



PRECISION

MAXCLAW *FOR AUTO REPAIR*

YUNG CHI INDUSTRY CO., LTD.

Yung Chi Industry Co. Ltd., established in 1978, is a well-known Taiwanese manufacturer renowned for its high-quality tubing tools under the **Maxclaw** brand.

We operate from a modern 10,000-square-meter facility with ISO 9001 : 2015 certification, ensuring precision at every production stage.

We incorporate Environmental, Social and Governance (ESG) principles into our operations, focusing on energy efficiency, waste reduction, employee welfare and transparent governance.

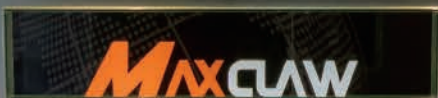


Solar Panels



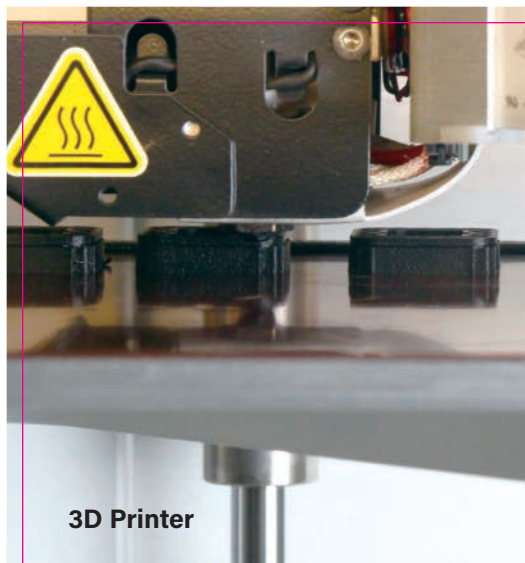
1969

2023

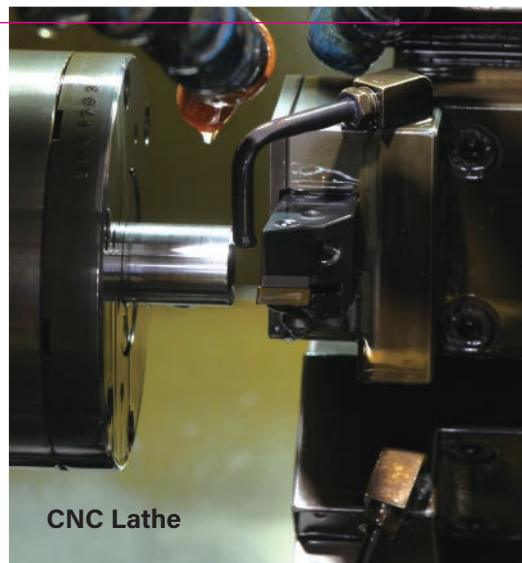


History

- 1969 Chin Yung Chan Manufacturing Co. established for lathe machining
- 1978 Yung Chi Industry Co., Ltd. established with NTD 1 million
- 1996 Created private brand of "Maxclaw"
- 2011 "Taiwan Training Quality System" Bronze Award
- 2012 1 Million Safe Work Hours Award
- 2015 Quality assurance Laboratory established
- 2017 ISO 9001 : 2015 Certified
- 2020 Rising Star Award
- 2021 Taiwan Excellence Award FTD427/FTD432
- 2022 Taiwan Excellence Award FT422
- 2023 Taiwan Excellence Award TCR355
- 2023 Sedex Audit No. ZAA600007149



3D Printer



CNC Lathe



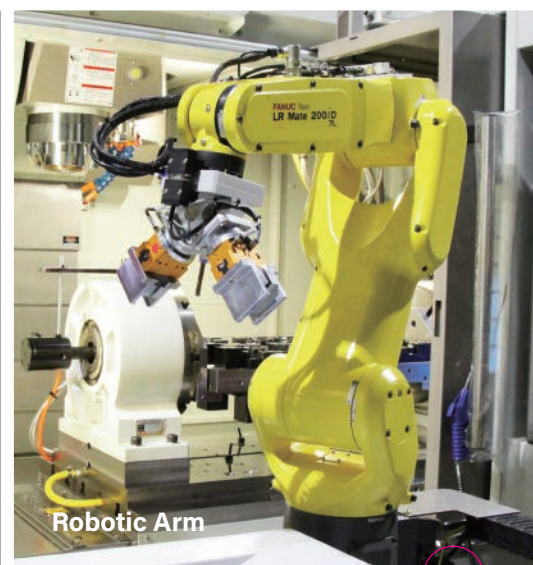
CNC Horizontal Milling Machine



Production Line

About Us

Our extensive catalog of over 1,000 tools reflects our commitment to innovation and sustainability and comprehensive OEM/ODM services highlight our flexibility. Yung Chi Industry Co. Ltd. represents diversity, continuous innovation and customized solutions while upholding ESG principles. Maxclaw symbolizes industry-leading quality and dedication to providing the strongest support to our clients.



Robotic Arm



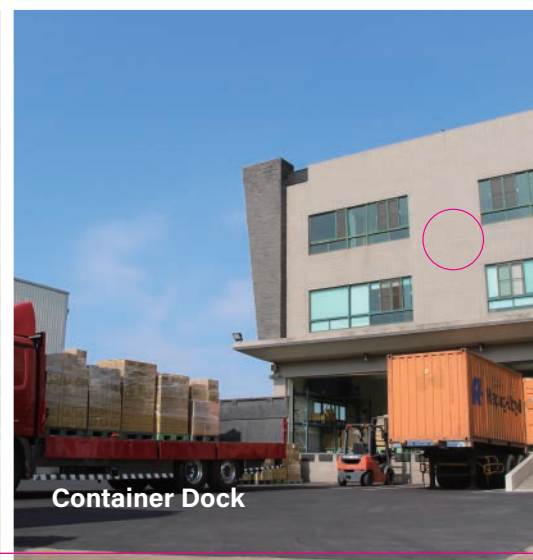
Pad Printer



Laser Engraving Machine



ASRS System



Container Dock

Enterprise Feature



Vickers Hardness Tester



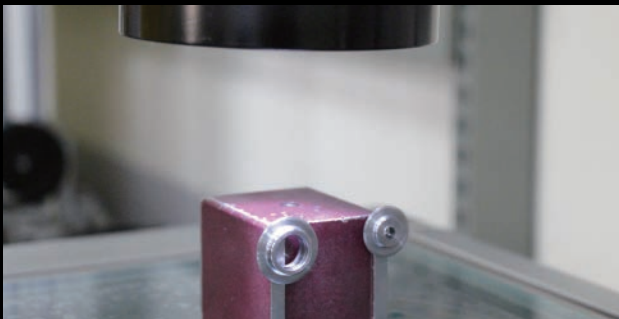
Torque Tester



Hardness Tester



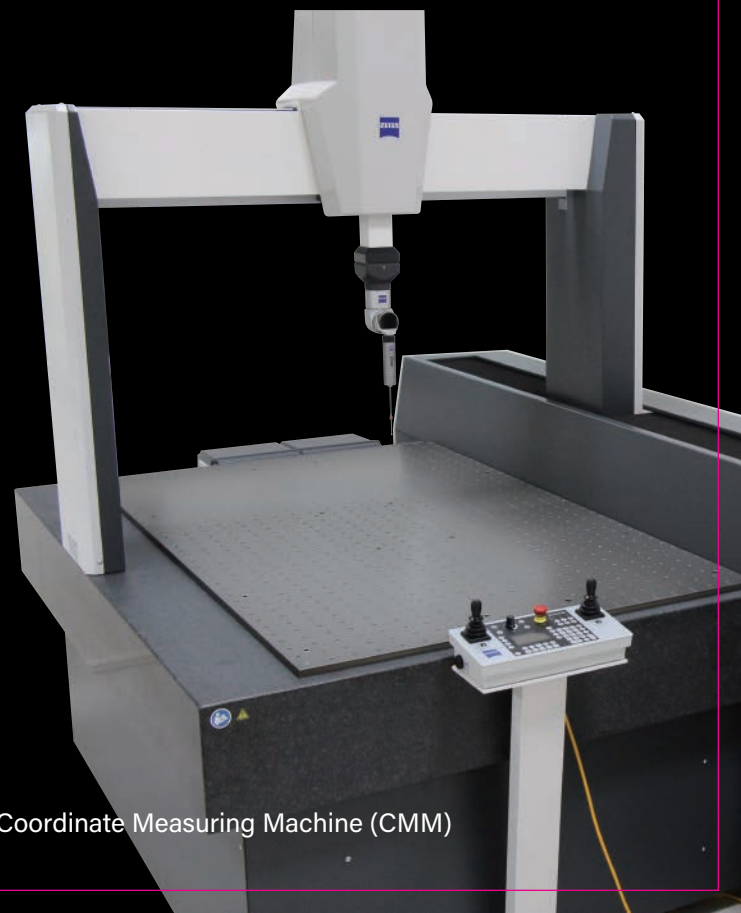
Salt Spray Tester



2.5D Projector

Our pursuit of perfection drives us to continuously upgrade and expand our equipments and inspection instruments, ensuring that we stay at the forefront of innovation and technology. By doing so, we empower our team to achieve the highest levels of accuracy and quality.

As a leader in delivering excellence and our investments reflect our dedication to exceeding our clients' expectations in every possible way.



Coordinate Measuring Machine (CMM)



Quality Certification



dun & bradstreet
D-U-N-S® CERTIFIED

Rising Star Award 2020

New Products



**Universal Hydraulic
Flaring Tool Set**
FTD432 / P41



**Universal Hydraulic
Flaring Tool Set**
FTD427 / P41



Rapid Flaring Tool Kit
FTD422 / P80



**Cordless Electric
Flaring Tool Kit**
EF101 / P42



External Chamfer Tool
YPO1536T5 / P35



External Chamfer Tool
YPO3454T9 / P35



**Ace External &
Internal Chamfer Tool**
YPO051-SK7 / P34



External Chamfer Tool
DT260 / P34



Inner & Outer Reamer Set
YPO045A / P35



Telescopic Tube Cutter
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Glass cutter
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**Handheld Multi-Size
Tubing Straightener**
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Silicone Trowel Scraper
YW121 / 75

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TELESCOPIC TUBE CUTTER

Capacity Range From

$\frac{1}{8}$ " - 2 $\frac{3}{4}$ " (3 - 70 mm)

Mini Tube Cutter

- Body: Zinc
- Ideal for cutting copper, aluminum and brass
- Compact size to cut in tight spaces
- Easy change cutting wheel design
- 2 rollers with grooves for flared tubes
- Easy grip knob
- Standard rollers: black-oxide
- TCM303A standard roller: grinding



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM301A	1/8"-3/4" (3-19 mm)	TCW050200J	Bulk	18	108	14.5	15.5	0.4	134
			Card	20	100	14	15	1	134
TCM302A	1/8"-1" (3-25 mm)	TCW050200J	Bulk	18	108	15	16	0.4	142
			Card	10	100	15	16	1.3	142
TCM303A	1/8"-1 1/8" (3-28 mm)	TCW050200J	Bulk	16	96	18	19	0.4	188
			Card	20	100	19	20	1	188

Mini Tube Cutter

- Body: Zinc
- Ideal for cutting stainless steel, copper, aluminum and brass
- Bearing type blade
- Bearing type rollers
- Compact size to cut in tight spaces
- Easy change cutting wheel design
- Easy grip knob
- Plating surface available



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM301C	1/8"-3/4" (3-19 mm)	TCW050200N	Bulk	18	108	14.5	15.5	0.4	134
			Card	20	100	14	15	1	134
TCM302C	1/8"-1" (3-25 mm)	TCW050200N	Bulk	18	108	15	16	0.4	142
			Card	10	100	15	16	1.3	142
TCM303C	1/8"-1 1/8" (3-28 mm)	TCW050200N	Bulk	16	96	18	19	0.4	188
			Card	20	100	19	20	1	188

Remark: optional HSS blade for stainless steel available

Mini Tube Cutter

- Ideal for cutting copper, aluminum and brass
- Compact size to cut in tight spaces
- 2 polished rollers with grooves for flared tubes
- TCM110E: Including one spare cutting wheel



E



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM110	1/8"-1 1/8" (3-28 mm)	TCW030180J	Card	20	80	16	17	1	160

Mini Tube Cutter

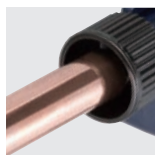
- Ideal for cutting copper, aluminum and brass
- Compact size to cut in tight spaces
- 2 polished rollers with grooves for flared tubes
- TCM120D: With one integrated deburrer



Cutting Wheel



Roller



Deburrer



B



D



F



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM120B	1/8"-7/8" (3-22 mm)	TCW030180J	Card	20	100	14	15	1.2	116
TCM120D	1/8"-7/8" (3-22 mm)	TCW030180J	Card	10	100	14	15	1.4	119
TCM120F	1/8"-7/8" (3-22 mm)	TCW030180J	Card	10	100	14	15	1.4	109

Mini Tube Cutter

- Ideal for cutting copper, aluminum and brass
- 2 rollers with grooves for flared tubes
- Compact size to cut in tight spaces



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM120G	1/8"-7/8" (3-22 mm)	TCW030180J	Card	20	100	14	15	1.2	116

Mini Tube Cutter

- Ideal for cutting copper, aluminum and brass
- Compact size to cut in tight spaces
- 2 polished rollers with grooves for flared tubes
- TCM130D: With one integrated deburrer



B



D



F



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM130B	1/8"-5/8" (3-16 mm)	TCW030180J	Card	50	200	20	21	1	100
TCM130D	1/8"-5/8" (3-16 mm)	TCW030180J	Card	50	100	10	11	1.4	110
TCM130F	1/8"-5/8" (3-16 mm)	TCW030180J	Card	10	100	10	11	1.4	102

Mini Tube Cutter

- Ideal for cutting copper, aluminum and brass
- 2 rollers with grooves for flared tubes
- Compact size to cut in tight spaces



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM130C	1/8"-5/8" (3-16 mm)	TCW058180J	Card	50	200	20	21	1	98

Remark: optional HSS blade for stainless steel available

Mini Tube Cutter

- Ideal for cutting copper, aluminum and brass
- Compact size to cut in tight spaces
- 2 rollers with grooves for flared tubes
- TCM211: Including one spare cutting wheel



Knob



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM211	1/8"-1 1/8" (3-28 mm)	TCW030180J	Card	10	80	11.2	12.2	1.3	238
TCM212	1/8"-7/8" (3-22 mm)	TCW030180J	Card	10	80	11.2	12.2	1.3	238
TCM213	1/8"-5/8" (3-16 mm)	TCW030180J	Card	10	80	11.2	12.2	1.3	238

Mini Tube Cutter

- Ideal for cutting copper, aluminum and brass
- 2 polished rollers with grooves for flared tubes
- Compact size to cut in tight spaces



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM214A	1/8"-1 1/8" (3-28 mm)	TCW030180J	Card	10	80	19	20	1.4	238

Mini Tube Cutter

- Ideal for cutting stainless steel, copper, aluminum and brass
- Compact size to cut in tight spaces
- Bearing type blade
- Bearing type rollers



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM214F	1/8"-1 1/8" (3-28 mm)	TCW050200B	Card	10	80	19	20	1.4	238

Mini Tube Cutter

- Ideal for cutting copper, aluminum and brass
- 2 rollers with grooves for flared tubes
- Compact size to cut in tight spaces
- Knob with deburrer function

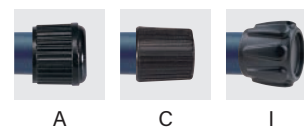


Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCM216B	1/8"-5/8" (3-16 mm)	TCW050200M	Card	50	100	10	11	1.4	110

Remark: optional HSS blade for stainless steel available

Telescopic Tube Cutter

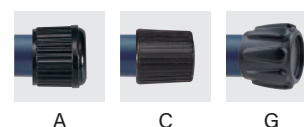
- Body: Aluminum
- Ideal for cutting copper, aluminum and brass
- 2 rollers with grooves for flared tubes
- With fold-away deburrer
- Including one spare cutting wheel



