



The **Product Catalog**

of **Torque Technology**

The background of the entire page is a close-up, high-contrast photograph of various TorcUP hydraulic torque tools. The tools are primarily in shades of grey and black, with some yellow accents. One tool in the foreground has the 'torcUP' logo clearly visible. Another tool in the background has a yellow handle and a black body with a gear-like mechanism. The lighting is dramatic, highlighting the metallic textures and mechanical details of the tools.

Starting TorcUP
ten years ago was a natural extension
of my love and passion for creating,
and of my desire to design something
completely new and entrepreneurial.

At the time, customers were having a hard time finding reliable, consistent, and innovative bolting tools. I realized that a great number of people were seeking a unique product that was user friendly and robust in design. I had a innate belief that in order to establish a successful company it would have to be strictly focused on functionally and technologically advanced torque tools with proven performance benefits. This was the founding principle of TorcUP and today remains our guarantee to customers all over the world.

Regards,
John Kovacs - *President*
TorcUP Inc., USA

torcUP

Torque/Pressure Chart

Pump Pressure (PSI)	Tool Output (FT/LBS)
1000	100
1200	120
1400	140
1600	160
1800	180
2000	200
2200	220
2400	240
2600	260
2800	280
3000	300
3200	320
3400	340
3600	360
3800	380
4000	400
4200	420
4400	440
4600	460
4800	480
5000	500
5200	520
5400	540
5600	560
5800	580
6000	600
6200	620
6400	640
6600	660
6800	680
7000	700
7200	720
7400	740
7600	760
7800	780
8000	800
8200	820
8400	840
8600	860
8800	880
9000	900
9200	920
9400	940
9600	960
9800	980
10000	1000

INSIDE...

TU

TU Series Square Drive Hydraulic Wrenches

TU SERIES ACCESSORIES AND DATA

TX

TX Series Low Profile Hydraulic Wrenches

TX SERIES ACCESSORIES AND DATA

TBW

TBW Series BackUP Wrenches

TBT

TBT Specialized Turbine Tooling

EP/AP

EP/AP Series Hydraulic Pumps

EP/AP SERIES DATA

TSK

Industrial Impact Sockets

TT

TT Series Pneumatic Wrenches

TT SERIES ACCESSORIES AND DATA

TN

TN Series Hydraulic Nut Splitters

TN SERIES DATA

TFS

TFS Series Flange Spreaders

TFS SERIES DATA



TU SERIES FEATURES

Patented Mono-Body Housing

This feature allows for direct reaction against the housing of the tool, as well as a significant reduction in housing flex and torsion.

Dual Independent Swivels

360° x 360° swivels allow for individual movement of duplex hoses. Steel construction adds durability.

Push Through Square Drive

Change the direction of the tool from loosen to tighten by pushing the Vascomax® square drive through the tool.

Laser Engraved Torque Chart

The torque chart for the square drive tool is laser engraved directly on the shroud to allow for quick reference. It also reverses from Ft/lbs-PSI to Nm-Bar.

Quick Connect Couplers

Each tool is fitted with quick connect, no-drip, threadless safety couplers, with 4:1 safety ratio.

Reaction Arm

Smaller diameter, multi-position reaction arm allows for tool to be positioned better in tighter applications. The arm is fitted with a field replaceable steel reaction boot.

Reaction Arm Release Button

Protected within the reaction arm housing, this feature allows for safe and simple removal and replacement of the multi-position reaction arm.

Body Material

The TU Series housing is manufactured from 7075 Aircraft Quality lightweight alloy.

U.S. Patent No. 6,068,068



TU SERIES Accessories

1. Extended Reaction Boot

25mm/1 inch: *TU-2* ATU-2-03-EXT1 *TU-3* ATU-3-03-EXT1 *TU-7* ATU-7-03-EXT1 *TU-11* ATU-11-03-EXT1 *TU-27* ATU-27-03-EXT1

51mm/2 inches: *TU-2* ATU-2-03-EXT2 *TU-3* ATU-3-03-EXT2 *TU-7* ATU-7-03-EXT2 *TU-11* ATU-11-03-EXT2

76mm/3 inches: *TU-2* ATU-2-03-EXT3 *TU-3* ATU-3-03-EXT3 *TU-7* ATU-7-03-EXT3 *TU-11* ATU-11-03-EXT3

