



TORC^{LLC}

TORC.COM • 1-888-444-TORC



INNOVATIVE TORQUE TECHNOLOGY



FOR OVER 30 YEARS

we manufactured Hydraulic Torque Wrenches for some of the most renown Torque Wrench Companies in the world with the lowest failure rate. Our Wrenches offer quality, durability and a highly competitive price structure achievable with what is known to be one of the most modern machining facilities in the U.S.A. for which TORC, LLC. is the selling arm.

TORC, LLC. was formed in January 2010 together with our official sales office located in Eastern Pennsylvania. As the name indicates, we are all about 'Torc', Hydraulic Torque Wrenches.

MADE IN THE USA



- BULLET-PROOF AMERICAN ENGINEERING

The critical path in Maintenance, starts and ends with bolting.

TORC took the complexity out of hydraulic torque wrenches, reduced their weight and size and improved their job-performance and reliability by use of the strongest alloys and proven mechanisms only found in tools many times the cost.

TORC is designed with your local distributor in mind. Tool maintenance and calibration has been simplified and company authorized distributors carry stock for instant delivery. Our 30 plus years in this business allows our distributors access to our application and field experience to assist you in finding the bolting solution required to improve operator safety, speed and precision.

Contact your local tool distributor or www.TORC.com and ask for a genuine TORC Tool.



**The Simplification
of Preventive Maintenance
for all heavy industries.**

THE NEW **TORC** ^{LLC} **TTX**[™]



MADE IN THE USA

LATEST TECHNOLOGY

EFFICIENCY IN INDUSTRIAL MAINTENANCE

FEATURES



Multi-position hose couplers

for no hose interference on all jobs

Push through square drive

for fast switching from tightening & loosening

Efficient mechanical design

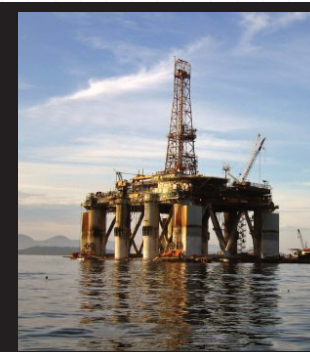
for simple and inexpensive repairs of internals