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC126 (A, C, I)	1/8"-1 1/8" (4-28 mm)	TCW062180J	Bulk	10	80	19	20	0.8	238
			Card	10	60	15	16	1.8	238

Telescopic Tube Cutter

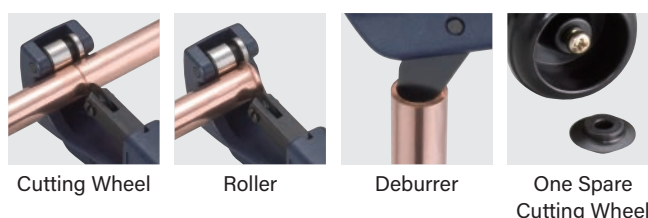
- Body: Aluminum
- Ideal for cutting copper, aluminum and brass
- 2 rollers with grooves for flared tubes
- With fold-away deburrer
- Including one spare cutting wheel



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC127 (A, C, G)	1/4"-1 5/8" (6-42 mm)	TCW062180J	Bulk	10	60	16	17	0.6	283
			Card	10	60	17	18	1.8	283

Telescopic Tube Cutter

- Body: Aluminum
- Ideal for cutting copper, aluminum and brass
- 2 polished rollers with grooves for flared tubes
- With fold-away deburrer
- Including one spare cutting wheel



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC128 (A, B, C, F)	1/8"-1 1/4" (4-32 mm)	TCW030180J	Bulk	10	60	17	18	0.7	283
			Card	10	60	17	18	1.8	283
			Box	10	60	17	18	1.3	283

Remark: optional HSS blade for stainless steel available

Telescopic Tube Cutter

- Body: Aluminum
- Ideal for cutting copper, aluminum and brass
- Easy change cutting wheel design
- 4 polished rollers with grooves for flared tubes
- With fold-away deburrer
- Including one spare cutting wheel
- TC301F: Ergonomic knob



A F

Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC301 (A, F)	1/8"-1 3/8" (3-35 mm)	TCW050200J	Bulk	10	60	21	22	0.6	346
			Card	10	60	20	21	1.5	346

Telescopic Tube Cutter

- Body: Aluminum
- Ideal for cutting stainless steel, copper, aluminum and brass
- HSS blade for stainless steel
- Easy change cutting wheel design
- Bearing type rollers
- With fold-away deburrer
- Including one spare cutting wheel
- Plating surface available



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC301D	1/8"-1 3/8" (3-35 mm)	TCW050200N	Bulk	10	60	21	22	0.6	346
			Card	10	60	21	22	1.5	346

Telescopic Tube Cutter

- Body: Aluminum
- Ideal for cutting copper, aluminum and brass
- Easy change cutting wheel design
- 4 polished rollers with grooves for flared tubes
- With an integrated SUJ2 deburrer for copper
- Including one spare cutting wheel
- A: PVC injection knob
- E: Ergonomic knob



Cutting Wheel Roller Deburrer Deburrer One Spare Cutting Wheel



A E

Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC302 (A, E)	1/8"-1 1/2" (3-38 mm)	TCW050200J	Bulk	6	36	18	19	0.8	500
			Card	6	36	19	20	1.8	500
TC303 (A, E)	1/8"-1 3/4" (3-45 mm)	TCW050200J	Bulk	6	36	18	19	0.8	502
			Card	6	36	19	20	1.8	502

Remark: optional HSS blade for stainless steel available

Telescopic Tube Cutter

- Body: Aluminum
- Ideal for cutting stainless steel, copper, aluminum and brass
- Easy change cutting wheel design
- Bearing type blade for stainless steel
- Bearing type rollers
- Plating surface
- 4 polished rollers with grooves for flared tubes
- With an integrated HSS deburrer for stainless steel
- PVC injection knob
- Including one spare cutting wheel



Cutting Wheel



Deburrer



Deburrer



One Spare Cutting Wheel

Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC302C	1/8"-1 1/2" (3-38 mm)	TCW050200B	Bulk	6	36	18	19	0.8	500
			Card	6	36	19	20	1.8	500
TC303C	1/8"-1 3/4" (3-45 mm)	TCW050200B	Bulk	6	36	18	19	0.8	500
			Card	6	36	19	20	1.8	500

Telescopic Tube Cutter

- Ideal for cutting copper, aluminum and brass
- 2 rollers with grooves for flared tubes
- Ergonomic & user-friendly knob



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC306A	1/4" - 2" (6-50 mm)	TCW080220J	Card	4	32	17	18	2.4	552

Remark: optional HSS blade for stainless steel available

Zipaction Tube Cutter

- Body: Aluminum
- Ideal for cutting copper, aluminum and brass
- Easy change cutting wheel design
- 4 polished rollers with grooves for flared tubes
- With an integrated SUJ2 deburrer for copper
- Including one spare cutting wheel
- A: PVC injection knob
- D: Ergonomic knob



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC304 (A, D)	1/8"-2 1/8" (3-54 mm)	TCW050200J	Bulk	4	32	18	19	0.8	570
			Card	4	32	19	20	2.4	570
TC305 (A, D)	1/4"-2 3/4" (6-70 mm)	TCW050200J	Bulk	4	24	17	18	0.9	726
			Card	4	24	18	19	2	728

Zipaction Tube Cutter

- Body: Aluminum
- Ideal for cutting stainless steel, copper, aluminum and brass
- Easy change cutting wheel design
- Bearing type blade for stainless steel
- Bearing type rollers
- Plating surface.
- 4 polished rollers with grooves for flared tubes
- With an integrated HSS deburrer for stainless steel
- PVC injection knob
- Including one spare cutting wheel



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TC304B	1/8"-2 1/8" (3-54 mm)	TCW050200N	Bulk	4	32	18	19	0.8	570
			Card	4	32	19	20	2.4	570
TC305B	1/4"-2 3/4" (6-70 mm)	TCW050200N	Bulk	4	24	17	18	0.9	726
			Card	4	24	18	19	2	728

Remark: optional HSS blade for stainless steel available

Pipe Cutter

- Body: Cast-iron
- Handle: Aluminum
- Ideal for cutting copper, aluminum, steel and iron
- T-handle for adjusting the working range



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC2	1/2"-2" (12-50 mm) Remark: NPS 1/8"-2"	TCW018312J	Box	0	6	23	24	1.2	3202

Pipe Cutter

- Body: Cast-iron
- Handle: Nylon
- Ideal for cutting copper, aluminum, steel and iron
- T-handle for adjusting the working range



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC210	1/2"-1 3/4" (12-45 mm) Remark: NPS 1/8"-1 1/4"	TCW136255S	Box	0	16	17.6	18.6	1.2	1100

Pipe Cutter

- Body: Cast-iron
- Handle: Plastic
- Ideal for cutting copper, aluminum, steel and iron
- T-handle for adjusting the working range



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC220	1/2"-2 3/8" (12-60 mm) Remark: NPS 1/8"-2"	TCW190320J	Box	0	8	17	18	1	2038

Pipe Cutter

- Body: Cast-iron
- Handle: Plastic
- Ideal for cutting copper, aluminum, steel and iron
- T-handle for adjusting the working range



Cutting Wheel

Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC240	1 3/8"-4" (35-100 mm) Remark: NPS 1 1/4"-4"	TCW190400J	Box	0	4	19	20	0.9	4792

Ratcheting Tube Cutter

- Ideal for cutting copper, aluminum and brass
- Ratchet motion allows for use in tight space
- Self-feeding action for automatic cutting
- Strong and lightweight nylon handle



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCR090	1/8"-1/2" (3-13 mm)	TCW030150J	Card	10	60	12	13	1.2	180

Ratcheting Tube Cutter

- For copper, aluminum, metal
- Spring-loaded adjusting screw applies continuous pressure while cutting
- Strong light weight nylon handle
- With deburrer attached



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCR095B	1/8"-1/2" (3-13 mm)	TCW030150J	Card	10	60	12	13	1.2	180

Ratcheting Tube Cutter

- For copper, aluminum, metal
- Spring-loaded adjusting screw applies continuous pressure while cutting
- Strong light weight nylon handle
- Including one spare cutting wheel



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCR100	1/4"-7/8" (6-23 mm)	TCW062180J	Card	6	48	16	17	2.2	309
TCR110	5/16"-1 1/8" (8-29 mm)	TCW062180J	Card	6	48	17.5	18.5	2.4	342

Ratcheting Tube Cutter

- For copper, aluminum, metal
- Spring-loaded adjusting screw applies continuous pressure while cutting
- Strong light weight nylon handle
- With deburrer attached
- Including one spare cutting wheel



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCR105B	1/4"-7/8" (6-23 mm)	TCW062180J	Card	6	48	16	17	2.2	309

Remark: optional HSS blade for stainless steel available

Ratchet Exhaust Cutter

- Ideal for cutting thin stainless steel, copper, aluminum
- For use on automotive exhaust and tailpipes
- Easy to operate in narrow spaces
- Ball bearing roller
- Quick-action cutter
- Long arm provides leverage
- Including one spare cutting wheel
- Easy change cutting wheel design



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TCR250	1 3/8"-2 5/8" (35-66 mm)	TCW050254H	Box	0	10	10.5	11.5	1.7	1050

Hose Cutter

- For PVC, rubber & hose
- Reversible blade
- Locking latch



Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC023	1 7/16" (35 mm)	Aluminum	Card	12	72	16	17	1.75	195

Hose Cutter

- For PVC, rubber & hose
- Up to 5/8" (16 mm)



Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC024	4-16 mm	POM	Card	6	48	3	4	1.9	52

Glass cutter

- Tungsten carbide blade
- Surface: vibration
- Easy operation



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
OT181	Glass Tube : Ø8 - 20 mm Glass Rod : Ø8 - 10 mm Thickness : 1 - 2.5 mm	Bulk	0	250	18.5	19.5	1	72

For stainless steel and steel



PIPE CUTTER

Exhaust Pipe Cutter

- 15pcs hardened alloy steel cutting wheels
- PVC coated handles
- Locks onto round or irregular shapes
- Small working angle through forward and backward movements



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC300	¾"-3 ¼" (19-83 mm)	TCW045190J	Card	5	30	22	23	1.4	733
			Pouch Bag	10	30	21	22	0.9	680
PC300B	¾"-3 ¼" (19-83 mm)	TCW045190H	Card	5	30	22	23	1.4	733
			Pouch Bag	10	30	21	22	0.9	680

Exhaust Pipe Cutter

- 15pcs hardened alloy steel cutting wheels
- Locks onto round or irregular shapes
- One-handed quick release
- Corrosion-resistant chrome plated finish
- With the possibility to adjust the tension
- Small working angle through forward and backward movements



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC320	¾"-3 ¼" (19-83 mm)	TCW045190J	Pouch Bag	10	30	21	22	1	683
PC320B	¾"-3 ¼" (19-83 mm)	TCW045190H	Pouch Bag	10	30	21	22	1	683

Tail Pipe Cutter

- 14pcs hardened alloy steel cutting wheels
- Locks onto round or irregular shapes
- Assures even cutting
- Knurled grip



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC330	¾"-3 ¼" (19-82 mm)	TCW045190J	Pouch Bag	10	30	17	18	1	550

Replacement Chain

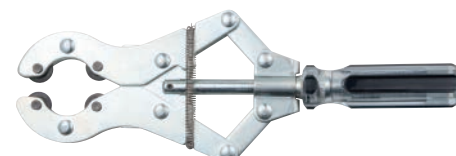
- For PC300, PC320: 14pcs
- For PC330: 13pcs



Item No.	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC003	TCW045190J For Steel	Bulk	0	80	17	18	0.9	213
	TCW045190H For Stainless Steel							

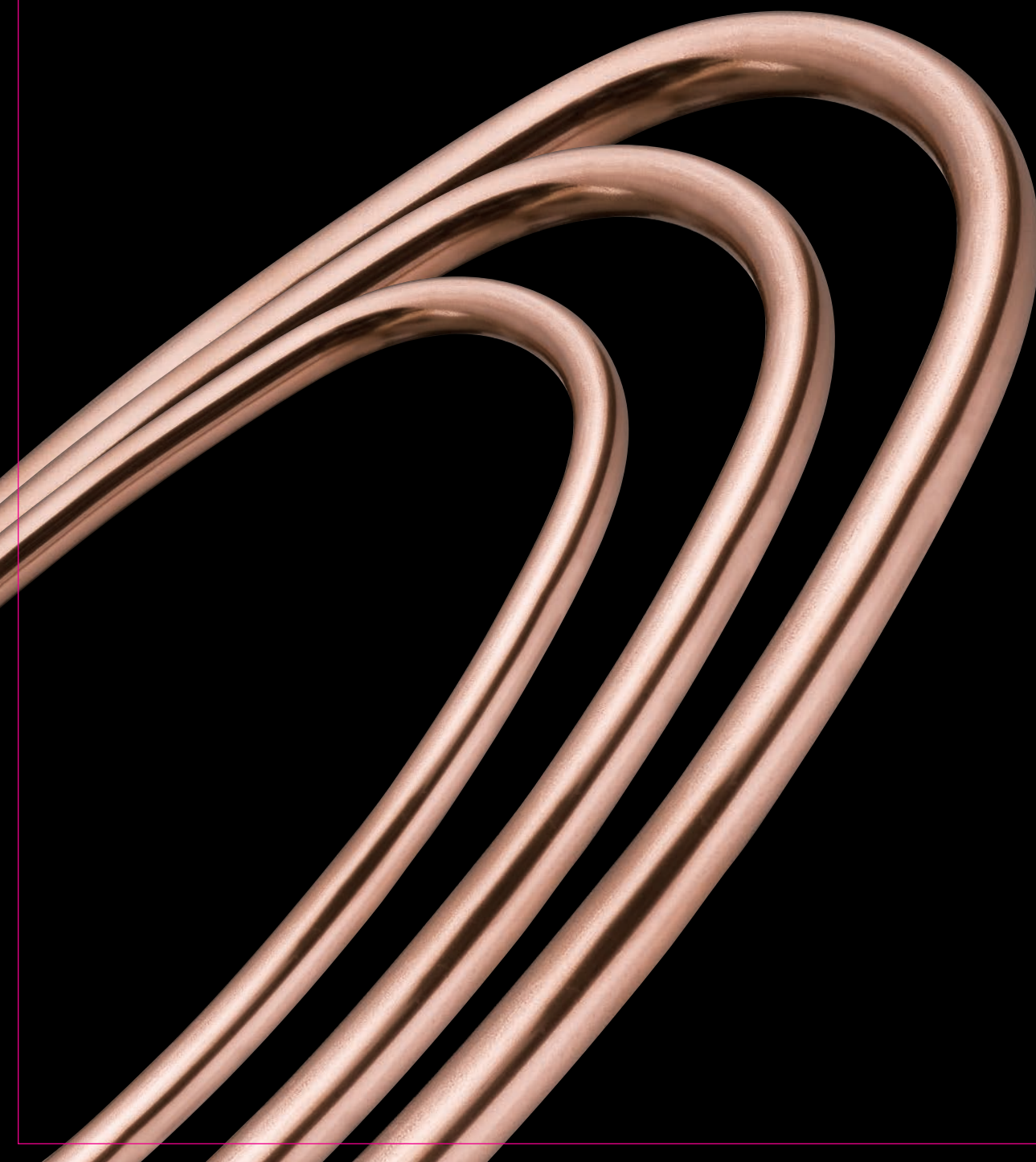
Muffler and Tailpipe Cut-off Tool

- Cuts round and out of round pipes
- Manually operated roller cutter wheels slice through tubing quickly and easily
- Small working angle through forward and backward movements



Item No.	Capacity	Cutting Wheel	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PC310	1 ⅜"-2 ½" (35-64 mm)	TCW030180J	Card	10	30	21	22	0.9	750
			Pouch Bag	10	30	23	24	1	750
PC311	2" - 3 ¼" (50-83 mm)	TCW030180J	Card	10	30	21	22	0.9	750
			Pouch Bag	10	30	23	24	1	750