2. End Cap Protector

TU-2 ATU-2-03-EC *TU-3* ATU-3-03-EC *TU-7* ATU-7-03-EC *TU-11* ATU-11-03-EC *TU-27* ATU-27-03-EC

3. Extended Reaction Tube

TU-2 ATU-2-03-ERT *TU-3* ATU-3-03-ERT *TU-7* ATU-7-03-ERT *TU-11* ATU-11-03-ERT *TU-27* ATU-27-03-ERT

4. Non-Push Through Square Drive

TU-2 TU-2-11C *TU-3* TU-3-11C *TU-7* TU-7-11C *TU-11* TU-11-11C

5. Direct Hex Drive Adaptor

TU-2 ATU-2-11-### *TU-3* ATU-3-11-### *TU-7* ATU-7-11-### *TU-11* ATU-11-11-### *TU-27* ATU-27-11-###

6. Housing Reaction Pad

TU-2 ARW-2 *TU-3* ARW-3 *TU-7* ARW-7

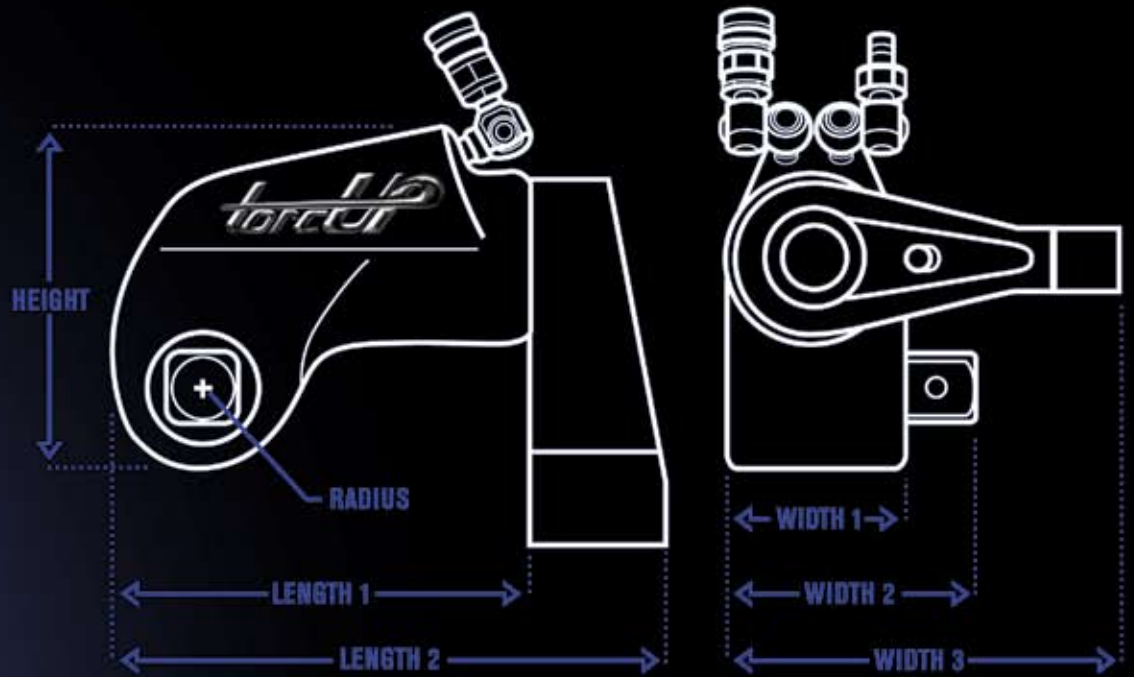
7. Tool Carrying Handle

All Tools ACC-TCH-8



TU SERIES Technical and Dimensional Data (Imperial/Metric)

	TU-2		TU-3		TU-7		TU-11		TU-27		TU-60	
SQUARE DRIVE	3/4"		1"		1 1/2"		1 1/2"		2 1/2"		2 1/2"	
MIN TORQUE(Ft/lbs)	127		330		740		1100		2720		5800	
MAX TORQUE(Ft/lbs)	1270		3330		7400		11010		27200		58000	
MIN TORQUE(Nm)	172		447		1003		1491		3687		7862	
MAX TORQUE(Nm)	1722		4514		10031		14925		36872		78625	
OUTPUT ACCURACY	+/- 3%		+/- 3%		+/- 3%		+/- 3%		+/- 3%		+/- 3%	
REPEATABILITY	100%		100%		100%		100%		100%		100%	
DUTY CYCLE	100%		100%		100%		100%		100%		100%	
TOOL WEIGHT(lbs)	3.9		9		19		29		70		130	
TOOL WEIGHT(Kg)	1		4		8		13		31		58	
HEIGHT	4.20	106.7	5.30	134.6	7.14	181.4	7.81	198.4	10.19	258.8	11.50	292.1
LENGTH 1	4.82	122.4	6.20	157.5	8.45	214.6	9.25	235.0	12.32	321.9	15.38	390.7
LENGTH 2	6.34	161.0	8.20	208.3	11.19	284.2	12.25	311.2	16.33	414.8	20.40	518.2
RADIUS	0.98	24.9	1.29	32.8	1.75	44.5	1.91	48.5	2.46	62.5	3.10	78.7
WIDTH 1	2.00	50.8	2.63	66.8	3.61	91.7	3.95	100.3	5.26	133.6	6.58	167.1
WIDTH 2	2.79	70.9	3.68	93.5	5.06	128.5	5.43	137.9	7.57	192.3	8.89	225.8
WIDTH 3	4.42	112.3	5.81	147.6	7.98	202.7	8.72	221.5	11.63	295.4	14.29	363.0



TU

TX SERIES FEATURES

Patented "Peanut-Shaped" Piston

This feature allows the cylinder and ratchet link to be the same width. Friction reducing sliders prevent wear on the piston.

Dual Independent Swivels

360° x 360° swivels allow for individual movement of duplex hoses. Steel construction adds durability.

Hex Link Cassettes

Steel alignment pins connect lower reaction area for added strength.

Quick Connect Couplers

Each tool is fitted with quick connect, no-drip, threadless safety couplers, with 4:1 safety ratio.

Cylinder and Link Material

Both cylinder and link are manufactured from 4340 Aircraft Quality high strength steel alloy.

Nose Radius

Tight nose radius allows this tool to fit in applications where clearance constraints make other tools too bulky.