Highest quality alloys

for durability and longevity

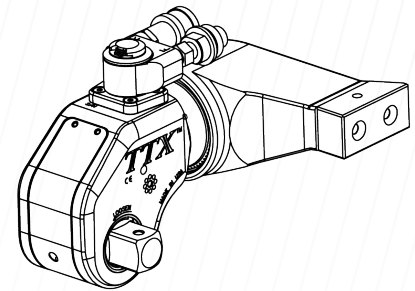
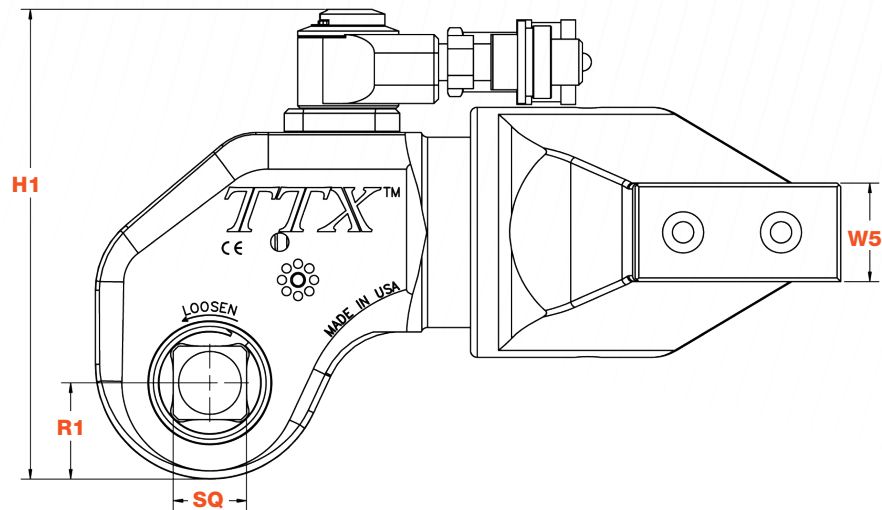
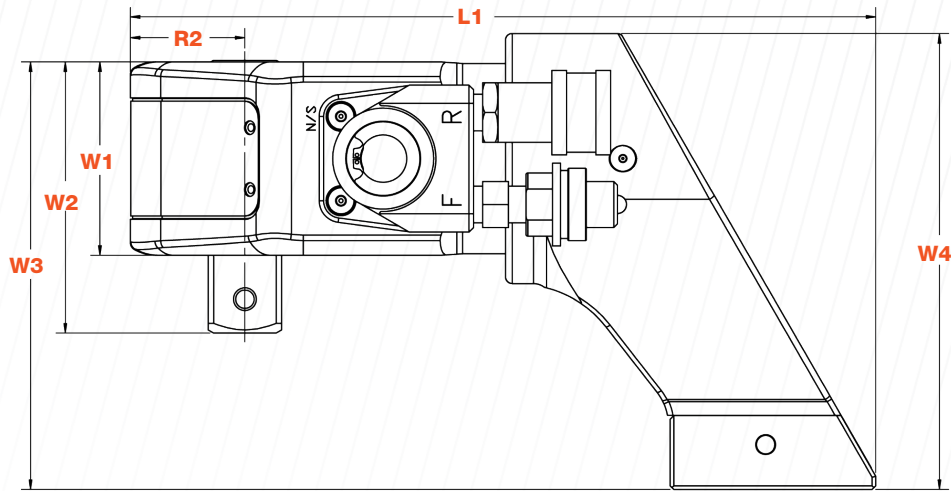
Manufactured & Assembled in the U.S.A.

high level of material and quality control



THE NEW **TORC** ^{LLC} *TTX*[™]

**CHARACTERIZED BY A DESIGN TECHNOLOGY
WITH YOUR APPLICATIONS IN MIND**



MADE IN THE USA

ENGINEERED PERFECTION

IS ACHIEVED THROUGH KNOW-HOW.

MODEL	SQ	TORQUE*	R1	L1	H1	H2	W1	W2	W3	W4	W5
TTX-1	3/4"	1,150 ft. lbs. 1.560-Nm	.99" 25,1mm	7.74" 196,6mm	4.46" 113,3mm	7.74" 196,6mm	1.97" 50,0mm	2.75" 69,7mm	4.36" 110,7mm	4.65" 118,1mm	1.00" 25,4mm
TTX-3	1"	3,060 ft. lbs. 4.150 Nm	1.31" 33,3mm	10.15" 257,8mm	5.79" 147,1mm	10.15" 257,8mm	2.63" 66,8mm	3.69" 93,7mm	5.82" 147,8mm	6.20" 157,5mm	1.34" 34,0mm
TTX-7	1-1/2"	6,980 ft. lbs. 9.460 Nm	1.85" 47,0mm	13.49" 342,6mm	7.56" 192,0mm	13.49" 343mm	3.57" 90,7mm	5.07" 128,9mm	7.86" 199,6mm	8.38" 212,9mm	1.81" 46,0mm
TTX-11	1-1/2"	11,320 ft. lbs. 15.340 Nm	1.97" 50,0mm	15.01" 381,3mm	8.51" 216,5mm	15.01" 381,3mm	3.95" 100,3mm	5.50" 139,7mm	8.72" 221,5mm	9.30" 236,2mm	2.00" 50,8mm
TTX-21	2-1/2"	20,570 ft. lbs. 27.875 Nm	2.29" 58,2mm	18.31" 465,1mm	10.51" 266,9mm	18.31" 465,1mm	4.73" 120,1mm	7.13" 181,1mm	10.46" 265,7mm	11.10" 281,9mm	2.39" 60,8mm

All tools and Pumps are subject to a 13 months free repair/replacement guaranty on failure. Data subject to change without notice. *Max. Torque Value.

