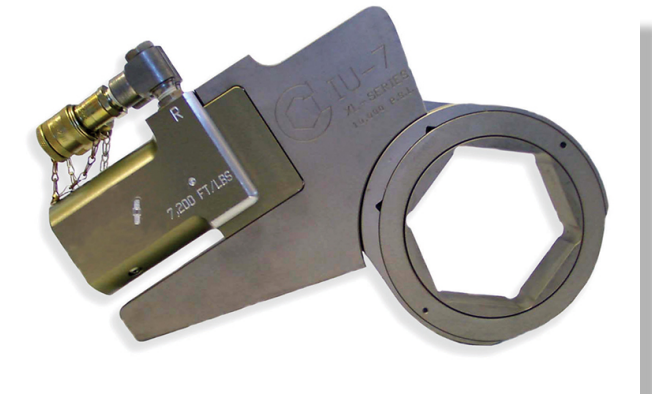


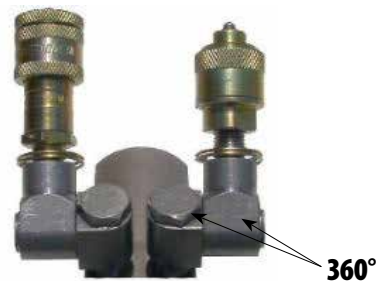
FL-XL Series Inline Ratchet Wrench

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 FL-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 90° 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** – FL-XL Series wrenches come with a 1 Year Total Assurance Guarantee.



Extra light, dependable, and fits where others cannot.



Dual Plane Swivel Fittings Available Upon Request



FL-XL Series Inline Ratchet Wrench

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

FL-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"

FL-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"

FL-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"	3.07"	0.85"
4-1/4"	3.26"	0.85"

FL-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"

FL-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"

FL-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"

FL-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"