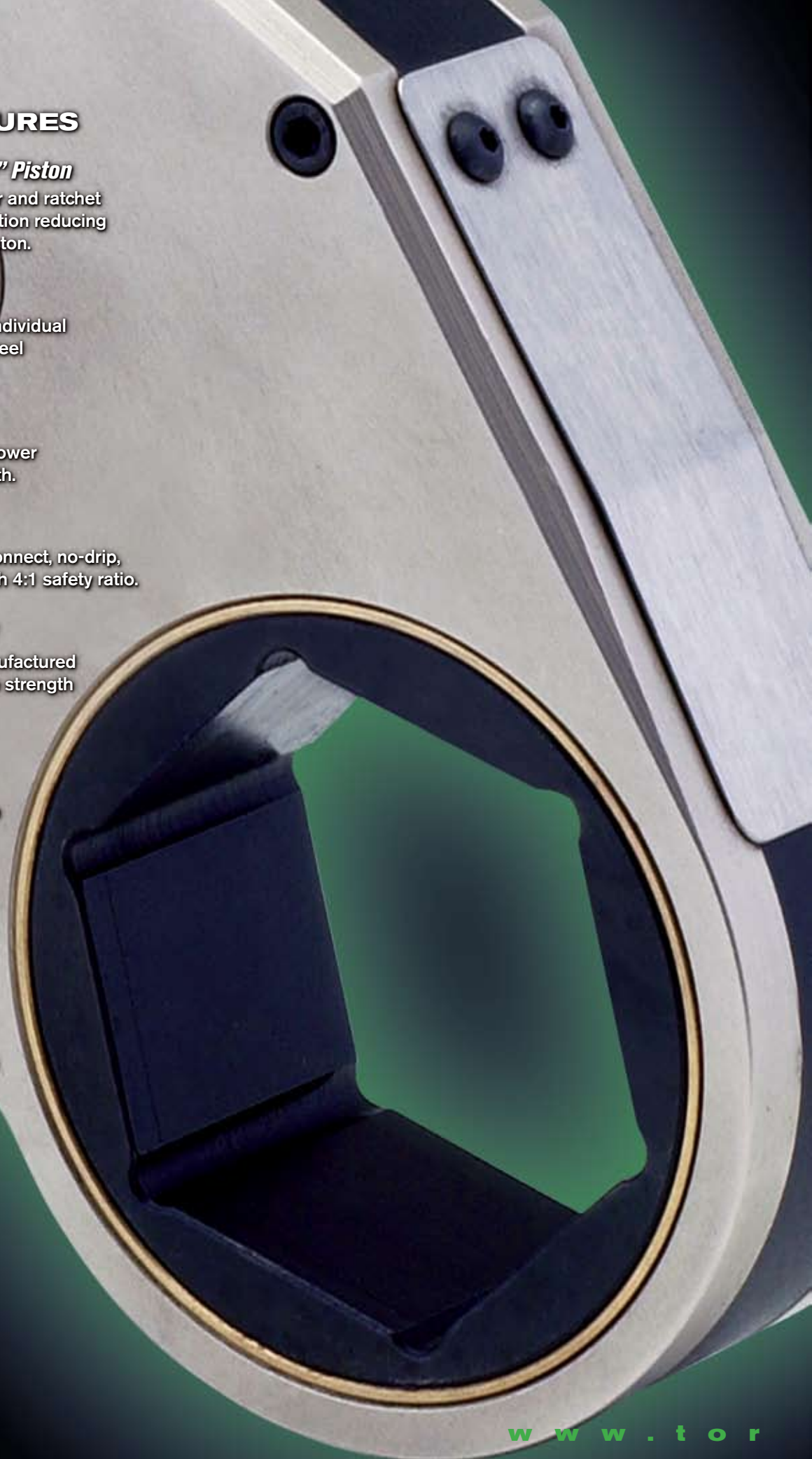
In-Line Reaction Pad

This design ensures torsion-free reaction every time.

Link Pin

One pin for link to cylinder engagement - no tool required for swapping ratchet links.

U.S. Patent No. 6,223,836





TX SERIES Accessories

1. Hex Reducer

TX-1 AHR1-###-### TX-2 AHR2-###-### TX-4 AHR4-###-### TX-8 AHR8-###-###
TX-16 AHR16-###-### TX-32 AHR32-###-###

2. Low Point Reaction Paddle

TX-1 TX-1RP TX-2 TX-2RP TX-4 TX-4RP TX-8 TX-8RP TX-16 TX-16RP TX-32 TX-32RP

3. Inline Extension Arm

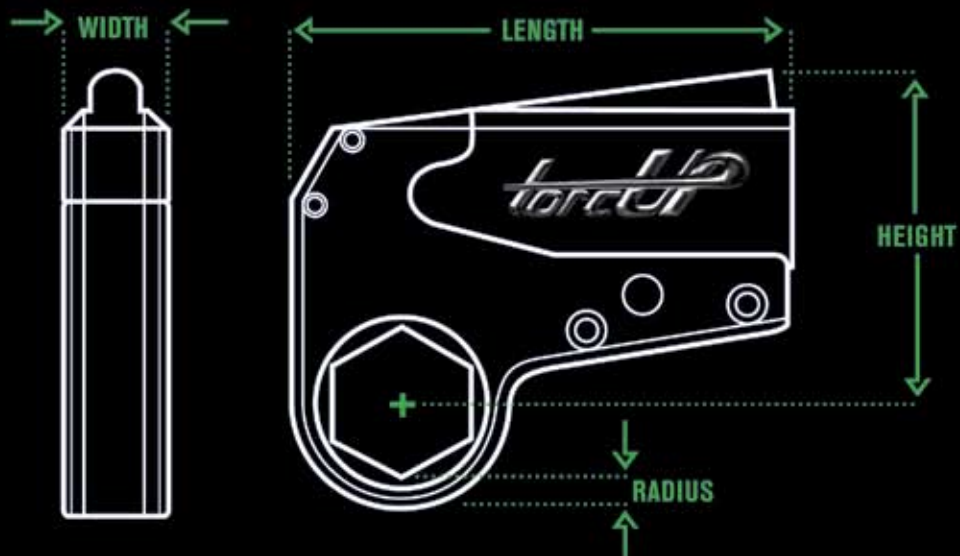
TX-1 TX-1-EXT TX-2 TX-2-EXT TX-4 TX-4-EXT TX-8 TX-8-EXT TX-16 TX-16-EXT TX-32 TX-32-EXT

4. Hex To Square Drive Adaptor

TX-1 AHS1-###-# TX-2 AHS2-###-# TX-4 AHS4-###-# TX-8 AHS8-###-#
TX-16 AHS16-###-# TX-32 AHS32-###-#

TX SERIES Technical and Dimensional Data (Imperial/Metric)