MADE IN THE USA

THE NEW **TORC** ^{LLC} **TTZ**TM

SLICK, SLIM-LINE, HIGH PERFORMANCE CASSETTE TOOL



MADE IN THE USA

LIMITED CLEARANCE

TO FIT IN THE MOST CONFINED AREAS

FEATURES

Multi-position hose couplers

for no hose interference on all jobs

Simple connect hex links

for quick and easy hex size changes

Efficient mechanical design

for simple and inexpensive repairs of internals

Highest quality internal metals

for durability and long life

Manufactured & Assembled in the USA

highest levels of material and quality control

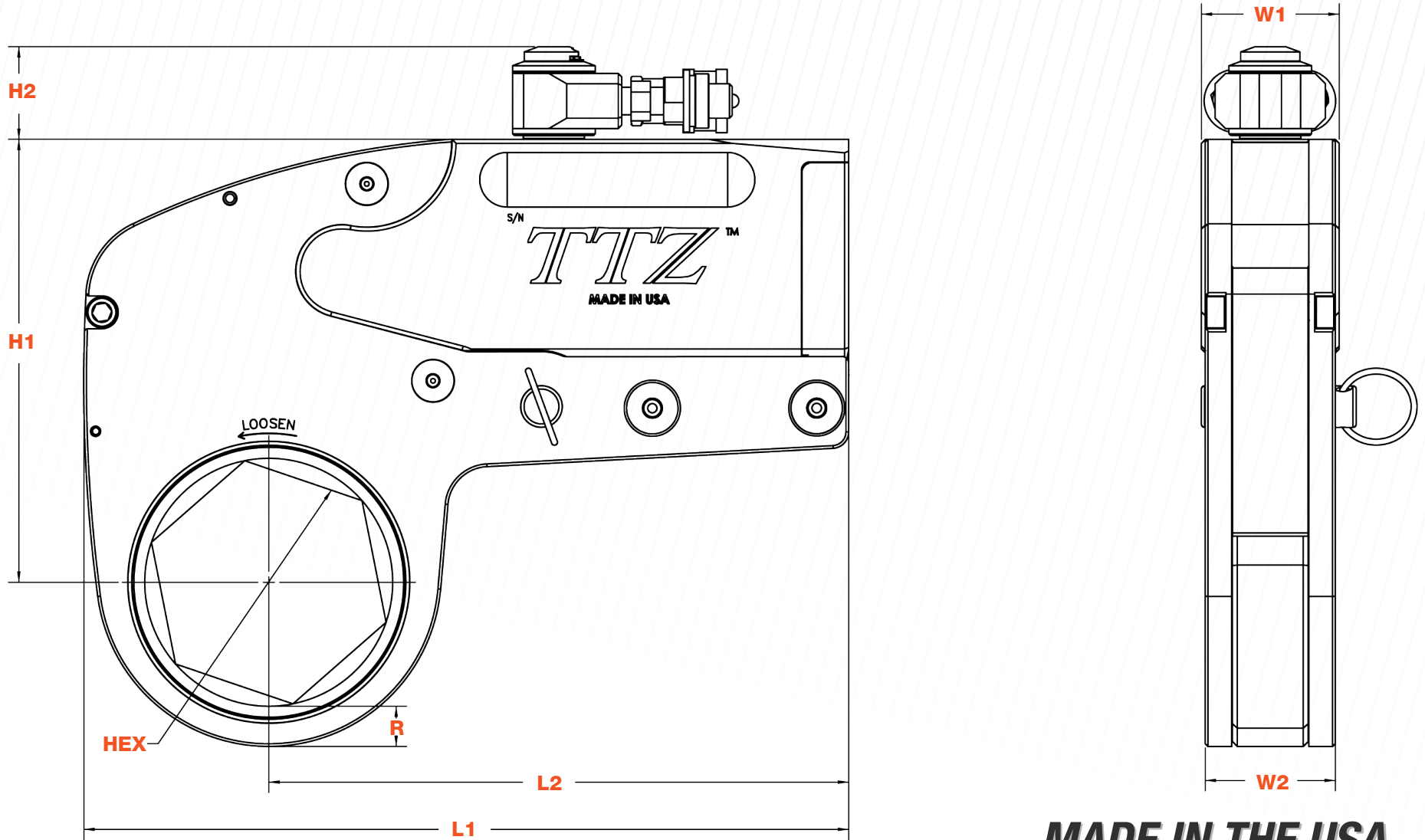
Slim design for universal fit

fits anywhere a square drive tool will not



THE NEW **TORC** *TTZ*TM LLC

SLICK, SLIM-LINE, HIGH PERFORMANCE CASSETTE TOOL



MADE IN THE USA

SLIM-LINE CASSETTE TOOL

TO ASSURE INTERFERENCE-FREE FIT

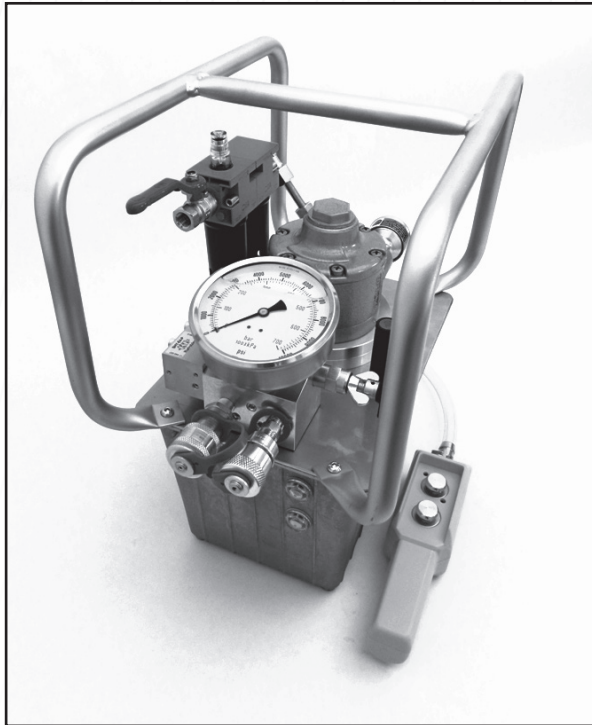
MODEL	HEX	TORQUE*	RADIUS (R)	OVERALL LENGTH (L)	LINK HEIGHT (H1)	SWIVEL HEIGHT (H2)	TOOL WIDTH (W1)	LINK WIDTH (W2)
