



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.



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 PEAR HEAD RATCHETS

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.

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	J4749XLARK
J4749XLBL*	1/4	Black Oxide	Pear Head	5-9/16	0.25	J4749XLARK
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	J5249XLARK
J5249XLBL*	3/8	Black Oxide	Pear Head	8-1/2	0.87	J5249XLARK
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	J5449XLARK
J5449XLBL	1/2	Black Oxide	Pear Head	10-1/2	1.72	J5449XLARK
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	J5249XLARK
J5250XLBL*	3/8	Black Oxide	Pear Head	11	0.98	J5249XLARK
J5250XLQRBL*	3/8	Black Oxide	Quick-Release	11	1.03	J5249XLQRRK
J5450XL	1/2	Full Polish	Pear Head	15	2.18	J5449XLARK
J5450XLQR	1/2	Full Polish	Quick-Release	15	2.18	J5449XLQRRK
J5450XLBL	1/2	Black Oxide	Pear Head	15	2.18	J5449XLARK
J5450XLQRBL	1/2	Black Oxide	Quick-Release	15	2.18	J5449XLQRRK

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1/4" DRIVE 11 PIECE DRIVE TOOLS & ACCESSORIES SET W/ PRECISION 90 RATCHET- FULL POLISH

Product #: J47000S

Contents	Description
J4749HTC	Precision 90 Pear Head Ratchet 1/4" DR 5"
J4750HTC	Precision 90 Pear Head Ratchet 1/4" DR 9"
J4750HTCF	Flex Head Precision 90 Pear Head Ratchet 1/4" DR 9"
J4759	Extension 1/4" DR 2"
J4760	Extension 1/4" DR 3"

Contents	Description
J4761	Extension 1/4" DR 6"
J4762	Extension 1/4" DR 10"
J4766	Hinge Handle 1/4" DR 5-3/4"
J4770A	Universal Joint 1/4" DR
J4785	Sliding T-Handle 1/4" DR 4-1/2"
J5256	DR Adapter 1/4" F x 3/8" M



3/8" DRIVE 16 PIECE DRIVE TOOLS & ACCESSORIES SET W/ PRECISION 90 RATCHET - FULL POLISH

Product #: J52000S

Contents	Description
J5249HTC	Precision 90 Pear Head Ratchet 3/8" DR 7"
J5250HTC	Precision 90 Pear Head Ratchet 3/8" DR 13"
J5250HTCF	Flex Head Precision 90 Pear Head Ratchet 3/8" DR 13"
J5251	Spinner Ratchet 3/8" DR 1-1/2"
J5259	Extension 3/8" DR 1-3/4"
J5260	Extension 3/8" DR 3"
J5260-06	Extension 3/8" DR 6"

Contents	Description
J5260-03L	Locking Extension 3/8" DR 3"
J5260-06L	Locking Extension 3/8" DR 6"
J5261L	Locking Extension 3/8" DR 8"
J5262L	Locking Extension 3/8" DR 12"
J5266	Hinge Handle 3/8" DR 12"
J5270A	Universal Joint 3/8" DR
J5285	Sliding T-Handle 3/8" DR 8"
J5253	DR Adapter 3/8" F x 1/2" M
J5255	DR Adapter 3/8" F x 1/4" M



1/2" DRIVE 15 PIECE DRIVE TOOLS & ACCESSORIES SET W/ PRECISION 90 RATCHET - FULL POLISH

Product #: J54000S

Contents	Description
J5449HTC	Precision 90 Pear Head Ratchet 1/2" DR 11"
J5450HTC	Precision 90 Pear Head Ratchet 1/2" DR 18"
J5450HTCF	Flex Head Precision 90 Pear Head Ratchet 1/2" DR 18"
J5460	Extension 1/2" DR - 2-1/2"
J5461	Extension 1/2" DR 5"
J5463	Extension 1/2" DR 10"
J5464	Extension 1/2" DR 20"

Contents	Description
J5460-03L	Locking Extension 1/2" DR 3"
J5461L	Locking Extension 1/2" DR 5"
J5463L	Locking Extension 1/2" DR 10"
J5467	Hinge Handle 1/2" DR 15-3/4"
J5470A	Universal Joint 1/2" DR
J5485	Sliding T-Handle 1/2" DR
J5254	DR Adapter 1/2" F x 3/8" M
J5653	DR Adapter 1/2" F x 3/4" M

