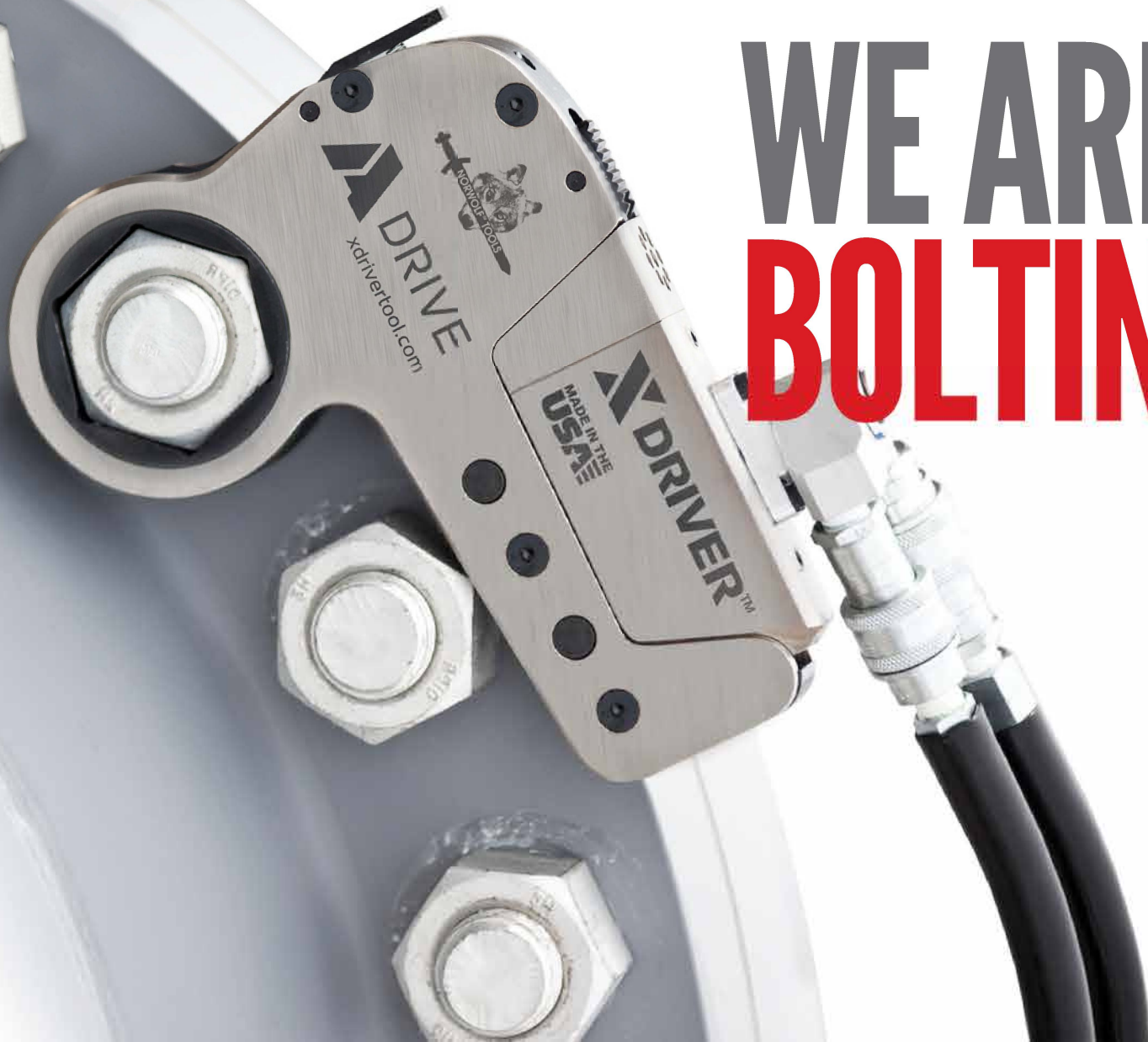


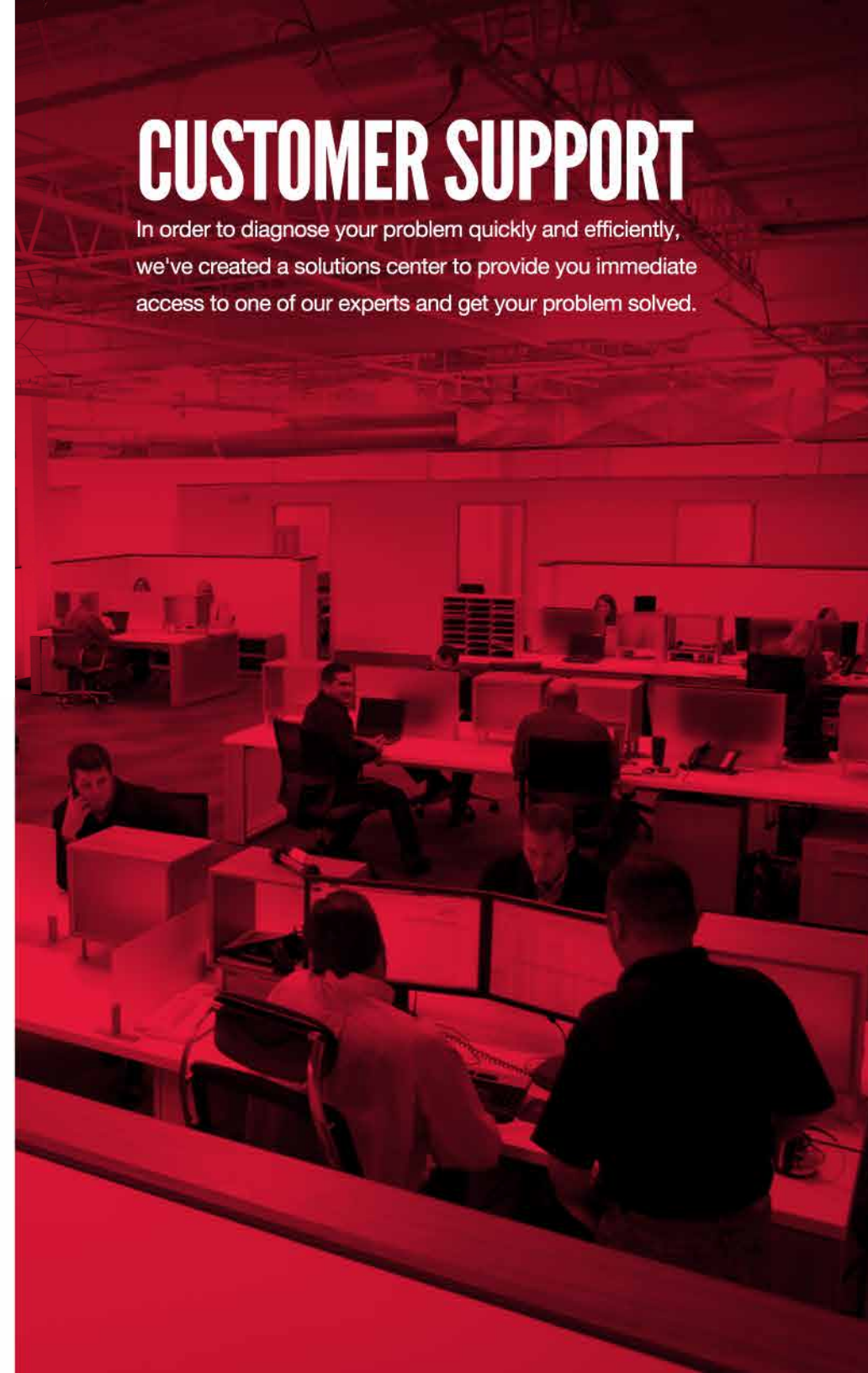


WE ARE
BOLTING



CUSTOMER SUPPORT

In order to diagnose your problem quickly and efficiently, we've created a solutions center to provide you immediate access to one of our experts and get your problem solved.



REPAIRS

From wrenches to multipliers and everything else you need, Alltite's repair facilities provide the quickest turnaround on estimates, repairs and calibrations.



The background of the entire image is a dark, high-contrast photograph of industrial machinery. It features a complex network of pipes, valves, and large bolts. The lighting is dramatic, with some areas being brightly lit while others are in deep shadow, emphasizing the metallic textures and the scale of the equipment. The overall tone is gritty and professional, reflecting the industrial nature of the services advertised.

GIVE US THE BAD ACTORS

With scalable and customized services, we ensure your tools and processes are the fastest, safest and most efficient solution for your joint maintenance programs (TA/ Outage/New build). We take pride in our services, our staff and the way we do business. When you need help with your turnaround and critical bolting applications, don't hesitate to give us a call.

Give us your bad actors. Give us your our extra large, high pressure, high temperature custom flange joints. Where others fail, we prevail. We have years of proven experience completing technical bolting services for heavy industry. From turnkey turnaround bolting to one-off projects, our scalable, motivated workforce has seen it and solved it all.

ASSURANCE (QC-QA) . BOLTING ENGINEERING . FIELD BOLTUP . TOOLING . CALIBRATION

Our solution for high-risk flange joints

Since every bolted flange joint is unique, implementing a stress free program can be difficult. Alltite's custom solutions range from stopping a leak from a single flange to designing a bolting framework for an entire plant.

Depending on your company's risk profile, bolted flange joints can be remedied with the following Alltite solutions:

QA QC TECHNICIAN

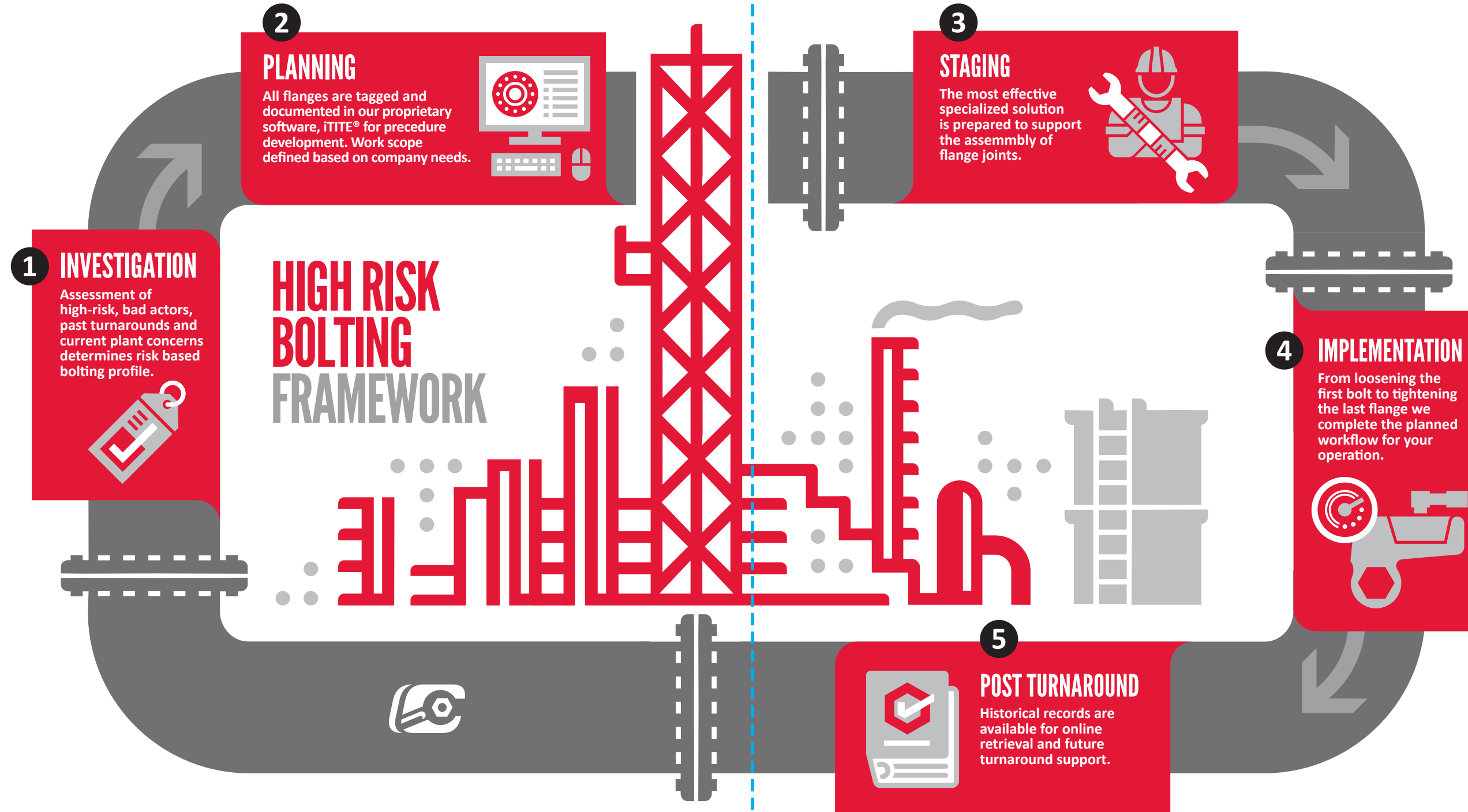
TRAILER WITH TECH

ONLINE PROCEDURE DOCUMENTATION

BOLTING SERVICES

BOLTING SUPERVISION

ONSITE TRAINING



FLANGE TAGGING

Every flange is analyzed, tagged and uploaded to our proprietary software.

The flange is then tagged with a specific procedure that identifies an exact bolt load.

This procedure is then utilized during inspection, planning, implementation and post-turnaround sign-off.

MOTIVATED TECHNICIANS

Alltite's onsite labor management utilizes motivated technicians dedicated to doing the job right. The staff not only have their OSHA 10 Hour, JSA's, and are DISA certified. They have also been trained in Alltite's ASME PCC-1, Appendix A Training.

CONFIDENT START-UPS

When the power is turned back on, Alltite is there providing peace-of-mind. Online historical records of each joint are kept to repeat positive results for future turnarounds.

PETROCHEMICAL PLANTS BOLTING SOLUTIONS



BEFORE WE GO: Our online ASME PCC -1 procedure building tool, iTITE, links to calibrated tools. Onsite torque updates real time with GPS. Entire jobs are uploaded and updated securely in the cloud.



OUR MOBILE TECHS: We send certified, highly trained bolting technician specialists to your site. They torque and tension all your bolts with smart tools. You get proof-of-work bolt data sheets.



THE DATA'S ALL YOURS: From here on out, you're digital and audit-free. The software records the date for each connection and sets a next-service interval. Alerts are sent for failed or expired torque checks.



CLOUD ACCESS FOREVER: System managers login from anywhere, via secure browser. Users can extract, transform and load data into your system through OData Protocol.



LOSE THE AUDIT, KEEP THE DATA

Then it's done – for good. Better. Right? Call for an audit-free bolted flange service quote. Get it back today.





ONLINE DOCUMENTATION

Our proprietary software, iTITE™, provides a cloud-based compliance framework to mitigate risk due to unwanted variances in the bolting process. iTITE calculates bolt load based on the three limiting factors: the flange, the bolt and the gasket—rather than on the bolt alone.

iTITE then converts the bolt load into a torque or tension value and applies it to an assembly procedure using the latest ASME PCC-1 engineered standard. Our calibration software, TorqueWare®, integrates with iTITE documenting calibration data into the historical record of the flange. Now every flange is start-up ready, documented, tagged and tightened with the right tool.



Customized Tool Trailers

For turnaround construction, troubleshooting and field repairs, Alltite provides customizable packages including fully-outfitted tool trailers and on-site repair technicians.

Refineries and Plant Capabilities

- Reactors
- Exchangers
- ANSI flanges
- Process piping
- Delta valves
- Manways
- Nozzle flanges
- API flanges
- Valves
- Couplings
- Boilers

Audited by

- ISNetwork
- PICS
- Veriforce
- A2LA



ATP
AWS
CDI Torque
Products
Equalizer
Fastorq
Fluke
Gearench
Grey
Pneumatic
HiForce
Hydratight
Jet Lube
Lokrite
Michigan
Pneumatic
Muskegon
Norwolf
Pelican
Piper Backup
Powerteam
Precision
Instruments
Royal Purple
Shipman
Bolt Cleaners
Simplex
SnapOn
SPX / PowerTeam
Stahlwille
TechCal
TorcUp
TorqLite
Wren
X-4
Geartronics

BUY

We maintain the industry's
most comprehensive selection
of vendors and tools.

Get equipped

- Hydraulic Torque Wrenches
- Storage Cases
- Bolt Cleaners
- Pumps
- Sockets
- Hoses – 10,000 Psi
- Stud Tensioners
- Flange Spreaders
- Nut Splitters
- Gear Multipliers
- Seal Kits
- Alignment Tools
- Oils/Lubricants

RENT

What we sell, we also
rent. Serviced, calibrated
and ready to perform.