	TX-1		TX-2		TX-4		TX-8		TX-16		TX-32		TX-45	
HEX RANGE FROM	5/8"	17mm	3/4"	19mm	1"	25mm	1 7/8"	50mm	2 5/8"	65mm	3 1/8"	80mm	3 1/8"	80mm
HEX RANGE TO	1 5/8"	41mm	2 3/8"	60mm	3 1/8"	80mm	4 1/8"	105mm	5 1/4"	135mm	6 1/2"	165mm	6 1/2"	165mm
MIN TORQUE(Ft/lbs)	45		192		395		830		1560		3220		4850	
MAX TORQUE(Ft/lbs)	560		1928		3950		8630		16600		35650		47380	
MIN TORQUE(Nm)	61		260		535		1125		2115		4365		6575	
MAX TORQUE(Nm)	759		2614		5355		11699		22503		48327		64228	
OUTPUT ACCURACY	+/- 3%		+/- 3%		+/- 3%		+/- 3%		+/- 3%		+/- 3%		+/- 3%	
REPEATABILITY	100%		100%		100%		100%		100%		100%		100%	
DUTY CYCLE	100%		100%		100%		100%		100%		100%		100%	
CYLINDER WEIGHT(lbs)	1		3.50		6.00		11.70		16.00		26.00		29.00	
CYLINDER WEIGHT(Kg)	0.45		1.50		2.70		5.00		7.30		11.50		13.00	
LINK WEIGHT FROM(lbs)	1		2.40		5.40		11.90		21.00		29.00		29.00	
LINK WEIGHT TO(lbs)	1		3.50		7.60		14.50		28.00		39.50		39.50	
LINK WEIGHT FROM(Kg)	0.45		1.00		2.40		5.50		9.50		13.00		13.00	
LINK WEIGHT TO(Kg)	0.45		1.50		3.40		6.50		13.00		17.90		17.90	
LENGTH	4.37	111.0	6.45	163.8	7.87	199.9	10.20	259.1	12.93	328.4	15.80	401.3	16.75	425.5
WEIGHT	3.25	82.6	4.00	101.6	5.60	142.2	7.00	177.8	7.58	192.5	9.50	241.3	10.28	261.1
WIDTH 2	0.78	19.8	1.25	31.8	1.63	41.4	2.05	52.1	2.50	63.5	3.24	82.3	4.88	124.0
RADIUS	0.23	5.8	0.36	9.1	0.46	11.7	0.54	13.7	0.65	16.5	0.93	23.6	0.93	23.6



TX

Brian Bricco - Director of Operations

When requests for tools come in, Brian steps up to the plate.

For the past eight years Brian has taken charge of ensuring that products on TorcUP shelves meet our high standards, and are on hand to expedite to our customers.

Each time our engineering team releases a design, Brian is the one to make it happen. From standard spare parts to application specific custom tooling, he has the skill to turn an on-screen concept image into an industry-ready tool. Brian truly revels in providing the thousands of tools that ship worldwide. As tools leave our facility Brian is there to lay the groundwork for the next immediate shipment.

A close-up, high-angle shot of a man with short dark hair, looking down intently at a document or book he is holding. He is wearing a dark navy blue polo shirt with a white stripe on the collar. On the left chest of the shirt is a logo that reads "torcUP" in a stylized, italicized font, with "INDUSTRIAL BOLTING TOOLS" in a smaller, sans-serif font below it. The background is dark and out of focus, showing what appears to be a desk and some papers. The lighting is soft, highlighting the man's face and the texture of the shirt.

torcUP
INDUSTRIAL
BOLTING TOOLS



TBW SERIES FEATURES

The Only Backup You Need

The TorcUP TBW Series BackUP Wrench eliminates the need for striker wrenches, shims and vice grip style backup wrenches.

Industrial Construction

Its heavy duty industrial construction is ergonomic and safe.

Totally Mechanical

The TBW Series backup wrench is totally mechanical and has no hydraulics.

Ergonomic Design


Easy to release design.

TorcUP

**Just between us,
there is no better backup.**



TBW



TBT SERIES FEATURES

Large Line of Tooling

Our Line of Turbine Tooling includes Standard Slugging Wrenches, Standard Stack Sockets, Castellated Slugging Wrenches, Castellated Sockets and Castellated Stack Sockets.

High Strength

Made of the same high strength steel alloy as our Industrial Impact Sockets.

Up to Industry Standards

TorcUP Turbine Tools are made to the specifications of industry standards.

2.15/16

M9608791

TORCUP

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TorcUP

**Show us your turbines,
we'll show you our tools.**



TBT

cup.com

EP SERIES FEATURES

Clydesdale Technology

Cool running continuous duty action.

Powerful Motor

Permanent Magnet Motor is available in .5 HP and 1.5 HP versions.

Quick Connect Couplers

Each pump and hose is fitted with quick connect, no-drip, threadless safety couplers, with 4:1 safety ratio.

Efficient Motor Design

Lower RPM requirements mean a longer life for your pump.

Lower Amp Requirement

3,000 RPM Motor requires lower amperage and allows for extension cord use.

Protected Motor

Custom molded protective shroud with carrying handle allows for ease of mobility.

Quadra-Torc Function

Available in single and multi-port designs for running multiple tools simultaneously.



EP



EP SERIES Technical and Dimensional Data (Imperial/Metric)

RESERVOIR SIZE	VALVE		MOTOR SPEC	FLOW RATE@115 VAC		WEIGHT(LBS)
	CONTROL	TYPE		600 Psi	10,000 Psi	
EP1000 1 GALLON EP1000-Q 2 GALLON	SOLENOID	4 WAY/3 POS.	1.5 HP SINGLE PHASE	700 in3/min	50 in3/min	56
EP500 1 GALLON	SOLENOID	4 WAY/3 POS.	0.5 HP SINGLE PHASE	400 in3/min	20 in3/min	45

RESERVOIR SIZE	VALVE		MOTOR SPEC	FLOW RATE@220 VAC		WEIGHT(Kg)
	CONTROL	TYPE		41,4 Bar	700 Bar	
EP1000 3.8 LITER EP1000-Q 7.5 LITER	SOLENOID	4 WAY/3 POS.	1,1 Kw SINGLE PHASE	6,6 L	0,8 L	25,4
EP500 3.8 LITER	SOLENOID	4 WAY/3 POS.	0,4 Kw SINGLE PHASE	6,6 L	0,3 L	20,4



AP SERIES FEATURES

Clydesdale Technology

Cool running continuous duty action.