TUBE BENDER



Two-hand Bender

- Ideal for bending soft copper, aluminum, brass and soft steel pipes
- Prevents slippage and flattening
- Fully adjustable to compensate for variances in tube tolerance
- Offset cushion grip handles for comfort when forming 180° bends



Item No.	Capacity	Bends Up	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TB320047A	3/16"	180°	Box	0	30	19	20	1.6	633
TB320060A	6 mm	180°	Box	0	30	19	20	1.5	633
TB320063A	1/4"	180°	Box	0	30	19	20	1.5	633
TB320079A	5/16"	180°	Box	0	20	18.5	19.5	2.3	925
TB320080A	8 mm	180°	Box	0	20	18.5	19.5	2.3	925

Two-hand Bender

- Ideal for bending soft copper, aluminum, brass and soft steel pipes
- Prevents slippage and flattening
- Fully adjustable to compensate for variances in tube tolerance
- Offset cushion grip handles for comfort when forming 180° bends



Item No.	Capacity	Bends Up	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TB321095A	3/8"	180°	Box	0	20	18.5	19.5	2.3	925
TB321100A	10 mm	180°	Box	0	20	18.5	19.5	2.3	925
TB321120A	12 mm	180°	Box	0	12	21	22	3.4	1750
TB321127A	1/2"	180°	Box	0	12	21	22	3.4	1750

4 in 1 Tube Bender

- Bend 3/16", 1/4", 5/16", 3/8" diameter tubing without kinking
- Place tubing in groove and turn the handle to bend



Item No.	Capacity	Bends Up	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TB305	3/16", 1/4", 5/16", 3/8"	180°	Box	12	24	10	11	1.4	338

Rolling-cam Tube Bender

- Suitable for any angle and restriction working place
- Easily bend by hand on the vehicle
- Vise mountable for easy mass production
- Smooth roller action for a frictionless bend
- Allows you to make tight radius bends up to 180°



Item No.	Capacity	Bends Up	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TB306	3/16", 1/4"	180°	Bulk	5	50	22	23	0.9	440
TB307	3/8", 5/16"	180°	Bulk	5	30	20	21	0.7	675

Handy Bender

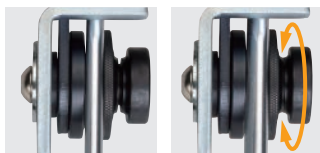
- For copper, aluminum, brass and soft steel pipes
- For exact two handed bending up to 90°
- For 3 dimensions without exchange of bending segments
- Undersize and bend radius on the bending form



Item No.	Capacity	Bends Up	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TB346	1/8", 3/16", 1/4", 3, 4, 6 mm	90°	Card	10	60	9	10	2.2	122

Adjustable Pipe Bender

- A unique, fully adjustable tool for forming perfect bends on pipes
- Bends tubes up to 180°
- Works on the vehicle or can be mounted on a vice



5/16", 1/4"

3/8", 3/16"



Item No.	Capacity	Bends Up	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TB347	3/16", 1/4", 5/16", 3/8"	180°	Box	0	12	16	17	1	1334

Brakeline Bending Plier

- For copper, aluminum, brass, mild steel and plastic coated brake pipes
- Ideally suitable for bending pipes directly
- Align, bend, and adjust $\frac{3}{16}$ " brake and fuel lines with a twist of the wrist
- For fitting new hard lines or changing the bends of existing lines
- Forged steel with heavy duty rubber grip
- Shaped jaws bend tubing without distortion
- With plastic handles



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TB400	$\frac{3}{16}$ "	Bulk	10	50	20.5	21.5	0.9	420
		Card	10	40	18.5	19.5	1.6	420

Brakeline Bending Plier

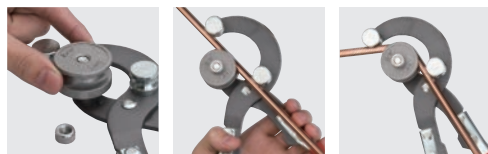
- For copper, aluminum, brass, mild steel and plastic coated brake pipes
- Ideally suitable for bending pipes directly
- Align, bend, and adjust $\frac{3}{16}$ " and $\frac{1}{4}$ " brake and fuel lines with a twist of the wrist
- For fitting new hard lines or changing the bends of existing lines
- Forged steel with heavy duty rubber grip
- Shaped jaws bend tubing without distortion
- With plastic handles



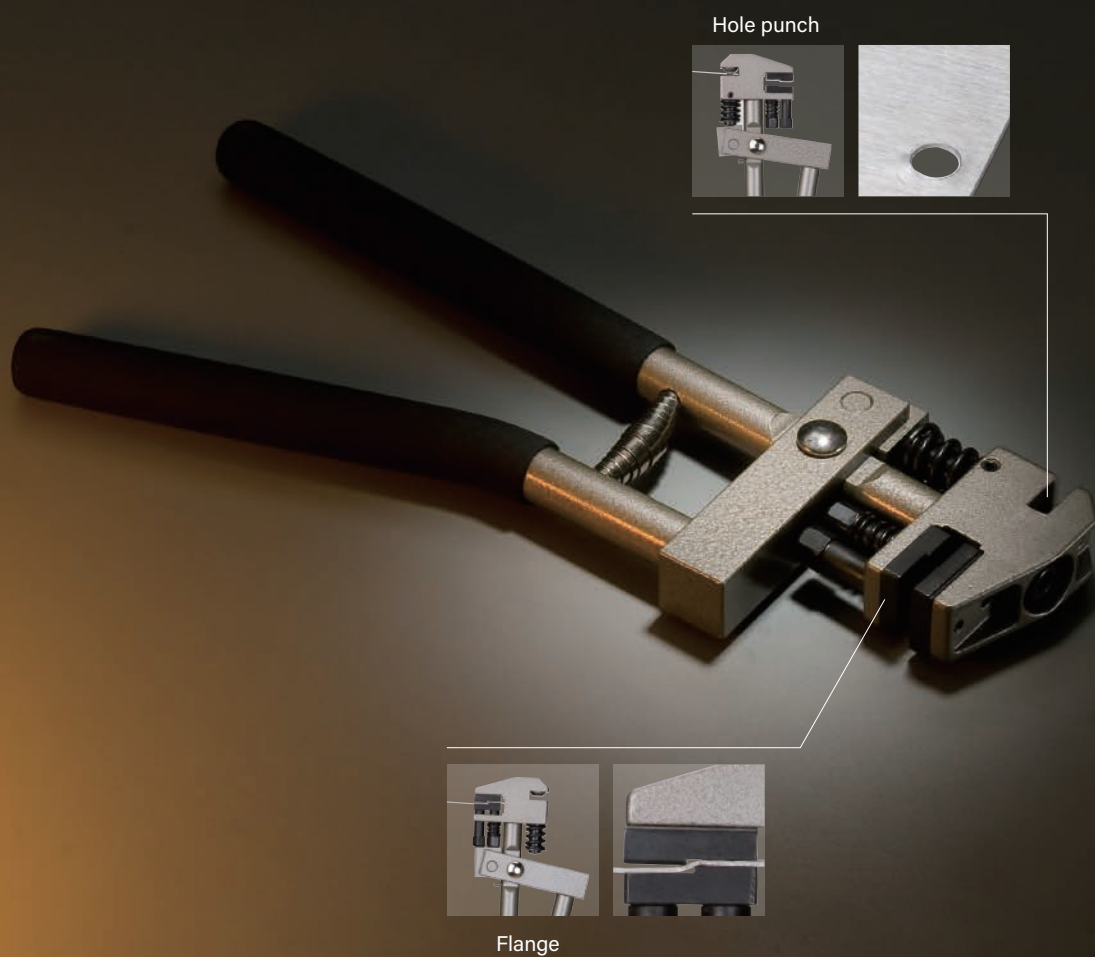
Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TB401	$\frac{3}{16}$ ", $\frac{1}{4}$ "	Bulk	10	50	20.5	21.5	0.9	414
		Card	10	40	18.5	19.5	1.6	414

Heavy Duty Tube Bender

- Roller adapters are included for each tubing size, up to 90°
- For $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ " soft copper pipes, all non-ferrous metal pipes as well as thin-walled precision steel pipes and brake lines
- PVC coated handles
- Place tubing between the adapter and studs, then squeeze the handles to bend



Item No.	Capacity	Bends Up	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TB410	$\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ "	90°	Card	12	36	20	21	1.5	518



FLANGER / PUNCH COMBO TOOL

Flanging Tool

- Lightweight portable tool recommended for adhesive panel bonding
- For producing a continuous stepped flange (12 mm or 17 mm wide)
- Twin drive rollers can be adjusted for metal thickness to avoid distortion
- Simple to use with spanner, socket etc., to produce continuous stepped lap joint
- For use on sheet metal up to 1.2mm thick



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PH230A	12 mm	Box	0	8	9	10	1.3	950
PH230B	17 mm	Box	0	8	9	10	1.3	950

Door Skin Crimping Tool

- Hand held tool for crimping and bending flanges when replacing door skins and panels
- Replaceable nylon pads prevent damage to doors when crimping



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PH231	32, 50 mm	Box	0	20	15	16	1.6	750

Sheet Metal Folder

- Produce up to 100° folds, for fabrication of box and channel sections
- Spring assisted clamping blades for ease of operation
- For mild steel up to 1.2 mm thick and 600 mm wide
- Supplied with protractor for accurate fold angles
- Can be vice mounted



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PH232	1.2 mm/W600 mm	Box	0	2	27	28	1.1	13000

Sheet Metal Cutter

- Light weight roller type cutter suitable for straight, curved and angled cutting on mild steel metal up to 1.6 mm thick
- Reversible ratchet action cuts sheet metal quickly and efficiently & makes angle cutting easier
- Cutter wheels incorporate replaceable shear pins to prevent damage from overloading
- PVC Handle for operator comfort
- Replacement cutter wheels available
- Can be vice mounted



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
SS150	1.6 mm	Box	0	8	16	17	1.3	1800

Heavy Duty Sheet Metal Cutter

- Heavy duty roller type cutter suitable for straight, curved and angle cutting mild steel sheet metal up to 3.2 mm thick
- Replacement cutter wheels available
- Can be vice mounted



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
SS151	3.2 mm	Box	0	2	16	17	0.8	8000

Hole Punch Kit

- Ideal for auto repairs
- Main components are drop-forged and heat-treated
- With 7 punches and dies: $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{5}{32}$ ", $\frac{3}{16}$ ", $\frac{7}{32}$ ", $\frac{1}{4}$ ", $\frac{9}{32}$ "
- Provides smooth piercing with minimum effort resulting in perfect clean cut holes
- Suitable for the precise & accurate punching of holes in steel, aluminium, brass, plastic and leather
- Adjustable depth gauge
- Suitable for materials up to 14 gauge



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PP850	$\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{5}{32}$ ", $\frac{3}{16}$ ", $\frac{7}{32}$ ", $\frac{1}{4}$ ", $\frac{9}{32}$ "	Blowcase	0	15	20.5	21.5	1.1	1367

Portable Notcher

- Spring-return jaws
- For fast, accurate 90° notching
- Has 1" depth of notch with built-in metal stop
- Hook nose jaws permit notching to exact depth without slippage and with minimum effort



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PP860	90°	Box	0	20	16	17	1.2	1084

Flanger/Punch Combo Tool

- Self opening
- Ideal for automotive restoration and panel making
- Spring return handle
- Fast conversion by simply turning the head
- For the flanging and punching sheet metal and body parts
- PVC handles



Item No.	Hole Dia.	Thickness	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PP880	5 mm	1.25 mm	Box	4	16	19	20	1.1	1124
PP881	6 mm	1.25 mm	Box	4	16	19	20	1.1	1124

Punch Tool

- Self opening
- For punching straight and bent sheet metal
- PVC handles



Item No.	Hole Dia.	Thickness	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PP890	5 mm	1.25 mm	Box	4	16	19	20	1.1	1086
PP891	6 mm	1.25 mm	Box	4	16	19	20	1.1	1086

Punch Tool

- Self opening
- For punching straight and bent sheet metal
- PVC handles
- With deep throat 40 mm



Item No.	Hole Dia.	Thickness	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PP892	5 mm	1.25 mm	Box	4	16	22	23	1.1	1340
PP893	6 mm	1.25 mm	Box	4	16	22	23	1.1	1340

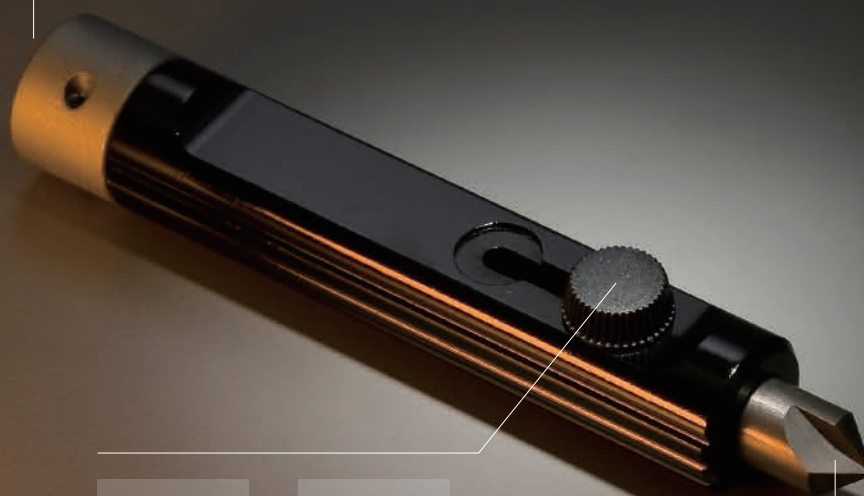
Flanger Tool

- Self opening
- For the flanging of sheet metal and body parts
- Hardened flanging jaws
- PVC handles



Item No.	Thickness	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PP895	1.25 mm	Box	4	16	18	19	1.1	1022

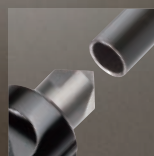
To deburr the outside
diameter of the tubing



Loosen the screw
and extend the
retractable point



Tighten the screw
to lock



To deburr the inside
diameter of the tubing

INSIDE/OUTSIDE DEBURRING TOOL



Inside/Outside Deburring Tool

- For copper, aluminium, soft steel and stainless steel tubing
- Aluminium housing
- 3 cutting edges for clean deburring
- Inside blade: alloy steel
- Outside blade: alloy HSS steel
- Retractable point for inside deburring (protects from injury)
- Ensures chatter-free working

DT608 Manual Type



Loosen the screw
and extend the
retractable point



Tighten the screw
to lock



To deburr the inside
diameter of the tubing



To deburr the outside
diameter of the tubing



DT608B Screwdriver Type



Inside deburring bit



Outside deburring bit



To deburr the inside
diameter of the tubing
with a screwdriver



To deburr the outside
diameter of the tubing
with a screwdriver

Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cu ft	g
DT608	Inside 1/8"-1/2" (3-12 mm)	Aluminium	Card	20	100	17	18	1.5	170
DT608B	Outside 5/32"-9/16" (4-14 mm)	Aluminium	Card	20	100	17	18	1.5	170

Deburring Tool

- Suitable for deburring PVC, ABS pipes, soft metal and wood
- Blades can be quick changed & installed by pushing button
- The 360° rotating design of the deburring tool easily deburr straight edges, curved edges and both the exterior and interior of certain holes
- Including one spare blade
- HSS blade suitable for deburring stainless steel



Item No.	Blade	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
DT100	HSS or SUJ2	Plastic	Bulk	25	250	11	12	1	31
			Card	30	180	8	9	1.8	31

Pen-type Deburring Tool

- Suitable for deburring PVC, ABS pipes, soft metal and wood
- The 360° rotating design of the deburring tool easily deburr straight edges, curved edges and both the exterior and interior of certain holes
- With pocket clip
- HSS blade suitable for deburring stainless steel



Item No.	Blade	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
DT300	HSS or SUJ2	Aluminum	Bulk	50	500	14	15	1	21
			Card	40	240	7.5	8.5	1.8	21

