW113	46	1-13/16"	3500	4745
BW200	50	2"	4100	559
BW203	55	2-3/16"	4200	5694
BW204	57	2-1/4"	4300	5830
BW206	60	2-3/8"	4300	5830
BW209	65	2-9/16"	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

A BOLTORQ pressure gauge is a device used to measure the pressure of a fluid (gas or liquid) within a closed system. It typically consists of a dial or digital display that indicates the pressure reading, along with a mechanism such as a bourdon tube or diaphragm that senses the pressure and translates it into a readable form.



Here's how it works:

- The pressure gauge is connected to the system containing the fluid whose pressure needs to be measured.
- As the pressure within the system changes, it exerts force on the sensing mechanism inside the pressure gauge.
- The sensing mechanism responds to this force by moving, which in turn causes a pointer to rotate around a dial or generates an electrical signal in digital gauges.
- The position of the pointer or the numerical value displayed on the gauge corresponds to the pressure of the fluid, usually measured in units such as psi (pounds per square inch), bar, or kPa (kilopascals).
- Pressure gauges come in various types and designs to suit different applications and pressure ranges, including analog gauges with dials and needles, digital gauges with numerical displays, and specialized gauges for specific industries or environments.
- Regular calibration and maintenance are necessary to ensure the accuracy and reliability of pressure gauge readings.

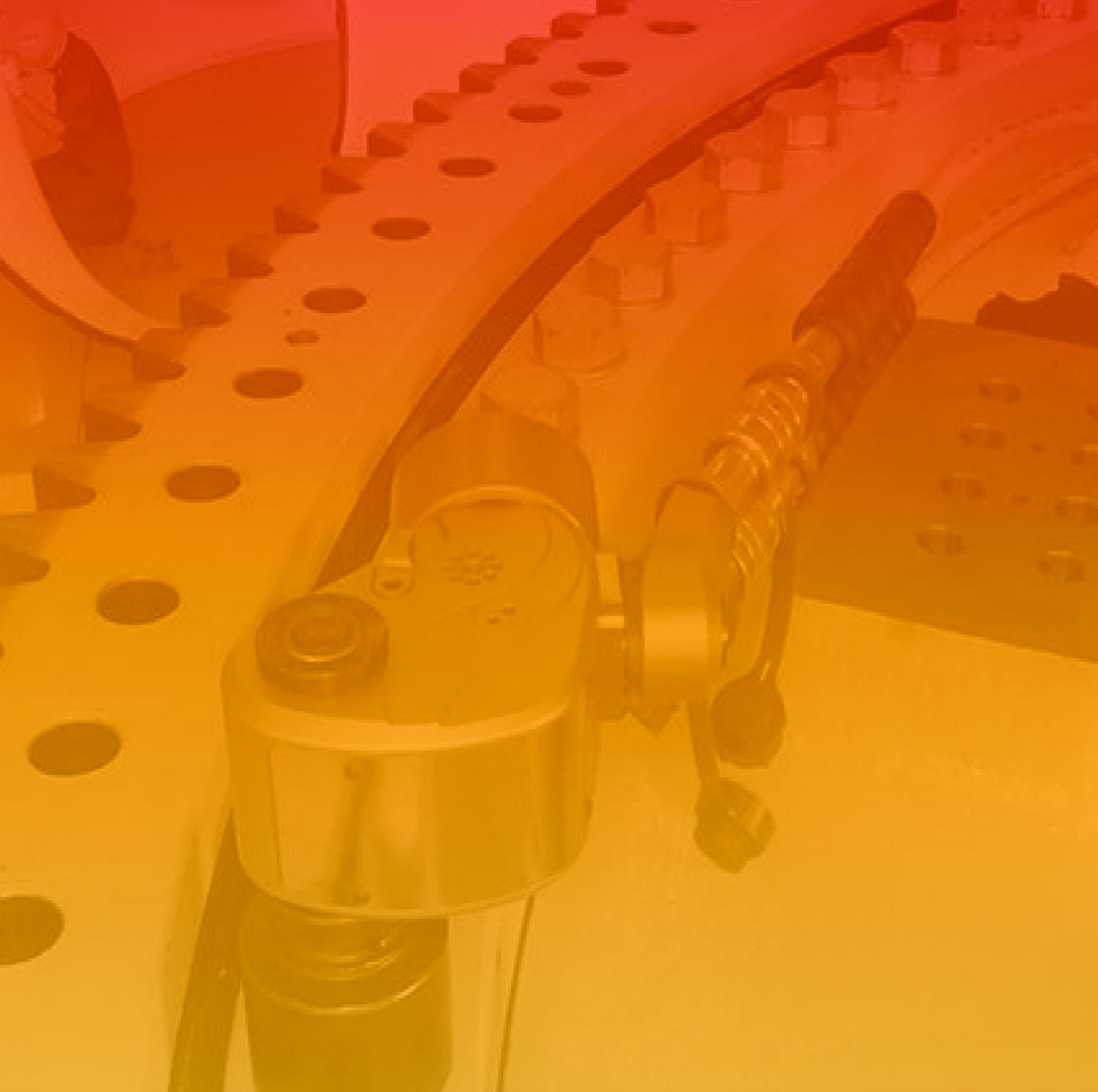
Model & photograph	Port	Face Diameter (mm) and pressure range (Mpa)	Gauge adaptor
GN0610 	1/4" NPT External screw thread	MPa/Bar Double scale 0-70MPa (Digital display) MPa/Bar Double scale 0-100MPa	
GG1010 GG1010-B GG1020-G GG1025-G GG1030-G 	1/2" BSP External screw thread	MPa/Bar Double scale 0-100MPa Bar Single scale 0-100MPa MPa/Bar Double scale 0-200MPa MPa/Bar Double scale 0-250MPa MPa/Bar Double scale 0-300MPa	
GMH1025-P GMH1040 GMH1040-G 	M16X1.5 Internal thread	MPa/Bar Double scale 0-250MPa MPa/Bar Double scale 0-400MPa MPa/Bar Double scale 0-400MPa	

Characteristics: -

- Standard calibration with dual scale reading for PSI and Bar.
- All the pressure sensing components are sealed with glycerin and dampened proof to guarantee durability.
- Including a safety seal ring and pressure equaling membrane.

Torque Specifications

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
M16	24	121	165	208	171	232	292	205	278	351
M18	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
M52	80	4545	6169	7792	6392	8675	10958	7670	10410	13149
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	19858	25084	17559	23830	30101
M72	105	12530	17005	21480	17620	23913	30206			
M76	110	14926	20256	25587	20989	28485	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						



📍 **Registered Office**

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