

AutoTORQ Ratchet Wrenches

Inline and Square Drive



IU-XL

- Require Minimum Clearance
- Breakthrough design
- Fits almost any application
- Ratcheting capacities from 100 to 50,000 ft/lb torque



SU-XL

- Patented, time-tested, proven design
- Cost-effective
- No pinch points, lighter weight
- Wide range of applications
- Ratcheting capacities from 100 to 60,000 ft/lb torque



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2013

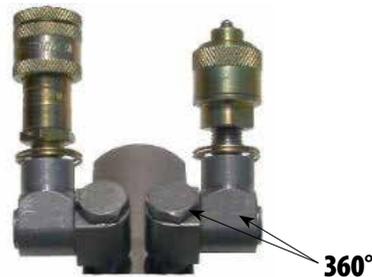
IU-XL Series Inline Ratchet Wrench

Inline ratcheting wrenches require minimum clearance, while applying torque on the same plane as the nut, providing a marked improvement over square drive socket wrenches. Our patented design breakthrough reduced the overall dimensions of the inline ratcheting head, allowing it to fit almost every application. Our IU-XL Series tool capacities range from 100 to 50,000 foot pounds of torque, using a 10,000 PSI hydraulic pump.

- **Inline Ratchet** – Standard fractional head sizes from 3/4" nuts across the flats. Metric and special sizes available.
- **Precision Machined** – Increases accuracy, durability and repeatability.
- **Unibody** – Eliminates "Pinch Points"
- **360° Swivel Fittings** – Patented fittings allow hose movement without hose binding. Stainless steel with fewer moving parts - a great improvement over competitors' delicate design. See single plane swivel fittings shown on the wrench illustrated above.
- **Slotted Piston Rod** – Maintains 90o relationship between piston rod and nut. Increases accuracy. Reduces number of moving parts.
- **Cylinder** – Made of TLT-6 durable, high-strength, lightweight aircraft alloy with the same sturdy, dependable and accurate design (as steel cylinder).
- **Reaction Pad** – Reacts against adjacent nut. No reaction member necessary.
- **Drive Pin Design (patented)** – Reduces overall dimensions of hex head, including a thinner "nose" radius. Fits more applications, including all 57 API flanges.
- **Coated** – All exposed parts to resist corrosion.
- **Light/Ergonomic** – Reduces operator fatigue.
- **Calibrated** – Every tool is tested and calibrated to +/- .03 accuracy, traceable to N.I.S.T.
- **Warranty** – IU-XL Series wrenches come with a 3 Year - 2 Tier Warranty, which is the best standard warranty on the market today.



Extra light, dependable, and fits where others cannot.



Dual Plane Swivel Fittings Available Upon Request



IU-XL Series Inline Ratchet Wrench

IU-XL Series	Max Ft. Lbs. @ 10,000 PSI	Length	Height	Body Width	Head Width	Range	Weight w/ head
IU-1XL	1,350	6.250"	4.00"	1.100"	.950"	3/4" – 2"	7.25 lbs.
IU-3XL	3,300	7.000"	5.750"	1.450"	*1.075" or •1.200"	1-1/4" – 2-15/16"	9.25 lbs.
IU-7XL	7,200	9.750"	6.250"	1.500"	1.500"	2" – 3-7/8"	14.00 lbs.
IU-10XL	10,600	9.250"	8.000"	1.950"	1.950"	2-3/8" – 4-1/4"	24.50 lbs.
IU-17XL	17,100	11.250"	9.250"	1.950"	2.450"	2-3/4" – 5-3/8"	42.00 lbs.
IU-25XL	25,600	11.250"	9.250"	2.900"	2.950"	3-1/2" – 5-3/4"	57.00 lbs.
IU-50XL	50,000	15.375"	10.500"	2.900"	2.950"	4-5/8" – 7-1/4"	85.00 lbs.

Steel Cylinders Only * 1-1/4 to 2" Heads • 2-3/16" to 2-15/16" Heads

IU-1XL Heads		
ATF	Rad.	P/R
3/4"	1.07"	0.41"
1-1/16"	1.18"	0.34"
1-1/4"	1.29"	0.34"
1-7/16"	1.40"	0.34"
1-5/8"	1.51"	0.34"
1-13/16"	1.61"	0.34"
2"	1.72"	0.34"

IU-3XL Heads		
ATF	Rad.	P/R
1-1/4"	1.38"	0.35"
1-7/16"	1.46"	0.35"
1-5/8"	1.57"	0.35"
1-13/16"	1.70"	0.40"
1-7/8"	1.79"	0.46"
2"	1.79"	0.40"
2-3/16"	1.90"	0.40"
2-3/8"	1.97"	0.40"
2-9/16"	2.12"	0.46"
2-3/4"	2.24"	0.46"
2-15/16"	2.36"	0.46"