CUSTOMIZED TOOL RENTAL TRAILERS

For turnaround construction, troubleshooting and field repairs, Alltite provides customizable packages including fully-outfitted tool trailers and an on-site repair and calibration technicians.





SERVICE & SUPPORT

The X Driver is supported by Alltite with authorized repair facilities at our headquarters in Wichita, KS. We pride ourselves on providing optional 24-hour turnaround on repair, estimates and calibrations. Repairs requiring special orders parts take longer, but most repairs are completed within 48 hours of receipt of your purchase order. Once repaired, all equipment is duty-cycled under load in our proprietary testing facility and tagged when ready for service.

TOOL RENTAL

The only thing better than owning an X Driver System is renting one. Renting gives you the peace-of-mind knowing your hydraulic wrench system is always calibrated and maintained so you can focus on what’s important, getting more work done in the field.

CALIBRATION SERVICES

Alltite and MobileCal’s in-house calibration laboratories are prepped and ready to service all your X Driver Hydraulic Torque Wrench System needs. Our laboratories are meticulously stocked, maintained and staffed by calibration personnel with extensive tool-specific and hydraulic torque wrench training. Our goal is to clean, test, repair and calibrate your tools in less than 24 hours, making our turnaround the fastest in the industry. We also offer flexible service locations in our accredited A2LA facility or on-site.

ALLTITE ALSO PROVIDES

- Customized tool trailers rentals
- Bolting rentals and repairs
- Calibrations
- Training



INDUSTRIES & APPLICATIONS

The X Driver System brings new solutions to old problems. Maintaining a large inventory, our permanent headquarters in Wichita, KS is centrally located for tool shipments and service truck transports to anywhere in the US. The X Driver System comes fully calibrated, is NIST-traceable and guaranteed to work, even in the worst conditions.

LEARN MORE

Get in touch with us today to find out more about the X Driver System.

www.xdrivertool.com
Toll Free 800.498.6721
1600 East Murdock
Wichita, Kansas 67214

OILFIELD

BOP | API flanges | wellheads
mud pumps | frac pumps

WIND

tower sections | gear box
blade bolts | pan drives

NATURAL GAS TRANSMISSION

main bearings | foundation bolts
cylinder heads | cylinder base bolts

PIPELINE

flanges | valves | fittings | pig launchers | meters

REFINING

heat exchangers | reactor heads | ANSI flanges

FERTILIZER INDUSTRY

waste heat boilers

primary reactors | ANSI flanges

MINING & ROLLING EQUIPMENT

track bolts | sprocket segments
turntables | cutting edges | crushers

POWER GENERATION

turbine casings | crossover flanges
valves | feed pumps | HP/IP/LP

RAILROAD SERVICE

track bolts | crab nuts | traction motors

ACCESSORIZE YOUR X DRIVER



CUSTOM PELICAN CASE SET

The perfect case to house your X Driver system. Choose your system and your case will be laser cut to fit your tools for safe keeping and transportation.