Pen-type Deburring Tool

- Suitable for deburring PVC, ABS pipes, soft metal and wood
- Quick-release collar easy blade swap
- The 360° rotating design of the deburring tool easily deburr straight edges, curved edges and both the exterior and interior of certain holes
- With pocket clip
- Blade replaceable with one spare scraper
- HSS blade suitable for deburring stainless steel



Item No.	Blade	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
DT510	HSS or SUJ2	Aluminum	Bulk	50	500	14	15	1	26
			Card	40	240	11	12	1.8	26

Inside Deburring Tool

- For copper, aluminium and soft steel tubing



Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	G
DT602	1/8" - 1/2" (3-12 mm)	Plastic	Bulk	30	300	15	16	1	46



Inside/Outside Deburring Tool

- 3 cutting edges for clean deburring
- For copper, aluminum and soft steel pipes



Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
DT200	Inside: 3/16"-1 5/8" (4.75-42 mm) Outside: 1/8"-1 3/8" (3-36 mm)	Zinc	Card	6	60	13	14	1.5	233

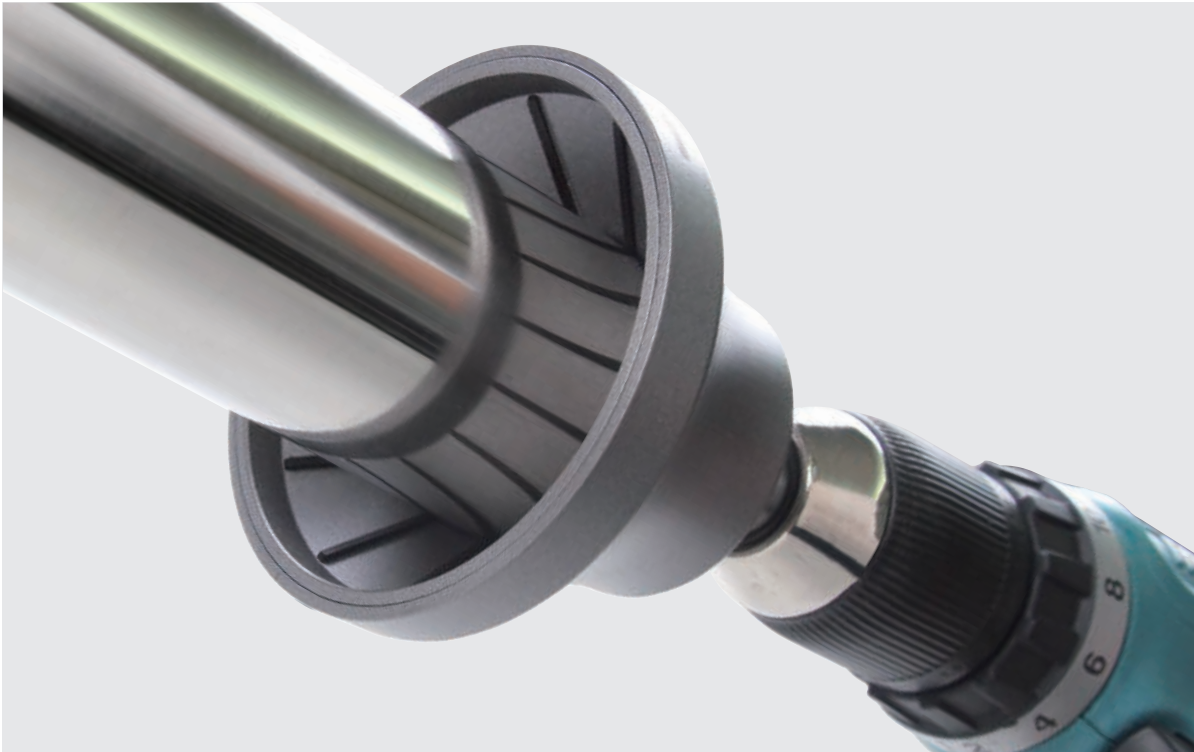


Inside/Outside Deburring Tool

- 3 cutting edges for clean deburring
- For copper, aluminum and soft steel pipes

Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
DT200P	3/16"-1 5/8" (4.75-42 mm)	Plastic	Card	12	120	5	6	2.5	36





External Chamfer Tool

- HSS blade
- Including drill bit function 3/8" DR
- For stainless steel tube, metal tube, solid round rod and alloy threaded rod HRC 35, grade 8.8
- Warning: Do not use impact/Hammer Drivers

NEW



Item No.	Capacity	Drill Use	Package	Inner	Carton	N.W.	G.W.	Cuft	g
DT260	1-1/2" - 3" (38.1-76.2 mm)	0-60 RPMs	Box	0	36	12	13	0.9	346

Ace External & Internal Chamfer Tool

- Including drill bit function 8mm DR
- For PE, PVC, CPVC, PEX, ABS & PP
- Warning: Do not use impact/Hammer Drivers

NEW



Item No.	Capacity	Drill Use	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YPO051-SK7	Inner: 1 1/16"-1 3/8" (27-86 mm) Outer: 1 1/8"-3 1/4" (28-83 mm)	0-60 RPMs	Box	0	24	7.6	8.2	1.2	317

Inner Reamer

- Including drill bit function 1/4" DR
- For steel, iron, stainless steel, copper, aluminum and hard plastic tubes
- Use lubricate oil to improve tool performance for hard steel
- Warning: Do not use impact/Hammer Drivers

NEW



Item No.	Capacity	Drill Use	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YPO045-4	1/8" - 3/4" (3-19 mm)	0-400 RPMs	Card	24	144	9	10.5	1.5	48

Outer Reamer

- Including drill bit function 1/4" DR
- For round stock, bar stock, threaded rod, screws and more
- Use lubricate oil to improve tool performance for hard steel
- Warning: Do not use impact/Hammer Drivers
- Exclusive for Germany, open for other regions

NEW



Item No.	Capacity	Drill Use	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YPO045-1	1/8" - 3/4" (3-19 mm)	0-400 RPMs	Card	24	144	12	13	1.5	66

Inner & Outer Reamer Set

- Including drill bit function 1/4" DR
- Use lubricate oil to improve tool performance for hard steel

NEW

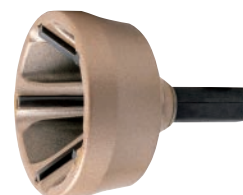


Item No.	Capacity	Drill Use	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YPO045A	1/8" - 3/4" (3-19 mm)	0-400 RPMs	Card	12	48	13	14	1.8	214

External Chamfer Tool

- Multi-national patent
- Including drill bit function 3/8" DR
- For round stock, bar stock, threaded rod, screws and more
- Use lubricate oil to improve tool performance for hard steel
- Warning: Do not use impact/Hammer Drivers
- Exclusive for Germany, open for other regions

NEW



Item No.	Capacity	Drill Use	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YPO1536T5	1/2" - 1 3/8" (13 - 35 mm)	0-150 RPMs	Card	12	72	13.5	14.5	1.35	162

External Chamfer Tool

- Multi-national patent 3/8" DR
- Including drill bit function
- For round stock, bar stock, threaded rod, screws and more
- Use lubricate oil to improve tool performance for hard steel
- Warning: Do not use impact/Hammer Drivers
- Exclusive for Germany, open for other regions

NEW



Item No.	Capacity	Drill Use	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YPO3454T9	1 3/8" - 2 1/8" (34 - 54 mm)	0-60 RPMs	Plastic Box	20	40	17	18.5	1.6	288

DIN Mushroom Flare

SAE Bubble Flare

SAE Double Invert Flare

Single Flare

FLARING TOOL



Brake Pipe Flaring Tool Kit

- For copper, steel, stainless pipe
- For Stainless steel size below 1/4" (6.35mm)
- Steel forged yoke
- Produce professional 45° single, double and bubble brake flares in seconds
- Convenient and efficient cam lever operation
- Adapters mounted on turret for easy and quick rotate
- Smooth die channel does not mark tube
- Compact blow case available for 1 turret models



Item No.	Capacity	Angle	Turret	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD350A	3/16", 1/4", 5/16", 3/8" Optional: 1/2"	45°	1	Blowcase	0	4	16.5	17.5	1.4	4106
FTD351A		37°	1	Blowcase	0	4	16.5	17.5	1.4	4106
FTD353A		45°+37°	2	Blowcase	0	4	17.5	18.5	1.4	4334
FTD350M	4.75, 5, 6 mm Optional: 8, 10, 12mm	45°	1	Blowcase	0	4	16	17	1.4	3948
FTD351M		37°	1	Blowcase	0	4	16	17	1.4	3948
FTD353M		45°+37°	2	Blowcase	0	4	17	18	1.4	4176
FTD350C	3/16", 1/4", 5/16", 3/8" Optional: 1/2", 8, 10, 12mm	45°	1	Blowcase	0	4	16.5	17.5	1.4	4106
FTD351C		37°	1	Blowcase	0	4	16.5	17.5	1.4	4106
FTD352C	3/16", 1/4", 5/16", 3/8" 4.75, 5, 6 mm Optional: 1/2", 8, 10, 12mm	45°	2	Blowcase	0	4	19.5	20.5	1.4	4842
FTD353C	3/16", 1/4", 5/16", 3/8" 4.75, 5, 6 mm Optional: 1/2", 8, 10, 12mm	45°+37°	2	Blowcase	0	4	19.5	20.5	1.4	4842



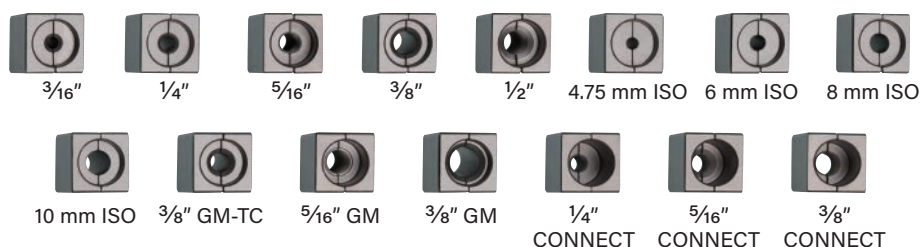


Universal Hydraulic Flaring Tool Set

- Creates precise flares in stainless steel & metal tubing
- Hydraulic pump for easy use
- Pressure power: 3,000 kgs
- Simple one-handed operation and can be vice mounted
- Including various sizes of dies and adapters for working on flaring tubes of GM fuel lines, brake lines, transmission lines and air condition lines



Insert the tube between the dies
And insert the dies into the yoke



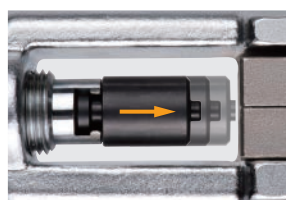
Place the adapter onto the
adapter seat



Close the relief valve



Begin squeezing the lever



And continue until the edge
of the adapter meets the die



Finished

Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD430	Push-connect : 1/4", 5/16", 3/8" GM Fuel Line Flare : 5/16", 3/8" 45° & Double Flare : 3/16", 1/4", 5/16", 3/8", 1/2" Metric Bubble Flare : 4.75, 6, 8, 10 mm GM-TC : 3/8" Optional: Push-connect: 1/2" GM-TC: 1/2"	Blowcase	0	2	13	14	1.2	6738



Hydraulic Flaring Tool Kit

- Create precision 45° double, single and bubble flares in seconds
- Brake flaring tool works with stainless steel, steel and soft metal tubing
- Use for brake lines, transmission cooler lines and fuel lines



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g	
FTD415A	3/16", 1/4"	Blowcase	0	6	15	16	1.3	2510	
FTD415M	4.75, 5, 6 mm								

Hydraulic Flaring Tool Kit

- Create precision 45° double, single and bubble flares in seconds
- Brake flaring tool works with stainless steel, steel and soft metal tubing
- Use for brake lines, transmission cooler lines and fuel lines
- Bender: TB346
- Mini tube cutter: TCM130B (1/8"-5/8"; 3-16 mm)
- Deburring tool: DT602 (3-12 mm)



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g	
FTD420A	3/16", 1/4"	Blowcase	0	5	25.5	26.5	2	5090	
FTD420M	4.75, 5, 6 mm								

Universal Hydraulic Flaring Tool Set

- For steel, aluminum, brass and copper tubes
- Light weight, use directly on the vehicle
- Suitable for coated wires
- 360° rotate hydraulic body
- Quick-release lever
- Adapter quick-lock system
- Exclusive for US market, open for other regions



Quick-lock system



360° rotate



Quick-release lever

Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g	
FTD425M	DIN & Double : 4.75, 5, 6, 8 mm (10 mm optional)	Blowcase	0	4	16.5	17.5	2.3	4042	



Universal Hydraulic Flaring Tool Set

- Sliding bar design
- For steel, aluminum, brass and copper tubes
- Light weight, use directly on the vehicle
- Suitable for coated wires
- 360° rotate hydraulic body
- Quick-release lever
- Adapter quick-lock system



Sliding bar design



Quick-release lever



Quick-lock system



360° Rotate



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD427A	37 & 45°: 3/16", 1/4", 5/16", 3/8" DIN : 3/16", 1/4", 5/16"	Blowcase	0	4	16	17	1.4	3974
FTD427M	45° : 4.75, 6, 8, 10mm DIN : 4.75, 5, 6, 8mm	Blowcase	0	4	16	17	1.4	3974



Universal Hydraulic Flaring Tool Set

- Sliding bar design
- For steel, aluminum, brass and copper tubes
- Light weight, use directly on the vehicle
- Suitable for coated wires
- 360° rotate hydraulic body
- Quick-release lever
- Adapter quick-lock system



Sliding bar design



Quick-release system



Quick-lock system



360° Rotate



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD432A	37 & 45°: 3/16", 1/4", 5/16", 3/8" DIN : 3/16", 1/4", 5/16"	Blowcase	0	4	16	17	1.4	3996
FTD432M	45° : 4.75, 6, 8, 10mm DIN : 4.75, 5, 6, 8mm	Blowcase	0	4	16	17	1.4	3996

Compact flaring tool

- 45° double flares
- For steel, nickel and copper tubes
- Light weight, use directly on the vehicle
- Brake lines repair work



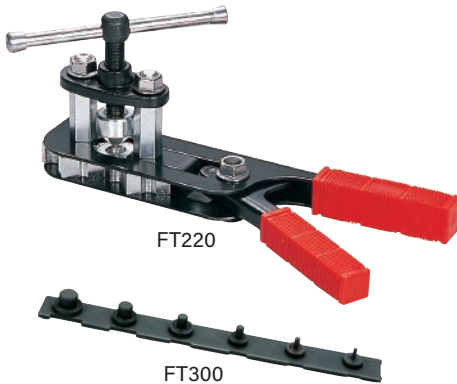
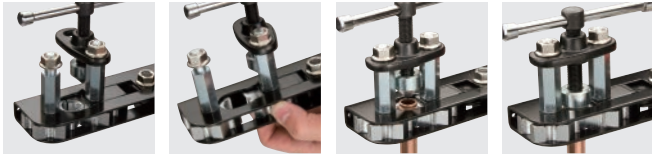
Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FT225A	3/16"	Card	6	36	21	22	1.8	570
FT225B	1/4"	Card	6	36	21	22	1.8	570

FT220A Deluxe Flaring Tool Set with 6 in 1 Adapter

FT220 Deluxe Flaring Tool Set

FT300 6 in 1 Adapter

- 6 in 1 for 3/16", 1/4", 5/16", 3/8", 1/2", 5/8"
- Ideal for flaring copper, aluminum and thin-wall tubing for leak-free connection
- Complete bubble flaring
- Cam locking action on the six sided revolving collet head
- Hold pipe securely while flaring and release quickly when done



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FT220A	3/16", 1/4", 5/16", 3/8", 1/2", 5/8"	Box	0	12	13	14	0.9	1054
FT220		Box	0	12	13	14	0.9	929
FT300		Box	20	120	15	16	0.6	125