TTZ- 1	1" - 1- 13/16" 24-46mm	980 ft. lbs. 1.356 Nm	0.30" 8,0mm	4.23" 107,0mm	3.42" 87,0mm	1.09" 27,7mm	1.06" 27,0mm	0.94" 24,0mm
TTZ- 2	1" - 2-3/8" 24-60mm	1,870 ft. lbs. 2.535-Nm	0.38" 97mm	6.97" 177,0mm	3.73" 94,7mm	1.09" 27,7mm	1.25" 31,8mm	1.13" 28,7mm
TTZ-4	1-7/16" - 3-1/8" 36-80mm	4,292 ft. lbs. 5.815 Nm	0.51" 12,9mm	9.20" 233,7mm	5.51" 140,0mm	1.68" 42,7mm	1.67" 42,4mm	1.50" 38,1mm
TTZ-8	2" - 3-7/8" 50-100mm	9,000 ft. lbs. 12.195 Nm	0.72" 18,3mm	11.62" 295,1mm	6.53" 165,9mm	1.68" 42,7mm	2.10" 53,3mm	1.89" 48,0mm
TTZ-14	2-3/4" - 4-5/8" 70-120mm	15,006 ft. lbs. 20,345 Nm	0.73" 18,5mm	13.88" 352,6mm	8.04" 204,2mm	1.68" 42,7mm	2.50" 63,5mm	2.36" 59,9mm
TTZ- 20	2-15/16" - 5" 70-130mm	21891 ft. lbs. 29.382 Nm	0.92" 23,0mm	10.93" 278,0mm	8.87" 225,0mm	1.68" 42,7mm	3.00" 76,0mm	2.89" 73,0mm
TTZ- 30	3-3/8" - 6-1/2" 85-165mm	36,409 ft. lbs. 49.363 Nm	1.00" 25,0mm	13.89" 353,0mm	10.95" 278,0mm	1.68" 42,7mm	3.75" 95,0mm	3.00" 76,0mm

