



# WORKSHOP GENERAL

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AIR/PNEUMATIC



**SPRAY CLEANING GUN**  
PNEUMATIC FLEXIBLE HEAD 1L



- Air operated cleaning gun for degreasing and cleaning parts
- Flexible head allows for deep cleaning in hard to reach areas and crevices
- Features handy hanging hook for storage
- Flexible delivery hose with adjustable spray pattern nozzle
- Simply connects to workshop air supply and is suitable for use with most automotive degreasers
- Ideal for detailing engine bays, cleaning transmission, differential and wheel hub components etc.
- Spares: Replacement flexible hose and nozzle (Part No. 305165A)



Part No.	Working Pressure	Air Inlet	Flexible Hose	Spares
<b>305165</b>	70 - 110 psi (5-8 bar)	1/4"	320mm	305165A



**SANDBLASTING GUN**  
PNEUMATIC ADJUSTABLE HEAD 1L



- Effective way of removing contaminants on hard surfaces such as rust, paint and lacquer and smooth or rough surfaces
- Suitable for automotive and industrial applications
- Supplied with adjustable steel nozzle to control output flow rate
- Manufactured from heavy duty polyurethane with steel head
- Suitable for use with walnut shells, aluminium oxide or any appropriate abrasive media

*Note: Toledo does not supply abrasive media*



Part No.	Working Pressure	Air Inlet	Nozzle Length
<b>305166</b>	87 - 145 psi (6-8bar)	1/4"	88mm



**AIR BLOW GUNS**  
TRIGGER STYLE

- Trade quality range provides maximum air output with minimal noise
- Ergonomic design for extended use without fatigue or discomfort for user
- Safety versions feature cut-outs in nozzle to eliminate danger if contact is made with user
- Adjustable air flow control (not 321103)
- All feature a 1/4" steel air inlet for heavy duty use
- Air flow: 1175L/M @ 150 psi



Part No.	Description	Nozzle (Length x Width)
<b>321100</b>	High flow safety	100 x 8mm
<b>321101</b>	High flow safety	355 x 8mm
<b>321102</b>	High flow	60 x 8mm
<b>321103</b>	High flow rubber tip	120 x 6 - 16mm

**BRAKE CALIPER PISTON WIND BACK MASTER KIT**  
PNEUMATIC

- Professional trade kit suitable for both right and left handed applications
- Pneumatic operation allows for easy wind back to return brake caliper piston to the resting position during removal, installation or service repairs of the disc brake pads
- Air operated ram applies pressure to the caliper position while the handle is rotated by hand
- Non-impact force with variable trigger for controlled speed
- Magnetic pad securely holds adaptors in place
- Easy to use – works on standard workshop air supply
- Suitable for use on both wind back and push back pistons
- Solid cast aluminium body and chrome alloy steel parts for maximum durability



Part No.	Working Pressure	Air Inlet	Adaptors
<b>310375</b>	115 psi	1/4"	15

Item Ref.	Application (F = Front, R = Rear)	Item Ref.	Application (F = Front, R = Rear)	Item Ref.	Application (F = Front, R = Rear)
0	<b>GM</b> most 2-1/2" diameter pistons	6	<b>Nissan Primera, Volkswagen Golf IV</b>	E	<b>Nissan Maxima, Ford</b>
2	<b>Citroen XM</b> – Xantia (F&R), Honda	7	<b>Audi 80, 90, V8 + 100, Coupe E (R), Subaru L + Z (R), Ford, Nissan Bluebird 1.8 Turbo, Silvia Turbo, Primera 2.0i LS/ GS/GSX (R), Peugeot, Toyota Celica, Corolla GT, MR2 (R), Renault, SAAB, Seat Volkswagen Golf Gti, Jetta Synchro, Jetta Gti 16v, Passat, Citroen, Fiat, Honda, Jaguar, Alfa Romeo</b>	F(G)	<b>Opel (R)</b>
3	<b>Audi (F), Fiat, Alfa Romeo (F), Ford Fiesta (F), Isuzu (F), Jaguar XJ6, XJ40 (F&amp;R), BMW 318is, 320i, 325TD, 518i, 525i &amp; 1x, 740i, 850ci, M5 (F), Mercedes Benz 190, 200, 300, 400, 500 series (F), Mitsubishi Colt (F), Toyota Camry (F), Volvo, Volkswagen Passat, Golf GTI (F)</b>	8	<b>GM</b> most 1-7/8" diameter pistons	K	<b>Ford Motors, Mini R68, Mazda 3</b>
4	<b>Ford Australia and NZ, Mazda (R), Saab 9000 (R), Toyota, Fiat, Alfa Romeo 164 2.0 (R), Honda Prelude, CRS 16i</b>	9	<b>GM</b> most 2-1/8" diameter pistons	M	<b>SAAB, Honda, Alfa Romeo, VAG</b>
5	3/8" adaptor	A(Z)	<b>Renault R21, Laguna (R)</b>	N	<b>Citroen</b>

**AIR GUN/POWER TOOL HOLDER**  
MAGNETIC

- Holds one tool and four sockets



Part No.	Magnets	Overall Length
<b>301187</b>	2 x Circular	370mm

**COOLING SYSTEM VACUUM PURGE & REFILL KIT**  
PNEUMATIC

- This kit eliminates the need for bleeding and purging system to remove air pockets and allows quick refill of coolant into the system
- Includes flexible hose for easier work with hard to reach connections
- Gauge features pressure release valve and shock proof protective rubber casing



Part No.	Working Pressure	Air Consumption	Air Inlet
<b>308552</b>	90 psi	12 CF/M	1/4" BSP

AIR/PNEUMATIC



**AIR PULSE PARTS CLEANER**  
PNEUMATIC LOCKABLE 20L

- Portable air pulse parts cleaner to attach to standard workshop airline
- Lockable lid with latches, side handgrips and a drain plug/stopper
- Air pulse agitates submerged part to loosen dirt and grime
- In-line valve fitted to control air flow
- Suitable for use with any water based degreasers
- Manufactured from high grade plastic to ensure maximum corrosion resistance and features extendable internal aluminium pallet

*Note: Not for use with strong acid or alkali*

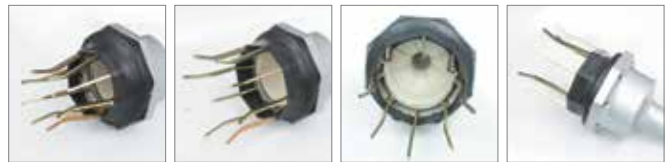
Part No.	Working Pressure	Air Inlet	Dimensions (External)
<b>305162</b>	90 - 115 psi/6 - 8 bar	1/4"	600 x 450 x 270mm



**CV BOOT INSTALLATION TOOL**  
PNEUMATIC

- Specialised tool designed to stretch the CV boot over the CV joint without the need to dismantle the CV shaft
- Durable and lightweight construction with an inbuilt airflow controller allows complete portability and ease of use

*Note: Not suitable for plastic type CV boots*

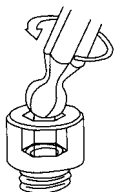


Part No.	CV Joint Diameter	Working Pressure	Air Inlet
<b>311018</b>	Ø25 - 110mm	72 - 113 psi (Max 125 psi)	1/4"

BITS & KEYS

**HEX KEY SETS**  
BALL POINT

- Double ended tools featuring one standard hex end and one ball hex end
- Ball end improves access to application and up to 25° working angle for increased speed and ease of entry
- Manufactured from heat treated vanadium steel with industrial black finish
- Supplied on handy storage clip



HKM



HKMAF

Part No.	Description	Fastener Type	Size x Length	Pieces
<b>HKM</b>	Hex key set - Metric		2.5 x 90mm, 3.0 x 100mm, 4.0 x 110mm, 5.0 x 115mm, 6.0 x 140mm, 8.0 x 160mm, 10.0 x 180mm	7
<b>HKAF</b>	Hex key set - Imperial		3/32" x 90mm, 1/8" x 100mm, 5/32" x 110mm, 3/16" x 115mm, 1/4" x 140mm, 5/16" 160mm, 3/8" x 180mm	7

**BIT SETS**

- Various compact bit sets covering a wide range of fastener types and sizes
- Supplied in various storage styles
- Bits are manufactured from hardened and tempered vanadium steel



Part No.	Description	Fastener Type	Contents & Sizes	Pieces	Part No.	Description	Fastener Type	Contents & Sizes	Pieces
301667	Torx bit set		<b>Torx bits (Hex 1/4"):</b> T10, T15, T20, T25, T27, T30, T40, T45, T50	11	301934	Multi-bit set		<b>Hex bits:</b> 4mm, 5mm, 6mm, 8mm, 10mm, 12mm	37
301668	Tamper-proof torx bit set		<b>Tamper-proof Torx bits (Hex 1/4"):</b> T10, T15, T20, T25, T27, T30, T40	8				<b>Spline bits:</b> M4, M5, M6, M7, M8, M9, M10, M11, M12	
301318	Tamper-proof 5 point torx bit set		<b>Tamper-proof Torx bits (Hex socket adaptor 1/4"):</b> T10, T15, T20, T25, T27, T30, T40, T45, T50	11				<b>Ribe bits:</b> M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14	
301168	Ribe bit set		<b>Torx bits:</b> T10, T15, T20, T25, T27, T30, T40, T45, T50, T55, T60, T70	21				<b>Bit holder:</b> 3/8" & 1/2" Sq. Dr. Bit extension (90mm)	
301096	Multi-bit set	    	<b>Pozidriv bits:</b> PZ0, PZ1, PZ2.2, PZ3 <b>Tamper-Proof Torx bits:</b> TX10, TX15, TX20, TX25, TX27, TX30, TX40 <b>Hex bits:</b> M1.5, M2, M2.5, M3, M4, M5, M5.5, M6 <b>Phillips bits:</b> PH0, PH1, PH2, PH3 <b>Slotted bits:</b> 3, 3.5, 4, 4.5, 5.5, 6.5mm <b>Bit holder:</b> 1/4" Hex extension magnetic (60mm)	33	301447	Multi-bit set		<b>Slotted bits:</b> 4mm x 7, 6mm x 7	100
								<b>Pozidriv bits:</b> PZ1 x 7, PZ2 x 7, PZ3 x 7	

**BITS & KEYS**



**SCREWDRIVER**  
RIGHT ANGLE DRILL ATTACHMENT

- Highest quality right angle drill attachment is compatible for use with both corded and cordless drills
- Angled 90° head provides easy access to tight and hard to reach applications
- Heavy duty aluminium construction with multi-positional stabilising handle which features an inbuilt storage compartment
- Made in Japan



Part No.	Fastener Type	Torque	Size
<b>321921</b>		49Nm	Phillips #1 & #2

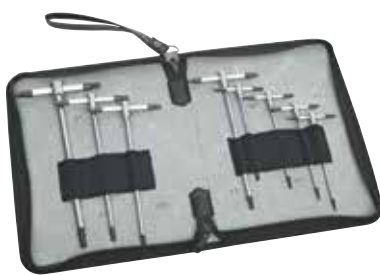


**SCREWDRIVER**  
STUBBY GEARLESS

- Unique gearless operation provides critically precise, accurate and acute adjustment
- Completely smooth and gearless operation
- Reversible operation with firm locking bit attachments and 1/4" square drive
- Made in Japan



Part No.	Fastener Type	Size
<b>321920</b>		Phillips #1, #2, #3
		Slotted 4.5, 6.0, 7.0mm



301987

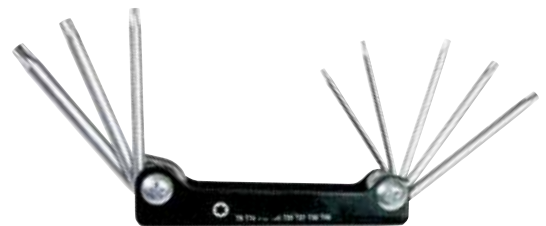


301988

**T-HANDLE SETS**  
HEX & TORX

- T-handle design with unique sliding T-bar and three key points
- Manufactured from high quality chrome vanadium steel
- Supplied in handy storage wallets with identification markings

Part No.	Description	Fastener Type	Size	Pieces
<b>301987</b>	T-handle key set - Hex		2.0, 2.5, 3.0, 3.5 x 125mm, 4.0, 4.5, 5.0 x 180mm, 6.0 x 210mm	8
<b>301988</b>	T-handle key set - Torx		T10, T15, T20 x 125mm, T25, T27, T30 x 180mm, T40 x 210mm	7



**TAMPER-PROOF TORX TOOL**

- For the removal and installation of six point screws, bolts and fittings
- Compact tool design with tamper proof (six point) fittings on each end for quick and easy operation
- Manufactured from heat treated chrome vanadium steel

Part No.	Fastener Type	Size
<b>301119</b>		T9, T10, T15, T20, T25, T27, T30, T40



321044



301938



301937

**EXTENSION BAR SETS**  
WOBBLE 15°

- Wobble extension bars enable up to 15° of movement/wobble at the male end
- Each bar features knurling for improved gripping and a spring loaded ball bearing to securely hold attachment
- Manufactured from drop forged chrome vanadium steel for maximum strength and longevity



Part No.	Square Drive	Lengths	Pieces
<b>321044</b>	1/4"	50, 75, 150, 250, 450mm	5
<b>301938</b>	3/8"	45, 75, 150, 250, 450mm	5
<b>301937</b>	1/2"	50, 125, 250, 500mm	4



**E-STAR SOCKET SET**  
7 PIECE

- Sockets for use on E-Star fasteners commonly used in modern automotive applications, particularly European vehicle makes
- Manufactured from drop forged chrome vanadium steel for maximum strength and longevity
- Supplied on reusable and mountable socket rail

Part No.	Square Drive	Fastener Type	Size	Pieces
<b>301666</b>	1/4"		E6, E7, E8	9
	3/8"		E10, E11, E12, E14, E16, E18, E20	



301065



301066

**THREAD FILES**  
INTERNAL & EXTERNAL

- For the restoration of damaged, worn and corroded threads
- Eight internal thread repairers (thread identifiers) and eight external thread files
- Manufactured from heat treated plated steel

Part No.	Thread Files	Pitch	Overall Length
<b>301065</b>	Metric	0.80, 1.00, 1.25, 1.50, 1.75, 2.00, 3.00 mm	230mm
<b>301066</b>	Imperial	10, 11, 12, 14, 16, 18, 20, 24 TPI	230mm



**BOLT PITCH GAUGE**  
METRIC

- Quickly and easily identify bolt size and pitch
- Features 18 different pitch and thread size range, including two imperial sizes
- Includes 5cm (2") rule on edges and flange diameter gauge
- Magnetic rear backing and hang hole ensures safe and easy storage
- Easy to read markings
- Manufactured from ABS plastic for strength and durability

Part No.	Thread	Size	Overall Size
<b>321108</b>	Metric	M10x1.5, M12x1.75, M12x1.5, M12x1.25, M13x1.25, M13x1.5, M14x1.25, M14x1.5, M15x1.5, M16x1.5, M17x1.5, M18x1.5, M20x1.5, M22x1.5, M24x1.5, M26x1.5	195 x 70mm
	Imperial	3/4"-16, 1/2"-20	

**THREAD RESTORING SETS**

- For the restoration of damaged, worn and corroded threads
- Available in variable set options including Metric/Imperial only and a master set

*Note: These tool kits are not suitable for use with hardened threads or for cutting new threads*



**THREAD FILE & PITCH GAUGE SET**  
METRIC & IMPERIAL 5 PIECE

Part No.	Thread Files	Size
<b>301068</b>	Metric	0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00 mm
	Imperial UNC	11, 12, 13, 14, 16, 18, 20, 24 TPI
	Imperial UNF	9, 10, 12, 16, 20, 27, 28, 32 TPI
	Pitch Gauges	Size
	Metric	0.40, 0.45, 0.50, 0.60, 0.70, 0.75, 0.80, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50, 5.00, 5.50, 6.00 mm
Imperial UNC/UNF	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 26, 27, 28, 32 TPI	

**THREAD FILE, TAP & DIE SET**  
METRIC 15 PIECE

Part No.	Thread Files	Size
<b>301450</b>	Metric	0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00
	Taps & Dies	Size
	Metric Tap	M6 x 1.00, M8 x 1.25, M10 x 1.25, M10 x 1.50, M12 x 1.25, M12 x 1.50, M12 x 1.75
	Metric Dies	M6 x 1.00, M8 x 1.25, M10 x 1.25, M10 x 1.50, M12 x 1.25, M12 x 1.50, M12 x 1.75

**THREAD FILE & DIE SET**  
IMPERIAL 18 PIECE

Part No.	Thread Files	Size
<b>301500</b>	Imperial UNC	11, 12, 13, 14, 16, 18, 20, 24 TPI
	Imperial UNF	9, 10, 12, 16, 20, 27, 28, 32 TPI
	Dies	Size
	Imperial UNC	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"
	Imperial UNF	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**THREAD FILE, TAP & DIE MASTER SET**  
METRIC & IMPERIAL 51 PIECE