Metric Bubble Flaring Tool Kit

- Forged yoke and hardened screen bar
- Ideal for flaring copper, aluminum and thin-wall tubing for leak-free connections
- Complete bubble flaring tool assortment
- Slots on yoke firmly engage with bar assembly
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FS241M	FTB241M: 4.75, 6, 8, 10 mm	Blowcase	0	12	19	20	1.4	1545

Tube Cutter and Double Flaring Tool Kit

- Forged yoke
- Ideal for flaring copper and aluminum tubing for leak-free connections
- Complete double flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Tube cutter: TC131A (1/8"-1 1/8"; 3-30 mm)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD210A	FTB210A: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	Blowcase	0	12	20	21	1.2	1645
FTD210M	FTB212M: 4, 6, 8, 10, 12, 14, 16 mm	Blowcase	0	12	20	21	1.2	1645

Double Flaring Tool Kit

- Cast-iron yoke
- Ideal for flaring copper and aluminum tubing for leak-free connections
- Complete double flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD220A	FTB210A: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	Plastic Box	0	20	21	22	0.9	1036
FTD220C	FTB210C: 1/4", 1/2", 4.75, 5, 6, 8, 10 mm	Plastic Box	0	20	21	22	0.9	1036
FTD220M	FTB212M: 4, 6, 8, 10, 12, 14, 16 mm	Plastic Box	0	20	21	22	0.9	1036

Double Flaring Tool Kit

- Cast-iron yoke
- Ideal for flaring copper and aluminum tubing for leak-free connections
- Complete double flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD221A	FTB210A: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	Blowcase	0	18	19.5	20.5	1.6	980
FTD221C	FTB210C: 1/4", 1/2", 4.75, 5, 6, 8, 10 mm	Blowcase	0	18	19.5	20.5	1.6	980
FTD221M	FTB212M: 4, 6, 8, 10, 12, 14, 16 mm	Blowcase	0	18	19.5	20.5	1.6	980

Double Flaring Tool Kit

- Cast-iron yoke
- Ideal for flaring copper and aluminum tubing for leak-free connections
- Complete double flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength
- FTD223A: including mini cutter TCM213 1/8" - 5/8" (3-16 mm)
- FTD223M: including mini cutter TCM213 1/8" - 5/8" (3-16 mm)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD222A	FTB150A: 3/16", 1/4", 5/16", 3/8", 1/2"	Blowcase	0	18	19.5	20.5	1.6	1036
FTD222M	FTB150M: 3/16", 1/4", 5/16", 3/8", 1/2"	Blowcase	0	18	19.5	20.5	1.6	1036
FTD223A	FTB150A: 3/16", 1/4", 5/16", 3/8", 1/2"	Blowcase	0	18	23	24	1.6	1274
FTD223M	FTB150M: 3/16", 1/4", 5/16", 3/8", 1/2"	Blowcase	0	18	23	24	1.6	1274

Double Flaring, Tube Cutter & Deburring Tool Kit

- Ideal for flaring copper, aluminum and thin-wall tubing for leak-free connections
- Complete double flaring tool assortment
- Cam locking action on the six sided revolving collet head
- Hold pipe securely while flaring and release quickly when done
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength
- Flaring tool: FT220A (3/16", 1/4", 5/16", 3/8", 1/2", 5/8")
- Tube cutter: TC128A (1/8"-1 1/4"; 3-32 mm)
- Deburring tool: DT200 (Outside: 1/8"-1 3/8" (3-36 mm)/Inside: 3/16"-1 5/8" (4.75-42 mm))



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD230	3/16", 1/4", 5/16", 3/8", 1/2", 5/8"	Blowcase	0	10	22	23	2.7	2179

Tube Cutter and Flaring Tool Kit

- Ideal for flaring copper, aluminum and thin-wall tubing for leak-free connections
- Steel screw yoke slips quickly over hardened and plated bars without removing heavy-duty wing nuts
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Tube cutter: TC126A (1/8"-1 1/8"; 4-28 mm)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD240A	FTB200A: 3/16", 1/4", 5/16", 3/8", 1/2"	Blowcase	0	12	18	19	1	1480
FTD240M	FTB201M: 4.75, 5, 6, 8, 10 mm	Blowcase	0	12	18	19	1	1480

Double Flaring Tool Kit

- Cast-iron yoke
- Ideal for flaring copper and aluminum tubing for leak-free connections
- Complete double flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength
- Mini tube cutter: TCM130C (1/8"-5/8"; 3-16 mm)
- Deburring tool: DT100 (SUJ2)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD250A	FTB210A: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	Blowcase	0	12	15.5	16.5	1.3	1274

Combined Double/Bubble Flaring Tool Kit

- Forged yoke and hardened screen bar
- Ideal for flaring copper, aluminum and thin-wall tubing for leak-free connections
- Complete double and bubble flaring tool assortment
- Slots on yoke firmly engage with bar assembly
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength
- Mini tube cutter: TCM213 (1/8"-5/8"; 3-16 mm)
- Deburring tool: DT602 (3-12 mm)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FS242	FTB234C Double: 3/16", 1/4", 5/16", 3/8", 1/2" FTB234C Bubble: 4, 4.75, 6, 8, 10 mm	Blowcase	0	6	13	14	1.3	2040

I.S.O. Flaring Tool Kit

- Cast-iron yoke
- Ideal for flaring copper and aluminum tubing for leak-free connections
- Complete bubble flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Wrench/gauge included



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FS250M	FTB140M: 4.75, 6, 8, 10 mm	Blowcase	1	12	16	17	1.2	1286

I.S.O. Flaring Tool Kit

- Cast-iron yoke
- Ideal for flaring copper and aluminum tubing for leak-free connections
- Complete bubble flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Wrench/gauge included
- Deburring tool: DT602 (3-12 mm)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FS251M	FTB140M: 4.75, 6, 8, 10 mm	Blowcase	1	12	17	18	1.2	1332

Double Flaring and Cutting Tool Kit

- Cast-iron yoke and hardened screen bar
- Ideal for flaring copper, aluminum and thin-wall tubing for leak-free connections
- Complete double flaring tool assortment
- Slots on yoke firmly engage with bar assembly
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength
- Tube cutter: TC126A (1/8"-1 1/8"; 4-28 mm)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTD260A	FTB230A: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	Blowcase	0	12	22	23	1.4	1700
FTD260M	FTB231M: 4, 4.75, 6, 8, 10, 12, 14 mm	Blowcase	0	12	22	23	1.4	1700

Combined Double/Bubble Flaring Tool Kit

- Forged yoke and hardened screen bar
- Ideal for flaring copper, aluminum and thin-wall tubing for leak-free connections
- Complete double and bubble flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength
- Mini tube cutter: TCM130D (1/8"-5/8"; 3-16 mm)
- Deburring tool: DT602 (3-12 mm)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FS272	FTB230A Double: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" FTB241M Bubble: 4.75, 6, 8, 10 mm	Blowcase	0	8	23	24	1.8	2890

Imperial & Metric Flaring Tool Kit

- Cast-iron yoke and hardened screen bar
- Ideal for flaring copper, aluminum and thin-wall tubing for leak-free connections
- Complete double and bubble flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength
- Deburring tool: DT602 (3-12 mm)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FS300	FTB150A: 3/16", 1/4", 5/16", 3/8", 1/2" FTB140M: 4.75, 6, 8, 10 mm	Blowcase	0	12	22	23	1	1708

Master Tubing Service Kit

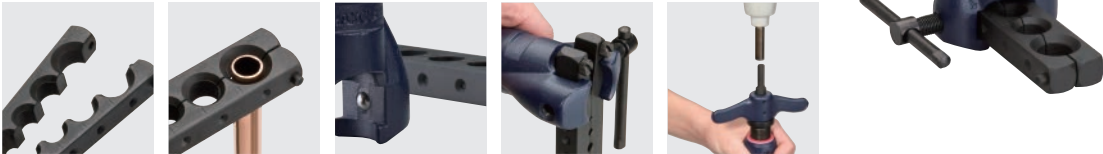
- Forged yoke and hardened screen bar
- Ideal for flaring copper, aluminum and thin-wall tubing for leak-free connections
- Complete double and bubble flaring tool assortment
- Bars open quickly for easy tubing insertion/removal
- Extra-long bars fit in vise for easier flaring
- Yoke has freewheeling plated cone for faster, smoother flaring and greater strength
- Heavy duty tube bender: TB410 (3/16", 1/4" & 5/16", 3/8")
- Mini tube cutter: TCM130D (1/8"-5/8"; 3-16 mm)
- Deburring tool: DT602 (3-12 mm)



Item No.	Bar	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FTT296	FTB230A: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	Blowcase	0	8	21.5	22.5	1.8	2520

Eccentric Cone Type Flaring Tool Set

- Handle: Lost wax casting
- With 3/8" square adapter for power drill 5/16" hex
- Optional 3/8" square adapter for impact drill 1/4" hex
- Eccentrically mounting, hardened steel flaring cone
- Handle clutch releases when flare is complete
- Produces 45° flare



Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FT400A	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Lost Wax Casting	Box	0	12	21	22	1.6	1400
FT400M	6, 8, 10, 12, 14, 15, 16, 18 mm	Lost Wax Casting	Box	0	12	20	21	1.6	1630
FT420	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" 6, 8, 10, 12, 14, 15, 16, 18 mm	Lost Wax Casting	Box	0	12	23	24	1.6	1880
FT406A	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Lost Wax Casting	Box	0	12	19	20	1.6	1600

Eccentric Cone Type Flaring Tool Set

- Handle: Lost wax casting
- With 3/8" square adapter for power drill 5/16" hex
- Optional 3/8" square adapter for impact drill 1/4" hex
- Eccentrically mounting, hardened steel flaring cone
- Handle clutch releases when flare is complete
- Produces 45° flare



Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FT411A	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Nodular Cast Iron	Box	0	12	21	22	1.6	1400
FT411M	6, 8, 10, 12, 14, 15, 16, 18 mm	Nodular Cast Iron	Box	0	12	21	22	1.6	1400
FT413A	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Nodular Cast Iron	Box	0	12	21	22	1.6	1400

Eccentric Cone Type Flaring Tool Set

- Handle: Aluminum
- Eccentrically mounting, hardened steel flaring cone
- Handle clutch releases when flare is complete
- Produces 45° flare



Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FT414A	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Cast Iron	Box	0	12	21	22	1.6	1400
FT414M	6, 8, 10, 12, 14, 15, 16, 18 mm	Cast Iron	Box	0	12	21	22	1.6	1400
FT416A	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Cast Iron	Box	0	12	21	22	1.6	1400

Ratchet Type Eccentric Cone Flaring Tool Set

- Handle: Lost wax casting
- Ratcheting handle reduces effort required especially in confined areas
- Eccentrically mounting, hardened steel flaring cone
- Handle clutch releases when flare is complete
- Produces 45° flare



Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FT401A	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Lost Wax Casting	Box	0	12	21	22	1.6	1400
FT401M	6, 8, 10, 12, 14, 15, 16, 18 mm	Lost Wax Casting	Box	0	12	21	22	1.6	1400
FT403A	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Lost Wax Casting	Box	0	12	21	22	1.6	1400

Ratchet Type Eccentric Cone Flaring Tool Set

- Handle: Lost wax casting
- Ratcheting handle reduces effort required especially in confined areas
- Eccentrically mounting, hardened steel flaring cone
- Handle clutch releases when flare is complete
- Produces 45° flare
- FT421A for 37° flare



Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FT417A	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Cast Iron	Box	0	12	21	22	1.6	1400
FT417M	6, 8, 10, 12, 14, 15, 16, 18 mm	Cast Iron	Box	0	12	21	22	1.6	1400
FT419A	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Cast Iron	Box	0	12	21	22	1.6	1400
FT421A	1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	Cast Iron	Box	0	12	21	22	1.6	1400

Eccentric Cone Type Flaring Tool Set

- Handle : Metal
- Manual flare tool
- Produces 45° flare

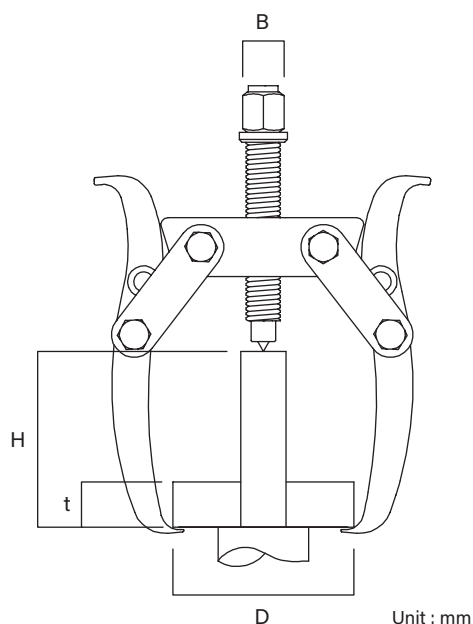


Item No.	Capacity	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FT600A	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4"	Cast Iron	Box	0	10	13	14	0.5	1300
FT600M	4, 6, 8, 10, 12, 14, 15, 16 mm	Cast Iron	Box	0	10	13	14	0.5	1300

GEAR PULLER

GEAR PULLER 50





Two-jaw Gear Puller

- Ideal for removing gears, sprockets, bearings, pulleys & much more
- Professional quality forged chrome vanadium steel
- Precision heat treated for maximum durability and strength
- Hardened steel center bolt with hex head for sure-grip wrench fit
- Jaws can be reversed to grip firmly inside or outside gears or parts



Item No.	D min.	D max.	H	t	B	K.N	Package	Inner	Carton	N.W.	G.W.	Cuft	g
GP30003	40 (1 3/4")	75 (3")	55	30	14	20	Box	0	40	17.6	18.6	0.9	440
GP30004	50 (2")	100 (4")	90	40	17	40	Box	0	20	15.5	16.5	0.8	748
GP30006	60 (2 3/8")	150 (6")	140	50	19	60	Box	0	10	16.5	17.5	1.2	1600
GP30008	80 (3 1/8")	200 (8")	190	90	23	80	Box	0	5	17.5	18.5	1.2	3400
GP30012	120 (4 3/4")	300 (12")	275	125	32	120	Box	0	3	21	22	1.6	6833

Three-jaw Gear Puller

- Ideal for removing gears, sprockets, bearings, pulleys & much more
- Professional quality forged chrome vanadium steel
- Precision heat treated for maximum durability and strength
- Hardened steel center bolt with hex head for sure-grip wrench fit
- Jaws can be reversed to grip firmly inside or outside gears or parts



Item No.	D min.	D max.	H	t	B	K.N	Package	Inner	Carton	N.W.	G.W.	Cuft	g
GP33003	40 (1 3/4")	75 (3")	55	30	14	25	Box	0	30	16.5	17.5	0.9	482
GP33004	50 (2")	100 (4")	90	40	17	50	Box	0	16	17	18	0.8	969
GP33006	60 (2 3/8")	150 (6")	140	50	19	75	Box	0	8	18	19	1	2188
GP33008	80 (3 1/8")	200 (8")	190	90	23	100	Box	0	4	18	19	1.3	4375
GP33012	120 (4 3/4")	300 (12")	275	125	32	150	Box	0	1	12	13	0.9	10500

Two & Three-jaw Gear Puller kit

- Ideal for removing gears, sprockets, bearings, pulleys & much more
- For both 2 and 3 jaw
- Professional quality forged chrome vanadium steel
- Precision heat treated for maximum durability and strength
- Hardened steel center bolt with hex head for sure-grip wrench fit
- Jaws can be reversed to grip firmly inside or outside gears or parts



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
GP40003	3" / 75mm	Box	0	30	20	21	0.9	663
GP40004	4" / 100mm	Box	0	16	19	20	1	1139
GP40006	6" / 150mm	Box	0	8	23	24	1	2563
GP40008	8" / 200mm	Box	0	4	24.5	25.5	0.9	5500
GP40012	12" / 300mm	Box	0	1	14	15	0.9	12000