Protective Roll Cage

Each pump comes fitted into a roll cage for protection of the motor.

Quick Connect Couplers

Each pump and hose is fitted with quick connect, no-drip, threadless safety couplers, with 4:1 safety ratio.

Quadra-Torc Function

Available in single and multi-port designs for running multiple tools simultaneously.

Heavy Duty Motor

Powerful 1.5 HP industrial duty air motor.

Low Air Requirements

Runs on as little as 50 cfm/80 PSI.

TorcUP

Under Pressure.

Even better than the song.

AP



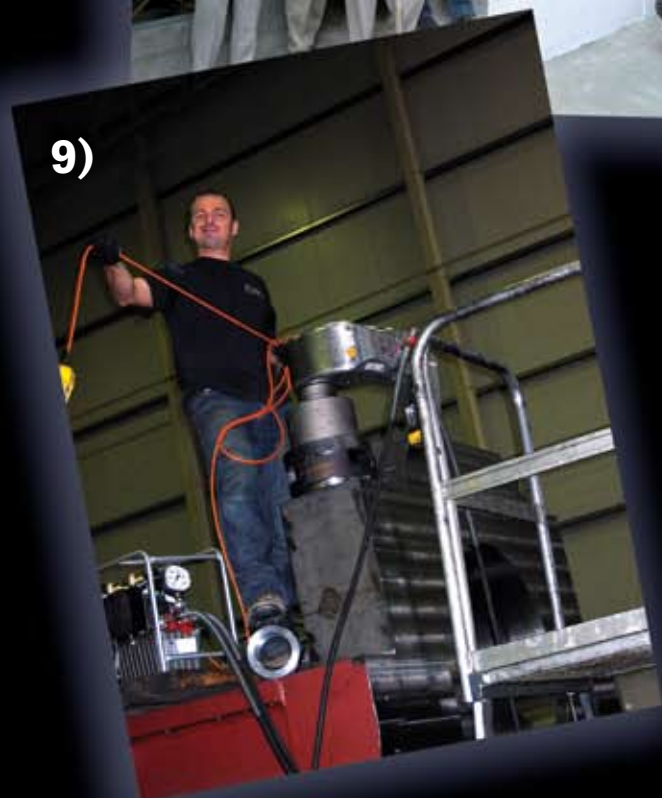
AP SERIES Technical and Dimensional Data (Imperial/Metric)

RESERVOIR SIZE	VALVE		MOTOR SPEC	FLOW RATE@50cmf/90psi		WEIGHT(LBS)
	CONTROL	TYPE		600 Psi	10,000 Psi	
AP1 000 2 GALLON	SOLENOID	4 WAY/3 POS.	1.5 HP ROTARY AIR	600 in3/min	50 in3/min	54

RESERVOIR SIZE	VALVE		MOTOR SPEC	FLOW RATE@3900L/min/6,2bar		WEIGHT(Kg)
	CONTROL	TYPE		41,4 Bar	700 Bar	
AP1 000 7.5 LITER	SOLENOID	4 WAY/3 POS.	1,1 Kw ROTARY AIR	6,6 L	0,8 L	24,5

BOLTING YC


1) Bolting and maintenance on the Golden Gate Bridge 2) Torc
4) Construction in the U.S. 5) The TorcUP India Sales Team 6) Russian
Done in China 9) Big TU-60 Used in Germany 10) Crane Manufacturer



OUR WORLD

UP Exhibiting at the Hannover Fair 3) Repair Shop in Australia
Refineries 7) Equipment Manufacturer in Norway 8) Demonstrations
in China 11) Shipyard in Singapore 12) Flange Spreader in Power Plant



A close-up, high-contrast photograph of a TorcUP Industrial Impact Socket. The socket is dark, possibly black or dark grey, and has a hexagonal shape with a central hole. The lighting highlights the metallic texture and the sharp edges of the hexagon. The background is a solid, dark green color.

TSK SERIES FEATURES

Unbelievable Strength

All TorcUP Industrial Impact Sockets are made from high strength alloy steel, heat treated for the best combination of strength, and impact resistance.

Our Sockets Do What Others Claim

With optimum wall thickness, TorcUP sockets have the strength to withstand the necessary torque and the access to reach the most restricted of nuts.

Accommodating Design

The depth of the hex openings are designed to accommodate the nut for full engagement.

Free Corner Design

TorcUP's entire line of Industrial Impact Sockets feature free corner design for flats above 5/8" (17mm).

Safe Attachment Design

O-ring and drive pin included with every socket for safe square drive attachment.