Part No.	Taps & Dies	Size
<b>321010</b>	UNC Taps	1/4 x 20, 5/16 x 18, 3/8 x 16, 7/16 x 14, 1/2 x 13, 9/16 x 12
	UNC Dies	1/4 x 20, 5/16 x 18, 3/8 x 16, 7/16 x 14, 1/2 x 13, 9/16 x 12, 5/8 x 11
	UNF Taps	1/4 x 28, 5/16 x 24, 3/8 x 24, 7/16 x 20, 1/2 x 20, 9/16 x 18
	UNF Dies	1/4 x 28, 5/16 x 24, 3/8 x 24, 7/16 x 20, 1/2 x 20, 9/16 x 18, 5/8 x 18
	Metric Taps	M6 x 1.00, M8 x 1.25, M8 x 1.50, M10 x 1.00, M10 x 1.25, M10 x 1.50, M11 x 1.50, M12 x 1.25, M12 x 1.50, M12 x 1.75, M14 x 1.50
	Metric Dies	M6 x 1.00, M8 x 1.25, M8 x 1.50, M10 x 1.00, M10 x 1.25, M10 x 1.50, M11 x 1.50, M12 x 1.25, M12 x 1.50, M12 x 1.75, M14 x 1.50
	Thread Restoring Files	Size
	No. 1 Metric	0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00mm
	No. 2 Imperial UNC	11, 12, 13, 14, 16, 18, 20, 24 TPI
	No. 12 Imperial UNF	8, 9, 10, 11½, 20, 27, 28, 32 TPI





**THREAD RESTORING SETS**

TAP & DIE RATCHET HANDLE

- For the restoration of damaged, worn and corroded threads
- Includes pitch gauge, taps, dies, tap holder, die holder and ratcheting handle
- Supplied in custom moulded plastic hard case with clip-lock



321048



321049



321050

Part No.	Description	Thread Pitch Gauge	Size	Pieces
<b>321048</b>	Metric set	0.5 - 1.75mm	Metric: M3 x 0.5, M3 x 0.6, M4 x 0.7, M4 x 0.75, M5 x 0.8, M5 x 0.9, M6 x 1.0, M7 x 1.0, M8 x 1.25, M9 x 1.0, M9 x 1.25, M10 x 1.25, M10 x 1.5, M11 x 1.5, M12 x 1.5, M12 x 1.75 BSP: 1/8" x 28 UNC: 4 x 40, 6 x 32, 8 x 32, 10 x 24, 12 x 24, 1/4 x 20, 5/16	40
<b>321049</b>	Imperial set	12 - 40TPI	UNC: 4 x 40, 6 x 32, 8 x 32, 10 x 24, 12 x 24, 1/4 x 20, 5/16 x 18, 3/8 x 16, 7/16 x 14, 1/2 x 13 UNF: 10 x 32, 1/4 x 28, 5/16 x 24, 3/8 x 24, 7/16 x 20, 1/2 x 20 NPT: 1/8" X 27	40
<b>321050</b>	Metric & Imperial set	0.5 - 1.75mm & 12 - 40TPI	Metric: M3 x 0.5, M3 x 0.6, M4 x 0.7, M4 x 0.75, M5 x 0.8, M5 x 0.9, M6 x 1.0, M7 x 1.0, M8 x 1.25, M9 x 1.0, M9 x 1.25, M10 x 1.25, M10 x 1.5, M11 x 1.5, M12 x 1.5, M12 x 1.75 BSP: 1/8" x 28 UNC: 4 x 40, 6 x 32, 8 x 32, 10 x 24, 12 x 24, 1/4 x 20, 5/16 x 18, 3/8 x 16, 7/16 x 14, 1/2 x 13 UNF: 10 x 32, 1/4 x 28, 5/16 x 24, 3/8 x 24, 7/16 x 20, 1/2 x 20 NPT: 1/8" X 27	75

**TAP & DIE RATCHET HANDLE SET**

HIGH SPEED STEEL (HSS)

- Manufactured from a high performance special steel which improves hardness and wear resistance
- This HSS kit is superior to standard high carbon steel kits and is designed for extra heavy duty enduring use



Part No.	Description	Thread Pitch Gauge	Size	Pieces
<b>321075</b>	Metric set - high speed steel	0.5 - 1.75mm	M3 X 0.5, M4 X 0.7, M5 X 0.8, M6 X 1.0, M8 X 1.25, M10 X 1.5, M12 X 1.75	20

**BOLT & THREAD**

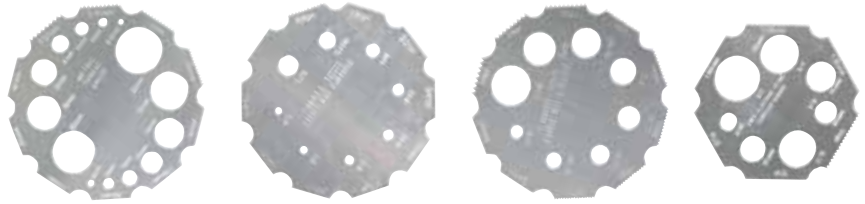


**THREAD PITCH GAUGE SET**  
METRIC & IMPERIAL 2 PIECE

- Designed to easily identify thread pitch sizes including Metric and Imperial
- Twelve pitch blades per tool
- Manufactured from stainless steel for superior strength and durability
- Two piece set



Part No.	Thread	Pitch
<b>301067</b>	Metric	0.50, 0.60, 0.70, 0.75, 0.80, 0.90, 1.00, 1.25, 1.50, 1.75 mm
	Imperial	12, 13, 14, 16, 18, 20, 24, 27, 28, 32, 36, 40 TPI



**THREAD GAUGE SET**  
METRIC & IMPERIAL 4 PIECE

- For quick and easy identification of thread diameter and pitch sizes including Metric, SAE, UNF, UNC and BSP styles
- Holes in gauges allow easy identification of component sizes
- Ideal for identifying bolts, fittings, pipe and spark plug sizes
- Manufactured from soft aluminium alloy

Part No.	Thread	Size	Pitch
<b>301064</b>	Metric	2.5, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 20, 22mm	0.45, 0.50, 0.70, 0.80, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50mm
	Imperial UNC	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"	10, 11, 12, 13, 14, 16, 18, 20, 24, 28 TPI
	Imperial UNF	#5, #6, #8, #10, #12, 1/4", 5/16", 3/8"	16, 18, 20, 24, 28, 32, 36, 40, 44 TPI
	Pipe Thread NPT	1/16", 1/8", 1/4", 3/8", 1/2"	1.00, 1.50, 14, 18, 20, 27 TPI
	Spark Plug	10, 12, 14, 18mm	



**THREAD CHASER SET**  
EXTERNAL

- Universal outside thread chaser specifically designed with precision dies to restore and repair damaged threads
- Six interchangeable precision dies to suit a wide selection of modern vehicle fastener threads and studs
- Use prior to disassembly can prevent long equipment down times and costly thread or stud repairs
- Working Capacity: 31 - 127mm (1 1/4" - 5") O.D.

Part No.	Thread	Pitch
<b>301152</b>	Metric	1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00 & 4.00 mm
	Imperial	4, 5, 6, 7, 7.5, 8, 9, 10, 11, 11.5, 12, 14, 16, 18, 20 & 24 TPI



301750



301285



301076

**NUT SPLITTERS**

- Designed for the removal of rusted, seized or stubborn nuts safely and without damage to the stud or bolt
- Flat round head design to allow operation in areas where working space is limited
- Hydraulic option includes the quality Toledo 10 tonne ram
- Manufactured from drop forged vanadium steel for superior strength and durability under impact
- Spares: Ram repair kit - Includes seals (small & large), hydraulic oil and installation guide (Part No. 265001)

Part No.	Description	Size Range	Forcing Screw/Ram	Spares
<b>301076</b>	Mechanical nut splitter set 2 Pc.	3 - 16 & 10 - 25mm	14, 19mm	-
<b>301285</b>	Mechanical nut splitter set 4 Pc.	9 - 12, 12 - 16, 16 - 22, 22 - 27mm	12, 14, 19, 21mm	-
<b>301750</b>	Hydraulic nut splitter set 10 Tonne	10 - 48mm	10 Tonne ram	265001



301550



301600

### STUD REMOVER SETS

- Quickly and easily remove studs without excessive force
- Suitable for removing or setting head studs, exhaust manifold studs and broken bolt head studs etc
- Popular sizes to accommodate a wide range of automotive applications
- Unique concentric roller bearing design prevents damage to thread when in use
- Pass through design enables use on longer studs
- Manufactured from high quality chrome vanadium steel for superior strength and durability



Part No.	Description	Size	Square Drive	Overall Length	Pieces
<b>301550</b>	Stud remover set - Imperial	3/16", 1/4", 5/16", 3/8", 7/16", 1/2"	3/8" & 1/2"	230mm	6
<b>301600</b>	Stud remover set - Metric	5, 6, 7, 8, 10, 12, 14mm	3/8" & 1/2"	230mm	7



### STUD SETTER & EXTRACTOR

- Compact and versatile stud extractor ideal for removing broken or seized studs
- Eccentric rotating operation designed for maximum force with little effort



Part No.	Size Range	Square Drive
<b>301910</b>	6 - 19mm	1/2"

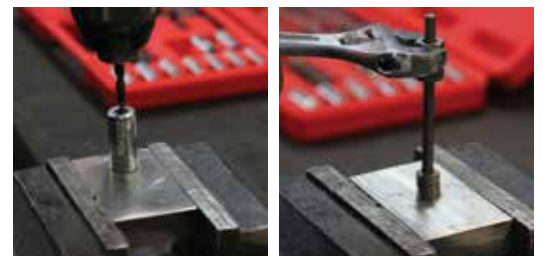
### SCREW EXTRACTOR DRILL & GUIDE SET

25 PIECE

- Comprehensive extractor kit designed for the removal of stubborn broken studs and screws using a drill
- Removes studs with the highest allowable torque without expansion, breaking or jamming
- Fluted extractors provide a solid grip on broken studs or screws
- Ideal kit for automotive, building, engineering, plumbing and electrical trades

Part No.	Size Range	Pieces
<b>301534</b>	3/16" to 9/16" (4 - 14mm)	25

Ref.	Description	Size	Ref.	Description	Size
G1	Drill guide	9/32" (7.14mm)	N4	Extractor nut	5/16" (7.92mm)
G2	Drill guide	5/16" (7.94mm)	N5	Extractor nut	11/32" (8.73mm)
G3	Drill guide	11/32" (8.73mm)	1	Extractor Piece	1/4" (6.35mm)
G4	Drill guide	3/8" (9.35mm)	2	Extractor Piece	1/8" (3.175mm)
G5	Drill guide	13/32" (10.32mm)	3	Extractor Piece	11/32" (8.73mm)
G6	Drill guide	7/16" (11.11mm)	4	Extractor Piece	3/16" (4.76mm)
G7	Drill guide	15/32" (11.91mm)	5	Extractor Piece	5/16" (7.92mm)
G8	Drill guide	1/2" (12.70mm)	-	Drill Bit	1/8" (3.175mm)
G9	Drill guide	17/32" (13.49mm)	-	Drill Bit	3/16" (4.76mm)
G10	Drill guide	9/16" (14.29mm)	-	Drill Bit	1/4" (6.35mm)
N1	Extractor nut	1/8" (3.175mm)	-	Drill Bit	5/16" (7.92mm)
N2	Extractor nut	3/16" (4.76mm)	-	Drill Bit	11/32" (8.73mm)
N3	Extractor nut	1/4" (6.35mm)			





321067



301521



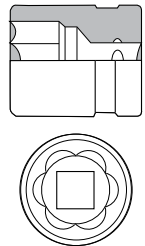
301544



301585

**TWIST SOCKET SETS**

- Twist sockets remove damaged or seized nuts, bolts, studs and nipples easily and efficiently
- Eliminates the need for chisels, hammers or pliers to remove stubborn and seized components
- Single twist sets: Single twist socket at one end and single hex at the other to maximise versatility
- Double twist sets: Single twist socket at one end and double twist socket for added grip and a larger bite at the other
- Manufactured for impact use and constructed from a tough, heat treated ductile alloy steel for superior strength and durability



Part No.	Description	Contents	Pieces
<b>301544</b>	Single twist socket set	Sockets: 17, 19, 21mm & 1/2" Sq. Dr. bit holder	4
<b>301521</b>	Single twist socket set	Sockets: 8, 10, 12, 13, 14, 15, 16, 17, 19, 21mm, Drift punch small 8mm, Drift punch large 8 - 12mm	12
<b>321067</b>	Single twist socket master set	Sockets 1/2" Sq. Dr./21mm Hex: 6 - 22, 24, 27mm, Drift punches 4.4 x 70mm & 5.9 x 80mm	21
<b>301585</b>	Double twist socket set	Sockets: 17, 19, 21mm & 1/2" Sq. Dr. bit holder	4

**DOWEL PIN REMOVER KIT**

METRIC 7 PIECE

- Remove worn or damaged dowels and alignment pins quickly and efficiently with this comprehensive collet kit
- Ideal for automotive applications such as engine blocks and cylinder heads, crankshafts and camshafts
- Hardened chrome vanadium steel slide hammer and six collets with sizes suited to modern passenger and light commercial vehicles
- Supplied in custom moulded plastic hard case
- *Spare: Replacement collets available*



Part No.	Description
<b>301719</b>	Dowell pin remover kit
	Contents
	Description
-	Slide hammer assembly (720g)
-	Collet socket
301722	Collet 6mm
301723	Collet 8mm
301724	Collet 10mm
301725	Collet 12mm
301726	Collet 14mm
301727	Collet 16mm





T404030



T404000

### CHUCK KEYS

- High quality, precision chuck keys built to last
- Manufactured from chrome molybdenum for superior strength & durability
- Comprehensive range to cover almost all applications in Australia & New Zealand
- Range includes 6 specialty sized keys and one universal multi size unit with ratcheting function

Part No.	Description	Chuck Size	Pilot Size
<b>T404003</b>	Key No. 3	16mm	7.9mm
<b>T404010</b>	Key No. 10	10mm	6.0mm
<b>T404030</b>	Key No. 30	13mm	5.9mm
<b>T404034</b>	Key No. 34	10/13mm	6.0mm
<b>T404036</b>	Key No. 36	10mm	5.9mm
<b>T404038</b>	Key No. 38	13mm	6.3mm
<b>T404000</b>	Ratcheting chunk key 4 in 1 - Master	6mm (1/4"), 10mm (3/8"), 13mm (1/2")	-



### SCREW EXTRACTOR SET

6 PIECE

- For removal of broken screws, bolts or studs
- Utilises left hand thread design to lock and remove broken component
- Ideal for automotive, industrial and hardware applications
- Manufactured from heat treated high grade steel for superior strength and durability
- Six piece set suitable for use on screw or bolts from 3 - 25mm

Part No.	Size Range	Pieces
<b>301075</b>	M3 (1/8") - M6 (1/4")	6
	M6 (1/4") - M8 (5/16")	
	M8 (5/16") - M11 (7/16")	
	M11 (7/16") - M14 (9/16")	
	M14 (9/16") - M18 (3/4")	
	M18 (3/4") - M25 (1")	

## CLAMPING & FASTENING

### ANCHOR BOLT TOOL

HOLLOW WALL

- Specialty tool used for setting anchor bolts
- Correctly activates wall bolt into position by flush mounting into position and locking rear on back of wall
- Suitable for use with Tridon anchor bolts Part No. TWB01



TWB01 (200Pc)



321000



Part No.	Description	Suits
<b>321000</b>	Anchor bolt tool	M4, M5, M6
<b>TWB01</b>	Tridon anchor bolts 200/Pcs	-



**PUNCH TOOL**  
PREFORM BAND CLAMP



- Safely and quickly installs preform style clamp
- Tool has tension, punch and cut off function
- Spares: Replacement punch (Part No. 321002A)

Part No.	Sizes	Overall Length	Spares
<b>321002</b>	15, 16mm	300mm	321002A



301104



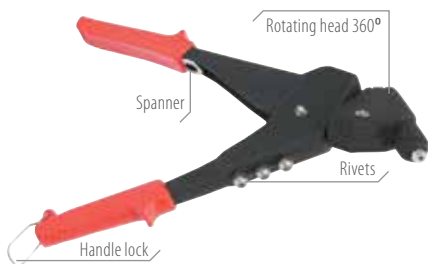
CT1

**BANDING TOOLS**  
WITH CUTTER

- Crank handle with inbuilt cutting assembly to enable band style clamps to be tightened and cut-in during installation

*Note: CT1 will not crimp the clamp or band. Crimping is achieved by using Tridon Uniband Buckles available in 3 types (UBL, UBF and UBS part numbers)*

Part No.	Application	Capacity	Overall Length
<b>301104</b>	Band style clamps on CV boots	10mm (3/8")	230mm
<b>CT1</b>	Tridon uniband (UB) clamps & strapping	25mm (1")	420mm



**HAND RIVET TOOL**

- Spring loaded handle and rotating head to suit variable applications and maximise ease of use
- Interchangeable heads for each rivet size, with spanner included
- Powder coated main body with ergonomic plastic handles and locking latch

Part No.	Rivet Sizes	Overall Length
<b>301809</b>	2.4, 3.2, 4.0, 4.8mm	280mm



**HOSE CLAMP NUT DRIVERS**

- Designed for the trouble free installation and removal of most modern hose clamps
- Flexible shaft to allow access to hard to reach hose clamps
- Ergonomic handle for comfort and superior grip
- Includes socket attachments: 6, 7 and 8mm
- Suitable for use on all Tridon worm drive hose clamps

Part No.	Overall Length
<b>CND-1</b>	150mm
<b>CND-2</b>	300mm
<b>CND-3</b>	600mm
<b>CND-4</b>	900mm





**CABLE TIE CUTTERS**  
PLASTIC & METAL

- Automatic tensioning and cut-off of cable ties to produce a safe, neat and professional finish
- Two options to cater for both plastic/nylon and metal cable ties



Part No.	Description	Cutting Capacity (Width x Thickness)	Overall Length x Width
<b>CTC2065</b>	Cable tie cutter - Metal (including S/S)	12 x 0.3mm	220 x 100mm
<b>302500</b>	Cable tie cutter - Plastic	5 x 2mm	160 x 20mm