Two & Three-jaw Gear Puller

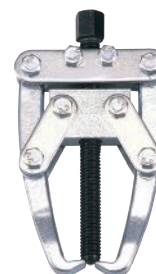
- Ideal for removing gears, sprockets, bearings, pulleys & much more
- For both 2 and 3 jaw
- Professional quality forged chrome vanadium steel
- Precision heat treated for maximum durability and strength
- Hardened steel center bolt with hex head for sure-grip wrench fit
- Jaws can be reversed to grip firmly inside or outside gears or parts



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
GP63003	3" / 75 mm	Card	0	32	18	19	4.3	564
GP63005	5" / 125 mm	Card	0	12	19	20	2.9	1594

2" Heavy Duty Wiper Arm Puller

- Ideal for removing wiper arm
- Professional quality forged chrome vanadium steel
- Precision heat treated for maximum durability and strength
- Hardened steel center bolt with hex head for sure-grip wrench fit
- Jaw opening 10-50 mm



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
GP500	2"	Box	0	100	20	21	0.8	185

Battery Terminal and Wiper Arm Puller

- Ideal For removing the stuck battery terminal, also removing bolted-on windshield wiper arms that fit over a tapered spline
- Jaw opening: 6-28 mm
- Outer diameter: 48 mm
- Precision heat treated for maximum durability and strength
- The product has a ejector adjustment knob, which can adjust the hook opening degree according to different needs, which is convenient and labor-saving



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
GP510	2"	Box	0	50	15.2	16.2	1	304



Fixed type

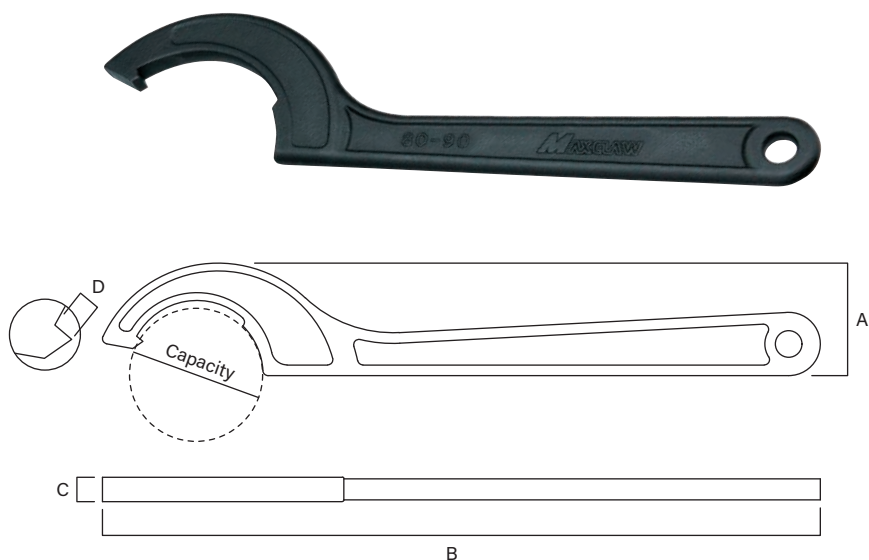
Pin type



Pin type



HOOK WRENCH



Unit : mm

Fixed Spanner Wrench

- Hardened and tempered drop-forged chrome vanadium steel
- With hanging hole
- For slotted nuts
- Unique unibody design, excellent shape spanner, not easy to break and has long service life
- Manganese phosphate

Item No.	Capacity	A±2	B±3	C±1	D± ^{0.5} ₀	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW245	12-14 mm	13.6	110	3.8	1.5	Bulk	0	100	2.3	2.5	0.13	22
HW246	16-20 mm	13.6	110	3.8	1.5	Bulk	0	100	2.3	2.5	0.13	22
HW247	25-28 mm	22	136	4.6	2	Bulk	0	100	3.7	3.9	0.13	36
HW248	30-32 mm	22	136	4.6	2	Bulk	0	100	3.9	4.1	0.13	38
HW249	34-36 mm	30	171	5.4	2	Bulk	0	150	12.4	12.9	0.6	82
HW250	40-42 mm	30	171	5.4	2	Bulk	0	150	11.5	12	0.6	76
HW251	45-50 mm	38	196	6.6	2	Bulk	0	100	13	14	0.6	132

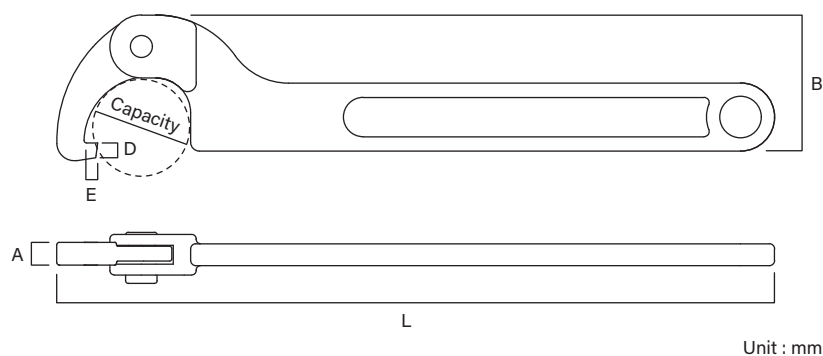
Item No.	Capacity	A±2	B±3	C±1.5	D± ^{0.5} ₀	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW252	52-55 mm	43	220	7.3	2.5	Bulk	0	100	18	19	0.6	178
HW253	58-62 mm	47	243	8.3	2.5	Bulk	0	60	14	15	0.6	224
HW254	68-75 mm	54	261	8.6	3.0	Bulk	0	60	17	18	0.6	282
HW255	80-90 mm	65	281	9.3	3.5	Bulk	0	50	18	19	0.6	368
HW256	92-100 mm	70	283	9.4	3.5	Bulk	0	50	19	20	0.6	394
HW257	110-115 mm	70	335	10.4	4	Bulk	0	30	18	19	0.6	588
HW258	120-130 mm	70	335	10.4	4	Bulk	0	30	16	17	0.6	540



Hook Wrench

- Hardened and tempered drop-forged chrome vanadium steel
- With flexible head
- With hanging hole
- For slotted nuts
- Chrome plating finish

Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW101	3/4"-2"	Card	20	120	15	16	1.5	120
HW102	1 1/4"-3"	Card	10	80	20	21	1.3	230
HW103	2"-4 3/4"	Card	10	40	18	19	1	452
HW104	4 1/2"-6 1/4"	Card	10	40	18	19	1	488



Adjustable Hook Spanner Wrench

Fixed Type

- Hardened and tempered drop-forged chrome vanadium steel
- With hanging hole
- The hinge is fitted with a spring washer guaranteeing smooth and reliable operation
- Satin chrome finish

Item No.	Capacity	A	B	L	D	E	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW171	15-35 mm	5.2	31	168	3.3	3.2	Card	20	160	18	19	1.1	94
HW172	35-50 mm	5.9	39	202	3.8	4.2	Card	20	80	17	18	1	186
HW173	50-80 mm	7.5	55	280	4.8	5.2	Card	10	40	17	18	0.9	382
HW174	80-120 mm	8.2	75	345	5.3	5.8	Card	6	24	18	19	1	642
HW175	120-180 mm	10.8	110	465	9.2	7.8	Card	3	12	17	18	1	1286

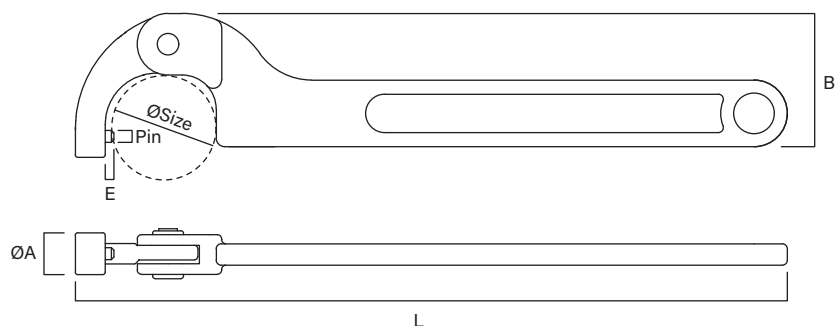


Hook Wrench Pin Type

- Hardened and tempered drop-forged chrome vanadium steel
- With flexible head
- With hanging hole
- For slotted nuts
- Chrome plating finish



Item No.	Capacity	Pin	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW111	3/4"-2"	4mm	Card	20	120	15	16	1.5	120
HW112	1 1/4"-3"	5mm	Card	10	80	22	23	1.3	240
HW113	2"-4 3/4"	6mm	Card	10	40	20.5	21.5	1	446
HW114	4 1/2"-6 1/4"	8mm	Card	10	40	20	21	1	496



Unit : mm

Adjustable Hook Spanner Wrench

Pin Type

- Hardened and tempered drop-forged chrome vanadium steel
- With hanging hole
- For nuts with lateral holes
- The hinge is fitted with a spring washer guaranteeing smooth and reliable operation
- These 5 dimensions replace more wrenches than classical fixed models
- Satin chrome finish



Item No.	Capacity	ØA	B	L	Pin	E ⁺¹ _{-0.5}	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW181	15-35 mm	9.8	31	168	2.8	2.8	Card	20	160	18	19	1.1	94
HW182	35-50 mm	10.7	39	202	3.8	3.6	Card	20	80	17	18	1	186
HW183	50-80 mm	14.0	55	280	4.8	5	Card	10	40	17	18	0.9	382
HW184	80-120 mm	17.2	75	345	5.8	7	Card	6	24	18	19	1	642
HW185	120-180 mm	19.2	110	465	7.8	9	Card	3	12	17	18	1	1286

Hook Wrench

- Hardened and tempered drop-forged chrome vanadium steel
- With hanging hole
- Use in the lateral grooves
- Adjustable steering stem
- Satin chrome finish



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW176	10-50 mm	Bulk	12	48	18	19	0.3	380
HW177	20-100 mm	Bulk	6	24	20	21	0.5	840
HW178	30-200 mm	Bulk	8	8	18	19	0.6	2250

Hook Wrench

- Hardened and tempered drop-forged chrome vanadium steel
- With hanging hole
- For nuts with lateral holes
- Slide design for rapid positioning
- The wrenches are fitted with 2 sets of easily interchangeable pins
- Chrome plating finish



Item No.	Capacity	Pin	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW186	10-50 mm	2.5, 4 mm	Bulk	12	480	18	19	0.3	380
HW187	20-100 mm	4, 6 mm	Bulk	6	24	20	21	0.5	840
HW188	30-200 mm	5.9, 7.9 mm	Bulk	8	8	18	19	0.6	2250

Hook Wrench

- Hardened and tempered drop-forged chrome vanadium steel
- Use in the lateral grooves
- Replaces many classical model wrenches thanks to its 11 adjustment points in opening
- Satin chrome finish
- Replaces many fixed-size wrenches needed to service industrial tractors and other equipment



HW179

- Handle is 24 inches long and 1 inch in diameter
- Spanner wrench with a 3/4" thick jaw

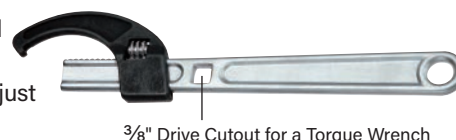
HW180

- Handle is 25 inches long and 1 1/4" in diameter
- Spanner wrench with a 3/8" thick jaw

Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW179	220-324 mm	Bulk	4	4	23	24	1.3	5750
HW180	120-224 mm	Bulk	6	6	20	21	1.5	3340

Adjustable Steering Stem Wrench

- Hardened and tempered drop-forged Chrome Vanadium steel
- Adjust motorcycle steering stem nut
- Work on motorcycle stem nut both loosen and tighten and adjust shock preload
- Satin chrome finish



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW230	25-70 mm	Bulk	12	48	17	18	0.5	210

Adjustable Hook Wrench

- Hardened and tempered drop-forged chrome vanadium steel
- With hanging hole
- For loosening and tightening motorcycle steering stem nut
- Satin chrome finish



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW311	35-105 mm	Bulk	12	48	19	20	0.7	400
HW312	95-165 mm	Bulk	8	24	19	20	0.7	800

Hook and Pin Wrench Kit

- Hardened and tempered drop-forged chrome vanadium steel
- With hanging hole
- Hook and pin interchangeable hinged arms with three wrenches covering sizes 19-120 mm
- Supplied in tough storage case
- Designed for use on slotted retaining rings on motorcycle suspension and other machinery
- Satin chrome finish



Item No.	Capacity	Pin	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW400	3/4"-2", 1 1/4"-3", 2-4 3/4"	4, 5, 6, 8 mm	Blowcase	0	10	11	12	0.8	1100

Pin Spanner Wrenches

- Hardened and tempered drop-forged chrome vanadium steel
- Used to tighten collars, lock nut rings and seal/packing nuts on hydraulic cylinders
- Double-ended round or square pins for nuts with top holes
- Interchangeable pins, pins size: Ø2.5, 4 mm/Ø3, 5 mm/Ø6-8 mm/Ø7, 9 mm
- Satin chrome finish



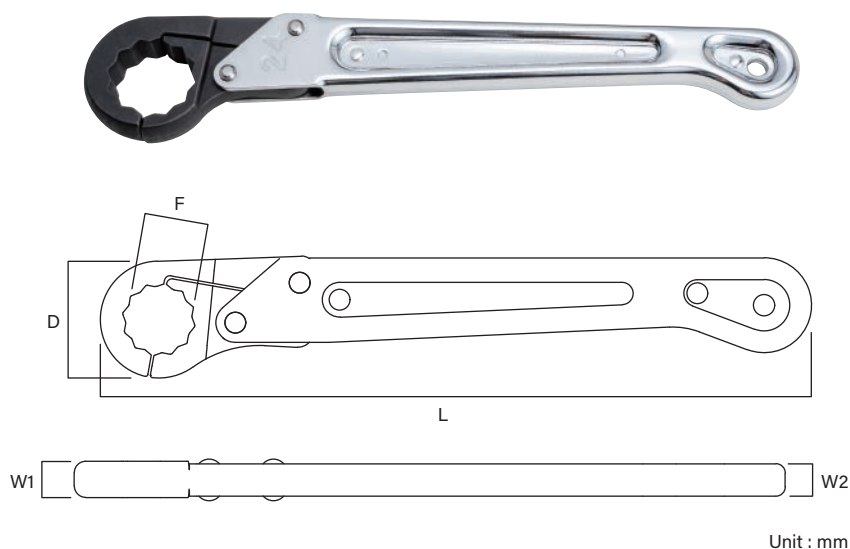
Item No.	Capacity	Pin	Package	Inner	Carton	N.W.	G.W.	Cuft	g
HW601	25/32"-3 15/16" (20-100 mm)	Ø2.5, 4 mm Ø3, 5 mm Ø6, 8 mm Ø 7, 9 mm	Blowcase	0	15	17	18	1.8	1140

Valve Nut Wrench

- Used for removing the TPMS sensor nuts and seating the sensor grommets
- Handles both 11 mm and 12 mm sensor nuts
- Ergonomically designed
- Safely installs all sensor grommets
- Durable