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MADE IN THE USA

NEW **TORC** ^{LLC} POWER-PACKS

DURABILITY, PORTABILITY AND SPEED - OUR TRADE MARK



HIGHFLOW™ AIR

The HIGHFLOW AIR is a super high-flow, 770 cu. in. heavy duty Power Pack for hydraulic torque tools and for all 10,000 psi equipment. It is supplied with built in air filter/lubricator.



DYNAMIC™ 115/230v

When low weight and size is mandatory, no other pump can meet the performance of DYNAMIC.



HIGHFLOW™ 115/230v

The HIGHFLOW 115V/230V power pack is one of the fastest power-packs available to assure parallel joint closure faster with less passes from a safe distance.

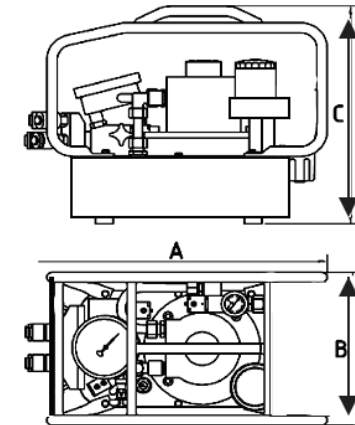
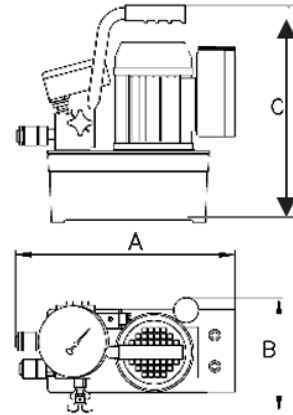
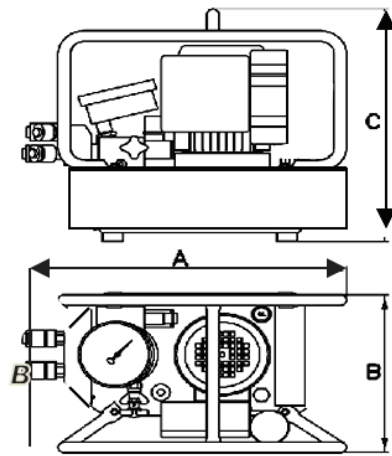


4 Port Manifold available for parallel joint closure operation.

MADE IN W. EUROPE

MORE POWER TO YOU

A POWER-PACK FOR ALL SITUATIONS



MODEL (Trademarked)	HIGHFLOW 115/230	DYNAMIC 115/230	HIGHFLOW AIR
Max. Pressure	10,000 psi/700 bar	10,000 psi/700 bar	10,000 psi/700 bar
Max. Flow at 60Hz	620 cu. in.	250 cu. in.	
Max. Flow at 50Hz	510 cu. in.	200 cu. in.	
Max. Flow			770 cu. in.
Weight without oil	57 lbs., 26 kg	27 lbs., 12 kg	46 lbs., 21 kg
Dimensions: A/B/C	19/11/16", 480/280/400mm	14/6/13", 360/170/340mm	20/11/16", 520/275/395mm