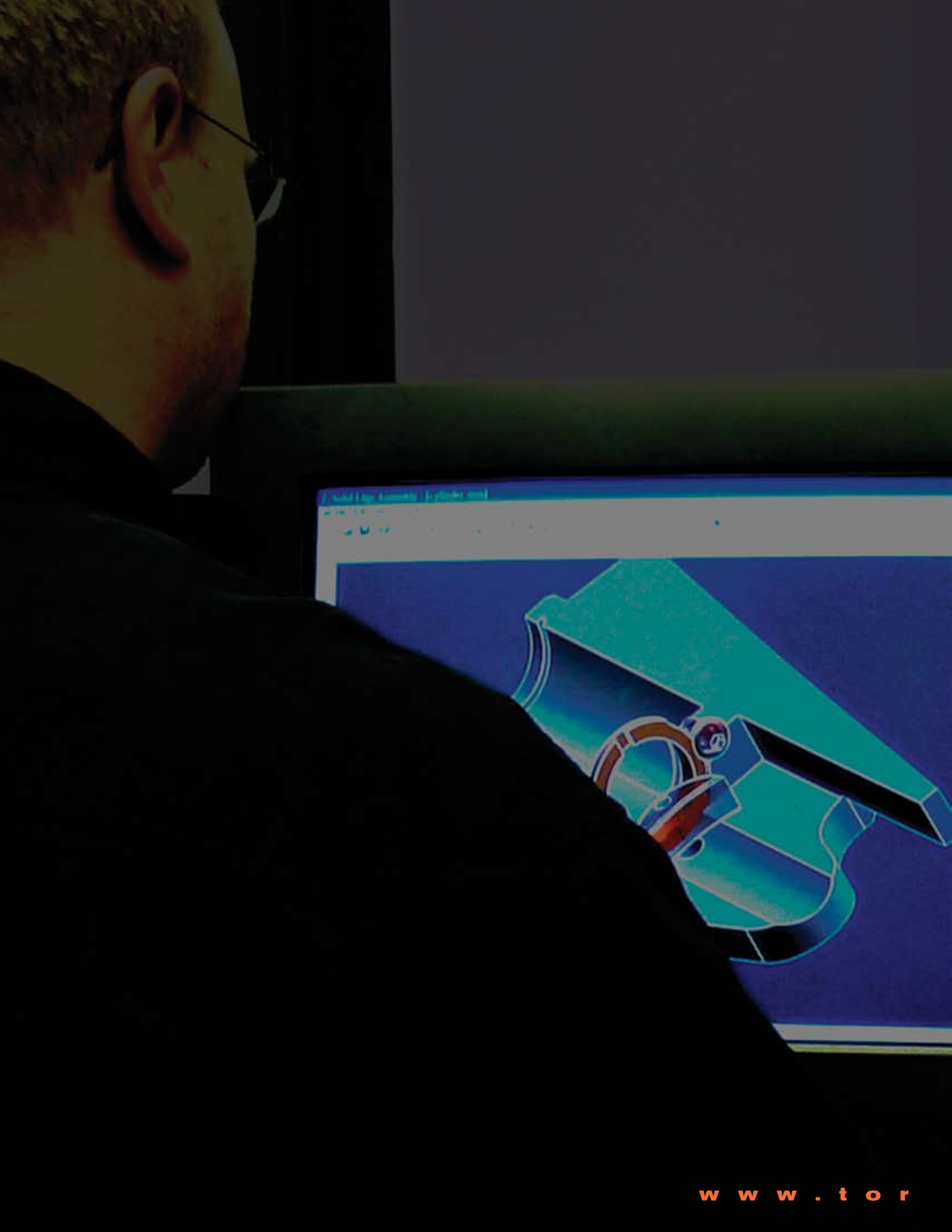


TorcUP

We've got your nuts covered.

TSK

cup.com



Kevin Kemmerer - Senior Engineer

He closes his eyes and imagines...dreams...
Then he opens his eyes and makes his visions a reality!

It is hard to conceive that this is how we begin inventing each of our products at TorcUP. For our tool designer, Kevin, there is no other way.

Since Kevin was a teenager, he has always had a strong interest in creating industrial hydraulic bolting tools. He spends countless hours glued to his computer, with the task of taking rough designs and actualizing them into real-world performing tools. Utilizing computer programs like Auto-Cad, Solid Edge and Inventor, along with his passion and experience, Kevin's creations have become some of the most robust working tools used in our industry today.



TT SERIES FEATURES

Square Drive

Direct Socket Engagement.
Available in 3/4", 1" or 1 1/2" Square Drives.

Pistol Grip

Firm Pistol Grip Control.

Reaction Member

Sturdy "Non-Welded" Construction.

Air Drive

Constant Speed Rotation.

Internal Gear Drive

Robust Planetary Design.

Operation Trigger

Finger Controlled Forward/Reverse.





TT SERIES Accessories

1. TT Series Nose Extension

AVAILABLE FOR ALL SIZE TOOLS

2. TT Series Sliding Reaction Arm

CUSTOM ARM, MADE TO ORDER

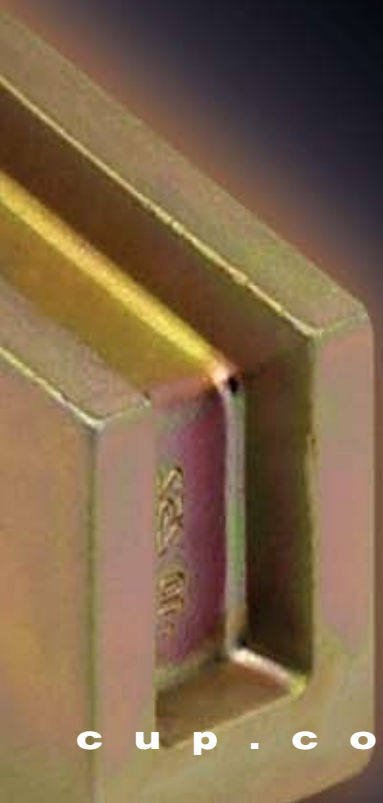
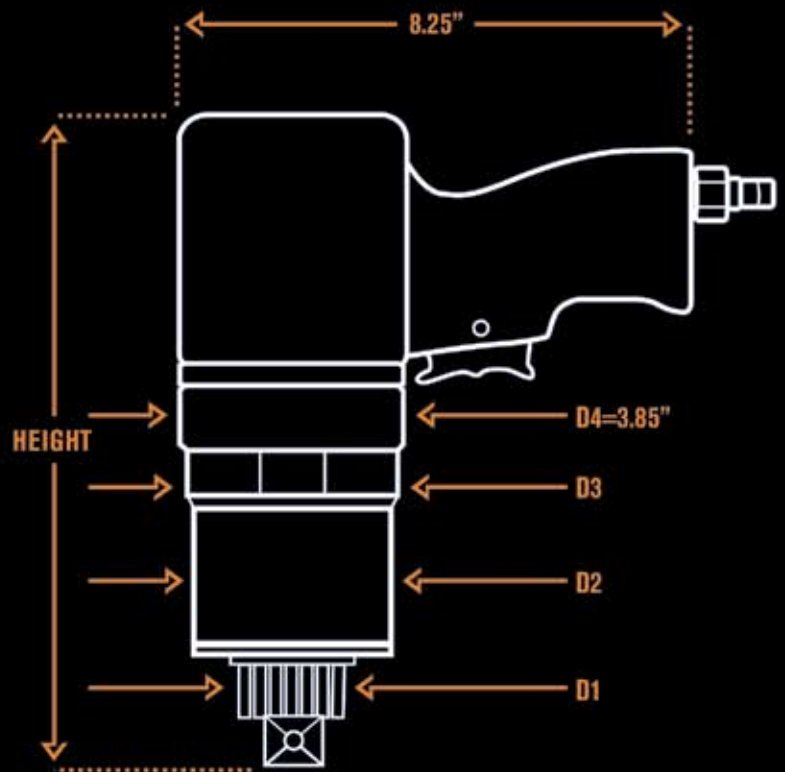
3. TT-F/R/L Filter/Regulator/Lubricator Unit

