

• The first opening action and the last closing action are specially important for this design to loose and tighten a rusted nut.



- Ergo handle
- Comfortable hand fit
- Easy to apply the force
- 60% thicker than regular wrench handle



**Proxene®**

PROXENE TOOLS CO., LTD.

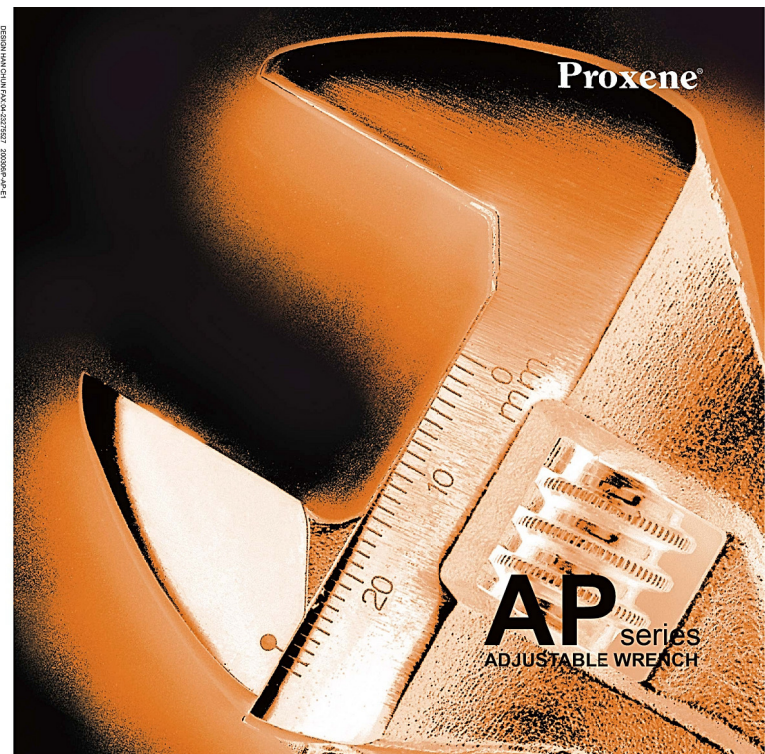
No. 35 Alley 28 Lane 360 Chung Shan Road, She Kou Village, Shen Kang Hsiang, Taichung, Taiwan.

E-Mail: p5628308@ms13.hinet.net

web site: www.proxene.com.tw

TEL: 886-4-25627786-7 FAX: 886-4-25628308

DESIGN NAME CHUAN FAN 2004/03/23/0327 2003/06/04/4E-1



# AP series

• A smaller angle (15°) wrench aligns the wrench with the nut in a manner that offers speed, precision, ergonomic comfort and provides greater leverage distance thus reducing hand & arm fatigue. It makes the hardest work easy.

• Compared to 22.5° wrench, a swing angle of 15° is more suitable for operation in limited working area.

# Proxene®

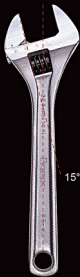


• Measuring scale assist you to find demand size speedy.

• Wider Jaw Opening (up to 18~25% wider) increases useful range of fastener sizes.



• Non-Protruding on the movable jaw end. This allows a greater ease of use in tight spaces.



# AP series

- Chrome Vanadium Material
- Hot Forged Handle and Jaw
- Whole Piece with Heat Treatment
- Perfectly Matched Knurl and Teeth of Jaw for Smooth Running
- Exceed World-Wide Industrial Standard Specification
- Precision and Industrial Knurl Design (patented)
- Smaller head tip allows a constricted space entry easily
- Smoother head flat through second process after machine grinding



Size Inch (mm)	Standard Jaw Opening Width (mm)	Our Wider Mouth Jaw Opening Not Less Than (mm)	Using Range For	
			Metric Hexagon Nut's Size	SAE Hexagon Nut's Size
AP-4"(100mm)	13 mm	17 mm	M1-M10	W1/8-W3/8
AP-6"(150mm)	20 mm	23.9 mm	M1-M16	W1/8-W1/2
AP-8"(200mm)	24 mm	28.8 mm	M1-M18	W1/8-W5/8
AP-10"(250mm)	29 mm	32.8 mm	M1-M22	W1/8-W3/4
AP-12"(300mm)	34 mm	38.1 mm	M1-M24	W1/8-W7/8
AP-15"(375mm)	43 mm	50 mm	M1-M33	W1/8-W1 1/4
AP-18"(450mm)	53 mm	60 mm	M1-M39	W1/8-W1 1/2
AP-24"(600mm)	62 mm	70 mm	M1-M45	W1/8-W1 3/4



**AP-GM** Matt Finish & Grinding Head Type  
Size & Item No.: 4" ~ 24" (AP04GM - AP24GM)

- Durability
- Valuable Performance
- Strong rust resistance
- Allow distinguished marketing
- Make laser-etched on wrench head more visible
- Smaller head tip allows a constricted space entry easily



**AP-GB** Phosphate Finish & Grinding Head Type  
Size & Item No.: 4" ~ 24" (AP04GB - AP24GB)

- Results hard surface
- Remarkable in making laser-etched on wrench head
- One of the nature surface finish of it's metal body meets the environmental protection.
- Improve the ability of rust resistance, adherence and lubricity from traditional black oxide.
- Smaller head tip allows a constricted space entry easily



**AP-GC** Chrome Finish & Grinding Head Type  
Size & Item No.: 4" ~ 24" (AP04GC - AP24GC)

- Excellent Durability
- Humidity Test over 48 hours
- Perfect resistance to peeling
- Automatic fourfold layered plate with triple layers of nickel and single layer of chrome results excellent adherence and rust resistance
- Thickness of nickel: Total 8-12µm which much higher than standard 5µm
- Thickness of chrome: 0.1-0.15µm over normal standard 0.1µm
- Smaller head tip allows a constricted space entry easily



**AP-PM** Matt Finish & Hand Polish Head Type  
Size & Item No.: 4" ~ 24" (AP04PM - AP24PM)

- Durability
- Valuable Performance
- Strong rust resistance
- Allow distinguished marketing
- Make laser-etched on wrench head more visible



**AP-PB** Phosphate Finish & Hand Polish Head Type  
Size & Item No.: 4" ~ 24" (AP04PB - AP24PB)

- Results hard surface
- Remarkable in making laser-etched on wrench head
- One of the nature surface finish of it's metal body meets the environmental protection.
- Improve the ability of rust resistance, adherence and lubricity from traditional black oxide.



**AP-PC** Chrome Finish & Hand Polish Head Type  
Size & Item No.: 4" ~ 24" (AP04PC - AP24PC)

- Excellent Durability
- Humidity Test over 48 hours
- Perfect resistance to peeling
- Automatic fourfold layered plate with triple layers of nickel and single layer of chrome results excellent adherence and rust resistance
- Thickness of nickel: Total 8-12µm which much higher than standard 5µm
- Thickness of chrome: 0.1-0.15µm over normal standard 0.1µm