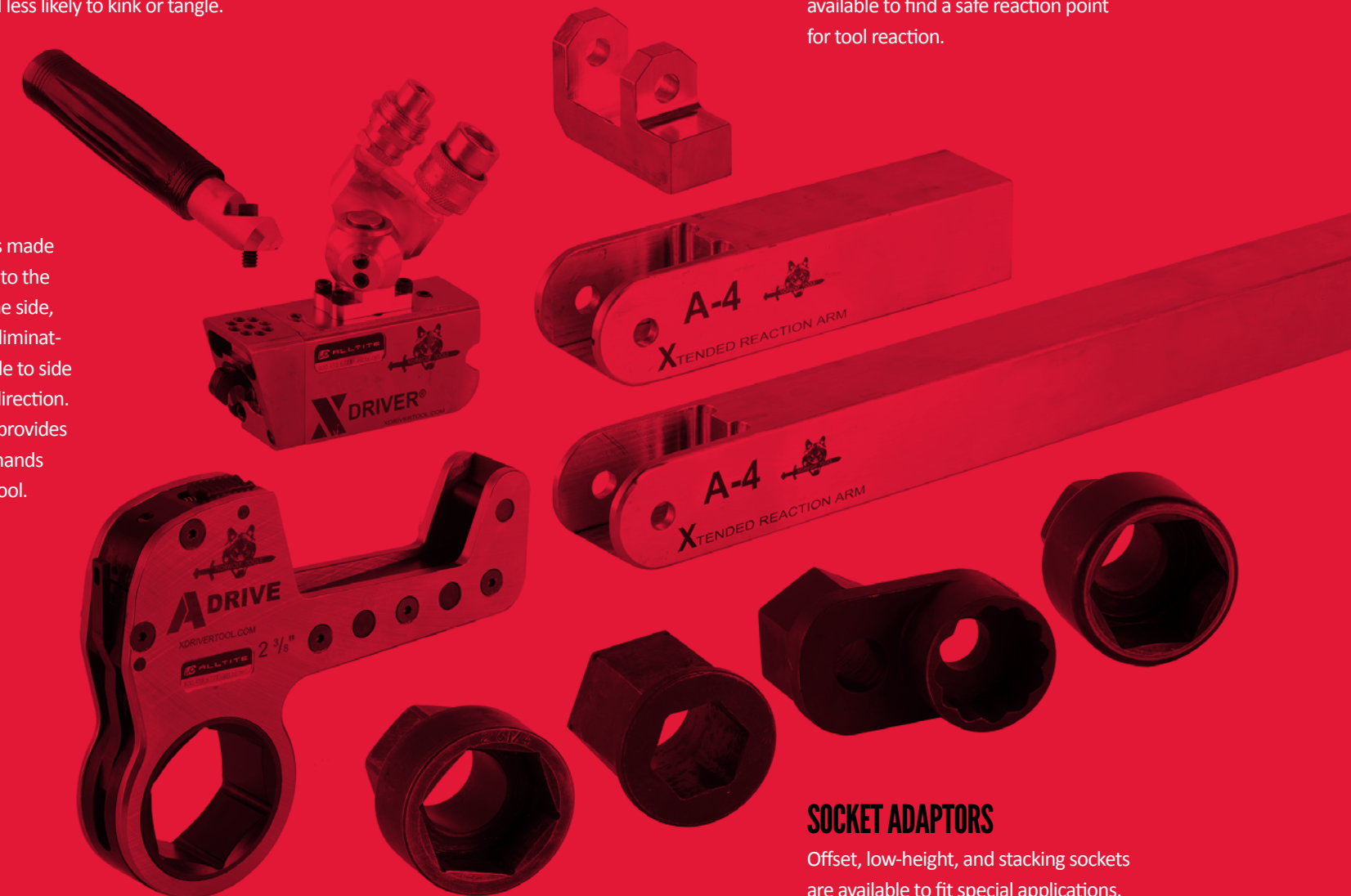
*Multiple Patents Pending

HOSE ADAPTOR

By adding an optional hose adaptor, you can have your X Driver hoses swivel 360 x 360 making your hoses easier to manage and less likely to kink or tangle.

SAFETY HANDLE

The X Driver handle is made of metal and mounts to the top of the tool, not the side, ensuring usage and eliminating switching from side to side when changing tool direction. Mounted on the top provides a safe place for your hands while mounting the tool.



REACTION ARMS

When a standard reaction is unavailable, special extended reaction arms are available to find a safe reaction point for tool reaction.

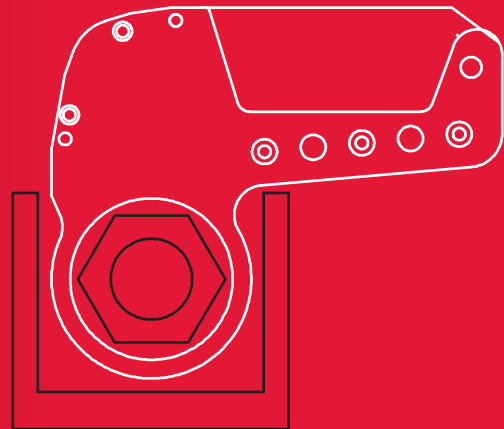
SOCKET ADAPTORS

Offset, low-height, and stacking sockets are available to fit special applications.

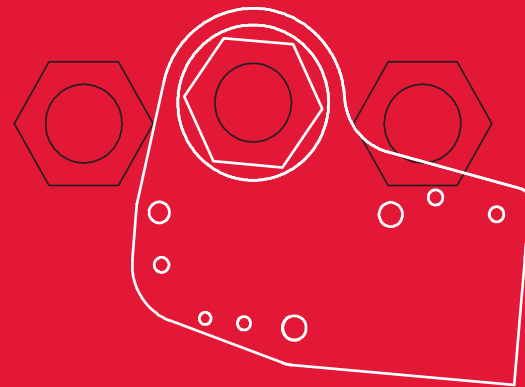
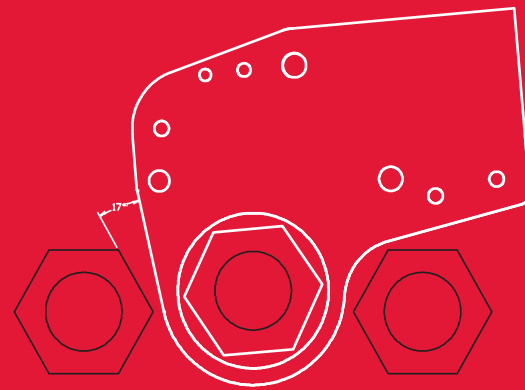
FASTEST TO FIT

X Driver fits more applications than any other wrench.

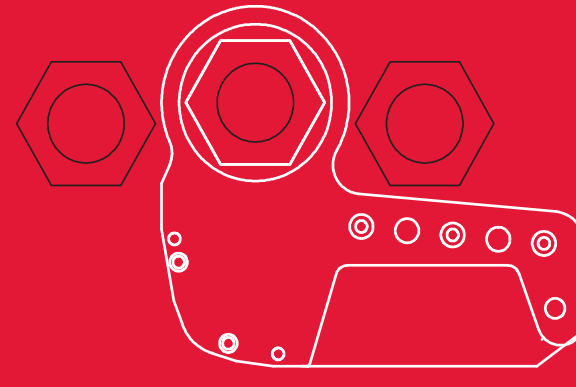
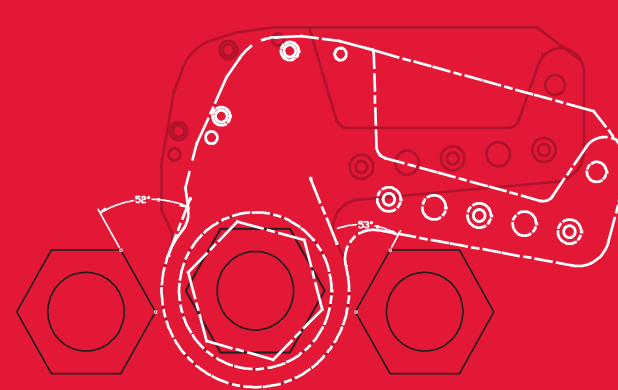
Our patented design curve creates the longest throat reach allowing the widest approach angle to fit the tool on the nut, easily, without jogging or manually moving the ratchet. This curve makes the X-Driver the fastest to fit, in the industry, on both in-line and inverted applications.