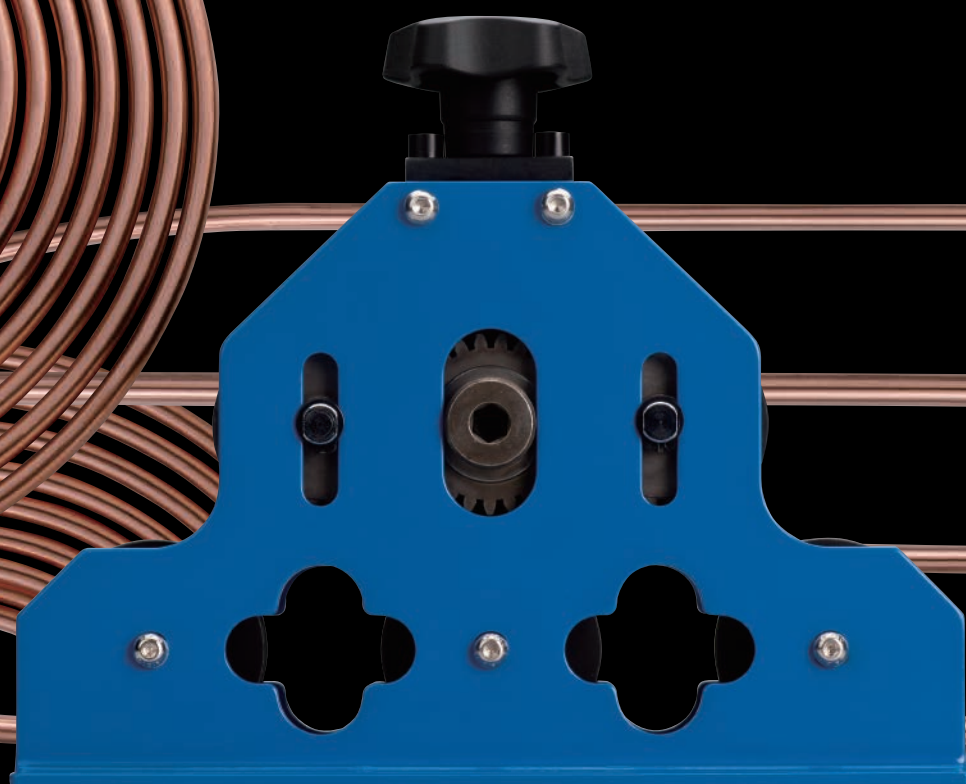
Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
OT146	11, 12 mm	Card	12	36	1.5	2	0.36	42



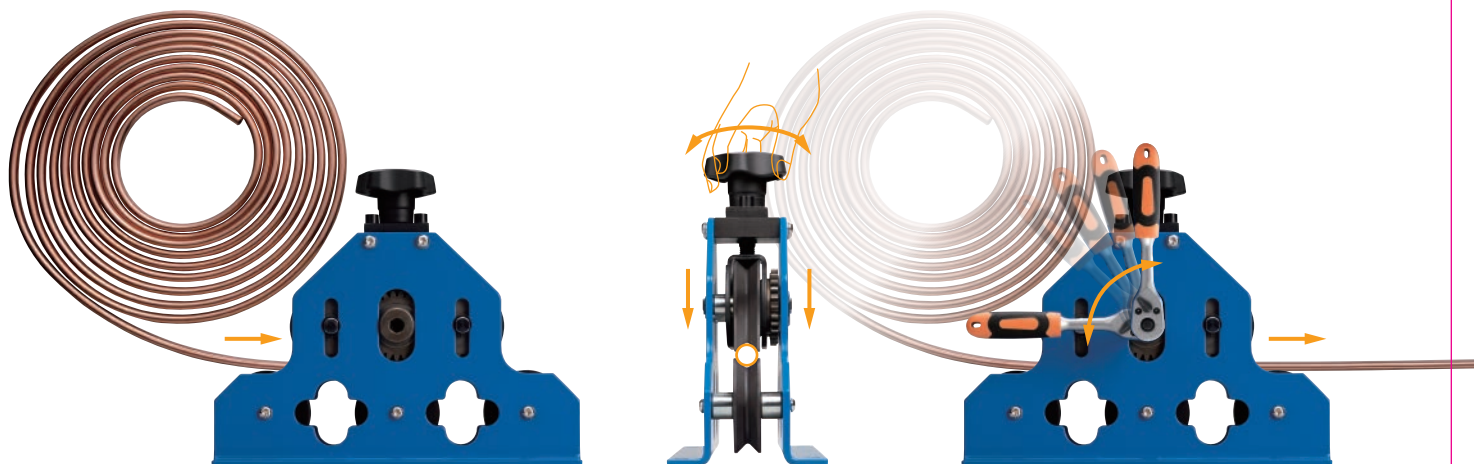
Open Wrench

- Easy to use in the narrow space
- Could be used in the auto/public engineering related industry
- Flare nut ratchets: the wrench opens to pass around the pipe and closes down on the nut for optimum grip
- The special shape of the wrench allows for a ratchet effect
- Fast tightening on all pipes in automotive, trucking, public works, compressors, refrigeration, aeronautics, sanitation
- Hanging hole at end of handle: wrenches stored on panel or hung to avoid loss or fall
- Metric sizes: 7 to 32 mm
- Surface: satin chrome handle/manganese phosphate head

Item No.	Capacity	D	F	W1	W2	L	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RW307B	7 mm	26.4	7 ^{+0.2} _{+0.05}	7	8	139.5	Bulk	25	200	17	18	0.8	84
RW308B	8 mm	26.4	8 ^{+0.2} _{+0.05}	7	8	139.5	Bulk	25	200	17	18	0.8	84
RW309B	9 mm	26.4	9 ^{+0.2} _{+0.05}	7	8	139.5	Bulk	25	200	17	18	0.8	84
RW310B	10 mm	26.4	10 ^{+0.2} _{+0.05}	7	8	139.5	Bulk	25	200	17	18	0.8	84
RW311B	11 mm	26.4	11 ^{+0.3} _{+0.1}	7.2	8	139.5	Bulk	25	200	17	18	0.8	84
RW312B	12 mm	27.5	12 ^{+0.3} _{+0.1}	7.2	8	141	Bulk	25	200	17	18	0.8	84
RW313B	13 mm	27.5	13 ^{+0.3} _{+0.1}	7.2	8	141	Bulk	25	200	18	19	0.8	92
RW314B	14 mm	35.7	14 ^{+0.3} _{+0.1}	10	9	191	Bulk	25	200	18	19	0.8	92
RW316B	16 mm	35.7	16 ^{+0.3} _{+0.1}	10	9	191	Bulk	25	100	16.5	17.5	0.5	165
RW317B	17 mm	35.7	17 ^{+0.3} _{+0.1}	10	9	191	Bulk	25	100	16.5	17.5	0.5	165
RW318B	18 mm	36	18 ^{+0.3} _{+0.1}	10	9	191	Bulk	25	100	17	18	0.5	167
RW319B	19 mm	37	19 ^{+0.4} _{+0.2}	10	9	191	Bulk	25	100	17	18	0.5	167
RW322B	22 mm	40.7	22 ^{+0.4} _{+0.2}	13	12	233	Bulk	20	80	24	25	0.6	294
RW324B	24 mm	43.2	24 ^{+0.4} _{+0.2}	13	12	233	Bulk	20	80	24	25	0.6	300
RW327B	27 mm	54.2	27 ^{+0.4} _{+0.2}	14.1	14.4	235	Bulk	20	80	24	25	0.6	312
RW330B	30 mm	56.4	30 ^{+0.4} _{+0.2}	15.9	14.4	325	Bulk	10	40	25	26	0.8	625
RW332B	32 mm	58.5	32 ^{+0.6} _{+0.2}	15.9	14.4	325	Bulk	10	40	25	26	0.8	625



TUBE STRAIGHTENER



Tube Straightener

- Makes coiled tube straight
- Use by hand or with an electric screwdriver
- Vise or bench mount dual function bracket
- For use on most types of tubing including soft metal tube, copper and stainless steel
- Heavy duty construction
- Essential workshop tool
- Including 3/8" drive hex bit socket



Bench mounted



Vise mounted



Item No.	Capacity	Socket	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TS101	7/16" - 1/2" (11-12.7 mm)	10 mm	Box	0	2	14	15	0.9	5230
TS102	3/16" - 3/8" (4.75-10 mm)	8 mm	Box	0	10	19.6	20.6	1.2	1856



TUBE STRAIGHTENER 29

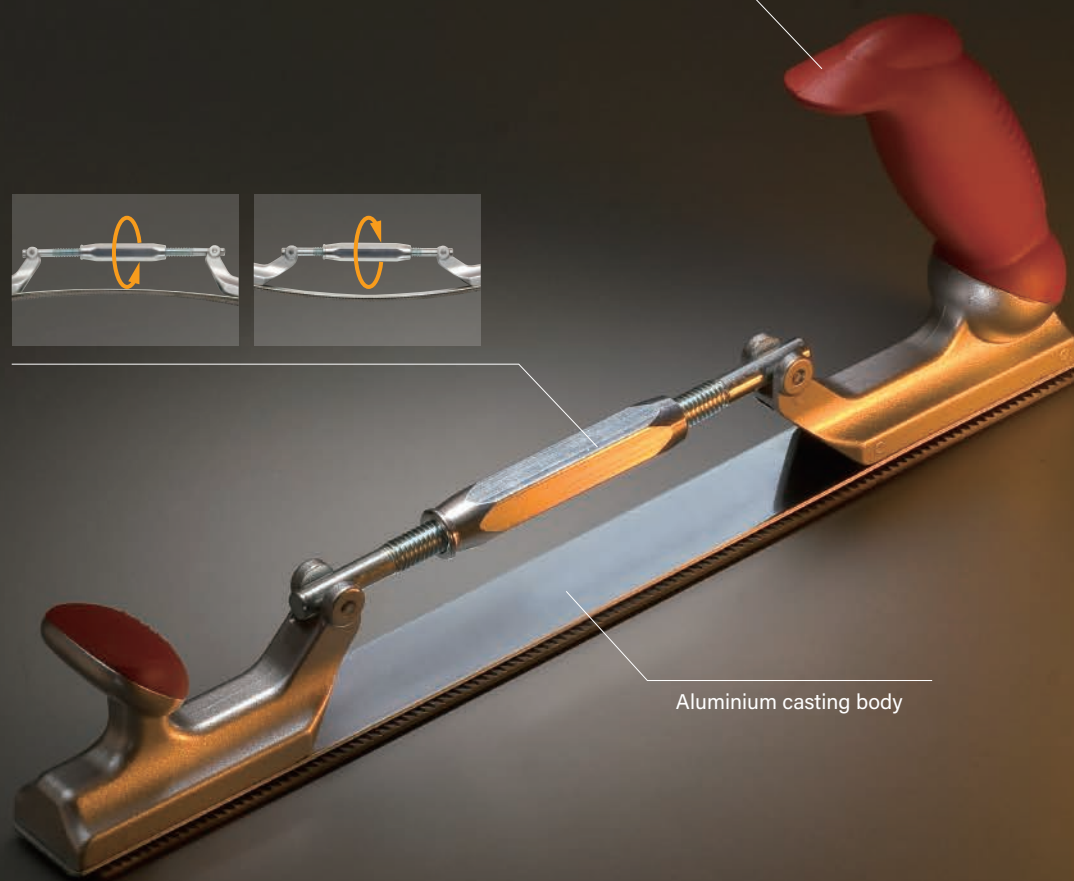
NEW

Handheld Multi-Size Tubing Straightener

- Makes coiled tube straight
- Easy to switch between 3/16" and 1/4"
- Handy & Lightweight



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
TS120	3/16", 1/4" (4.75 mm, 6.35 mm)	Box	0	40	18	19	0.8	450



Aluminium casting body

FILE HOLDER

File Holder

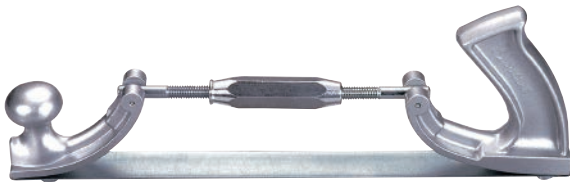
- Features a 2-position swivel lock handle
- Quick adjust center bolt to adjust the arc for different metal angle, more effective
- For flat and curved applications
- File not included



Item No.	Length	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FH130	14"	Aluminium	Box	0	16	13	14	1.2	700

File Holder

- The ergonomic grips fit securely in the hand to ensure a strong and sturdy grip
- Quick adjust center bolt to adjust the arc for different metal angle, more effective
- For flat and curved applications
- File not included



Item No.	Length	Body	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FH120B	14"	Aluminium	Box	0	20	19	20	1.5	672

File

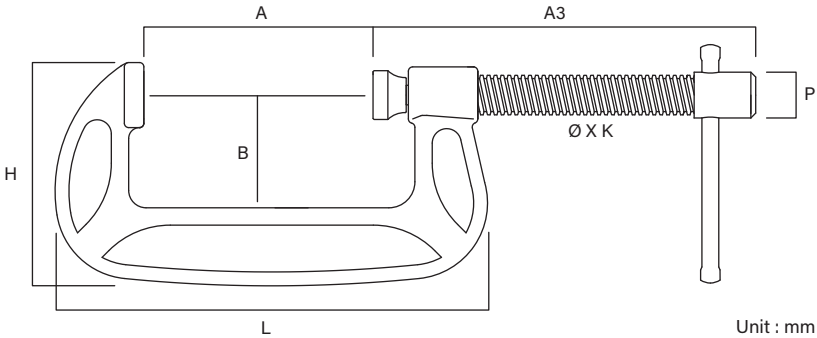
- 9 teeth per inch sharp edge
- 12 teeth per inch sharp edge
- 6 teeth per inch sharp edge



Item No.	Spec.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FH003	9 TPI	Bulk	0	50	15	16	0.2	300
FH004	12 TPI	Bulk	0	50	15	16	0.2	300
FH008	6 TPI	Bulk	0	50	15	16	0.2	300



C-CLAMP



C Clamp

- Steel forged body provides high quality and excellent durability
- Industrial grade construction

Item No.	Capacity	A	B	H	L	A3	Ø X K	P	KGF	Package	Inner	Carton	N.W.	G.W.	Cuft	g
CC40001	1"	27.3	25.5	54.5	77.5	79.9	9.6X12	12.00	300	Box	0	100	24	25	0.7	215
CC40038	1 ½"	40.3	32	67	97	98.9	9.6X12	12.00	400	Box	0	100	24	25	0.7	220
CC40002	2"	57.8	32	71	120	118.7	12.2X10	11.10	600	Box	0	50	19	20	0.6	330
CC40003	3"	71.4	42	84	148	123	13.8X10	12.70	800	Box	0	25	19	20	0.4	680
CC40004	4"	102	53	105	193	187	17.0X10	15.87	900	Box	0	20	24	25	0.7	1100
CC40005	5"	123	62	122	225	232.6	20.6X8	19.05	1100	Box	0	10	18	19	0.6	1800
CC40006	6"	157	73	137	266	261.6	20.6X8	19.05	1300	Box	0	10	31	32	0.7	2900
CC40008	8"	188	98	168	310	308	23.8X6	22.22	1400	Box	0	6	26	27	0.6	3932
CC40010	10"	240	123	197	380	373	23.8X6	22.22	1500	Box	0	4	24	25	0.7	5500
CC40012	12"	291.5	129	212	450	436	27.7X5	25.40	1700	Box	0	3	27	28	0.7	8333



C Clamp

- Steel forged body provides high quality and excellent durability
- Industrial grade construction
- Fully hardened
- Hex spindle head for heavy wrench tightening

Item No.	Capacity	A	B	H	L	A3	Ø X K	P	KGF	Package	Inner	Carton	N.W.	G.W.	Cuft	g
CC42001	1"	26.6	25.4	54.5	77.7	79.9	9.9X12	12	600	Box	0	100	24	25	0.7	215
CC42038	1 1/2"	39.7	31.5	67	97.6	98.8	9.9X12	12	800	Box	0	100	24	25	0.7	220
CC42002	2"	58.0	31.0	71	122	117	12.2X10	14	1000	Box	0	50	19	20	0.6	330
CC42003	3"	72.0	40.1	84	148	144	13.8X10	15	1200	Box	0	25	19	20	0.4	680
CC42004	4"	102	52.5	105	195	187	17.0X10	19	1500	Box	0	20	24	25	0.7	1100
CC42005	5"	125	61.5	122	225	231	20.6X8	21	2000	Box	0	10	18	19	0.6	1800
CC42006	6"	155	72.5	137	267	260	20.6X8	21	2200	Box	0	10	31	32	0.7	2900
CC42008	8"	188	97.5	168	325	308	23.8X6	26	2500	Box	0	6	26	27	0.6	3932
CC42010	10"	240	120	197	385	373	23.8X6	26	2700	Box	0	4	24	25	0.7	5500
CC42012	12"	298	126	212	452	436	27.7X5	29	3000	Box	0	3	27	28	0.7	8333



