

RIGGING TOOLS – WRENCH SETS

PAPA ALPHA RIGGING TOOLS



Papa-Alpha rigging tools are essential for ensuring that flight controls remain neutral, promoting safe and responsive handling. Proper rigging keeps control surfaces like ailerons, rudders, and elevators aligned and balanced, preventing unwanted deflections that can compromise aircraft stability.

Our tools are crafted with CAD and CNC routing of aircraft-grade aluminum, powder coated, and UV printed for reduced weight, durability, and precision.

Description	Part No.	Price
PA23 Rudder Reference Tool #1	13-26152	.
PA23 Reference Tool #2	13-26153	.
PA28/32 Rudder Reference Tool #3	13-26154	.
PA28 Rudder Reference Tool #4	13-26155	.
PA28 Rudder Reference Tool #5	13-26156	.
PA28 Rudder Reference Tool #6	13-26157	.
PA31 Rudder Reference Tool #7	13-26158	.
PA32Rt/44 Rudder Reference Tool #8	13-26159	.
PA34 Rudder Reference Tool #9	13-26160	.
PA44 Rudder Reference Tool #10	13-26161	.
PA23 Bellcrank Reference Tool #1	13-26162	.
PA24/30/39 Bell Crank Reference Tool #2	13-26163	.
PA28/32/34 Bell Crank Reference Tool #3	13-26164	.
PA28/32 Bell Crank Reference Tool #4	13-26165	.
PA28/32 Bell Crank Reference Tool #5	13-26166	.
PA28/44 Bell Crank Reference Tool #6	13-26167	.
PA28 Bell Crank Reference Tool #7	13-26168	.

Description	Part No.	Price
PA31 Bell Crank Reference Tool #8	13-26169	.
PA34 Bell Crank Reference Tool #9	13-26170	.
PA38 Bell Crank Reference Tool #10	13-26171	.
PA23 Stabilator Rigging Tool #1	13-26172	.
PA23 Stabilator Rigging Tool #2	13-26173	.
PA24/30 Stabilator Rigging Tool #3	13-26174	.
PA24400 Stabilator Rigging Tool #4	13-26175	.
PA28/32/44 Stabilator Rigging Tool #5	13-26176	.
PA30/39 Stabilator Rigging Tool #6	13-26177	.
PA34 Stabilator Rigging Tool #7	13-26178	.
PA28/32/34/44 Aileron And Flap Rigging Tool #1	13-26179	.
PA34200T/220T Aileron And Flap Rigging Tool #2	13-26180	.
PA-31 Aileron and Elevator Rigging Tool #1	13-26181	.
PA-30/39 Aileron Rigging Tool #1	13-26182	.
PA-36 Flap Rigging Tool #1	13-26183	.
PA31 Rudder Trim Rigging Tool #1	13-26184	.
PA31P Rudder Trim Rigging Tool #2	13-26185	.

SEE OUR WEBSITE FOR OUR COMPLETE SELECTION OF PAPA ALPHA PRODUCTS AND AIRCRAFT ELIGIBILITY

COMBINATION WRENCH SETS



Our ring, open-ended and combination wrenches have an additional recess in the middle of the tool. Similar to the principle of a double-T beam, this provides a tremendous load capacity and maximum strength whilst reducing weight. The thin-walled diameter of

our rings makes it easier to work in confined spaces. The ring wall is deeper than standard nuts, which prevents jamming.

7/16 Inch To 7/8 Inch - 8 Piece..... P/N 12-06971.....
1/4 Inch To 3/4 Inch -10 Piece..... P/N 12-06972.....
1/4 Inch To 1-1/4 Inch - 20 Piece P/N 12-06973.....

QUICKRELEASE SOCKET SET 1/4 INCH DRIVE - 33 PIECE



QuickRelease Socket Set 1/4 Inch Drive - 33 Piece. The QuickRelease safety lock prevents unintentional loss of insert tools. These click securely into place, and are only released again at the push of a button for a quick tool change. In

transducers: The QuickRelease safety lock helps you to quickly mount and change transducers. The transducers lock into the calibration system and only unlock again at the push of the buttons.