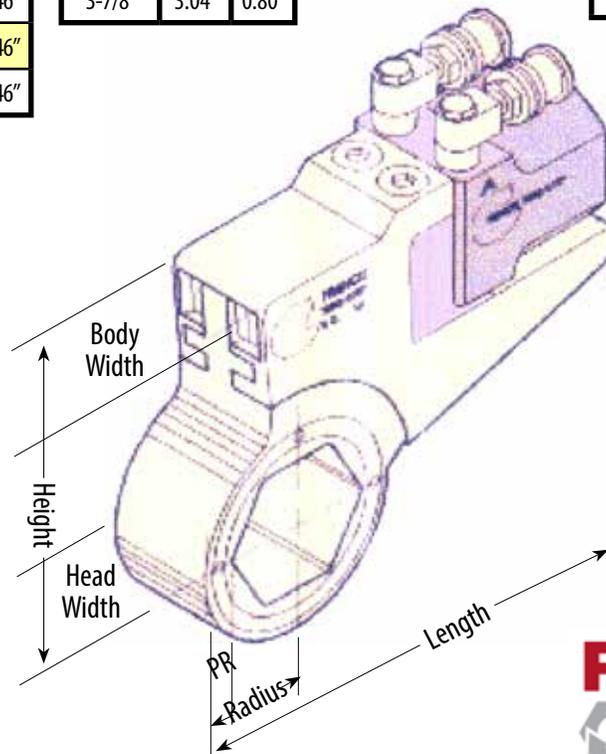
IU-7XL Heads		
ATF	Rad.	P/R
2"	1.80"	0.47"
2-3/16"	1.88"	0.47"
2-3/8"	2.02"	0.47"
2-9/16"	2.15"	0.47"
2-3/4"	2.40"	0.55"
2-15/16"	2.55"	0.50"
3-1/8"	2.62"	0.55"
3-1/2"	2.85"	0.85"
3-7/8"	3.04"	0.80"

IU-10XL Heads		
ATF	Rad.	P/R
2-3/8"	2.02"	0.45"
2-9/16"	2.15"	0.47"
2-3/4"	2.40"	0.55"
2-15/16"	2.55"	0.50"
3-1/8"	2.62"	0.55"
3-1/2"	2.85"	0.85"
3-7/8"	3.07"	0.85"
4-1/4"	3.26"	0.85"

IU-17XL Heads		
ATF	Rad.	P/R
2-3/4"	2.50"	0.90"
2-15/16"	2.62"	0.90"
3-1/8"	2.70"	0.90"
3-1/2"	2.90"	0.90"
3-7/8"	3.18"	0.95"
4-1/4"	3.35"	0.96"
4-5/8"	3.58"	0.96"
5"	3.90"	1.00"
5-3/8"	4.10"	1.00"

IU-25XL Heads		
ATF	Rad.	P/R
3-1/2"	2.90"	0.87"
3-7/8"	3.18"	0.95"
4-1/4"	3.35"	0.90"
4-5/8"	3.58"	0.90"
5"	3.85"	0.96"
5-3/8"	4.10"	1.00"
5-3/4"	4.32"	1.02"

IU-50XL Heads		
ATF	Rad.	P/R
4-5/8"	3.92"	1.25"
5"	4.13"	1.25"
5-3/8"	4.35"	1.25"
5-3/4"	4.57"	1.25"
6-1/8"	4.78"	1.25"
6-1/2"	5.00"	1.25"
6-7/8"	5.22"	1.25"
7-1/4"	5.43"	1.25"



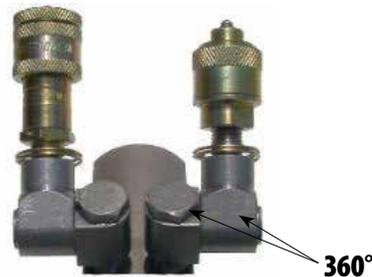
SU-XL Series Square Drive Ratchet Wrench

A time tested and proven tool design, square drive ratchets offer a cost efficient option to handle a wide range of bolting make-up and break-out needs. The SU-XL Series ratchet employs a "patented design", which increases accuracy and reduces the number of moving parts. TL T-6 XL Series body encloses the drive train assembly, allowing no pinch points and lighter weight. Our standard SU-XL Series tool capacities range from 100 to 60,000 Ft. Lbs. of torque, using a 10,000 PSI hydraulic pump.