Competitive Tool Design Profile



X Driver Design Profile



A DRIVE SAFETY

A LONG REACH

Designed for API flanges, the longer reach increases the approach angle for tool application to eliminate “jogging” the tool with the pump while holding the tool to align the hexes allowing the tool to drop onto the nut. This practice has led to operator injury in the past.

HANDS-FREE

The catch lever holds the tool against the reaction point on the piston retract preventing the operator from holding the tool against the reaction area during tool kick-back on the retract stroke.

CATCH LEVER

The X Driver has a second pawl, holding pawl, or “catch lever” on the ratchet which serves several important safety functions. The pawl drops in place on the torque stroke, allowing the wrench to capture the full stroke of the piston.

A PERFECT TOOL FOR PERFECT PLACEMENT

The placement of the tool handle is located on the top of the tool instead of the side as this type of handle usage creates a potential pinch point. The location where this tool attaches keeps hands from being forced into the side of the top flange as the wrench operates.

By mounting the handle at the top of the wrench there is no need for the handle to be removed and re-installed when changing from tightening to loosening. This will enable the operator to adopt handle usage in normal practice and increase the safety of your operations.

*Patented design to prevent damage to hands and loss of fingers.



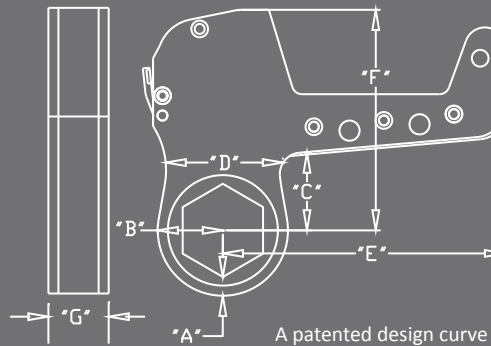


Keeping a low profile.

The A Drive is the hex link that the power head locks into, allowing it to fit onto hex nuts in low profile applications like well heads and BOP's. The A Drive has a larger reaction area. There are no roll pins, just screws. Taking apart the drive for repair is simple—there's no need to pry it apart like other hex links. All the screws are the same hex wrench with uniform screws in all sizes of the drives.

Less parts. More guts.

A time tested, three-part design, the A Drive only consists of the drive pawl, the ratchet and the drive gear. Other hex links have many moving parts, increasing breakdowns and complex repairs. The A Drive is more than simple. It's fast. Upon testing, the A Drive is 10-50 percent faster than other hydraulic wrenches. The A Drive has an optional holding pawl. With it, hands-free operation is possible, without it an “anti-lock” feature is possible.



A-2

Max. Torque: 1,600 Ft. Lbs.

Description	A	B	C	D	E	F	G
A-2 with 1-1/16" hex	.375"	.987"	1.50"	1.55"	5.264"	4.10"	1.125"
A-2 with 1-1/4" hex	.375"	1.096"	1.50"	1.77"	5.264"	4.10"	1.125"
A-2 with 1-7/16" hex	.375"	1.204"	1.50"	1.99"	5.264"	4.10"	1.125"
A-2 with 1-5/8" hex	.375"	1.312"	1.50"	2.20"	5.264"	4.10"	1.125"
A-2 with 1-13/16" hex	.375"	1.420"	1.50"	2.42"	5.264"	4.10"	1.125"
A-2 with 2" hex	.375"	1.529"	1.50"	2.64"	5.264"	4.10"	1.125"
A-2 with 2-3/16" hex	.375"	1.639"	1.50"	2.86"	5.264"	4.10"	1.125"
A-2 with 2-3/8" hex	.375"	1.760"	1.50"	3.10"	5.264"	4.10"	1.125"

A-16

Max. Torque: 13,025 Ft. Lbs.

Description	A	B	C	D	E	F	G
A - 16 with 2-3/4" hex	.75"	2.38"	3.00"	4.13"	10.53"	8.20"	2.25"
A - 16 with 2-15/16" hex	.75"	2.45"	3.00"	4.27"	10.53"	8.20"	2.25"
A - 16 with 3-1/8" hex	.75"	2.55"	3.00"	4.47"	10.53"	8.20"	2.25"
A - 16 with 3-1/2" hex	.75"	2.77"	3.00"	4.91"	10.53"	8.20"	2.25"
A - 16 with 3-7/8" hex	.75"	2.97"	3.00"	5.31"	10.53"	8.20"	2.25"
A - 16 with 4-1/4" hex	.75"	3.20"	3.00"	5.77"	10.53"	8.20"	2.25"
A - 16 with 4-5/8" hex	.75"	3.42"	3.00"	6.21"	10.53"	8.20"	2.25"
A - 16 with 5" hex	.75"	3.64"	3.00"	6.65"	10.53"	8.20"	2.25"

A-32

Max. Torque: 30,850 Ft. Lbs.

Description	A	B	C	D	E	F	G
A - 32 with 3-1/2" hex	1.00"	3.02"	4.00"	5.20"	14.00"	10.94"	3.00"
A - 32 with 3-7/8" hex	1.00"	3.24"	4.00"	5.64"	14.00"	10.94"	3.00"
A - 32 with 4-1/4" hex	1.00"	3.45"	4.00"	6.06"	14.00"	10.94"	3.00"
A - 32 with 4-5/8" hex	1.00"	3.67"	4.00"	6.50"	14.00"	10.94"	3.00"
A - 32 with 5" hex	1.00"	3.89"	4.00"	6.94"	14.00"	10.94"	3.00"
A - 32 with 5-3/8" hex	1.00"	4.10"	4.00"	7.36"	14.00"	10.94"	3.00"
A - 32 with 5-3/4" hex	1.00"	4.32"	4.00"	7.80"	14.00"	10.94"	3.00"
A - 32 with 6-1/8" hex	1.00"	4.54"	4.00"	8.24"	14.00"	10.94"	3.00"

A-4

Max. Torque: 3,860 Ft. Lbs.