**SPRING CLAMPS**

- Flexible jaw spring clamps manufactured from high strength plastic
- Lightweight, holds object without force concentration
- Designed to grip flat or odd shaped surfaces
- Ergonomic handles for comfort and ease of operation

Part No.	Description	Jaw Opening (Max)
<b>301657</b>	Spring clamp single	25mm
<b>301659</b>	Spring clamp single	50mm
<b>301660</b>	Spring clamp single	75mm
<b>301656</b>	Spring clamp set 10pc	4 x 25mm, 4 x 50mm, 2 x 75mm



**BENCH VICES**  
STRAIGHT

- Robust bench vices designed and built for the professional workshop
- Manufactured from high quality grey iron castings with high compression strength along with excellent shock absorbing capabilities
- High quality precision machining delivers smooth operation and trouble free service life
- Fully enclosed spindle construction protects the threads from contaminants and damage
- Hardened jaws (45 +/- 5 HRC)
- Spares: Replacement pair of jaws available

Part No.	Jaw Width	Jaw Opening (Max)	Weight	Spare Jaw Set (2 Pc.)
<b>301862</b>	100mm	125mm	9.2kg	301865A
<b>301863</b>	150mm	175mm	21.4kg	301866A
<b>301864</b>	200mm	200mm	32.0kg	301867A



**BENCH VICES**  
OFFSET

- Robust bench vices designed and built for the professional workshop
- High quality steel construction to withstand shocks from hammering, chipping and heavy duty applications
- Integrated anvil for shaping and beating, along with an extra heavy duty sliding jaw with large diameter
- Forged tommy bar and main screw to assist with effective pressure transmission
- Spares: Replacement pair of jaws available

Part No.	Jaw Width	Jaw Opening (Max)	Weight	Spare Jaw Set (2 Pc.)
<b>301868</b>	100mm	120mm	7.5kg	301868A
<b>301869</b>	150mm	150mm	21.0kg	301869A
<b>301870</b>	200mm	200mm	43.0kg	301870A

CLAMPING & FASTENING



**SUCTION PAD CLAMP SET**  
PLASTIC 6 PIECE

- Ideal for holding down trims, badges, windcreens, rain and light sensors on windcreens etc. during repair or whilst waiting for adhesives to set
- Adjustable suction clamps will not mark after being removed
- Manufactured from durable plastic with octagonal rubber suction pads
- Suitable on most non-porous surfaces such as metal or glass



Part No.	Pad Size (Octagonal)	Pieces
<b>321106</b>	80mm (flat to flat)	6



**G-CLAMPS**

- Suitable for metal work and woodwork applications
- Powder coated body and precision cut, black phosphate finished spindle screw for maximum durability and corrosion resistance
- Broad swivel pad allows for even distribution of pressure on angled or uneven surfaces
- Ideal for metal and wood work, industrial and construction applications
- Made from high grade ductile 60,000 psi S.G. iron castings

Part No.	Throat Opening (Max)	Throat Depth (Max)	Part No.	Throat Opening (Max)	Throat Depth (Max)
<b>301876</b>	75mm	44mm	<b>301873</b>	200mm	80mm
<b>301871</b>	100mm	59mm	<b>301874</b>	250mm	90mm
<b>301872</b>	150mm	75mm	<b>301875</b>	300mm	100mm



**PANEL/SLAB CARRYING SET**  
PAIR

- Trade professional set ideal for carrying glass and windcreens
- Ergonomic handles with large rubber pads firmly secure glass
- Light weight and robust aluminium construction
- Also suitable for carrying stone slabs, counter tops and other sheet goods
- Supplied in heavy duty carry case

Part No.	Jaw Opening (Max)	Capacity	Pad Size (W x H)
<b>321107</b>	40mm	160kg	80 x 200mm







301001

301002



301073

301074



301003

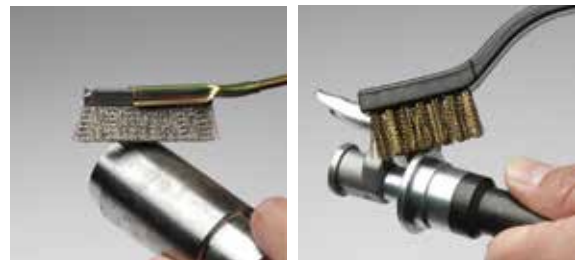
### CLEANING BRUSH SETS

2 PIECE

- Sturdy, compact and simple tools for small cleaning jobs, particularly in hard to reach places and confined spaces
- Suitable for rust, scale, ingrained dirt removal
- Each set comes with one curved and one straight brush



Part No.	Description	Pieces
<b>301001</b>	Steel bristles - Curved x 1 (220mm) Straight x 1 (210mm)	2
<b>301002</b>	Nylon bristles - Curved x 1 (220mm) Straight x 1 (210mm)	2
<b>301073</b>	Brass bristles - Curved x 1 (220mm) Straight x 1 (210mm)	2
<b>301074</b>	Stainless Steel bristles - Curved x 1 (220mm) Straight x 1 (210mm)	2
<b>301003</b>	Cleaning brush set - nylon, brass, steel	3



### WIRE BRUSH

WOODEN HANDLE

- Heavy duty steel bristles suitable for removing rust, corrosion, scale and ingrained dirt
- Bristles are hardened and tempered for strength and durability
- Oil resistant ergonomic wooden handle prevents slippage when in use
- Suitable for automotive and industrial applications



Part No.	Configuration	Overall Length
<b>321077</b>	5 x 14 row	235mm



### CLEANING BRUSH

ALLOY WHEEL

- Non-scratching soft bristles specifically designed for cleaning alloy wheels
- Bends in order to access hard to reach, awkward and small crevices



Part No.	Handle	Overall Length
<b>301909</b>	Plastic	240mm



### CLEANING BRUSH

PARTS

- Strong and durable brush with plastic handle and heavy duty flexible bristles
- Ideal for cleaning engine and transmission spares, brake parts and bearings
- Built in easy hanging hole



Part No.	Bristles/Head Diameter	Overall Length
<b>301004</b>	Ø 25mm	260mm



**PNEUMATIC SPRAY CLEANING GUN**  
FLEXIBLE HEAD 1L

- Air operated cleaning gun for degreasing and cleaning parts
- Flexible head allows for deep cleaning in hard to reach areas and crevices
- Flexible delivery hose with adjustable spray pattern nozzle
- Features built-in handy hanging hook for easy storage
- Connection to workshop air supply and is suitable for use with most automotive degreasers
- Ideal for detailing engine bays, cleaning transmission, differential and wheel hub components etc.
- Spares: Replacement flexible hose and nozzle (Part No. 305165A)



Part No.	Working Pressure	Air Inlet	Spares
<b>305165</b>	70 - 110 psi	1/4"	305165A



305153

305154

**PRESSURE SPRAY BOTTLES**  
VITON SEALS

- Ideal for most workshop liquids and solvents such as brake cleaner, degreaser, tyre shine, detergents, acids and specialised lubricants
- Easy to fill with bulk liquids which saves money on spray cans and one off use bottles
- Durable plastic polyethylene bottle with moulded-in measuring scale
- Heavy duty chemical resistant Viton\* seals and carbon fibre components and handle
- Easy to use pump action mechanism with top mounted thumb trigger
- Environmentally safe way of disbursing liquids in a safe and controlled manner
- Nozzle can be adjusted from a fine spray to a direct jet
- Spares: Replacement seal kit (Part No. 305153A)



Part No.	Description	Working Pressure	Spares
<b>305153</b>	Spray bottle 1L	50 - 70 psi	305153A
<b>305154</b>	Spray bottle 2L	50 - 70 psi	305153A

\*Viton is a registered trademark of DuPont Performance Elastomers L.L.C..

INSPECTION & PICK-UP

**STETHOSCOPES**

- Specialty sonic diagnostic units used to locate noises within machinery, engines, compressors, transmissions, drive trains etc.
- 301009: Aluminium probe with extension piece and plastic noise cancelling ear phones
- 301637: Electronic 9V battery operated (included), headset, adjustable microphone with volume control and flexible probe



301009



301637



301637



Part No.	Description	Probe Length	Cord Length
<b>301009</b>	Stethoscope standard	90mm (210mm extension)	-
<b>301637</b>	Stethoscope digital	200mm	700mm

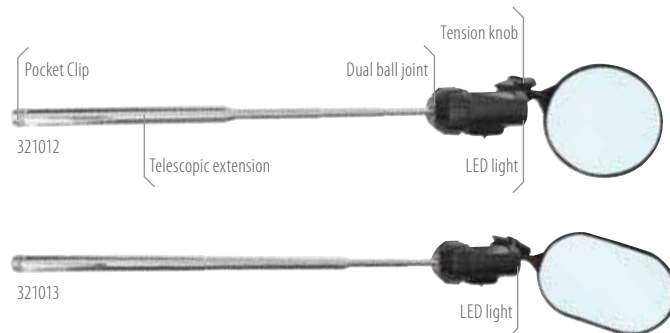


**THERMOMETER**  
DIGITAL INFRARED

- Portable and easy to use infrared thermometer for point and shoot temperature taking
- Laser sighting for simple one hand operation, backlit LCD display, auto-hold function and auto power off
- Supplied with protective pouch, laser end cap and 9 volt battery included
- Ideal for automotive, engineering and industrial etc.



Part No.	Specifications			
<b>321500</b>	Display	LCD	Weight	157g
	Auto power off	10 seconds	Laser	<1mW, Class 2 laser
	Battery	9v (NEDA 1604, IEC 6F22006p)	Range	-30°C to 550°C
	Battery life	9 hours (continuous use)	Accuracy	±2°C on -30°C to 100°C, ±2% on -101°C to 550°C
	Dimensions	148H x 105W x 42D (mm)		



**INSPECTION MIRRORS W/LIGHTS**  
LED

- Specially designed to enable maximum manoeuvrability with adjustable ball joint for variable tension and stiffness
- Long life LED bulbs and stainless steel components
- Telescopic extension with in-built pocket clip
- Premium options made in Japan
- Batteries included (3 x LR44 batteries)
- Made in Japan

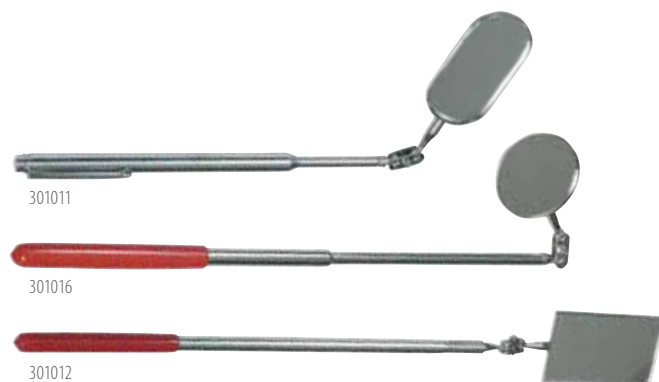
Part No.	Mirror Shape	Telescopic Range	Mirror Dimension	Handle
<b>321012</b>	Circle	100 - 530mm	Ø 60mm	Steel
<b>321013</b>	Oval	100 - 530mm	80 x 50mm	PVC Dipped



**INSPECTION & PICK-UP MASTER KIT**  
CIRCLE MIRROR, MULTI-BULB LED, PICK UP TOOL

- Advanced inspection and pick-up kit for the professional workshop
- Innovative replaceable bulbs including one each of Blue, White and UV
- Magnetic pick up capability in head and base
- Robust and firm adjusting flexible cord with rubber moulding for extra strength and durability
- Spares: Replacement bulb set 3 Pc. (Part No. 301399A)

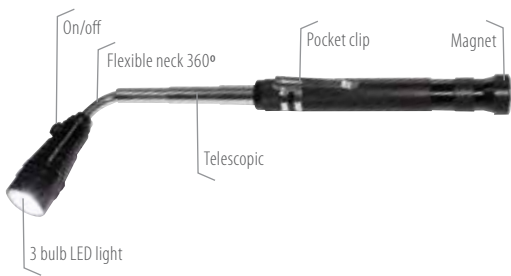
Part No.	Mirror Diameter	Magnet Capacity	Spares
<b>301399</b>	Ø 38mm	0.5 & 1.5Kg	301399A



**INSPECTION MIRRORS**

- Professional range of inspection tools for visual access to otherwise inaccessible areas
- All feature a universal swivel joint head to enable complete 360° rotation and viewing

Part No.	Mirror Shape	Mirror Dimension	Telescopic Range	Handle
<b>301011</b>	Oval	25 x 50mm	200 - 520mm	Steel
<b>301012</b>	Square	50 x 88mm	215 - 490mm	PVC Dipped
<b>301016</b>	Circle	Ø 50mm	200 - 355mm	PVC Dipped



**INSPECTION LIGHT**  
TELESCOPIC W/MAGNET

- Durable and reliable LED flash light with telescopic extension and 360° flex head
- Magnetic body and head with pick-up capability of 1kg each
- Pocket size for easy transportation and ease of use
- Durable aluminium casing with pocket clip
- Batteries included (4 x LT44 batteries)

Part No.	Telescopic Range	Magnet Capacity
<b>321033</b>	170 - 550mm	1kg



**PICK-UP TOOL**  
FLEXIBLE SHAFT MAGNETIC

- Long and narrow flexible shaft/cord style pick up tool is essential for accessing confined and difficult to reach areas
- Stainless steel probe with ergonomic handle

Part No.	Shaft/Cord Diameter x Length	Magnet Capacity	Overall Length
<b>301017</b>	Ø 6.5 x 405mm	500g	510mm



**PICK-UP TOOLS**  
TELESCOPIC MAGNETIC

- Varying styles of pick-up tools with pocket clip and telescopic extension
- Strong magnetic force enables firm retrieval and pick-up of ferrous material
- All are manufactured from stainless steel



Part No.	Description	Handle	Telescopic Range	Magnet Diameter	Magnet Capacity
<b>301014</b>	Pick up tool w/scriber	Stainless steel	150 - 670mm	Ø 6mm	200g
<b>301019</b>	Pick up tool	PVC dipped	125 - 640mm	Ø 13mm	2.5kg
<b>301298</b>	Pick up tool	Rubber moulded	170 - 760mm	Ø 7mm	700g
<b>301299</b>	Pick up tool	Rubber moulded	170 - 760mm	Ø 13mm	3.6kg



**PICK-UP TOOL**  
CLAW TYPE

- Flexible shaft with spring loaded extendable retrieval claw function
- Pressing the button downward extends the spring loaded claw, as the button returns to rest position the claw closes and secures object

Part No.	Diameter (Probe Head)	Claw Opening (Max)	Magnet Capacity	Overall Length
<b>301697</b>	7 x 15mm	25mm	1kg	700mm



**PICK-UP TOOL**  
TELESCOPIC BROOM STYLE

- Designed as a heavy duty option for retrieving ferrous material from workshop floors and surrounding areas
- Broom style with telescopic handle is simple, efficient and easy to use
- Quick release function and in-built wheels to provide an easy way of manoeuvring the unit around the workshop or factory floor

Part No.	Telescopic Range	Head Width	Magnet Capacity	Overall Length
<b>301189</b>	650 - 960mm	385mm	9Kg	700mm





**MALLETS**  
RUBBER

- Ideal for applications that require soft blows
- Will not damage the work piece on impact
- Black natural rubber head provides enough force without causing damage

Part No.	Weight	Face Diameter	Overall Length
<b>321090</b>	16Oz/0.45kg	Ø 62mm	310mm
<b>321091</b>	24Oz/0.68kg	Ø 70mm	310mm

**HAMMERS**  
DEAD BLOW

- Hollowed cylindrical heads containing steel pellets to achieve a dead blow during striking
- Manufactured from oil resistant Styrene-Butadiene Rubber (SBR) with a moulded rubber handle for superior comfort and grip
- Shock-less, non-bouncing, non-marring, non-sparking



Part No.	Weight	Face Diameter	Head Length	Overall Length
<b>301079</b>	14 oz/0.4kg	Ø 35mm	90mm	280mm
<b>301080</b>	20 oz/0.6kg	Ø 45mm	90mm	300mm
<b>301081</b>	37 oz/1.0kg	Ø 55mm	110mm	350mm
<b>301082</b>	54 oz/1.5kg	Ø 65mm	130mm	375mm

**HAMMER**  
SOFT FACE

- Ideal for fine bodywork adjustment or striking finely finished surfaces without causing damage
- Replaceable impact nylon and poly tips ensure damage free striking without the risk of chipping
- Made from durable zinc alloy steel with soft comfortable rubber grips
- Non-sparking and non-marring
- Spares: Replacement tip set 1 x Nylon & 1 x Poly (Part No. 321303A)

Part No.	Face Diameter	Overall Length	Spares
<b>321303</b>	Ø 35mm	300mm	321303A



**HAMMERS**

- Core range of premium essential hammers designed for the trade professional and commercial environment
- Made extra heavy duty to ensure maximum strength, durability and service life
- Ergonomically designed to ensure maximum comfort and grip
- Unique carbon fibre handles are lighter, more comfortable and result in 25% greater force concentration
- Fibreglass handles for the claw and sledge hammers are extra strong to cater for their rigorous applications

Part No.	Description	Handle	Weight	Overall Length
<b>321051</b>	Ball peen hammer - Alloy steel	Carbon fibre	16 oz/0.45 Kg	330mm
<b>321052</b>	Ball peen hammer - Alloy steel	Carbon fibre	24 oz/0.68 Kg	375mm
<b>321053</b>	Ball peen hammer - Alloy steel	Carbon fibre	32 oz/0.91 Kg	380mm
<b>321054</b>	Ball peen hammer - Alloy steel	Genuine hickory	16 oz/0.45 Kg	345mm
<b>321055</b>	Curved claw hammer - Alloy steel	Carbon fibre	20 oz/0.57 Kg	330mm
<b>321056</b>	Club hammer - Carbon steel	Fibreglass & rubber	3 Lb/1.36 Kg	265mm
<b>321057</b>	Sledge hammer - Carbon steel	Fibreglass & rubber	10 Lb/4.56 Kg	910mm