- Square Drive - For use with all standard size square drive impact sockets. Easily shifts from makeup to break-out without disassembly.
- TL T-6 - XL Series bodies made of durable, highstrength, lightweight aircraft alloy.
- Unibody - Eliminates "Pinch Points". Reduces side loading. Totally enclosed drive train assembly, allowing nothing in or out of the tool.
- 360 Degree Swivel Fittings - Patented fittings allow hose movement without hose binding, stainless steel with fewer moving parts - a great improvement over competitors' delicate design. See single plane swivel fittings shown above on wrench.
- Slotted Piston Rod - Maintains 90o relationship between piston rod and nut. Increases accuracy. Reduces number of moving parts.
- Anti-Reverse Pawl - Holds rotational wind-up to maintain required torque.
- Pawl Release - Anti-reverse pawl release mechanism allows manual release of tool if "binding occurs.
- Reaction Member - 360 degree rotation and made of TL T-6. Increased reaction area. Ratchet can be used without reaction member.
- Coated - All exposed parts to resist corrosion.
- Light/Ergonomic - Reduces operator fatigue.
- Calibrated - Every tool is tested and calibrated to +/- .03 accuracy, traceable to N.I.S.T.
- Warranty - SU-XL Series wrenches come with a 3 Year - 2 Tier Warranty, that is the best standard warranty on the market today.



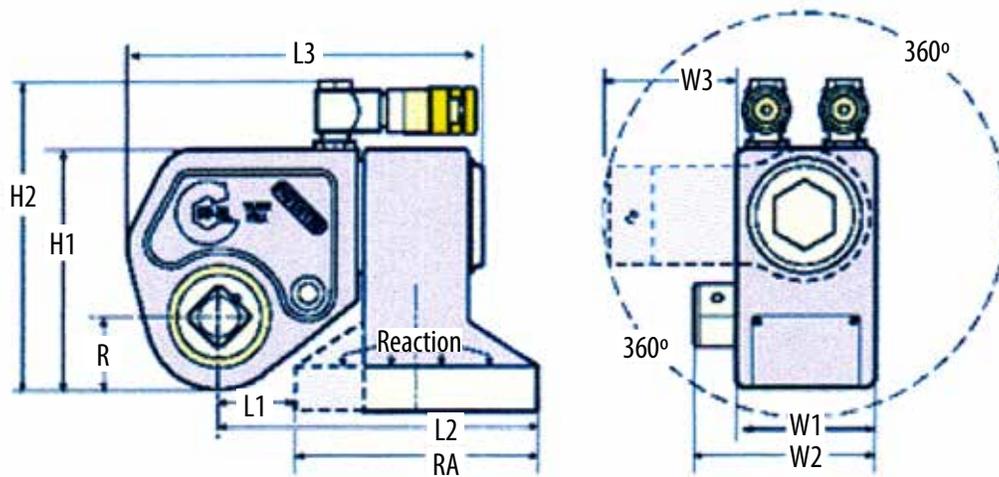
Extra light, dependable, and fits where others cannot.



Dual Plane Swivel Fittings Available Upon Request



SU-XL Series Square Drive Ratchet Wrench



SU-XL Series	Square Drive	Max ft. lbs. @ 10,000 PSI	Weight*	Reaction Area- RA	Length L1	Length L2	Length L3	Radius R	Height H1	Height H2	Width W1	Width W2	Width W3
SU-1XL	3/4"	1,400	5.25 lbs	3.685"	1.567"	5.252"	5.978"	1.200"	4.100"	5.725"	1.980"	2.730"	2.200"
SU-3XL	1"	3,300	11.25 lbs	5.335"	1.865"	7.200"	7.970"	1.260"	4.870"	6.520"	2.775"	3.600"	3.172"
SU-6XL	1-1/2"	6,000	17.20 lbs	5.460"	2.150"	7.610"	8.410"	1.953"	6.250"	7.850"	3.000"	4.475"	3.501"
SU-11XL	1-1/2"	11,300	29.90 lbs	6.500"	2.245"	8.745"	9.500"	2.062"	7.375"	9.125"	3.900"	5.350"	4.982"
SU-20XL	2-1/2"	20,100	62.00 lbs	7.525"	3.460"	10.375"	11.600"	3.000"	9.184"	10.784"	4.950"	7.450"	5.557"
SU-30XL	2-1/2"	30,200	75.00 lbs	7.525"	3.460"	10.875"	11.725"	3.125"	9.777"	11.377"	5.875"	8.375"	5.555"

* Weight includes tool, reaction member and square drive.

SU-XL Series	Square Drive	Max ft. lbs. @ 10,000 PSI	Weight*	Reaction Area- RA	Length L1	Length L2	Length L3	Radius R	Height H1	Height H2	Width W1	Width W2	Width W3
SU-45	2-1/2"	46,200	145.00 lbs	7.425"	7.337"	12.537"	13.312"	3.000"	11.000"	12.600"	5.750"	8.250"	5.500"
SU-60	2-1/2"	60,000	295.00 lbs	8.781"	5.887"	14.668"	16.000"	3.750"	14.000"	15.600"	7.250"	9.750"	5.750"

* Steel Casting