Description	A	B	C	D	E	F	G
A-4 with 1-13/16" hex	.50"	1.55"	2.00"	2.68"	7.02"	5.47"	1.50"
A-4 with 2" hex	.50"	1.66"	2.00"	2.90"	7.02"	5.47"	1.50"
A-4 with 2-3/16" hex	.50"	1.76"	2.00"	3.10"	7.02"	5.47"	1.50"
A-4 with 2-3/8" hex	.50"	1.87"	2.00"	3.32"	7.02"	5.47"	1.50"
A-4 with 2-9/16" hex	.50"	1.98"	2.00"	3.54"	7.02"	5.47"	1.50"
A-4 with 2-3/4" hex	.50"	2.09"	2.00"	3.76"	7.02"	5.47"	1.50"
A-4 with 2-15/16" hex	.50"	2.20"	2.00"	3.98"	7.02"	5.47"	1.50"
A-4 with 3-1/8" hex	.50"	2.30"	2.00"	4.18"	7.02"	5.47"	1.50"

A-8

Max. Torque: 7,540 Ft. Lbs.

Description	A	B	C	D	E	F	G
A-8 with 2-3/16" hex	.625"	1.94"	2.50"	3.36"	8.78"	6.84"	1.88"
A-8 with 2-3/8" hex	.625"	2.08"	2.50"	3.64"	8.78"	6.84"	1.88"
A-8 with 2-9/16" hex	.625"	2.20"	2.50"	3.86"	8.78"	6.84"	1.88"
A-8 with 2-3/4" hex	.625"	2.34"	2.50"	4.16"	8.78"	6.84"	1.88"
A-8 with 2-15/16" hex	.625"	2.48"	2.50"	4.44"	8.78"	6.84"	1.88"
A-8 with 3-1/8" hex	.625"	2.61"	2.50"	4.70"	8.78"	6.84"	1.88"
A-8 with 3-1/2" hex	.625"	2.75"	2.50"	4.98"	8.78"	6.84"	1.88"
A-8 with 3-7/8" hex	.625"	2.88"	2.50"	5.24"	8.78"	6.84"	1.88"

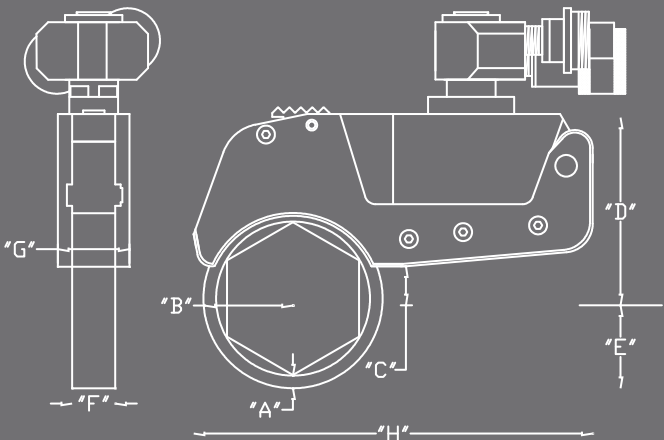


It goes where others can't.

The M Drive is a special application tool for hyper-low clearance applications like BOP's. It has no holding pawl, is lightning fast and has the flattest drive width in the X Driver family. There are no roll pins. A longer lever arm allows for a 40 degree stroke, which is what gives the hex link its amazing speed. The M Drive is specifically made for the tightest BOP applications (such as a 7" 10m) where no others can fit.

Three choices of hex links.

- 1) A totally enclosed ratcheting hyper low-profile hex link.
- 2) A non-ratcheting spanner link.
- 3) A swing-open non-ratcheting link fitting around jam nuts.



M-2

Max. Torque: 1,300 Ft. Lbs.

Description	A	B	C	D	E	F	G	H
M-2 with 1-1/16" hex	.375"	.99"	.611"	3.28"	.99"	.75"	1.25"	6.96"
M-2 with 1-1/4" hex	.375"	1.10"	.611"	3.28"	1.10"	.75"	1.25"	6.96"
M-2 with 1-7/16" hex	.375"	1.20"	.611"	3.28"	1.20"	.75"	1.25"	6.96"
M-2 with 1-5/8" hex	.375"	1.31"	.611"	3.28"	1.31"	.75"	1.25"	6.96"
M-2 with 1-13/16" hex	.375"	1.42"	.611"	3.28"	1.42"	.75"	1.25"	6.96"
M-2 with 2" hex	.375"	1.53"	.611"	3.28"	1.53"	.75"	1.25"	6.96"
M-2 with 2-3/16" hex	.375"	1.64"	.611"	3.28"	1.64"	.75"	1.25"	6.96"
M-2 with 2-3/8" hex	.375"	1.75"	.611"	3.28"	1.75"	.75"	1.25"	6.96"

M-4

Max. Torque: 3,080 Ft. Lbs.