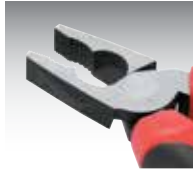


PLIERS



COMBINATION PLIERS

- Firm gripping combination pliers with heavy duty cutter
- Ergonomically designed dual component handles
- Serrated gripping zones for flat and round materials
- Suitable for cutting both soft and hard wire
- Manufactured from high grade chrome molybdenum with polished and black phosphate finish



Part No.	Description	Jaw Opening (Max)	Overall Length
<b>301990</b>	Combination Pliers	40mm	180mm
<b>301991</b>	Combination Pliers	45mm	210mm
<b>301992</b>	Combination Pliers	32mm	230mm



DIAGONAL CUTTING PLIERS

- Heavy duty diagonal cutters for powerful, efficient and precise cutting
- Ergonomically designed dual component handles
- Suitable for cutting both soft and hard wire
- Manufactured from high grade chrome molybdenum with polished and black phosphate finish



Part No.	Description	Jaw Opening (Max)	Overall Length
<b>301993</b>	Diagonal cutting plier	22mm	160mm
<b>301994</b>	Diagonal cutting plier	22mm	180mm
<b>301995</b>	Diagonal cutting plier	20mm	200mm



MULTI-GRIP PLIERS

- Firm gripping, holding and clamping
- Ergonomically designed dual component handles
- Deep hardened teeth with gripping zones suitable for flat, round and obscure objects
- Manufactured from high grade chrome molybdenum with polished and black phosphate finish
- 301998: Seven position box joint allows for adjustable jaw opening
- 301999: Push-lock button with thirty two position adjustable jaw opening



Part No.	Description	Jaw Opening (Max)	Overall Length
<b>301998</b>	Multi-grip plier 7 position	35mm	250mm
<b>301999</b>	Multi-grip plier 32 position	70mm	300mm



LONG NOSE PLIERS

- Firm gripping, manipulating and cutting most types of components and wires
- Excellent control and reach in confined spaces
- Suitable for cutting both soft and hard wire
- Ergonomically designed dual component handles
- Manufactured from high grade chrome molybdenum with polished and black phosphate finish

Part No.	Description	Jaw Opening (Max)	Overall Length
<b>301996</b>	Long nose plier - Straight tip	85mm	210mm
<b>301997</b>	Long nose plier - Angled tip 45°	75mm	210mm



TPSA01

TPSA02

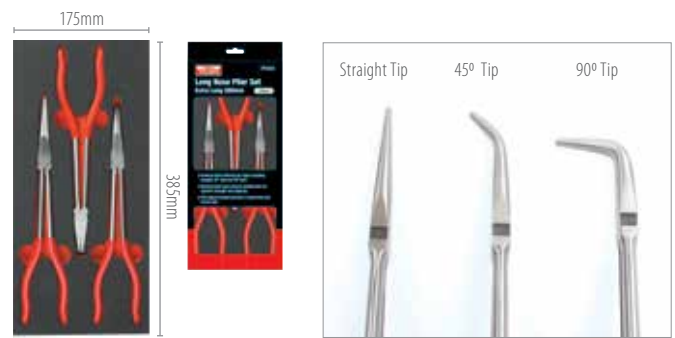
**WORKSHOP PLIER SETS**

4 PIECE

- Popular plier sets contain one each of the most common workshop pliers
- Available in either a reusable EVA storage tray or handy tool roll

Note: Replacement tool roll available (Part No. TPSA02RL) Can be used to store up to four pliers maximum 250mm long

Part No.	Description	Pieces	
<b>TPSA01</b>	Workshop plier set in EVA foam tray	4	
<b>TPSA02</b>	Workshop plier set in tool roll	4	
	Contents	Description	Qty
	301991	Combination plier 210mm	1
	301995	Diagonal cutter 200mm	1
	301996	Long nose plier 210mm	1
	310998	Multi-grip plier 250mm	1
TPSA02RL	Empty tool roll only		



**EXTRA LONG NOSE PLIER SET**

280MM 3 PIECE

- Three different tip styles including straight, 45° bent and 90° bent
- For firm gripping and manipulating of components and wires
- Extra-long for additional reach into otherwise inaccessible areas
- PVC dipped handles provide a comfortable and secure grip
- Serrated gripping zones grip firmly
- Thin profile jaws for improved access
- Manufactured from chrome molybdenum for superior strength and durability
- Supplied in EVA foam storage tray

Part No.	Description	Tip Style	Qty
<b>TPSA03</b>	Extra long nose plier	Straight Tip	1
	Extra long nose plier	45° Tip	1
	Extra long nose plier	90° Tip	1

**MERCHANDISERS - WORKSHOP PLIERS**

- In store wall mount merchandiser provides a compact point of sale solution for popular Toledo pliers



Part No.	Contents	Description	Qty
<b>TPMA01</b>	301991	Combination plier 210mm	3
	301995	Diagonal cutter 200mm	3
	301996	Long nose plier 210mm	3
	301997	Long nose plier - Bent tip 45° 210mm	3
	301998	Multi-grip plier 250mm	3



Part No.	Contents	Description	Qty
<b>TPMA02</b>	301990	Combination plier 180mm	3
	301992	Combination plier 230mm	3
	301993	Diagonal cutter 160mm	3
	301994	Diagonal cutter 180mm	3
	301999	Multi-grip plier 300mm	3

PLIERS



FP10



FP10H



FENCING PLIERS

COMBINATION

- For cutting, gripping and manipulating components and wires, commonly used in fencing and farming applications
- Combination pliers including three specially designed wire cutters
- Serrated gripping zones for flat and round material
- Manufactured from drop forged alloy steel for superior strength and durability
- PVC dipped handles

Part No.	Description	Jaw Opening (Max)	Jaw Width	Overall Length
<b>FP10</b>	Fencing plier 260mm	52mm	13mm	260mm
<b>FP10H</b>	Fencing plier 260mm w/holster	52mm	13mm	260mm
<b>FP12</b>	Fencing plier 300mm	60mm	14mm	300mm



FENCING PLIERS

PARROT BEAK

- Designed for cutting, crimping, swaging, hammering and gripping wire and staples commonly used in fencing and farming applications
- Features two specially designed wire cutters, parrot lever assembly, serrated hammer and gripping zone, swager and crimper
- Manufactured from drop forged alloy steel for superior strength and durability
- PVC dipped handles

Part No.	Jaw Opening (Max)	Jaw Width	Overall Length
<b>HP10</b>	32mm	14.5mm	270mm



FCP-1



SCP-1



PINCING PLIERS

- Specialty tools in either "Top" or "Side & Top" join styles designed for use with Tridon double ear hose clamps
- Precision cutting edges for cutting, twisting or crimping
- Manufactured from drop forged alloy steel for superior strength and durability
- PVC dipped handles

Part No.	Description	Jaw Width	Jaw Opening (Max)	Overall Length
<b>FCP-1</b>	Side & top jaw pincer	Top: 18mm Side: 8mm	Top: 23mm Side: 19mm	220mm
<b>SCP-1</b>	Top join pincer	24mm	25mm	250mm

NIPPING PLIERS

END CUTTING/CONCRETE

- Precision cutting edges for cutting and twisting steel fixing wire
- Suitable for most soft, medium and hard wires
- Manufactured from drop forged alloy steel for superior strength and durability
- PVC dipped handles



Part No.	Jaw Opening (Max)	Jaw Width	Overall Length
<b>EN8</b>	14mm	31mm	200mm





**LOCK-GRIP PLIERS**

- Curved jaws for better contact on bolt heads, nuts and round work
- Permits user to apply extra pressure across four points of contact on any style nut/bolt head
- Adjusting screw and self locking with release lever
- Manufactured from chrome molybdenum with nickel plating



Part No.	Jaw Opening (Max)	Jaw Width	Overall Length
<b>VG180</b>	38mm	12mm	180mm
<b>VG250</b>	45mm	12mm	250mm



**LOCK-GRIP PLIERS SHEET METAL**

- Powerful jaws grip firmly across front edge
- Adjusting screw and self locking with release lever
- Applications include bending, forming, clamping and crimping sheet metal
- Manufactured from chrome molybdenum with nickel plating



Part No.	Jaw Opening (Max)	Jaw Width	Overall Length
<b>301980</b>	55mm	100mm	250mm



**LOCK-GRIP PLIERS SLIDING HAMMER**

- Curved jaws for better contact on bolt heads, nuts and round work
- Permits user to apply extra pressure across four points of contact on any style nut/bolt head
- Slide hammer assembly allows for additional pulling force to remove extra stubborn items
- Ideal tool for the easy removal of rusty bolts, nails, staples, dowels and split pins
- Manufactured from chrome molybdenum with nickel plating

Part No.	Jaw Opening (Max)	Jaw Width	Slide Hammer	Plier Length	Overall Length
<b>VG210LP</b>	40mm	12mm	1Kg x 370mm	210mm	600mm



**LOCK-GRIP PLIER SET SHEET METAL & MULTI-GRIP**

- Comprehensive set of sheet metal gripping pliers designed for clamping all types of sheet metal for spot welding
- Contains six popular plier styles with quick release levers
- Manufactured from tempered steel body and chrome molybdenum head
- Supplied in custom moulded plastic hard case with jaw identification markings

Part No.	Style	Jaw Opening (Max)	Overall Length
<b>301279</b>	J-Type Axial	10mm	200mm
	L-Type Axial	15mm	200mm
	JJ-Type Axial	10mm	200mm
	LL-Type Axial	8mm	200mm
	T-Type Axial	15mm	200mm
	W-Type Axial	10mm	200mm

PLIERS



301103

301102

WIRE TWIST PLIERS

- For the twisting and installation of steel fixing wire using the inbuilt wire lock and twist return mechanism
- Serrated gripping zones firmly grab wire and robust cutter neatly cuts wire without distortion
- Manufactured from drop forged alloy steel for superior strength and durability



Part No.	Jaw Opening (Max)	Jaw Width	Overall Length
<b>301103</b>	21mm	10mm	170mm
<b>301102</b>	29mm	12mm	230mm



301123 & 301124

301683

SNAP RING (LOCK RING) PLIERS

- Spreads snap lock-rings on brakes, transmissions, pedal shafts, clutch shafts and machine tools
- Externally serrated jaws to firmly grab the lock ring
- Black phosphate finished steel and PVC dipped handles
- Spares 301683: Replacement angled & straight tip set (Part No. 301683A)



301123 Angled tip

301124 Straight tip

301683

Part No.	Description	Jaw Opening	Jaw Width	Overall Length	Spares
<b>301123</b>	Angled tip	4-20mm	6.5mm	215mm	-
<b>301124</b>	Straight tip	4-20mm	6.5mm	215mm	-
<b>301683</b>	Angled & Straight tip	8-75mm	8mm	335mm	301683A

CIRCLIP PLIERS  
PVC DIPPED HANDLES

- Comprehensive range of circlip pliers to cover all sizes and applications
- Manufactured from heat treated, drop forged steel with PVC dipped handles



External 90° tip

External straight tip

Internal 90° tip

Internal straight tip

Part No.	Description	Jaw Opening	Tip Diameter	Tip Length (A)	Tip Length (B)	Overall Length
<b>301125</b>	Internal straight tip	4 - 20mm	Ø 1.2mm	32mm	-	130mm / 5"
<b>301126</b>	Internal 90° tip	4 - 20mm	Ø 1.0mm	22mm	10mm	130mm / 5"
<b>301127</b>	External straight tip	4 - 20mm	Ø 1.2mm	32mm	-	130mm / 5"
<b>301128</b>	External 90° tip	4 - 20mm	Ø 1.0mm	22mm	10mm	130mm / 5"
<b>301129</b>	Internal straight tip	4 - 35mm	Ø 1.4mm	40mm	-	180mm / 7"
<b>301130</b>	Internal 90° tip	4 - 35mm	Ø 1.3mm	30mm	10mm	180mm / 7"
<b>301131</b>	External straight tip	4 - 35mm	Ø 1.4mm	40mm	-	180mm / 7"
<b>301132</b>	External 90° tip	4 - 35mm	Ø 1.3mm	30mm	10mm	180mm / 7"
<b>301133</b>	Internal straight tip	6 - 40mm	Ø 1.8mm	50mm	-	230mm / 9"
<b>301134</b>	Internal 90° tip	6 - 40mm	Ø 2.0mm	35mm	10mm	230mm / 9"
<b>301135</b>	External straight tip	6 - 40mm	Ø 1.8mm	50mm	-	230mm / 9"
<b>301136</b>	External 90° tip	6 - 40mm	Ø 2.0mm	35mm	10mm	230mm / 9"



Internal 90° tip

External 90° tip



**CIRCLIP PLIER SET**  
PVC DIPPED HANDLES 4 PIECE

- Popular selection of circlip pliers supplied in Toledo tool roll with belt clip
- Four piece set contains straight tip pliers for internal and external circlip applications
- Replacement tool roll available (Part No. TPSA02RL)

Part No.	Description	Pieces	
<b>TCPR01</b>	Circlip plier set	4	
	Contents	Description Overall Length Qty	
	301125	Circlip Plier - Internal straight tip 130mm	1
	301127	Circlip Plier - External straight tip 130mm	1
	301133	Circlip Plier - Internal straight tip 230mm	1
301135	Circlip Plier - External straight tip 230mm	1	



**CIRCLIP PLIER 160MM**  
QUICK CHANGE MULTI-TIP

- Universal set features various straight and angled tip sets to cover internal and external circlip applications
- Contains four tip sets which can be quickly interchanged on the head of the plier
- Manufactured from heavy gauge tempered steel with plastic moulded handles
- Spares: Replacement tip sets available

Part No.	Description	Jaw Opening (Max)	Overall Length
<b>301141</b>	Circlip plier set - Multi tip	19mm	160mm
	Contents	Description Tip Diameter Qty	
	301144	Tip set - straight (pair) Ø 1.2mm	1
	301145	Tip set - straight (pair) Ø 1.5mm	1
	301146	Tip set - angled 90° (pair) Ø 1.5mm	1
301147	Tip set - angled 45° (pair) Ø 1.5mm	1	



301800

301850

**CIRCLIP PLIER SETS**  
HEAVY DUTY

- Heavy duty circlip plier sets to suit larger internal and external circlip applications
- Supplied with various straight and angled tips for universal applications
- Ratchet lock style mechanism to enable safe and easy removal and replacement of circlips
- Manufactured from heavy gauge tempered steel
- Supplied in custom moulded plastic hard case

Part No.	Description	Jaw Opening (Max)	Pieces	
<b>301800</b>	Heavy duty circlip plier set	75mm	18	
	Contents	Description Tip Diameter Qty		
	N/A	Heavy duty internal circlip plier 270mm	-	1
	N/A	Heavy duty external circlip plier 270mm	-	1
	301801	Straight tip set	Ø 2.75mm	1
	301802	Angled tip set 15° (Pair)	Ø 2.75mm	1
	301803	Angled tip set 45° (Pair)	Ø 2.75mm	1
	301804	Angled tip set 90° (Pair)	Ø 2.75mm	1
	301805	Straight tip set (Pair)	Ø 3.0mm	1
	301806	Angled tip set 15° (Pair)	Ø 3.0mm	1
	301807	Angled tip set 45° (Pair)	Ø 3.0mm	1
	301808	Angled tip set 90° (Pair)	Ø 3.0mm	1

Part No.	Description	Jaw Opening (Max)	Pieces	
<b>301850</b>	Heavy duty circlip plier set	85mm	14	
	Contents	Description Tip Diameter Qty		
	N/A	Heavy duty internal circlip plier 400mm	-	1
	N/A	Heavy duty external circlip plier 400mm	-	1
	301851	Straight tip set (Pair)	Ø 3.0mm	1
	301852	Angled tip set 45° (Pair)	Ø 3.0mm	1
	301853	Angled tip set 90° (Pair)	Ø 3.0mm	1

## PLIERS

### CIRCLIP PLIER SET

QUICK CONVERSION 10 PIECE

- Circlip pliers with quick conversion function to enable easy change over from internal to external circlip application
- Includes eight reversible circlip pliers and two pick tools
- Supplied in custom moulded plastic hard case

Part No.	Description	Pieces		
<b>301939</b>	Circlip plier set - Quick conversion	10		
	Description (N/A separately)	Tip Diameter	Overall Length	Qty
	Angled tip plier 90°	Ø 1.0mm	140mm	1
	Straight tip plier	Ø 1.0mm	150mm	1
	Angled tip plier 90°	Ø 1.2mm	140mm	1
	Straight tip plier	Ø 1.2mm	150mm	1
	Angled tip plier 90°	Ø 1.8mm	190mm	1
	Straight tip plier	Ø 1.8mm	200mm	1
	Angled tip plier 90°	Ø 2.3mm	215mm	1
	Straight tip plier	Ø 2.3mm	230mm	1
	Angled pick tool 90°	–	–	1
	Straight pick tool	–	–	1



321011

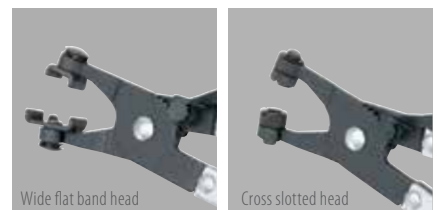
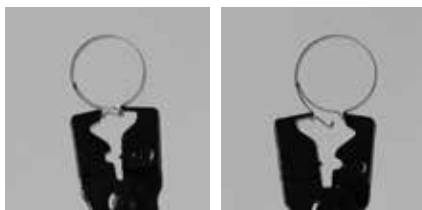