COMES STANDARD IN CARRYING CAGE, WITH 8' / 2.4m AIR HOSE



TT SERIES Technical and Dimensional Data (Imperial/Metric)

	TT-30		TT-80		TT-120		TT-200		TT-320	
SQUARE DRIVE	3/4"		1"		1"		1"		1 1/2"	
MIN TORQUE(Ft/lbs)	122		269		435		671		1099	
MAX TORQUE(Ft/lbs)	357		796		1276		1969		3231	
MIN TORQUE(Nm)	165		365		590		910		1490	
MAX TORQUE(Nm)	485		1080		1730		2670		4380	
TOOL WEIGHT(lbs)	15.43		19.84		19.84		19.84		26.46	
TOOL WEIGHT(Kg)	7		9		9		9		12	
DIAMETER D1	1.61	40.9	2.13	54.1	2.13	54.1	2.13	54.1	2.84	72.1
DIAMETER D2	3.35	85.1	3.35	85.1	3.35	85.1	3.35	85.1	3.86	98.0
DIAMETER D3	3.47	88.1	3.47	88.1	3.47	88.1	3.47	88.1	3.86	98.0
HEIGHT	11.02	279.9	11.81	299.9	11.81	299.9	11.81	299.9	11.81	299.9
PERFORMANCE(rpm)	48		15		10		8		4	



TN SERIES FEATURES

Easy to Use

The TN Series sets up in no time and cuts within minutes.

The TN Does What Others Cannot

When you just can't turn the nut, the TN Series Nut Splitter is the way to go.

A Very Safe Tool

With the TN Series, there is no worry in regards to sparks, flames, or flying fragments. There are NONE.

A Time Saving Tool

Cuts nuts in seconds compared to the hours you'd spend with a torch.

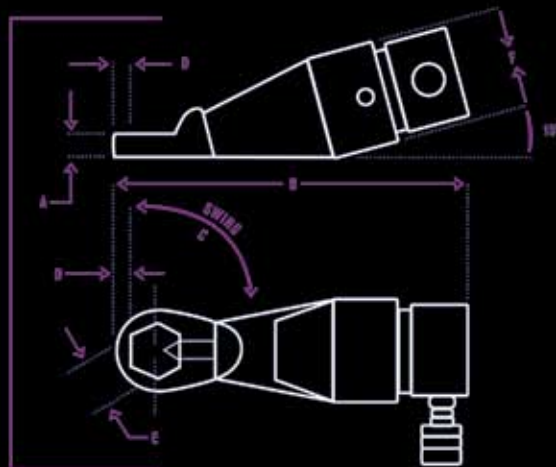
Flexible Design

The TN Series Nut Splitters have been designed to fit all API and ANSI flanges.

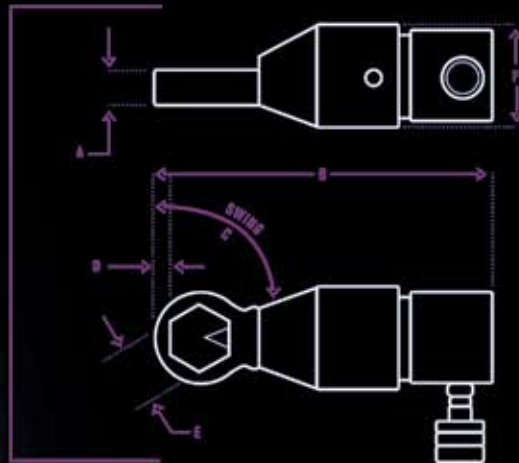
A Versatile Tool

Cuts the hardest of nuts with absolutely no damage to the stud.

TN Nut Splitter Angle Head (model TN-100)



TN Nut Splitter (model TN-105 to TN-505)



TN



TN SERIES Technical and Dimensional Data (Imperial/Metric)

	A/F RANGE		A		B		C		D		E		F		WEIGHT	
TN-100	1/2"-1"	12.7-25.4	11/16"	17.5	10 1/4"	260.4	30°	30°	1/4"	6.4	1 1/16"	27.0	2 7/8"	73.0	8.20	3.72
TN-105	5/8"-1 7/16"	15.9-36.5	1 1/2"	38.1	10 7/16"	265.1	60°	60°	3/8"	9.5	1 1/2"	38.1	4 1/8"	104.8	21.60	9.80
TN-200	1 7/16"-2"	36.5-50.8	1 1/2"	38.1	11 5/16"	287.3	45°	45°	1/2"	12.7	2 1/8"	54.0	4 1/4"	108.0	22.90	10.39
TN-205	1 13/16"-2 3/8"	46.0-60.3	2 1/4"	57.2	15 5/32"	385.0	30°	30°	9/16"	14.2	2 1/2"	63.5	6 7/16"	163.5	71.50	32.43
TN-210	2 1/4"-2 3/4"	57.2-69.9	2 1/4"	57.2	15 11/16"	398.5	30°	30°	11/16"	17.5	2 7/8"	73.0	6 7/16"	163.5	72.30	32.79
TN-310	2 3/4"-3 1/2"	69.9-88.9	3 1/16"	77.8	18 1/8"	460.4	30°	30°	3/4"	19.1	3 7/8"	98.4	8 7/16"	214.3	158.66	71.97
TN-315	3 1/8"-3 7/8"	79.4-98.4	3 1/8"	79.4	19 7/32"	488.2	30°	30°	7/8"	22.2	4 1/4"	108.0	8 7/16"	214.3	163.94	74.36
TN-405	3 3/4"-4 1/4"	95.3-108.0	3 3/4"	95.3	22 13/16"	579.4	60°	60°	1 1/8"	28.6	4 5/8"	117.5	9 7/8"	250.8	251.20	113.94
TN-500	4 1/2"-5"	114.3-127.0	4 1/8"	104.8	23 7/32"	589.8	60°	60°	1 1/8"	28.6	5 3/8"	136.5	9 7/8"	250.8	256.56	116.37
TN-505	4 7/8"-5 3/8"	123.8-136.5	4 1/8"	104.8	23 17/32"	597.6	60°	60°	1 1/8"	28.6	5 7/8"	149.2	9 7/8"	250.8	262.90	119.25