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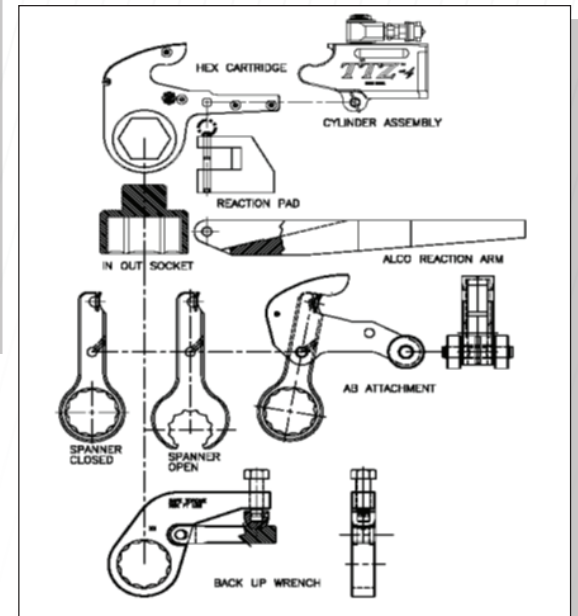
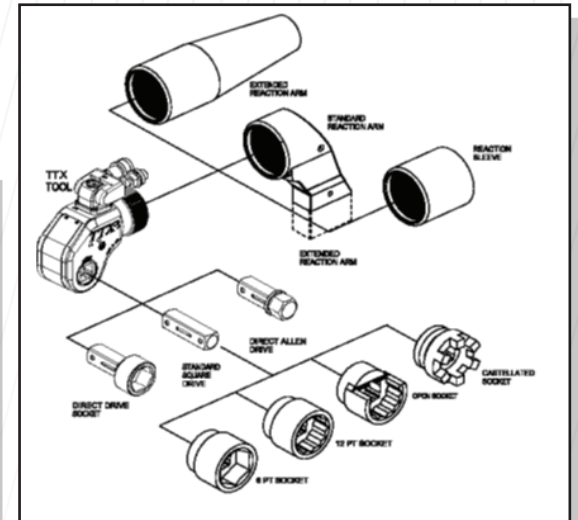
MADE IN W. EUROPE

THE ^{LLC} TORC ACCESSORIES

STATE OF THE ART ACCESSORIES IN METRIC AND IMPERIAL



MADE IN THE USA



Failure-free Joints by Means of Torque.

No matter how good the gasket or straight the flange face, if they don't come together parallel, joint failure will follow. The reason is two-fold. One because a one sided gap in the joint will eventually let fluid pass through, two because the turning friction of the nut becomes unknown as the nut is no longer turning on a face perpendicular to the bolt axis.

There are ways to achieve parallel joint closure with one single tool but it is troublesome. Its tightening procedure foresees incremental, criss-cross tightening, which is not just confusing to the tool operator but many times ignored.

TORC, LLC recommends a 4 tool manifold for simultaneous use of 4 tools or 1 tool for every 4 to 8 bolt section on a joint to assure parallel joint closure.

When operating multiple tools, safety is of utmost importance. Tool operators have to communicate clearly to avoid finger pinching as the pump operator needs to watch the needle on the gauge. As the required turning force of each nut varies initially, the needle will go from zero to the lowest torque requirement and from there it slowly climbs until the needle jumps up. That's the point when a return stroke has to be taken by the pump operator as at least one tool finished its advance stroke. This needs to be repeated. Finally the needle jumps after the first pressure build up right to the preset pressure, which is an indication that all tools turn at the same torque. Shortly thereafter when the needle jumps from zero to the preset pressure the job is done.

It takes practice and your local TORC Distributor will be pleased to teach your crew in this safe and failure free bolting procedure.

In case of questions, please feel free to hit our Emergency Button at www.TORC.com



TORC, LLC

124 ALLEGHENY ROAD, MT. BETHEL, PA 18343 USA

1-888-444-TORC • WWW.TORC.COM

MADE IN THE USA

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