301030

301031



301171



Wide flat band head

Cross slotted head

### HOSE CLAMP PLIERS

CLIC TYPE

- Spring loaded pliers suitable for hose clamp installation and removal
- Suitable for CLIC, CLIC-R and Tridon SL series hose clamps
- Specially designed jaws allow a quick change from installation to removal by simply turning over pliers
- Manufactured from chrome treated alloy steel with PVC dipped handles

Part No.	Jaw Opening (Max)	Overall Length
<b>321011</b>	20mm	180mm

### HOSE CLAMP PLIERS

CONSTANT TENSION

- For the installation and removal of constant tension style hose clamps
- Locking mechanism holds clamp in position and spring return ensures ease of operation
- Spring return for ease of use and operation
- Manufactured from chrome treated alloy steel with PVC dipped handles

Part No.	Jaw Style	Jaw Opening (Max)	Jaw Width	Overall Length
<b>301030</b>	Angles 45°	68mm	17mm	215mm
<b>301031</b>	Straight	45mm	11mm	215mm

### HOSE CLAMP PLIER SET

CONSTANT TENSION 2 PIECE

- Two piece set includes both cross slotted jaw and wide flat band jaw pliers to suit most ring and flat band type hose clamps
- Ratchet locking mechanism holds clamp in open position for easy installation and removal
- Suitable for use with Tridon CTC series clamps
- Manufactured from chrome treated alloy steel with PVC dipped handles

Part No.	Jaw Opening (Max)	Jaw Width	Overall Length
<b>301171</b>	64mm	12mm	215mm



**HOSE CLAMPING PLIER SET**  
ALUMINIUM 3 PIECE

- For shutting off (restricting) flow of fluid or vacuum
- Individual slide lock mechanism for one handed operation
- Robust design made from aluminium for extra long service life
- Completely resistant to common workshop fluids



Part No.	Jaw Openings (Max)	Jaw Width	Overall Length
<b>321105</b>	16, 25, 64mm	9, 11, 12mm	150, 180, 250mm



**HOSE CLAMP PLIERS**  
CONSTANT TENSION FLEXIBLE CORD

- For the installation and removal of constant tension style hose clamps
- Locking mechanism holds clamp in position and spring return ensures ease of operation
- Flexible cable offers extensive reach and access to difficult areas
- Black phosphate finished body and PVC dipped handles
- Manufactured from chrome treated alloy steel with PVC dipped handles



Part No.	Body x Flexible Cord Length	Jaw Opening (Max)	Jaw Width
<b>301172</b>	210 x 630mm	53mm	21mm

**HOSE CLAMPING PLIERS**  
REINFORCED NYLON

- For shutting off (restricting) flow of fluid or vacuum
- Individual slide lock mechanism for one handed operation
- High visibility coloured non-conductive material
- Ideal for use on brakes, fuel, heaters, radiators, vacuum hoses
- Chemical resistant nylon is resistant to most automotive chemicals, brake fluid, fuel, mineral and synthetic oils etc.



301022



301024



301023



321028



321029



Part No.	Description	Jaw Opening Max	Jaw Width	Overall Length	Pieces
<b>301022</b>	Hose clamping plier	20mm	10mm	150mm	1
<b>301023</b>	Hose clamping plier	33mm	12mm	185mm	1
<b>301024</b>	Hose clamping plier	65mm	12mm	255mm	1
<b>321028</b>	Hose clamping plier w/quick release spring lock	40mm	12mm	220mm	1
<b>321029</b>	Hose clamping plier set - Angled tip 90° (n/a separately)	18, 22, 40mm	9, 12, 13mm	155, 165, 225mm	3
<b>301025A</b>	Hose clamping plier set - 4 x 301022	20mm	10mm	150mm	4
<b>301025</b>	Hose clamping plier set - 1 x 301022, 301023 & 301024	20, 33, 65mm	10 & 12mm	150, 185, 255mm	3

SCREWDRIVERS



SCREWDRIVER RANGE

- High quality range of professional screwdrivers
- Standard and Strike-Thru styles
- Maximum torquing and ergonomically designed
- 100% made in Japan

SPECIALTY MAGNETIC BLACK POINT TIPS

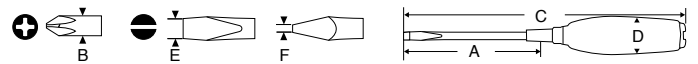
- Heavy duty, corrosion resistant long life tips
- Magnetic for easy fastener retention
- Precision fit for higher torque output
- Maintenance of fastener integrity

MATERIALS & WORKMANSHIP

- Premium Japanese chrome-molybdenum-vanadium steel
- Hardened and heat treated steel
- Polished chrome blade is corrosion resistant
- Japanese made and engineered
- Over 70 year history of screwdriver manufacturing

SCREWDRIVERS  
ERGONOMIC

- Ergonomically designed dual component handles are comfortable and strong
- Finger dimpled handles for additional grip
- Hex shoulder enables additional force to be applied if necessary
- Magnetic black point tips extend life and provide a precision fit
- Non-roll handles for safety and convenience
- Ring screw applicator built in to base of handle
- Made in Japan



Part No.	Fastener Type	Description	A	B	C	D	E	F
321940	+	Phillips #1 x 75mm	75	5.5	175	25		
321941	+	Phillips #2 x 100mm	100	6.3	230	32		
321942	+	Phillips #2 x 150mm	150	6.3	280	32		
321943	+	Phillips #2 x 200mm	200	6.3	330	32		
321944	+	Phillips #3 x 150mm	150	8.0	280	32		
321945	⊖	Slotted 5.5 x 75mm	75	5.5	175	25	5.5	0.7
321946	⊖	Slotted 6.0 x 100mm	100	6.3	230	32	6.0	0.9
321947	⊖	Slotted 6.0 x 150mm	150	6.3	280	32	6.0	0.9
321948	⊖	Slotted 6.0 x 200mm	200	6.3	330	32	6.0	0.9
321949	⊖	Slotted 8.0 x 150mm	150	8.0	280	32	8.0	1.0

SCREWDRIVER SETS

ERGONOMIC



Part No.	Description	Pieces	
<b>321980</b>	Ergonomic screwdriver master set in removable foam trays & storage box	12	
Contents	Fastener Type	Description	Qty
321940	+	Phillips #1 x 75mm	1
321941	+	Phillips #2 x 100mm	1
321942	+	Phillips #2 x 150mm	1
321943	+	Phillips #2 x 200mm	1
321944	+	Phillips #3 x 150mm	1
321945	⊖	Slotted 5.5 x 75mm	1
321946	⊖	Slotted 6.0 x 100mm	1
321947	⊖	Slotted 6.0 x 150mm	1
321948	⊖	Slotted 6.0 x 200mm	1
321949	⊖	Slotted 8.0 x 150mm	1
321971	+	Phillips #2 x 30mm (stubby)	1
321972	⊖	Slotted 6.0 x 30mm (stubby)	1

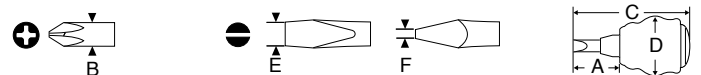
Part No.	Description	Pieces	
<b>321982</b>	Ergonomic screwdriver set in removable foam tray & storage box	8	
Contents	Fastener Type	Description	Qty
321940	+	Phillips #1 x 75mm	1
321941	+	Phillips #2 x 100mm	1
321944	+	Phillips #3 x 150mm	1
321945	⊖	Slotted 5.5 x 75mm	1
321946	⊖	Slotted 6.0 x 100mm	1
321949	⊖	Slotted 8.0 x 150mm	1
321971	+	Phillips #2 x 30mm (stubby)	1
321972	⊖	Slotted 6.0 x 30mm (stubby)	1

Part No.	Description	Pieces	
<b>321983</b>	Ergonomic screwdriver set with gearless stubby in foam tray	7	
Contents	Fastener Type	Description	Qty
321940	+	Phillips #1 x 75mm	1
321942	+	Phillips #2 x 150mm	1
321944	+	Phillips #3 x 150mm	1
321945	⊖	Slotted 5.5 x 75mm	1
321947	⊖	Slotted 6.0 x 150mm	1
321949	⊖	Slotted 8.0 x 150mm	1
321920	+	Gearless stubby w/bit set Phillips #1, #2, #3 Slotted 4.5, 6.0, 7.0mm	1

SCREWDRIVERS

STUBBY

- Range of stubby screwdrivers in differing style and design
- Essential for work in confined spaces and difficult access areas
- Made in Japan



Part No.	Fastener Type	Description	A	B	C	D	E	F
<b>321971</b>	+	Stubby Phillips #2 x 30mm	30	6.3	76	38		
<b>321972</b>	⊖	Stubby Slotted 6.0 x 30mm	30	6.3	76	38	6.0	0.8
<b>301163</b>	+	Stubby Phillips #1 & #2 x 45mm, Stubby Slotted 5.0 & 6.0mm x 45mm (Acrylic handle 4 Pc.)						
<b>321920</b>	+	Stubby gearless screwdriver w/bit set Phillips #1, #2, #3x 45mm, Slotted 4.5, 6.0 & 7.0mm						

SCREWDRIVERS

SCREWDRIVERS

INSULATED 1000V

- Insulated screwdrivers for use on dangerous live electrical applications
- Ideal for all 240V applications in Australia and New Zealand and tested to 1000V
- Insulating blade sleeve and clear size markings on blade for easy identification
- High torqueing bulb handle generates greater torque output
- Made in Japan



Part No.	Fastener Type	Description	A	B	C	D	E	F
<b>321960</b>	⊕	Insulated Phillips #2 x 100mm	100	5.8	200	40		
<b>321961</b>	⊖	Insulated Slotted 5.0 x 100mm	100	5.8	200	40	5.0	0.8

SCREWDRIVERS

STRIKE-THRU HEAVY DUTY

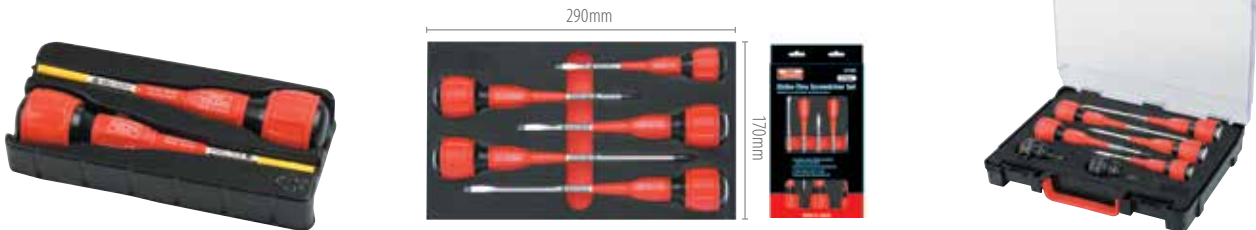
- Extra heavy duty, high torqueing range of strike thru screwdrivers
- The strongest strike-thru screwdrivers available featuring an extra large shatterproof striking face
- Specialty bulb style handles enhance grip and deliver increased torque output
- Magnetic black point tips extend life and provide a precision fit
- Dual component handle with single strike through blade
- Tried and tested extensively to withstand the most strenuous and rigorous work conditions
- Bulb handle also allows stabilising hand to be safely tucked in and protected from the impact zone
- Made in Japan



Part No.	Fastener Type	Description	A	B	C	D	E	F
<b>321954</b>	⊕	Strike-Thru Phillips #2 x 100mm	100	6.3	200	40	-	-
<b>321955</b>	⊕	Strike-Thru Phillips #2 x 150mm	150	6.3	240	40	-	-
<b>321950</b>	⊖	Strike-Thru Slotted 5.5 x 75mm	75	5.5	155	32	5.5	0.7
<b>321951</b>	⊖	Strike-Thru Slotted 6.0 x 100mm	100	6.3	200	40	6.0	0.8
<b>321952</b>	⊖	Strike-Thru Slotted 6.0 x 150mm	150	6.3	240	40	6.0	0.8

SCREWDRIVER SETS

STRIKE-THRU HEAVY DUTY & INSULATED 1000V



Part No.	Description	Pieces
<b>321990</b>	Insulated screwdriver set in plastic tray	2

Contents	Fastener Type	Description	Qty
321960	⊕	Insulated Phillips #2 x 100mm	1
321961	⊖	Insulated Slotted 5.0 x 100mm	1

Part No.	Description	Pieces
<b>321985</b>	Strike-thru screwdriver set in foam tray	5

Contents	Fastener Type	Description	Qty
321954	⊕	Strike-Thru Phillips #2 x 100mm	1
321955	⊕	Strike-Thru Phillips #2 x 150mm	1
321950	⊖	Strike-Thru Slotted 5.5 x 75mm	1
321951	⊖	Strike-Thru Slotted 6.0 x 100mm	1
321952	⊖	Strike-Thru Slotted 6.0 x 150mm	1

Part No.	Description	Pieces
<b>321984</b>	Strike-thru screwdriver set in removable foam tray & storage box	7

Contents	Fastener Type	Description	Qty
321954	⊕	Strike-Thru Phillips #2 x 100mm	1
321955	⊕	Strike-Thru Phillips #2 x 150mm	1
321950	⊖	Strike-Thru Slotted 5.5 x 75mm	1
321951	⊖	Strike-Thru Slotted 6.0 x 100mm	1
321952	⊖	Strike-Thru Slotted 6.0 x 150mm	1
321971	⊕	Stubby Phillips #2 x 30mm	1
321972	⊖	Stubby Slotted 6.0 x 30mm	1



SCREWDRIVERS

TAMPER-PROOF TORX

- Ergonomically designed range of tamperproof torx screwdrivers to suit six point torx fastener screws, common in late model vehicles
- Dimpled handles for comfort and grip with size markings on handle end for quick and easy identification
- Magnetic black point tips extend life and provide a precision fit
- Made in Japan



Part No.	Fastener Type	Description	A	B	C	D	E	G
<b>321911</b>		Tamperproof Torx T9 x 100mm	100	3.0	166	20	2.8	2.48
<b>321912</b>		Tamperproof Torx T10 x 125mm	125	4.0	213	30	3.0	2.72
<b>321913</b>		Tamperproof Torx T15 x 125mm	125	4.0	213	30	3.15	3.26
<b>321914</b>		Tamperproof Torx T20 x 125mm	125	5.0	213	30	4.0	3.84
<b>321915</b>		Tamperproof Torx T25 x 125mm	125	5.0	213	30	5.0	4.40
<b>321916</b>		Tamperproof Torx T27 x 125mm	125	6.3	234	34	5.5	4.96
<b>321917</b>		Tamperproof Torx T30 x 125mm	125	6.3	234	34	6.0	5.49
<b>321918</b>		Tamperproof Torx T40 x 125mm	125	7.0	249	38	7.0	6.60

SCREWDRIVER SET

TAMPER-PROOF TORX 8 PIECE

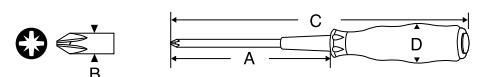
Part No.	Description	Pieces	
<b>321987</b>	Tamperproof torx master set in foam tray	8	
Part No.	Fastener Type	Description	Qty
321911		Tamperproof Torx T9 x 100mm	1
321912		Tamperproof Torx T10 x 125mm	1
321913		Tamperproof Torx T15 x 125mm	1
321914		Tamperproof Torx T20 x 125mm	1
321915		Tamperproof Torx T25 x 125mm	1
321916		Tamperproof Torx T27 x 125mm	1
321917		Tamperproof Torx T30 x 125mm	1
321918		Tamperproof Torx T40 x 125mm	1



SCREWDRIVERS

POZI-DRIVE

- Unique cross head tip provides a secure grip for Pozzi-drive type fasteners
- Dimpled handles for comfort and grip with size markings on handle end for quick and easy identification
- Made in Japan



Part No.	Fastener Type	Description	A	B	C	D
<b>321919</b>		Pozi-drive screwdriver PZ2 x 150mm	150	6.3	261	34

SCREWDRIVERS

MERCHANDISERS

- Complete modular merchandising system can be customised to suit store requirements
- Tiered design maximises wall space
- Robust and professional finish
- Width: 450mm



Part No.	Description	Pieces		
<b>NTMS05</b>	Essential screwdriver merchandiser single tier	24		
	Contents	Fastener Type	Description	Qty
	321940	⊕	Phillips #1 x 75	3
	321941	⊕	Phillips #2 x 100	3
	321944	⊕	Phillips #3 x 150	3
	321945	⊖	Slotted 5.5 x 75	3
	321946	⊖	Slotted 6.0 x 100	3
	321949	⊖	Slotted 8.0 x 150	3
	321971	⊕	Stubby Phillips #2 x 30	3
	321972	⊖	Stubby Slotted 6.0 x 30	3

Part No.	Description	Pieces		
<b>NTMS06</b>	Strike-Thru screwdriver merchandiser single tier	21		
	Contents	Fastener Type	Description	Qty
	321954	⊕	Strike-Thru Phillips #2 x 100	3
	321955	⊕	Strike-Thru Phillips #2 x 150	3
	321950	⊕	Strike-Thru Slotted 5.5 x 75	3
	321951	⊖	Strike-Thru Slotted 6.0 x 100	3
	321952	⊖	Strike-Thru Slotted 6.0 x 150	3
	321971	⊖	Stubby Phillips #2 x 30	3
	321972	⊖	Stubby Slotted 6.0 x 30	3