Deep Throat C Clamp

- Steel drop forged body provides high quality and excellent durability
- Industrial grade construction
- Fully hardened

Item No.	Capacity	A	B	H	L	A3	Ø X K	P	KGF	Package	Inner	Carton	N.W.	G.W.	Cuft	g
CC50102	2"	54.5	57	93.6	116.5	120.2	12.2X10	11.10	1000	Box	0	50	21	22	0.6	420
CC50103	3"	78.5	79.4	124.7	155	150.9	13.8X10	12.70	1500	Bulk	0	20	20	21	0.4	1000
CC50104	4"	112	116	178	216	201.3	17.0X10	15.87	2000	Bulk	0	10	22	23	0.5	2180
CC50106	6"	156	160.6	223.8	272	263.8	20.6X8	19.05	2500	Bulk	0	10	25	26	1	3360



STRAP TENSIONER & SEALER

Steel Strap Tensioner

- For tensioning steel strapping on flat surfaces



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RS210	3/8"-3/4"	Box	0	12	32	33	2	2100

Steel Strap Tensioner

- For tensioning steel strapping on flat surfaces



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RS230	3/8"-3/4"	Box	0	12	33	35	2	2538

Steel Strap Rack Tensioner

- For tensioning steel strapping on flat surfaces



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RS250	3/8"-3/4"	Box	0	15	35	37	2.5	2134

Center Punch Clamp Tensioner

- Safely and quickly installs preform style clamp
- For use on 15 and 16 mm wide preform band clamp



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RS268	5/8"	Box	0	24	23	24	1.2	1288

Center Punch Clamp Tensioner

- Safely and quickly installs preform style clamp
- For use on 15 and 16 mm wide preform band clamp



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RS270	5/8"	Box	0	15	20.8	21.8	2	1180

Band Tensioner

- Safely and quickly installs preform style clamp



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RS260	3/8"-3/4"	Box	0	12	22	24	1.3	1756

Steel Strap Sealer

- For sealing steel banding



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RPS200A	3/8"	Box	0	20	19	20	2	822
RPS200B	1/2"	Box	0	20	19	20	2	822
RPS200C	5/8"	Box	0	20	19	20	2	822
RPS200D	3/4"	Box	0	20	19	20	2	822

Steel Strap Shear

- Suitable for steel, polyester (PET), polypropylene (PP) strip cutting
- Strong and durable
- Alloy steel, black oxide finish construction
- Plastic grip handle type



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
SS120	5/8" - 1 1/4"	Box	0	25	22	23	1.6	740



SILICONE & OTHER TOOLS

Silicone Trowel and Scraper

- Multi-function design
- Silicone trowel
- Surface cleaning blade
- Soft trowel pad
- With 5 sizes radius exchangeable pads
- Extra use for silicone nozzle and outlet cutter
- Durable material



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW112	Card	24	96	9.5	11.5	3.3	70

Silicone Scraper

- Stainless blade on both ends
- Multi-national patent



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW125	Card	24	144	11	12.5	2.8	70

Silicone Scraper

- W/ stainless blade
- Multi-function design
- Silicone remover
- Scraper could push forward or backward
- Surface cleaning blade
- Durable material



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW136	Card	24	144	9	11	2.8	63

Silicone Metal Scraper

- Multi-function design
- Silicone remover
- Scraper could push forward or backward
- Corner cleaning tip
- Durable material



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW132	Card	24	144	10.7	12.2	2	74

Nozzle Plus Silicone Caulking Tools

- Made out of non sticky special material
- Soft silicone trowel
- Nozzle plus set of 3 different sizes radius
- Nozzle plus could fixed firmly
- Durable material



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW138	Card	24	96	10.5	12.5	3.8	97

Caulk Nozzle Stopper

- Prevent air and moisture get into the product
- Save money no more waste
- Push in nozzle stopper after use
- Keeps product fresh every time



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW1394	Card	24	144	8	9.5	2.15	51

Silicone Finishing Tool 10pcs Kit

- Ideal for narrow space
- 9 pads
- Ergonomic handle
- Storage box
- Exclusive for Europe, open for other regions



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW151	Card	20	60	7	8	1.6	110

Handy Screeding Pads Set

- W/ plastic case
- 4-PC of handy pads providing varieties of shapes for most of circumstances



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW1504BS	Plastic Case	24	96	13	14.5	1.8	136

Handy Screeding Pads Set



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW150	Card	12	48	8	10	2.2	168

Silicone Trowel and Scraper

- Multi-function design
- Silicone trowel
- Silicone remover
- Corner cleaning tip
- Surface cleaning blade
- Soft trowel pad
- With 5 sizes radius exchangeable pads
- Extra use for silicone nozzle and outlet cutter



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW111	Card	12	48	6.5	7.5	2.4	111.5

Silicone Trowel and Scraper Set

- W/ stainless blade
- Multi-function design
- Silicone trowel
- Silicone remover
- Comer clarning up
- Surface cleaning blade
- Soft trowel pad
- With 5 sizes radius exchangeable pads
- Extra use for silicone nozzle and outlet cutter



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW130	Card	12	48	7.3	8.5	2.1	152

Silicone Trowel and Scraper Set

- W/ stainless blade
- Multi-function design
- Silicone trowel
- Silicone remover
- Comer clarning up
- Surface cleaning blade
- Soft trowel pad
- With 5 sizes radius exchangeable pads
- Extra use for silicone nozzle and outlet cutter



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW133	Card	12	48	8.5	10.5	3	178

Silicone Trowel & Scraper Set

- W/ caulk nozzle stopper



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW134139	Card	12	48	7.5	9	2.6	151.5

Nozzle Plus and Scraper Set

- Silicone caulking tools
- Made out of none sticky special material
- Soft silicone trowel
- Nozzle plus set of 3 different sizes radius
- Nozzle plus could fixed firmly
- Durable material
- Multi-function design
- Silicone trowel
- Surface cleaning blade



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW138136	Card	12	48	8.5	10	2.9	147.5

Nozzle Plus and Scraper Set

- Silicone caulking tools
- W/ nozzle stopper
- Made out of nane sticky special material
- Soft silicone trowel
- Nozzle plus set of 3 different sizes radius
- Nozzle plus could fixed firmly
- Durable material
- Trangle designed stainless scraper for remove exost silicone
- Surface cleaning blade



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW138136139	Card	12	48	7.5	9	2.6	152

Silicone Trowel Scraper

- Multi-national patent

NEW



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW121	Card	12	48	6.4	7.5	2.5	80

Neatpaint Clip

- 2pcs/set
- Set the neatpaint clip holding on paint can edge
- Amagnet device holds paintbrush firmly in position
- With a can opener



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YW140	N/A	Card	24	96	16.5	18	2.95	172
YW142	For adjustable positions	Card	24	96	16.5	18	2.95	172

Fin Straightening Tool

- Clean and straighten condenser and evaporator coils
- Straighten damaged fins and remove debris without danger of puncture
- Compact size for working in tight spaces



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
OT119	8, 9, 10, 12, 14, 15 Fins Per Inch	Card	10	60	8	9	2.4	92
OT170	8, 9, 10, 12, 14, 15 Fins Per Inch 10.5, 11, 13, 18, 20, 22 Fins Per Inch	Pouch Bag	0	60	9	10	1.8	118

Nail Punches (With Retaining Clip)

- Accommodates up to 1 ¼" (31.2 mm) standard trim nails



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YG001	1 ¼" (31.2 mm)	Card	25	100	18.5	19.5	1.1	160

Nail Punches

- Accommodates up to 1 ¼" (31.2 mm) standard trim nails



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YG002	1 ¼" (31.2 mm)	Card	25	100	18.5	19.5	1.1	170

Nail Punches

- Accommodates up to 1 ¼" (31.2 mm) standard trim nails



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YG003	1 ¼" (31.2 mm)	Card	20	80	6.5	7.5	0.9	70

Angle Riveter

- W/40 Rivets



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
YR002B	6.6x17.2 mm, 6.3x25.2 mm, 5x17.2 mm, 5x15.8 mm	Blowcase	0	12	13	14.5	1.77	775

Camber Gauge

- Reads camber from +6° to -6°, accurate to better than 1/4°
- CNC machined billet aluminum
- Quick alignment checks
- Just hold it against the rim for easy, accurate readings
- No spindle adapter required
- Works on virtually any car and any wheel
- Three-leg design squares gauge to your wheel



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
MH100	14"-22"	Carton	0	1	4.5	5.5	2.2	3580

Hammer Lug Crimping Tool

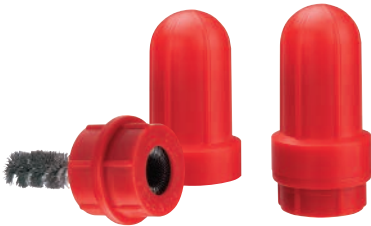
- Specially designed for fast and efficient crimping
- Durable spring-loaded mechanism holds the terminal/lug in place
- Delivers 1400-1800 lbs. of pull-out resistance (terminal to cable)



Item No.	Range	Package	Inner	Carton	N.W.	G.W.	Cuft	g
CT140	8 ga. to 4/0 AWG	Box	0	30	20	21	0.8	666

Cleaning Brush

- For cleaning nominal tube and fittings in preparation for soldering or brazing
- Steel brushes and polypropylene body for strength, durability
- Comfort grip
- Can also be used to clean battery terminals



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
BR514	1/2"	Bulk	50	200	12	13	1.5	56
BR516	3/4"	Bulk	50	200	12	13	1.5	56

Cleco Plier

- The plier is designed to grip and actuate all standard sizes of clecos, clekoloecs and side grip clamps
- Use this compression plier to install or remove the blind or side grip holders



Item No.	Package	Inner	Carton	N.W.	G.W.	Cuft	g
PH100	Bulk	25	100	25	26	0.8	240

Clamp Tensioner

- Straps for attaching to CV joint boots
- Integrated clamping and cutting device
- Suitable for prefabricated and endless band clamps up to 3/8"
- Including a ratchet wrench



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RS290A	3/8"	Box	0	60	23	24	1.5	360

Free End Band

- For RS290A



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
RS003	10"	Bulk	0	500	4.5	5.5	1.5	9
	19"	Bulk	0	650	8	9	1.4	12

Doweling Jig

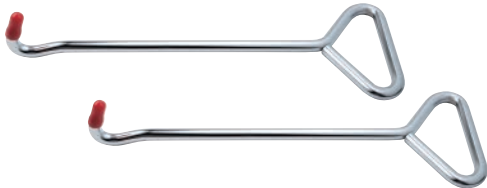
- For corner, T-butt, edge to edge joints



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
DQ120A	1/4", 5/16", 3/8"	Box	0	60	16.5	17.6	3	180
DQ120M	6, 8, 10 mm	Box	0	60	16.5	17.6	3	180

Manhole cover lifting hook

- 2pcs per set
- Chrome plating

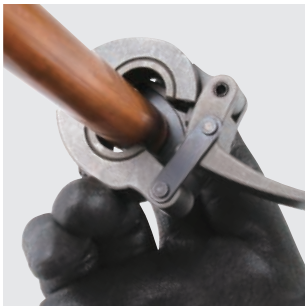


Item No.	Length	Package	Inner	Carton	N.W.	G.W.	Cuft	g
NW142A	313mm	Bulk	5	30	20	21	1	648



Rapid Flaring Tool Kit

- High efficiency
- Safety design
- Detachable handle
- Quick lock & release system
- Clutch mechanism
- Tube rapid positioning
- Including pen-type deburring tool DT300 for copper
- Including drill bit function
- Exclusive for Japan market, open for other regions



Tube Rapid Positioning



Quick Lock/Release System



Flare With a Drill



Clutch Mechanism



Use On-site

Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FT422A	1/4", 3/8", 1/2", 5/8", 3/4"	Blowcase	0	6	17.7	18.7	1.7	2890
FT422M	6, 10, 12, 16, 18 mm	Blowcase	0	6	17.7	18.7	1.7	2890

Cordless Electric Flaring Tool Kit

- 45° flare for R410A
- MCU-programmed brushless motor design
- LED lighting indicator display function
- Rechargeable lithium battery makes over 300 flares per charge
- Automatically return to the standby position after flare is completed, shorten operation time
- Complete circuit safety protection: circuit overheating, motor overloading, motor overtime, low battery voltage
- Battery power indicator
- Quick Lock & Release system
- One-button operation
- High Efficiency



Lithium Battery/Fast Charger



One-Hand Clamping



Fast & Simple Collet



Multi-angle Collet



Brushless Motor

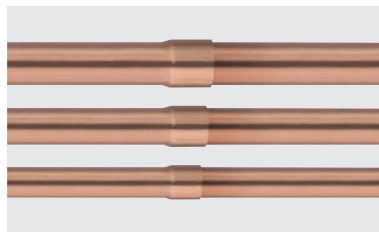
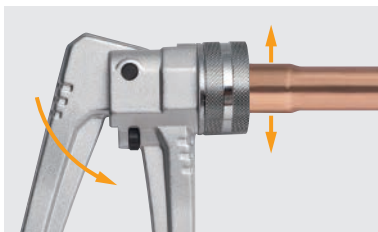
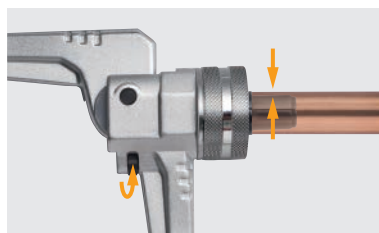
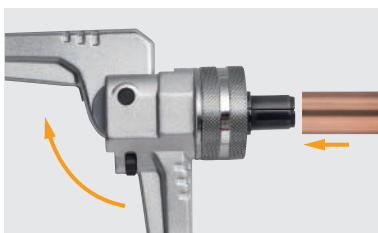
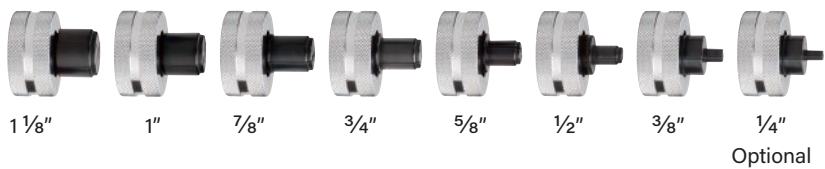


High-Brightness LED & Power Indicator

Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
EF101	1/4", 3/8", 1/2", 5/8", 3/4" Optional: 6mm, 8 mm, 10 mm, 12 mm, 16 mm, 18 mm	Blowcase	0	2	10.2	11.2	1.5	5060



Consists of 7 expander heads



Multi-size Expander Tool Kit

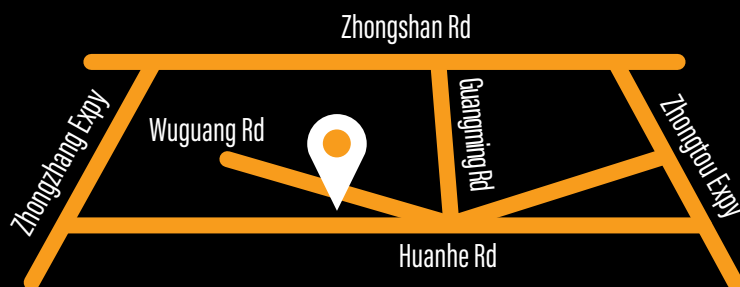
- Designed to expand tubing for fast, accurate joints in soft copper, aluminum and soft steel tube without using fittings
- Efficient, fitting-free installation of pipes in sanitary heating, gas, refrigeration and air-conditioning systems
- Quick and easy expander head change
- Optoinal tube cutter TC126A & deburrer DT200



Item No.	Capacity	Package	Inner	Carton	N.W.	G.W.	Cuft	g
FS401A	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8" Optional: 1/4"	Blowcase	0	5	18.5	19.5	1.9	3670
FS401M	10, 12, 14, 15, 16, 18, 22 mm Optional: 28, 32 mm	Blowcase	0	5	18.5	19.5	1.9	3670



Our Location





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