Description	A	B	C	D	E	F	G	H
M-4 with 1-13/16" hex	.50"	1.55"	.815"	4.38"	1.55"	1.00"	1.67"	9.28"
M-4 with 2" hex	.50"	1.65"	.815"	4.38"	1.65"	1.00"	1.67"	9.28"
M-4 with 2-13/16" hex	.50"	1.76"	.815"	4.38"	1.76"	1.00"	1.67"	9.28"
M-4 with 2-3/8" hex	.50"	1.87"	.815"	4.38"	1.87"	1.00"	1.67"	9.28"
M-4 with 2-9/16" hex	.50"	1.98"	.815"	4.38"	1.98"	1.00"	1.67"	9.28"
M-4 with 2-3/4" hex	.50"	2.09"	.815"	4.38"	2.09"	1.00"	1.67"	9.28"
M-4 with 2-15/16" hex	.50"	2.19"	.815"	4.38"	2.19"	1.00"	1.67"	9.28"
M-4 with 3-1/8" hex	.50"	2.30"	.815"	4.38"	2.30"	1.00"	1.67"	9.28"

M-8

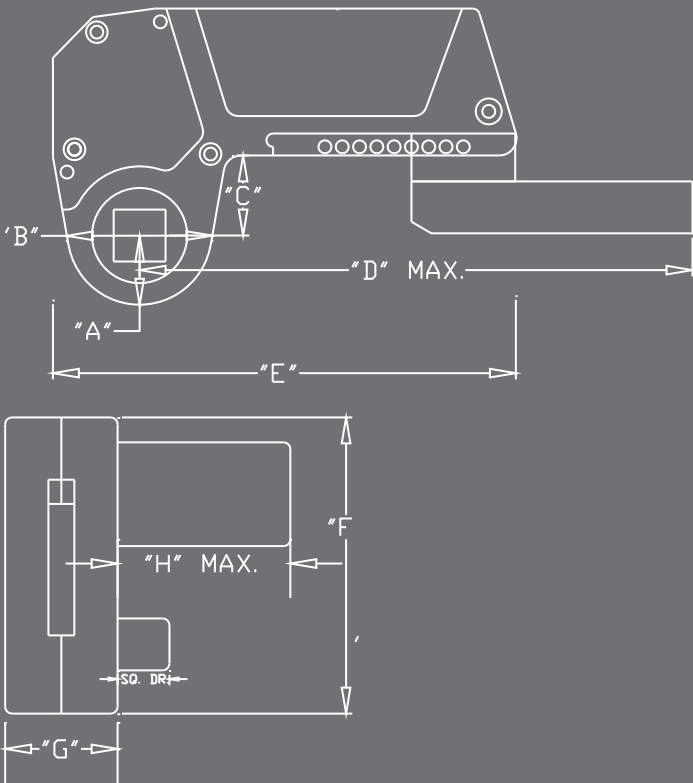
Max. Torque: 6,000 Ft. Lbs.

Description	A	B	C	D	E	F	G	H
M-8 with 2-3/16" hex	.625"	1.89"	1.02"	5.47"	1.89"	1.25"	2.09"	11.60"
M-8 with 2-3/8" hex	.625"	2.00"	1.02"	5.47"	2.00"	1.25"	2.09"	11.60"
M-8 with 2-9/16" hex	.625"	2.10"	1.02"	5.47"	2.10"	1.25"	2.09"	11.60"
M-8 with 2-3/4" hex	.625"	2.21"	1.02"	5.47"	2.21"	1.25"	2.09"	11.60"
M-8 with 2-15/16" hex	.625"	2.32"	1.02"	5.47"	2.32"	1.25"	2.09"	11.60"
M-8 with 3-1/8" hex	.625"	2.43"	1.02"	5.47"	2.43"	1.25"	2.09"	11.60"
M-8 with 3-7/8" hex	.625"	2.86"	1.02"	5.47"	2.86"	1.25"	2.09"	11.60"



The fastest, most versatile square drive.

The V Drive completes the X Driver system with a dedicated square drive. Lock in the X Driver to complete the tool. The V Drive boasts a 40 degree power stroke making the tool 30 percent faster per stroke. With a push through square drive, reaction pawl, lack of shroud and aluminum body, the V Drive is the tool of choice for socket driven applications.



Get the biggest reaction.

The multiplane universal V Drive reaction arm has the largest reaction area of any tool. There are eight different settings along the length of the tool, 360 degree adjustability and height adjustable settings to fit more applications than ever.

Model	A	B	C	D	E	F	G	H
V-2	1.00"	2.10"	1.16"	8.00"	6.88"	4.28"	1.63"	2.50"
V-4	1.33"	2.80"	1.55"	10.67"	9.17"	5.70"	2.17"	3.33"
V-8	1.66"	3.50"	1.94"	13.33"	11.46"	7.13"	2.71"	4.16"
V-16	2.00"	4.20"	2.33"	16.00"	13.75"	8.55"	3.26"	5.00"
V-32	2.66"	5.60"	3.10"	21.34"	18.34"	11.40"	4.34"	6.66"
V-64	3.33"	7.00"	3.88"	26.68"	22.93"	14.25"	5.43"	8.33"

Model	Square Drive	Maximum Torque @10k PSI	
V-2	.75"	1,300 ft. lbs.	1,762 Nm
V-4	1.00"	3,080 ft. lbs.	4,175 Nm
V-8	1.50"	6,015 ft. lbs.	8,155 Nm
V-16	1.50"	10,400 ft. lbs.	14,100 Nm
V-32	2.50"	24,650 ft. lbs.	33,420 Nm
V-64	2.50"	48,125 ft. lbs.	65,250 Nm

CALIBRATION

The A2LA accredited calibration laboratories, available in-house and onsite, service all torque-related products including:

- Electronic
- Hydraulic
- Pneumatic
- Manual torque wrenches
- Chart recorders
- Digital multi meters
- Pressure gauges

We calibrate what we sell.



Certification # 3040.01

Calibration tracking at your fingertips

Alltite's cutting-edge software, TorqueWare, a tool calibration database, offers the most advanced and accessible documentation system on the market – available 24/7 online.



The industry's most comprehensive selection of vendors, tools, equipment rentals and tool rental trailers, Alltite® gives your team the best equipment for the job and your sites. We are always stocked and prepared for any bolting situation, anywhere.



Where we currently Support Clients

- Wood Buffalo Alberta.
- Red Deer Alberta
- Fort St John, BC
- Grande Prairie Alberta.



NORTH AMERICA

Primary Office : Edmonton AB