TorcUP
Hell of a set of jaws.

TFS SERIES FEATURES

Use the Force

The TFS Series Flange Spreader can give you over 10,000 lbs of spreading force.

A Tool That Stays Put

This tool features parallel opening jaws without drift. It stays where you set it.

Very Large Spread

With a full operation spread of 3", this tool is a must when dealing with flanges.

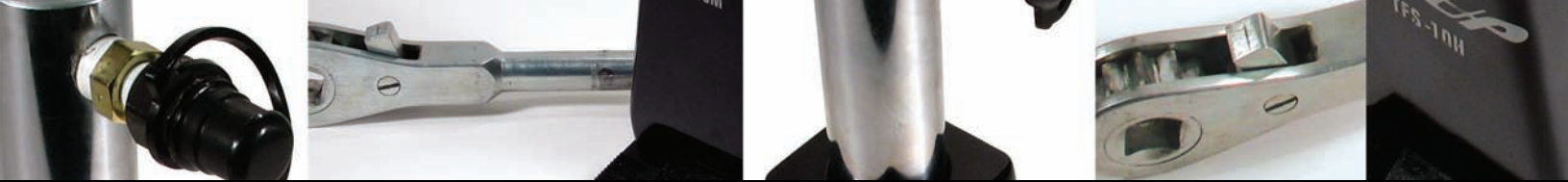
Multiple Versions

The TFS Series is always available in both Hydraulic and Manual versions.

TorcUP

TFS-10M

TFS



TFS SERIES Technical and Dimensional Data (Imperial/Metric)

SPECIFICATIONS	IMPERIAL	METRIC
WEIGHT TFS-10H	15.5 LBS	7.0 KG
WEIGHT TFS-10M	17.0 LBS	7.7 KG
LENGTH TFS-10H	13.25"	33.6 MM
LENGTH TFS-10M	14"	35.5 MM
WIDTH OF FEET	4.5"	114 MM
WIDTH OF BODY	4"	101 MM
TIPS CLOSED	0.9"	2.3 MM
TIPS OPEN	3"	76.2 MM
TIP PENETRATION	1.5"	38.1 MM
RATED FORCE	10,000 LBS	4,535 KG

Take everything that you have ever known to be true about hydraulic bolting tools and Torc it UP. More**ACCURATE**.More**REPEATABLE**.More**CONSISTENT**.

The TorcUP Comprehensive Factory Warranty

We have created the world's ultimate hydraulic bolting tools. Our products are designed to perform with less parts, in order to gain less friction, and to decrease the overall loss of power.

We provide ongoing support with operational training and care of all tools, free repair of warranty tools, and no-cost temporary replacements. At TorcUP, **we strive to become your total product solution.**

- The customer will be completely satisfied with the performance, operation, support and overall value of their TorcUP System.
- The customer's staff will be thoroughly trained to the customer's satisfaction on the proper operation and care of their TorcUP System.
- If the TorcUP System should fail to operate properly under normal usage within 13 months of purchase, the system will be repaired at no charge.
- If the TorcUP System cannot be repaired under warranty at the customer's site, TorcUP will furnish the customer with loaner components as needed at no charge during the warranty period.

- The warranty does not cover improper use or operation of tooling.
- If during the warranty period, the tooling must be returned to the TorcUP Repair Facility for warranty maintenance, the customer will be provided with a loaner unit at no charge for the duration of the repair.

The Warranty covers factory defects for the following lengths of time dependent upon the tooling purchased:

TU Series Wrenches

-13 Months from Date of Purchase

TX Series Wrenches

-13 Months from Date of Purchase

TT Series Wrenches

-13 Months from Date of Purchase

EP and AP Series Pumps

-13 Months from Date of Purchase

TN Series Nut Splitters

-13 Months from Date of Purchase

TBW Series BackUP Wrenches

-13 Months from Date of Purchase

TFS Series Flange Spreaders

-13 Months from Date of Purchase

Accessories

-13 Months from Date of Purchase

TSK Sockets

-Lifetime

TorcUP. Like no other wrench. Like no other company.

www.torcup.com

A^t TorcUP we are genuine.

Our people and our tools deliver what others claim they can. We hide absolutely nothing from our customers or our competitors.

We believe. From our humble beginnings in Easton, Pennsylvania, our small group of employees built a tool brand from scratch. The TorcUP brand is now an established worldwide supplier to some of the largest industries on every continent.

We deliver uniqueness to our customers. We are certain that customers all over the world will continue to benefit from TorcUP, not only as their trusted tool brand, but also as their tool supplier. TorcUP still creates all of its tools in-house in Easton, PA. And each of our tools still remain truly individual.



For **Worldwide Sales & Service,** call TorcUP at **888 TORCUP1**

www.torcup.com



TorcUP
Bolting Your World

Worldwide Headquarters ★

1025 Conroy Place
Easton, PA 18040



+1-610-250-5800
888-TORCUP-1



+1-610-250-2700



sales@torcup.com

Other Locations in:

Europe

China

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Please call us for more information.