Part No.	Description	Pieces						
<b>NTMS07</b>	Master screwdriver merchandiser double tier	57						
	Contents	Fastener Type	Description	Qty	Contents	Fastener Type	Description	Qty
	321940	⊕	Phillips #1 x 75	3	321971	⊕	Stubby Phillips #2 x 30	3
	321941	⊕	Phillips #2 x 100	3	321972	⊖	Stubby Slotted 6.0 x 30	3
	321942	⊕	Phillips #2 x 150	3	321954	⊕	Strike-Thru Phillips #2 x 100	3
	321943	⊕	Phillips #2 x 200	3	321955	⊕	Strike-Thru Phillips #2 x 150	3
	321944	⊕	Phillips #3 x 150	3	321950	⊖	Strike-Thru Slotted 5.5 x 75	3
	321945	⊖	Slotted 5.5 x 75	3	321951	⊖	Strike-Thru Slotted 6.0 x 100	3
	321946	⊖	Slotted 6.0 x 100	3	321952	⊖	Strike-Thru Slotted 6.0 x 150	3
	321947	⊖	Slotted 6.0 x 150	3	321960	⊕	Insulated Phillips #2 x 100	3
	321948	⊖	Slotted 6.0 x 200	3	321961	⊖	Insulated Slotted 5.0 x 100	3
	321949	⊖	Slotted 8.0 x 150	3				



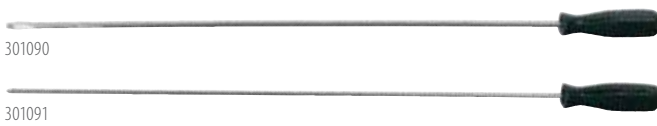


**SCREWDRIVER**  
STUBBY GEARLESS

- Unique gearless operation provides critically precise, accurate and acute adjustment
- Completely smooth and gearless operation
- Reversible operation with firm locking bit attachments and 1/4" square drive
- Made in Japan



Part No.	Fastener Type	Bit Set (Clip-On)	Square Drive
<b>321920</b>	+	Phillips #1, #2, #3	1/4"
	-	Slotted 4.5, 6.0, 7.0mm	



**SCREWDRIVERS**  
EXTRA LONG

- Extra long blade for extra reach into confined spaces and areas with restricted access
- Chrome vanadium blade and plastic comfort grip handles

Part No.	Fastener Type	Description
<b>301090</b>	-	Slotted 7.0 x 730mm
<b>301091</b>	+	Phillips #2 x 730mm

**NUT DRIVER SETS**  
HEX 6-POINT 9 PIECE

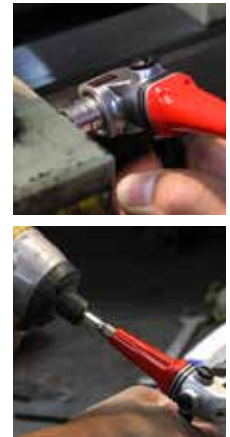
- For use on small nuts or bolts where quick installation or removal is required
- Ergonomic plastic handles with slip resistant inserts to produce greater torque
- Manufactured from chrome vanadium steel with chrome plated finish
- Supplied in custom moulded plastic storage tray

Part No.	Fastener Type	Description	Size	Pieces
<b>321007</b>	⊙	Metric	4, 5, 5.5, 7, 8, 9, 10, 11, 12mm	9
<b>321008</b>	⊙	Imperial	3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"	9



**SCREWDRIVER**  
RIGHT ANGLE DRILL ATTACHMENT

- Highest quality right angle drill attachment is compatible for use with both corded and cordless drills
- Angled 90° head provides easy access to tight and hard to reach applications
- Heavy duty aluminium construction with multi-positional stabilising handle which features an inbuilt storage compartment
- Made in Japan



Part No.	Fastener Type	Bits	Torque
<b>321921</b>	+	Phillips #1 & #2	49Nm



**IMPACT DRIVER SET**

- Specialty tool converts the impact of the hammer into powerful torque output
- Includes heavy duty impact driver and four bit set
- Manufactured from heat treated, high grade chrome molybdenum steel with chrome plating
- Supplied in heavy duty metal storage case
- Spares: Replacement bit set 4 Pc. (Part No. 301095A)



Part No.	Fastener Type	Description	Spares
<b>301095</b>	+	Impact driver w/ bit set Phillips #2 & #3, Slotted 9.0 & 11.0mm	301095A



PRYING



**PRY BAR SET**

STANDARD ANGLED TIP 4 PIECE

- Popular four piece set of pry bars for all prying applications
- Plastic handles with black phosphate finished square shanks

Part No.	Handle	Overall Lengths	Pieces
<b>301083</b>	Plastic	200, 300, 450, 600mm	4



**PRY BAR SET**

STRIKE-THRU ANGLED TIP 4 PIECE

- Popular four piece set of strike-thru pry bars for all prying applications
- Dual component plastic and rubber handles for comfort, grip and strength
- Black phosphate finished square shanks

Part No.	Handle	Overall Lengths	Pieces
<b>321027</b>	Dual component plastic & rubber	200, 300, 450, 600mm	4

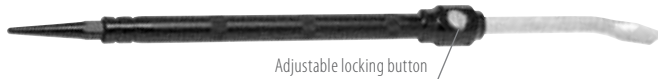


**PRY BARS**

STRIKE-THRU EXTRA LONG

- Extra long and heavy duty pry bars with strike-thru heads are the ultimate solution for larger, industrial applications
- Strike-thru shank is hardened and tempered to endure the rigours of heavy duty applications

Part No.	Description	Handle	Overall Length
<b>301070</b>	Straight tip	Plastic	800mm
<b>321043</b>	Angled tip	Plastic & rubber	900mm



**PRY BAR**

ADJUSTABLE W/PODGER END

- Heavy duty pry bar with telescopic locking podger bar end
- Solid chrome vanadium steel construction with podger end for easy bolt hold alignment work

Part No.	Length Range
<b>301186</b>	540 - 810mm



**PRY BAR SET**

ROLLED HEAD 4 PIECE

- Hardened and machined rolled head (hook) and pointed end (podger) design
- Rolled head enables high leverage operation and tapered end is ideal for alignment of bolt holes
- Manufactured from chrome vanadium steel for strength and durability

Part No.	Overall Lengths	Pieces
<b>301673</b>	150, 300, 400, 500mm	4



**ROLLED HEAD PRY BAR SET**

ADJUSTABLE 3 PIECE

- High leverage design with smooth curved head
- Adjustable head 180° permits prying and lifting in confined area
- Push lock function for ease of use
- High strength chrome vanadium steel with black phosphate finish to resist corrosion

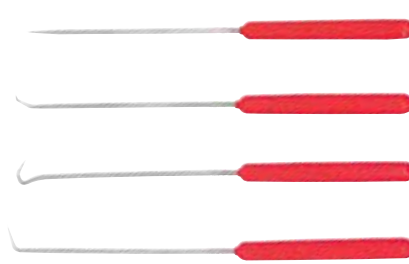
Part No.	Overall Lengths	Pieces
<b>321076</b>	200, 250, 330mm	3



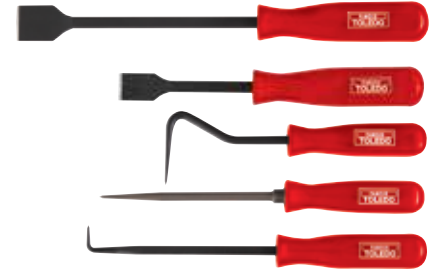
301043

**PICK & HOOK SETS**  
MINI & EXTRA LONG 4 PIECE

- Ideal deal for scraping, scribing, marking, picking and seal removal
- Heat treated alloy steel blades feature knurling for additional gripping
- Ergonomic plastic handles



301072



**SCRAPER & HOOK SET**  
5 PIECE

- Multi-style set contains tools for scraping, scribing, marking, picking and seal removal
- Heat treated and black phosphate finished steel with ergonomic plastic handles



Part No.	Description	Pieces
<b>301043</b>	Mini pick & hook set	4
Description	Tip Style	Overall Length
Hook	Circular	130mm
Pick	Angled 45°	130mm
Pick	Angled 90°	130mm
Scratch awl	Straight	130mm

Part No.	Description	Pieces
<b>301072</b>	Extra long pick & hook set	4
Description	Tip Style	Overall Length
Hook	Round	270mm
Pick	Angled 45°	270mm
Pick	Angled 90°	270mm
Scratch awl	Straight	270mm

Part No.	Description	Pieces
<b>301008</b>	Scraper & hook set	5
Description	Tip Style	Overall Length
Cotter pin puller	Angled 90°	225mm
Scratch awl	Straight	200mm
Hose remover	Curved 90°	175mm
Scraper	Flat 20mm wide	210mm
Scraper	Flat 25mm wide	285mm



**PICK SET**  
OIL SEAL 2 PIECE

- Double ended two piece set designed for simple and efficient removal of oil seals and O-rings
- Stainless steel shaft with plastic knurled grip handles



**HOSE REMOVAL SET**  
2 PIECE

- Designed for manipulating the seal when removing or working with hoses
- Two hook designs reach into the hard to get areas where working space is limited
- Ergonomic moulded plastic handle for superior grip and manoeuvrability



Part No.	Tip Styles	Overall Length	Pieces
<b>301297</b>	45°, 90° angled hook, full hook and 90° elbow	410mm	2

Part No.	Overall Length	Pieces
<b>301151</b>	200mm	2

## SCRAPING

### SCRAPERS

#### RAZOR BLADE

- Professional scrapers with stainless steel blades
- Replacement blades suit 301162 and 301247



WSCR



301162



301247



301250



301248



301249

Part No.	Description	Blades	Blade Width	Overall Length
<b>WSCR</b>	Fixed body disposable scraper	1 x Stainless Steel	55mm	150mm
<b>301162</b>	Swivel body scraper	1 x Stainless Steel	40mm	200mm (open)
<b>301247</b>	Long reach scraper w/storage chamber	3 x Stainless Steel, 3 x Plastic	40mm	280mm
<b>301250</b>	Stainless steel blades	12 x Stainless Steel	40mm	-
<b>301248</b>	Stainless steel blades	100 x Stainless Steel	40mm	-
<b>301249</b>	Plastic safety blades	100 x Plastic	40mm	-



301007



301278



### SCRAPERS

#### GASKET

- For the removal of old gaskets, silicone sealants, gasket residue, carbon, ingrained dirt etc.
- Ideal tool for scraping cylinder heads, blocks, transmission cases, diff housings and metal surfaces
- Hardened and tempered carbon steel with satin chrome finish and plastic comfort grip handles

Part No.	Description	Blade Width	Overall Length
<b>301007</b>	Gasket scraper single	25mm	280mm
<b>301278</b>	Gasket scraper set 3 Pc.	20, 25, 40mm	280mm

### SCRAPER SET

#### STRIKE-THRU STAINLESS STEEL 3 PIECE

- General purpose stainless steel blade scrapers
- Heavy duty design with robust handle design and striking head
- Hang hole for easy storage

Part No.	Style	Blade Width	Overall Length
<b>301651</b>	Bent	30mm	220mm
	Straight	30mm	220mm
	Straight	50mm	220mm

### SCRAPER SET

#### NYLON GENERAL PURPOSE 4 PIECE

- General purpose nylon scrapers useful for delicate tasks such as removing badges, mouldings, decals, silicone gaskets, plastic parts, alloy wheel balancing weights etc.
- Manufactured from reinforced nylon for maximum strength and durability

Part No.	Style	Blade Width	Overall Length
<b>321031</b>	Straight flat	48mm	230mm
	Straight split	14 x 20 x 14mm	230mm
	Angled 45° flat	48mm	230mm
	Angled 45° split	14 x 20 x 14mm	230mm



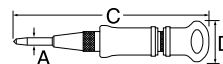
**SCRIBERS**

- Durable long lasting tools used for scribing and marking on common materials
- Suitable for use on metal, glass, plastic, O-rings and ceramics
- Solid metal construction with knurled centre grip handles
- Hardened tips perform better and last longer

Part No.	Description	Tip 1	Tip 2	Overall Length
<b>MS7</b>	Machinist's scribe	Straight	Angled 90°	190mm
<b>MSH8</b>	Machinist's scribe	Straight	Angled 90°	230mm
<b>301084</b>	Double point scribe	Hook	Angled 45°	220mm
<b>301085</b>	Engineer's scribe	Straight	Angled 45°	235mm

**CENTRE PUNCH**  
AUTOMATIC 6MM

- Highest quality centre punch for setting and marking screw or nail holes
- Adjustable spring loaded design for variable impact strength
- No hammer required for operation
- Extra heavy duty hardened tip for long lasting and superior performance
- Simple one hand operation; adjust handle to desired spring tension, press firmly against work piece until punch is achieved
- Made in Japan



Part No.	A: Tip Size	D: Handle	C: Overall Length
<b>321040</b>	6mm	34mm	160mm



**PROFILE GAUGES**

- Sliding plastic fingers provide a solid contour around an object to provide a profile of the desired shape
- Quick and easy way to copy profiles with graduated main body and magnets on reverse side for ease of use
- Connect units together to achieve greater length



Part No.	Finger Dimensions	Overall Length	Magnets
<b>301890</b>	127 x 100 x 20 x 1.4mm	150mm	2
<b>301891</b>	257 x 100 x 20 x 1.4mm	280mm	4

**PIN & DRIFT PUNCH SETS**  
BRASS

- Non-sparking and non-marring brass is ideal for preventing damage to surface materials
- Feature either a hexagonal or knurled round shaft

Part No.	Description	Pin Size	Overall Length	Pieces
<b>301488</b>	Pin punch	1/4"	100mm	3
	Pin punch	3/8"	150mm	
	Drift punch	1/2"	200mm	
<b>301662</b>	Drift punch	3/4"	200mm	3
	Drift punch	3/4"	300mm	
	Starter punch	11/32"	250mm	



PIN PUNCH SETS

- Durable pin punch sets are manufactured from chrome molybdenum and feature either a black phosphate or polished chrome finish
- 301181, 301182 and 301183 are supplied in reusable tool rolls with easy mounting holes
- 301608 and 301620 supplied in storage magazine



Part No.	Pin Diameter	Pin Length	Overall Length	Pieces
<b>301181</b>	Ø 1.5mm (1/16")	20mm	100mm	7
	Ø 2.5mm (3/32")	20mm	106mm	
	Ø 3.0mm (1/8")	23mm	120mm	
	Ø 4.0mm (5/32")	25mm	125mm	
	Ø 5.0mm (3/16")	30mm	133mm	
	Ø 6.0mm (1/4")	30mm	146mm	
	Ø 8.0mm (5/16")	35mm	150mm	



Part No.	Pin Diameter	Pin Length	Overall Length	Pieces
<b>301182</b>	Ø 3.0mm (1/8")	90mm	200mm	5
	Ø 5.0mm (3/16")	90mm	200mm	
	Ø 6.0mm (1/4")	90mm	200mm	
	Ø 8.0mm (5/16")	90mm	200mm	
	Ø 10.0mm (3/8")	90mm	200mm	



Part No.	Pin Diameter	Pin Length	Overall Length	Pieces
<b>301608</b>	Ø 2.0mm (1/13")	25mm	115mm	6
	Ø 3.0mm (1/8")	35mm	125mm	
	Ø 4.0mm (5/32")	40mm	150mm	
	Ø 5.0mm (3/16")	45mm	165mm	
	Ø 6.0mm (1/4")	50mm	180mm	
	Ø 8.0mm (5/16")	55mm	180mm	



CHISEL SET

- Six piece set of chisels for heavy duty industrial work
- Manufactured from hardened chrome molybdenum steel with black phosphate finish

Part No.	Size	Overall Length	Pieces
<b>301183</b>	6.0mm (1/4")	125mm	6
	8.0mm (5/16")	125mm	
	10.0mm (3/8")	140mm	
	13.0mm (1/2")	150mm	
	16.0mm (5/8")	165mm	
	19.0mm (3/4")	200mm	



TAPER PUNCH SET

- Durable taper punch set manufactured from chrome molybdenum with polished chrome finish

Part No.	Pin Diameter	Overall Length	Pieces
<b>301620</b>	Ø 2.0mm (1/13")	120mm	5
	Ø 3.0mm (1/8")	120mm	
	Ø 4.0mm (5/32")	120mm	
	Ø 5.0mm (3/16")	120mm	
	Ø 6.0mm (1/4")	120mm	





### CHISEL & PUNCH SET

- Spring loaded handle locks in chisel or punch attachment
- Safety striking handle features protective moulding to neatly tuck away and protect hand from the impact area
- Various chisel and punch attachments to serve as a comprehensive all in one kit
- Supplied in custom moulded plastic hard case

Part No.	Description	Size	Attachments
<b>301149</b>	Cape chisel	6mm	14
	Cold chisel (axe head)	40mm	
	Flat chisel	14, 17, 20, 23, 26, 60mm	
	Pin punch	5, 6mm	
	Tapered drift	3, 6mm	
	Tapered punch	3, 5mm	
	Safety handle	-	



### LETTER & NUMBER PUNCH SETS

- Letter and number punch sets in a range of sizes
- Compact sets supplied in plastic storage cases
- Manufactured from hardened chrome vanadium steel with special sand blasting finish to improve performance and longevity



Part No.	Description	Size	Contents	Pieces
<b>301626</b>	Letter punch set	3.0mm (1/8")	Letters "A to Z" and "&" symbol	27
<b>301627</b>	Letter punch set	5.0mm (3/16")	Letters "A to Z" and "&" symbol	27
<b>301628</b>	Letter punch set	6.0mm (1/4")	Letters "A to Z" and "&" symbol	27
<b>301629</b>	Letter punch set	8.0mm (5/16")	Letters "A to Z" and "&" symbol	27
<b>301630</b>	Letter punch set	10.0mm (3/8")	Letters "A to Z" and "&" symbol	27
<b>301615</b>	Number punch set	3.0mm (1/8")	Numbers "0-9" (6/9 reversible)	9
<b>301616</b>	Number punch set	5.0mm (3/16")	Numbers "0-9" (6/9 reversible)	9
<b>301617</b>	Number punch set	6.0mm (1/4")	Numbers "0-9" (6/9 reversible)	9
<b>301618</b>	Number punch set	8.0mm (5/16")	Numbers "0-9" (6/9 reversible)	9
<b>301619</b>	Number punch set	10.0mm (3/8")	Numbers "0-9" (6/9 reversible)	9



### LETTER & NUMBER PUNCH SET

#### AUTOMATIC PUNCH

- Adjustable spring loaded design for variable impact strength and hardened punches for long service life
- Simple one handed operation; adjust to desired spring tension, press firmly against work piece for automatic punch
- Punch tool made of brass with knurled body for extra grip
- Excellent for marking hand tools, equipment, workshop tools etc.
- Hammer not required for operation

Part No.	Description	Size	Pieces
<b>301943</b>	Automatic Punch Tool	3.0mm (1/8")	38
	Numbers "0-9" (6 / 9 Reversible)		
	& (Symbol)		
	" (Symbol)		
	Upper Case Letters "A-Z"		



HOLLOW WAD PUNCHES

- Precisely ground induction hardened and tempered cutting edges
- Uniquely designed tips prevent jamming of material inside the punch
- Manufactured from hardened chrome molybdenum steel with black phosphate finish



Part No.	Punch Diameter	Overall Length	Part No.	Punch Diameter	Overall Length
321205	Ø 5mm	100mm	321213	Ø 13mm	115mm
321206	Ø 6mm	100mm	321214	Ø 14mm	115mm
321208	Ø 8mm	105mm	321216	Ø 16mm	120mm
321209	Ø 9mm	105mm	321219	Ø 19mm	120mm
321210	Ø 10mm	105mm	321220	Ø 20mm	120mm
321211	Ø 11mm	115mm	321225	Ø 25mm	120mm
321212	Ø 12mm	115mm			

Part No.	Description	Pieces
321200	Hollow wad punch set	6
	Contents	Punch Diameter
	321205	Ø 5mm
	321206	Ø 6mm
	321208	Ø 8mm
	321210	Ø 10mm
	321211	Ø 11mm
	321212	Ø 12mm



301631



301337A

BRICKLAYER'S LINE PINS

- Hardened and ground alloy steel brick layer pins with chrome finish suitable for use with hardened mortar
- Used in conjunction with builder's lines for marking out positions or aligning brickwork etc.

