



PRECISION 90 PEAR HEAD RATCHETS

- › 90 tooth count allows for 4 degree arc swing.
- › Double nickel chrome plated for enhanced corrosion protection.
- › Small, pear head design for access in tight, hard-to-reach work areas.
- › Full polish sockets meet and exceed stringent aerospace specification AS4984A which requires tools to have a thicker nickel-chrome coating for greater corrosion-resistance and durability.
- › Contoured, ergonomically designed handle for comfort.
- › Low profile reversing lever design for quick, one hand operation.
- › Knurled bands allow for increased grip and slip resistance.



PRECISION 90 PEAR HEAD RATCHETS

Product #	Drive Size (in)	Length	Finish	Overall Length (in)	Weight (lbs)	Repair Kit Part #
J4749HTC*	1/4	Standard	Full Polish	5-7/32	0.25	J47HTCFRK
J4749HTCBL*	1/4	Standard	Black Oxide	5-7/32	0.25	J47HTCFRK
J4750HTC	1/4	Long	Full Polish	9	0.25	J47HTCFRK
J4750HTCF	1/4	Long - Flex Head	Full Polish	9	0.44	J47HTCFRK
J5249HTC*	3/8	Standard	Full Polish	7-11/16	0.69	J52HTCFRK
J5249HTCBL*	3/8	Standard	Black Oxide	7-11/16	0.69	J52HTCFRK
J5250HTC	3/8	Long	Full Polish	12-39/64	0.83	J52HTCFRK
J5250HTCBL	3/8	Long	Black Oxide	12-39/64	0.83	J52HTCFRK
J5249HTCF	3/8	Standard - Flex Head	Full Polish	7-11/16	0.74	J52HTCFRK
J5250HTCF	3/8	Long - Flex Head	Full Polish	12-11/16	0.88	J52HTCFRK
J5449HTC*	1/2	Standard	Full Polish	10-11/16	1.83	J54HTCFRK
J5449HTCBL*	1/2	Standard	Black Oxide	10-11/16	1.83	J54HTCFRK
J5450HTC	1/2	Long	Full Polish	17-11/16	2.52	J54HTCFRK
J5450HTCBL	1/2	Long	Black Oxide	17-11/16	2.52	J54HTCFRK
J5426HTC	1/2	Extra Long	Full Polish	25-11/16	3.28	J54HTCFRK
J5426HTCBL	1/2	Extra Long	Black Oxide	25-11/16	3.28	J54HTCFRK
J5450HTCF	1/2	Long - Flex Head	Full Polish	17-11/16	2.65	J54HTCFRK

*SAE AS4283C ASME B107.110-2012

PRECISION 90

Low profile reversing lever design for quick, one hand operation.

Double nickel chrome plated for enhanced corrosion protection.

Knurled bands allow for increased grip and slip resistance.

Contoured, ergonomically designed handle for comfort.

Full polish finish for easy clean up.
Black oxide finishes available for use where non-plated products are required.

Small, pear head design for access in tight, hard-to-reach work areas.

90 tooth count allows for 4° arc swing.

Wide pawl disperses torque load to many gear teeth.

- 6 POINT
- 8 POINT
- 12 POINT
- SPL SPLINE
- HEX HEX
- FULL POLISH
- SATIN
- BLACK OXIDE
- INSULATED

PRECISION 90 PEAR HEAD RATCHET REPAIR KITS

Product #	Drive Size (in)	Ratchets
J47HTCFRK	1/4	J4749HTC, J4749HTCBL, J4750HTC, J4750HTCF
J52HTCFRK	3/8	J5249HTC, J5249HTCBL, J5250HTC, J5250HTCBL, J5249HTCF, J5250HTCF
J54HTCFRK	1/2	J5449HTC, J5449HTCBL, J5450HTC, J5450HTCBL, J5426HTC, J5426HTCBL, J5450HTCF



PREMIUM PEAR HEAD RATCHETS

- ▶ Small pear head design for access in tight, hard-to-reach work areas.
- ▶ 45-tooth gear provides balance between 8° articulation angle and high torque carrying capacity.
- ▶ Patented, sealed-head design helps prevent debris from entering ratchet mechanism reducing wear. Also, helps to keep lubrication contained within the components.
- ▶ Low profile reversing lever design for quick, one-hand operation.
- ▶ Contoured, ergonomically designed handle for comfort. Knurled bands allow for increased grip and slip resistance.
- ▶ Full polish finishes offer double nickel chrome plating for enhanced corrosion protection.
- ▶ Field repairable.



Product #	Drive Size (in)	Finish	Style	Overall Length (in)	Weight (lbs)	Repair Kit Part #
J4749XL*	1/4	Full Polish	Pear Head	5-5/8	0.25	J4749XLRK
J4749XLBL*	1/4	Black Oxide	Pear Head	5-9/16	0.25	J4749XLRK
J4749XLQR*	1/4	Full Polish	Quick-Release	5-5/8	0.25	J4749XLQRRK
J4749XLQRBL*	1/4	Black Oxide	Quick-Release	5-5/8	0.25	J4749XLQRRK
J5249XL*	3/8	Full Polish	Pear Head	8-1/2	0.86	J5249XLRK
J5249XLBL*	3/8	Black Oxide	Pear Head	8-1/2	0.87	J5249XLRK
J5249XLQR*	3/8	Full Polish	Quick-Release	8-1/2	0.86	J5249XLQRRK
J5249XLQRBL*	3/8	Black Oxide	Quick-Release	8-1/2	0.86	J5249XLQRRK
J5449XL	1/2	Full Polish	Pear Head	10-1/2	1.72	J5449XLRK
J5449XLBL	1/2	Black Oxide	Pear Head	10-1/2	1.72	J5449XLRK
J5449XLQR	1/2	Full Polish	Quick-Release	10-1/2	1.72	J5449XLQRRK
J5449XLQRBL	1/2	Black Oxide	Quick-Release	10-1/2	1.72	J5449XLQRRK

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LONG HANDLE



Product #	Drive Size (in)	Finish	Style	Overall Length (in)	Weight (lbs)	Repair Kit Part #
J5250XL*	3/8	Full Polish	Pear Head	11	1.03	J5249XLRK
J5250XLBL*	3/8	Black Oxide	Pear Head	11	0.98	J5249XLRK
J5250XLQRBL*	3/8	Black Oxide	Quick-Release	11	1.03	J5249XLQRRK
J5450XL	1/2	Full Polish	Pear Head	15	2.18	J5449XLRK
J5450XLQR	1/2	Full Polish	Quick-Release	15	2.18	J5449XLQRRK
J5450XLBL	1/2	Black Oxide	Pear Head	15	2.18	J5449XLRK
J5450XLQRBL	1/2	Black Oxide	Quick-Release	15	2.18	J5449XLQRRK

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