P/N 12-06969.....

QUICKRELEASE SOCKET SET - 3/8 INCH DRIVE - 30 PIECE



STAHLWILLE QuickRelease Socket Set - 3/8 Inch Drive - 30 Piec. The QuickRelease safety lock prevents unintentional loss of insert tools. These click securely into place, and are only released again at the push of a button for a quick tool change. In

transducers: The QuickRelease safety lock helps you to quickly mount and change transducers. The transducers lock into the calibration system and only unlock again at the push of the buttons.

P/N 12-06970.....

TORQUE WRENCH STANDARD MANOSKOP® WITH FIXED RATCHET



This torque wrench is equipped with a low-wear release system with a bending beam. Unlike conventional torque wrenches with coiled springs, the bending beam is not subjected to any load until the tool is in operation, which means that the spring does not need to be reset to '0' after use.

Size 80 - 160-800 N7M 120-600 Ft-Lb..... P/N 12-06967.....
Size 100 - 200-1000 N7M 150-725 Ft-Lb..... P/N 12-06968.....



QUICKRELEASE RATCHET INSERT ADAPTERS

The QuickRelease safety lock prevents unintentional loss of insert tools. These click securely into place, and are only released again at the push of a button for a quick tool change. In transducers: The QuickRelease safety lock helps you to quickly mount and change transducers. The transducers lock into the calibration system and only unlock again at the push of the buttons.

Size 4 - 9X12 mm - 1/4 Drive 40 N7M..... P/N 12-06960.....
Size 5 - 9X12 mm - 3/8 Drive 100 N7M..... P/N 12-06961.....
Size 10 - 9X12 mm - 1/2 Drive 100 N7M..... P/N 12-06962.....
Size 20 - 14x18mm - 1/2 Drive 200 N-m P/N 12-06963.....

FINE-TOOTH RATCHET INSERT ADAPTER



STAHLWILLE Fine-Tooth Ratchet Insert Adapter. Robust and smooth-running ratchet insert adapter for torque wrenches with a square drive. 60 teeth enable a working angle of only 6° - for efficient working in confined spaces, e.g. in the engine compartment. The reversible mechanism allows quick direction changes without having to

change the plug - optimal for frequently changing screw directions. The integrated ball lock ensures that the socket wrench remains in place even at high torques. Made from durable Chrome Alloy Steel and additionally chrome-plated for maximum durability and wear protection.

Size 5 - 9 X 12 mm 3/8 Drive 100 N7M..... P/N 12-06958.....
Size 10 - 9 X 12 mm 1/2 Drive 100 N7M..... P/N 12-06959.....
Size 20 - 14 X 18 mm 1/2 Drive 300 N7M..... P/N 12-06964.....
Size 40 - 14 X 18 mm 3/4 Drive 400 N7M..... P/N 12-06965.....
Size 40Hd - 14 X 18 mm 3/4 Drive 650 N7M .. P/N 12-06966.....

730 QUICK TORQUE WRENCH SERVICE MANOSKOP® WITH HOLDER FOR INSERT TOOLS



The QuickRelease safety lock prevents unintentional loss of insert tools. These click securely into place, and are only released again at the push of a button for a quick tool change. In transducers: The QuickRelease safety lock helps you to quickly mount and change transducers. The transducers lock into the calibration system and only unlock again at the push of the buttons.

Size 5 - 6-50 N7M - 5-35 Ft-Lb - 9 X 12 mm..... P/N 12-06958.....
Size 12 - 25-130 N7M - 20-95 Ft-Lb - 14 X 18 mm.... P/N 12-06959.....
Size 20 - 40-200 N7M - 30-144 Ft-Lb - 14 X 18 mm P/N 12-06964.....
Size 40 - 80-400 N7M - 60-300 Ft-Lb - 14 X 18 P/N 12-06965.....
Size 65 - 130-650 N7M - 100-480 Ft-Lb - 14 X 18 mm. P/N 12-06966.....

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