Part No.	Overall Length	Qty
301631	150mm	2
301632	150mm	10

POWERBAR IMPACT WRENCH

1/2" SQUARE DRIVE

- Extra heavy duty impact wrench is designed specifically to loosen high torque and tight bolts using shock impact
- Amazing shock impact is very effective and generates up to 600 foot pounds of force from one blow
- Suitable for use on pulleys, fly wheels, couplings, flanges, lawn mower base plates
- Ideal for removal of harmonic balancer pulleys without the need for radiator removal
- Spares: Replacement bolt assembly (Part No. 301337A)

Part No.	Force	Overall Length	Spares
301337	600 Ft/lbs	560mm	301337A



## TORQUE WRENCHES

### REVERSIBLE CLICK-STOP

- Robust torque wrenches with reversible 24 tooth ratchet and security locking handle mechanism
- Click-stop design to alert user once the required torque has been achieved
- Slim style design with nickel chrome plated alloy finish
- Dual scale Ft/lb and Nm engravings on handle
- Each torque wrench is checked and calibrated before leaving the factory and is supplied with individual calibration certificate
- Suitable for use in difficult work conditions including dark, noisy, vibrating applications
- Individually supplied in custom moulded plastic hard case and hang sell packaging



301097



301098



301099



301349

Part No.	Square Drive	Range (Dual Scale)	Overall Length
<b>301097</b>	1/4"	2 - 24Nm & 17 - 212 in. lbs.	280mm
<b>301098</b>	3/8"	7 - 108Nm & 5 - 80 ft. lbs.	370mm
<b>301099</b>	1/2"	14 - 203Nm & 10 - 150 ft. lbs.	470mm
<b>301349</b>	3/4"	68 - 406Nm & 50 - 300 ft / lbs.	675mm



Supplied with Calibration Certificate



Scan here for video



## TORQUE SCREWDRIVER

### MICRO 5Nm

- Torque metered 1/4" square drive screwdriver ideal for screws, bolts and hose clamps where a specific torque is required
- Ergonomic handle includes inbuilt torque meter viewing window to set, lock or adjust the torque unit
- Includes socket attachments: 6, 7 and 8mm
- Suitable for use on all Tridon worm drive hose clamps
- Supplied in custom moulded plastic hard case

Part No.	Square Drive	Range	Increments
<b>CTD-2</b>	1/4"	0 - 5Nm	0.5Nm



## TORQUE SETTING ANGLE GAUGE

- Designed to measure the angle of rotation following pre-torque adjustment, where a torque angle adjustment is specified
- Full circle - measurement range of 0 - 360° in 2° increments and intervals of 10° and 30°
- Rotating housing used to zero the gauge and adjustable rod to secure gauge in position while in use
- Supplied with hex key

Part No.	Square Drive	Range	Increments/Graduation
<b>301101</b>	1/2"	360°	2°



309029



309030

## TYRE VALVE CORE TORQUE TOOLS

- Specifically designed to torque the tyre valve core to the correct specifications as required in the tyre pressure monitoring systems (TPMS)
- Moulded handle allows for a secure grip
- Accuracy: +/- 6%

Part No.	Torque Setting	Overall Length
<b>309030</b>	25Ncm (2in. lbs.)	120mm
<b>309029</b>	45Ncm (4in. lbs.)	120mm

## TORQUE

### BREAKER BARS STANDARD & RATCHET HEAD

- Premium range of professional breaker bars in various styles
- Heavy duty design and built to withstand the rigours of a commercial work environment
- Spring loaded ball bearing in square drive securely locks and holds the socket and tool
- Ratcheting versions: Feature a heavy duty 24 tooth mechanism and a three position switch for easy locking and direction change
- Manufactured from heat treated, drop forged chrome vanadium steel with polished chrome finish and black phosphate heads for added corrosion resistance
- *Spare: Replacement heads available*

Part No.	Description	Square Drive	Overall Length	Spare Head
<b>301599</b>	Standard head breaker bar	3/8"	610mm (24")	301599A
<b>301245</b>	Standard head breaker bar	1/2"	610mm (24")	301293
<b>301246</b>	Standard head breaker bar	3/4"	610mm (24")	301292
<b>301822</b>	Standard head breaker bar extra HD	3/4"	1000mm (40")	301822A
<b>301831</b>	Ratcheting head breaker bar	3/8"	450mm (18")	301831A
<b>301935</b>	Ratcheting head breaker bar	1/2"	610mm (24")	301935A
<b>301936</b>	Ratcheting head breaker bar	3/4"	610mm (24")	301936A
<b>321250</b>	Ratcheting head adjustable length breaker bar	1/2"	420 - 610mm (16.5"-24")	321250A
<b>321251</b>	Ratcheting head adjustable length breaker bar	3/4"	610 - 915mm (24"-36")	321251A



### TORQUE EXTENSION BARS

- Designed to torque wheel nuts and bolts to the correct tension as specified by the vehicle manufacturer
- Colour coded extension bars with pre-tension torque rating and colour coded for quick reference
- Both ends feature a 1/2" square drive
- Overall length per bar: 195mm
- Available individually or as part of set
- Set supplied in custom moulded plastic hard case

Part No.	Description				Pieces
<b>309500</b>	Torque extension bar set				10
Contents	Description	Nm	Overall Length	Image	
309501	Torque extension bar - Green	90Nm	195mm		
309502	Torque extension bar - Black	100Nm	195mm		
309503	Torque extension bar - Yellow	110Nm	195mm		
309504	Torque extension bar - Red	120Nm	195mm		
309505	Torque extension bar - Dark Blue	135Nm	195mm		
309506	Torque extension bar - Orange	150Nm	195mm		
309507	Torque extension bar - Grey	160Nm	195mm		
309508	Torque extension bar - Brown	175Nm	195mm		
309509	Torque extension bar - White	190Nm	195mm		
309510	Torque extension bar - Light Blue	200Nm	195mm		



309500

### TORQUE MULTIPLIER NUT CRACKING SET

3200NM

- Heavy duty tool for removing stubborn wheel nuts on heavy vehicles, light commercial trucks, buses and vans
- Uses reduction gears to create a multiplication force
- Created progressive force instead of shock impact
- Ergonomic rotation handle provides ease of use and stability
- Manufactured from heavy duty chrome molybdenum for strength and durability
- Includes seven deep 75mm six point 1" square drive impact sockets, rotation handle and 200mm male extension bar
- Supplied in custom moulded plastic hard case with clip-lockable lid
- Available separately 41mm socket (Part No. 30903741)

Part No.	Specifications	
<b>309055</b>	Multiplication ratio	56 : 1
	Square drive	1"
	Socket sizes 1" Sq. Dr. Hex	24, 27, 30, 32, 33, 36 & 38mm
	Output force (Max)	3200Nm (2360 ft. lbs.)



### NUT CRACKER BAR

- For seized and stubborn nuts
- High leverage 180° rotating **strike-thru** head
- Unique design creates an additional twist force after impact to assist cracking the nut
- Heavy duty construction for ongoing shock impact applications
- Ergonomic rubber handle provides comfort and firm grip




Part No.	Square Drive	Overall Length
<b>321032</b>	1/2"	410mm

### TORQUE MULTIPLIER

1500NM

- Heavy duty unit designed for use in applications where a higher than otherwise achievable torque rating is required
- Multiplication ratio of 3 to 1 with planetary gear design
- Ideal for breaking difficult or frozen fastener applications
- Head assembly features 1/2" square drive (female) for use with torque wrench, ratchet, breaker bar or power drive etc. and 3/4" square drive (male) for use with sockets
- Extension bar and stabiliser also included
- Manufactured from chrome molybdenum alloy steel



Part No.	Specifications		
<b>321009</b>	Multiplication ratio	3 : 1	
	Input drive	1/2" Sq. Dr. female	
	Input force (Max)	500Nm (365 ft. lbs.)	
	Output drive	3/4" Sq. Dr. male	
	Output force (Max)	1500Nm (1100 Ft.lbs)	
	Accuracy	+/- 4%	
	Dimensions		A: 73mm
			B: 127mm
			C: 10mm
			D: 25mm
		E: 83mm	
Weight	1.60kg		

SPANNERS & WRENCHES

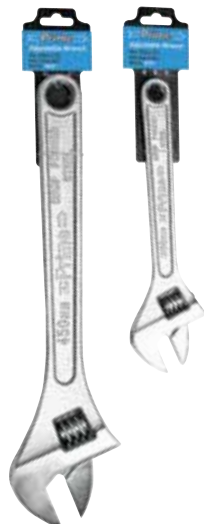


ADJUSTABLE WRENCHES

SHIFTERS

- Precision machined adjustable wrenches are manufactured to strict standards to ensure superior performance
- Four knurl jaws are precision made to ensure smooth operation
- Manufactured from drop forged chrome vanadium steel with nickel chrome plating to ensure corrosion resistance

Part No.	Overall Length	Jaw Opening (Max)	Jaw Width	Weight
88100	100mm (4")	15mm	5mm	53g
88150	150mm (6")	20mm	6mm	125g
88200	200mm (8")	25mm	8mm	240g
88250	250mm (10")	30mm	9mm	390g
88300	300mm (12")	35mm	11mm	587g
88375	375mm (15")	45mm	13mm	1164g
88450	450mm (18")	55mm	13mm	1775g
88600	600mm (24")	70mm	11mm	3000g



ADJUSTABLE WRENCHES

SHIFTERS

- Budget range of adjustable wrenches provide an economical option for DIY users
- Manufactured from drop forged carbon steel with chrome plating



Part No.	Overall Length	Jaw Opening (Max)	Jaw Width	Weight
89150	150mm (6")	20mm	7mm	125g
89200	200mm (8")	25mm	8mm	240g
89250	250mm (10")	30mm	9mm	390g
89300	300mm (12")	35mm	11mm	587g
89375	375mm (15")	45mm	14mm	1164g
89450	450mm (18")	55mm	15mm	1775g



MERCHANDISER

ADJUSTABLE WRENCHES

- In store wall mount merchandiser provides a compact point of sale solution
- Size: 450W x 755H (mm)

Part No.	Contents	Size	Qty	Contents	Size	Qty
NTMW01	88100	100mm (4")	2	88300	300mm (12")	3
	88150	150mm (6")	2	88375	375mm (15")	2
	88200	200mm (8")	2	88450	450mm (18")	1
	88250	250mm (10")	3	88600	600mm (24")	1



C-HOOK WRENCHES

PIN & HOOK STYLE

- Used to tighten, loosen or hold machinery components such as retaining rings, couplings, or any notched or multi-faced tool
- Range includes both **pin** and **hook** style
- Hinged jaws enable wrench to fit to parts within a specific size range
- Manufactured from drop forged chrome vanadium steel for longevity and durability
- Spares: Replacement pins available (each)

Part No.	Description	Size Range (Max)	Pin Size	Spare Pin
315150	Hook style	Ø 19 - 51mm (¾" - 2")	-	-
315151	Hook style	Ø 32 - 76mm (1 ¼" - 3")	-	-
315152	Hook style	Ø 51 - 121mm (2" - 4 ¾")	-	-
315153	Hook style	Ø 112 - 158mm (4 ½" - 6 ¼")	-	-
315154	Pin style	Ø 19 - 51mm (¾" - 2")	4mm	315154A (each)
315155	Pin style	Ø 32 - 76mm (1 ¼" - 3")	5mm	315155A (each)
315156	Pin style	Ø 51 - 121mm (2" - 4 ¾")	6mm	315156A (each)
315157	Pin style	Ø 112 - 158mm (4 ½" - 6 ¼")	8mm	315157A (each)

### C-HOOK WRENCH SET

PIN & HOOK STYLE INTERCHANGEABLE HEAD

- Professional workshop set to cater for an extended range of size requirements in both pin and hook style
- Interchangeable heads allow the wrench to be used on both hook and pin type applications
- Ideal kit for a variety of industries including automotive, industrial, plumbing and agriculture
- Manufactured from drop forged chrome vanadium steel for longevity and durability
- Spares: Replacement pins available (each). Refer to individual c-hook wrench spare part numbers

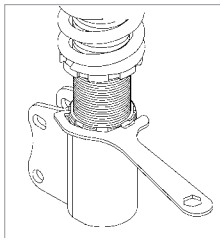


Part No.	Size Range	Pin Sizes
<b>315160</b>	35 - 60, 60 - 90, 90 - 120mm	5, 6, 8mm

### C-HOOK WRENCH SET RATCHETING

PIN & HOOK STYLE INTERCHANGEABLE HEAD

- Ratcheting feature allows for improved use in confined spaces
- Interchangeable heads allow the wrench to be used on both hook and pin type applications
- Manufactured from drop forged vanadium steel for longevity and durability
- Spares: Replacement two piece sets include both pin and hook style jaws



Part No.	Description	Spares	Image	Spares	Image	
<b>315161</b>	C-hook wrench set: 4 Jaw sizes, 4 Pin sizes	315161A		315161C		
	Description					Image
	Handle		Ø 19 - 51mm Hook Type		Ø 19 - 51mm Hook Type	
	Adaptor		Ø 19 - 51mm Pin Type (Ø 3mm)		Ø 19 - 51mm Pin Type (Ø 3mm)	
Adaptor		315161B		315161D		
			Ø 31 - 77mm Hook Type		Ø 31 - 77mm Hook Type	
			Ø 31 - 77mm Pin Type (Ø 4.5mm)		Ø 31 - 77mm Pin Type (Ø 4.5mm)	

SPANNERS & WRENCHES



FLARE NUT WRENCH SETS

3 PIECE

- Double ended flare nut wrench sets are particularly useful in automotive, hydraulic and refrigerant applications
- Manufactured from thick, drop forged vanadium steel to provide the strength and rigidity required to remove tight and stubborn pipe and flare nut applications



Part No.	Description	Size	Overall Length	Pieces
<b>301039</b>	Metric flare nut wrench set	10 x 12mm 13 x 14 mm 15 x 17mm	155mm 175mm 200mm	3
<b>301040</b>	Imperial flare nut wrench set	3/8" x 7/16" 1/2" x 9/16" 5/8" x 11/16"	155mm 175mm 200mm	3



WRENCH/SPANNER EXTENDERS

- Provides additional leverage and increased force for stubborn and tight nuts
- Increases length for access to otherwise unreachable and awkward areas
- Suitable for use with spanners/wrenches, Allen keys, ratchets, torque wrenches, multi grips
- Features 1/2" square drive socket for additional applications
- German engineered and manufactured from high quality drop forged and hardened, chrome vanadium steel
- Made in Germany

Scan here for video



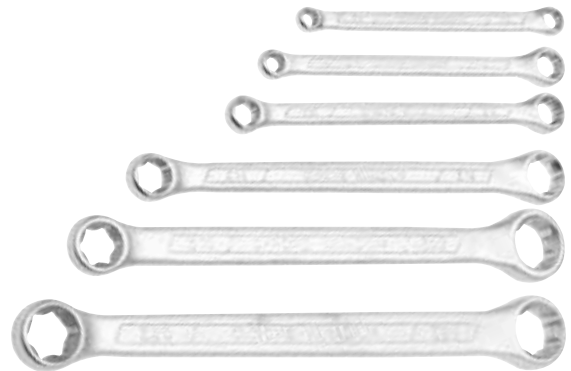
Part No.	Suits Spanner Width (Max)	Overall Length
<b>321045</b>	26mm	340mm
<b>321047</b>	46mm	600mm



PIPE WRENCHES

- Serrated adjustable locking jaw design to enable quick and secure operation once force is applied
- Ideal for use on pipes or bolts where additional strength is required
- Manufactured from carbon steel with drop forged jaws for strength and durability

Part No.	Overall Length	Pipe Size (Max)
<b>301217</b>	250mm	38mm
<b>301218</b>	300mm	38mm
<b>301219</b>	350mm	51mm
<b>301220</b>	450mm	63mm



E-STAR SPANNER SET

- Double ended 'ring' style spanner set designed for the removal and installation of six point fasteners
- Ideal for late model automotive applications
- Manufactured from drop forged vanadium steel for superior strength and durability

Part No.	Size	Length
<b>301166</b>	E6 x E8	110mm
	E7 x E11	125mm
	E10 x E12	140mm
	E14 x E18	180mm
	E16 x E22	200mm
	E20 x E24	225mm





**CROWFOOT WRENCHES**

STRAIGHT JAW & FLARED JAW

- Manufactured from high grade industrial drop forged, heat treated chrome molybdenum steel
- Available individually or as a set



**CROWFOOT WRENCHES**

STRAIGHT JAW

Part No.	Jaw Style	Square Drive	Size
301432	Straight jaw	3/8"	10mm
301433	Straight jaw	3/8"	11mm
301434	Straight jaw	3/8"	12mm
301435	Straight jaw	3/8"	13mm
301436	Straight jaw	3/8"	14mm
301437	Straight jaw	3/8"	15mm
301438	Straight jaw	3/8"	16mm
301439	Straight jaw	3/8"	17mm
301440	Straight jaw	3/8"	18mm
301441	Straight jaw	3/8"	19mm
301442	Straight jaw	3/8"	21mm
301443	Straight jaw	3/8"	22mm
301444	Straight jaw	3/8"	23mm
301445	Straight jaw	3/8"	24mm
301446	Straight jaw	3/8"	26mm
301466	Straight jaw	1/2"	27mm
301467	Straight jaw	1/2"	29mm
301468	Straight jaw	1/2"	30mm

Part No.	Jaw Style	Square Drive	Size
301469	Straight jaw	1/2"	32mm
301470	Straight jaw	1/2"	33mm
301471	Straight jaw	1/2"	34mm
301472	Straight jaw	1/2"	35mm
301473	Straight jaw	1/2"	36mm
301474	Straight jaw	1/2"	38mm
301475	Straight jaw	1/2"	41mm
301476	Straight jaw	1/2"	43mm
301477	Straight jaw	1/2"	46mm
301478	Straight jaw	1/2"	48mm
301479	Straight jaw	1/2"	50mm
301421	Straight jaw	3/8"	3/8"
301422	Straight jaw	3/8"	7/16"
301423	Straight jaw	3/8"	1/2"
301424	Straight jaw	3/8"	9/16"
301425	Straight jaw	3/8"	5/8"
301426	Straight jaw	3/8"	11/16"
301427	Straight jaw	3/8"	3/4"

Part No.	Jaw Style	Square Drive	Size
301428	Straight jaw	3/8"	13/16"
301429	Straight jaw	3/8"	7/8"
301430	Straight jaw	3/8"	15/16"
301431	Straight jaw	3/8"	1"
321001A	Straight jaw	1/2"	1 <sup>1</sup> / <sub>16</sub> "
321001B	Straight jaw	1/2"	1 <sup>1</sup> / <sub>8</sub> "
321001C	Straight jaw	1/2"	1 <sup>3</sup> / <sub>16</sub> "
321001D	Straight jaw	1/2"	1 <sup>1</sup> / <sub>4</sub> "
321001E	Straight jaw	1/2"	1 <sup>5</sup> / <sub>16</sub> "
321001F	Straight jaw	1/2"	1 <sup>3</sup> / <sub>8</sub> "
321001G	Straight jaw	1/2"	1 <sup>7</sup> / <sub>16</sub> "
321001H	Straight jaw	1/2"	1 <sup>1</sup> / <sub>2</sub> "
321001I	Straight jaw	1/2"	1 <sup>5</sup> / <sub>8</sub> "
321001J	Straight jaw	1/2"	1 <sup>11</sup> / <sub>16</sub> "
321001K	Straight jaw	1/2"	1 <sup>3</sup> / <sub>4</sub> "
321001L	Straight jaw	1/2"	1 <sup>13</sup> / <sub>16</sub> "
321001M	Straight jaw	1/2"	1 <sup>7</sup> / <sub>8</sub> "
321001N	Straight jaw	1/2"	2"



301191



301465



301420



321001

**CROWFOOT WRENCH SETS**

STRAIGHT JAW

Part No.	Description	Size	Pieces
301191	Metric straight jaw crowfoot wrench set 3/8" Sq. Dr.	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26mm	15
301465	Metric straight jaw crowfoot wrench set 1/2" Sq. Dr.	27, 29, 30, 32, 33, 34, 35, 36, 38, 41, 43, 46, 48, 48, 50mm	14
301420	Imperial straight jaw crowfoot wrench set 3/8" Sq. Dr.	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	11
321001	Imperial straight jaw crowfoot wrench set 1/2" Sq. Dr.	1 <sup>1</sup> / <sub>16</sub> ", 1 <sup>1</sup> / <sub>8</sub> ", 1 <sup>3</sup> / <sub>16</sub> ", 1 <sup>1</sup> / <sub>4</sub> ", 1 <sup>5</sup> / <sub>16</sub> ", 1 <sup>3</sup> / <sub>8</sub> ", 1 <sup>7</sup> / <sub>16</sub> ", 1 <sup>1</sup> / <sub>2</sub> ", 1 <sup>5</sup> / <sub>8</sub> ", 1 <sup>11</sup> / <sub>16</sub> ", 1 <sup>3</sup> / <sub>4</sub> ", 1 <sup>13</sup> / <sub>16</sub> ", 1 <sup>7</sup> / <sub>8</sub> ", 2"	14

## SPANNERS & WRENCHES

### CROWFOOT WRENCHES

#### FLARED JAW

- Manufactured from high grade industrial drop forged, heat treated chrome molybdenum steel
- Available individually or as a set



301669



Part No.	Jaw Style	Square Drive	Size	Part No.	Jaw Style	Square Drive	Size	Part No.	Jaw Style	Square Drive	Size
301383	Flared jaw	3/8"	8mm	301392	Flared jaw	3/8"	17mm	301373	Flared jaw	3/8"	1/2"
301384	Flared jaw	3/8"	9mm	301393	Flared jaw	3/8"	18mm	301374	Flared jaw	3/8"	9/16"
301385	Flared jaw	3/8"	10mm	301394	Flared jaw	3/8"	19mm	301375	Flared jaw	3/8"	5/8"
301386	Flared jaw	3/8"	11mm	301395	Flared jaw	1/2"	21mm	301376	Flared jaw	3/8"	11/16"
301387	Flared jaw	3/8"	12mm	301396	Flared jaw	1/2"	22mm	301377	Flared jaw	3/8"	3/4"
301388	Flared jaw	3/8"	13mm	301397	Flared jaw	1/2"	24mm	301378	Flared jaw	1/2"	13/16"
301389	Flared jaw	3/8"	14mm	301370	Flared jaw	3/8"	5/16"	301379	Flared jaw	1/2"	7/8"
301390	Flared jaw	3/8"	15mm	301371	Flared jaw	3/8"	3/8"	301380	Flared jaw	1/2"	15/16"
301391	Flared jaw	3/8"	16mm	301372	Flared jaw	3/8"	7/16"	301381	Flared jaw	1/2"	1"

### CROWFOOT WRENCH SETS

#### FLARED JAW

Part No.	Description	Size	Pieces
301574	Metric flared jaw crowfoot wrench set 3/8" Sq. Dr.	10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm	10
321086	Metric flared jaw crowfoot wrench & extension bar set 1/2" & 3/4" Sq. Dr. (Satin Chrome)	33, 36, 38, 41, 46, 50mm Extensions: 1/2" x 125mm, 3/4" x 100mm	8
301669	Imperial flared jaw crowfoot wrench set 3/8" & 1/2" Sq. Dr.	3/8", 7/16", 1/4", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"	10



## WORKSHOP GENERAL

### FEELER GAUGES

- Ideal for precisely measuring clearances
- Easy to read etching on blades enables efficient referencing
- Manufactured from high quality steel for strength, durability and accuracy
- Suitable for automotive and engineering applications
- Extra long blade version available (Part No. 321669)



#### SUMMARY TABLE

SEE PAGE 53 - 54 FOR MORE INFORMATION

Part No.	Description	Size Range	Blade Length	Overall Length
301155	Feeler gauge straight 38 blade - metric & imperial	0.038mm (0.0015") - 0.889mm (0.035")	80mm	90mm
301156	Feeler gauge straight 22 blade dual step - metric & imperial	0.102mm (0.004") - 0.686mm (0.027")	80mm	90mm
301157	Feeler gauge straight cranked 26 blade - metric & imperial	0.127mm (0.005") - 0.762mm (0.030")	80mm	190mm
301158	Feeler gauge tapered 10 blade - imperial	0.0015" - 0.025"	100mm	105mm
301159	Feeler gauge tapered 10 blade - metric	0.04 - 0.63mm	100mm	105mm
301160	Feeler gauge tapered 16 blade - metric & imperial	0.05 (0.002") - 0.38mm (0.015")	100mm	105mm
321669	Feeler gauge straight (extra long) 25 blade - metric & imperial	0.038mm (0.0015") - 1.0mm (0.040")	300mm	305mm



**FEELER GAUGE STRAIGHT**  
METRIC/IMPERIAL 38 BLADE

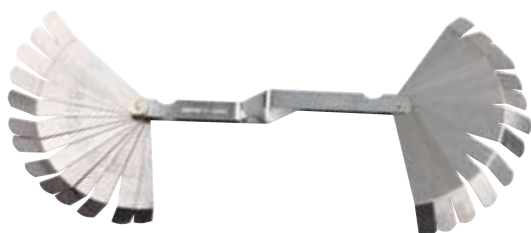
Part No.	Blade Size: Metric (Imperial)			
<b>301155</b>	0.038 (0.0015)	0.254 (0.010) *B	0.457 (0.018)	0.711 (0.028)
	0.051 (0.002)	0.254 (0.010)	0.483 (0.019)	0.737 (0.029)
	0.076 (0.003)	0.279 (0.011)	0.508 (0.020)	0.762 (0.030)
	0.102 (0.004)	0.305 (0.012) *B	0.533 (0.021)	0.787 (0.031)
	0.127 (0.005)	0.305 (0.012)	0.559 (0.022)	0.813 (0.032)
	0.152 (0.006)	0.330 (0.013)	0.584 (0.023)	0.838 (0.033)
	0.178 (0.007)	0.356 (0.014)	0.610 (0.024)	0.864 (0.034)
	0.203 (0.008) *B	0.381 (0.015)	0.635 (0.025)	0.889 (0.035)
	0.203 (0.008)	0.406 (0.016)	0.660 (0.026)	
	0.229 (0.009)	0.432 (0.017)	0.686 (0.027)	

\*B = Brass



**FEELER GAUGE STRAIGHT**  
METRIC/IMPERIAL 22 BLADE DUAL STEP

Part No.	Blade Size: Metric (Imperial)		Blade Size: Metric (Imperial)	
<b>301156</b>	0.102 (0.004) / 0.152 (0.006)		0.381 (0.015) / 0.432 (0.017)	
	0.127 (0.005) / 0.178 (0.007)		0.406 (0.016) / 0.457 (0.018)	
	0.152 (0.006) / 0.203 (0.008)		0.432 (0.017) / 0.483 (0.019)	
	0.178 (0.007) / 0.229 (0.009)		0.457 (0.018) / 0.508 (0.020)	
	0.203 (0.008) / 0.254 (0.010)		0.483 (0.019) / 0.533 (0.021)	
	0.229 (0.009) / 0.279 (0.011)		0.508 (0.020) / 0.559 (0.022)	
	0.254 (0.010) / 0.305 (0.012)		0.533 (0.021) / 0.584 (0.023)	
	0.279 (0.011) / 0.330 (0.013)		0.559 (0.022) / 0.610 (0.024)	
	0.305 (0.012) / 0.356 (0.014)		0.584 (0.023) / 0.635 (0.025)	
	0.330 (0.013) / 0.381 (0.015)		0.610 (0.024) / 0.660 (0.026)	
	0.356 (0.014) / 0.406 (0.016)		0.635 (0.025) / 0.686 (0.027)	



**FEELER GAUGE STRAIGHT CRANKED**  
METRIC/IMPERIAL 26 BLADE

Part No.	Blade Size: Metric (Imperial)			
<b>301157</b>	0.127 (0.005)	0.305 (0.012)	0.483 (0.019)	0.660 (0.026)
	0.152 (0.006)	0.330 (0.013)	0.508 (0.020)	0.686 (0.027)
	0.178 (0.007)	0.356 (0.014)	0.533 (0.021)	0.711 (0.028)
	0.203 (0.008)	0.381 (0.015)	0.559 (0.022)	0.737 (0.029)
	0.229 (0.009)	0.406 (0.016)	0.584 (0.023)	0.762 (0.030)
	0.254 (0.010)	0.432 (0.017)	0.610 (0.024)	
	0.279 (0.011)	0.457 (0.018)	0.635 (0.025)	



**FEELER GAUGE TAPERED**  
METRIC/IMPERIAL 16 BLADE

Part No.	Blade Size: Metric		Blade Size: Imperial	
<b>301160</b>	0.05	0.20	0.002	0.008
	0.08	0.25	0.003	0.010
	0.10	0.30	0.004	0.012
	0.15	0.38	0.006	0.015



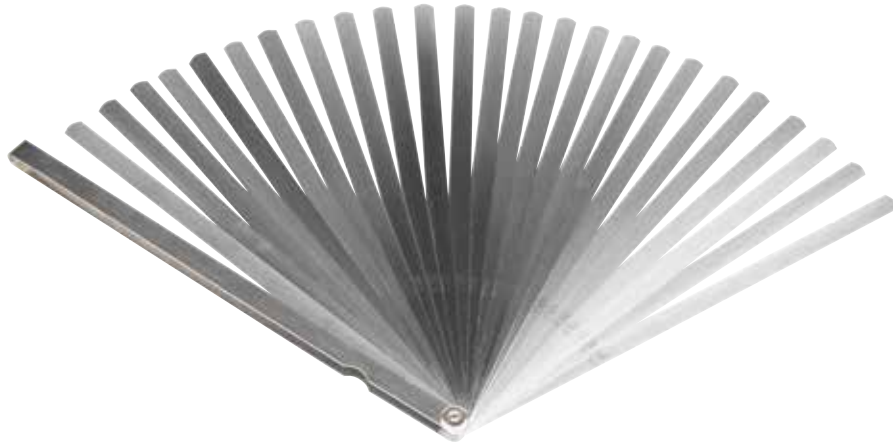
**FEELER GAUGE TAPERED**  
IMPERIAL 10 BLADE

Part No.	Blade Size: Imperial				
<b>301158</b>	0.0015	0.003	0.006	0.01	0.015
	0.002	0.004	0.008	0.012	0.025



**TAPERED FEELER GAUGE**  
METRIC 10 BLADE

Part No.	Blade Size: Metric				
<b>301159</b>	0.04	0.08	0.15	0.30	0.50
	0.06	0.10	0.20	0.40	0.63



**FEELER GAUGE STRAIGHT - EXTRA LONG**  
METRIC/IMPERIAL 25 BLADE

Part No.	Blade Size: Metric (Imperial)					
<b>321669</b>	0.038 (0.0015)	0.152 (0.005)	0.254 (0.009)	0.356 (0.013)	0.457 (0.017)	0.635 (0.025)
	0.051 (0.002)	0.178 (0.006)	0.279 (0.010)	0.381 (0.014)	0.438 (0.019)	0.686 (0.027)
	0.076 (0.003)	0.203 (0.007)	0.305 (0.011)	0.406 (0.015)	0.508 (0.020)	0.762 (0.030)
	0.102 (0.004)	0.229 (0.008)	0.330 (0.012)	0.432 (0.016)	0.533 (0.021)	1.016 (0.040)



321261



321262



301907



301908

**SECURITY SPRING HOOKS/SAFETY LANYARDS**

- Safely and securely keeps tools attached and prevents loss of tools especially when working at heights
- Effective protection against accidents caused by falling tools
- Reduce downtime retrieving fallen tools
- Nickel plated carabiner and ring end, includes additional tool belt loop for additional tethering versatility (Part No. 321261/321262)

Part No.	Description	Capacity	Rest Length	Extended Length
<b>321261</b>	Security spring hook S/S coil PU coated	1kg	230mm	1400mm
<b>321262</b>	Security spring hook S/S coil PU coated	3kg	460mm	1600mm
<b>301907</b>	Security spring hook Nylon bungee style	5kg	800mm	1500mm
<b>301908</b>	Security spring hook Nylon bungee style	10kg	800mm	1500mm





301295



321058



### DEBURRING TOOLS

- Designed for removing internal and external surface burrs following cutting or drilling
- Suitable for materials having spiral chips such as steel, aluminium, copper, and zinc
- Ergonomic handle and versatile swivel blade for manoeuvrability to work at any angle - 301295 is supplied with additional HSS M35 grade blade
- Spares: Replacement blade for 301295 (Part No. 301295A)



### TUBE BENDERS

- Workshop tube benders suitable for aluminium, brass, copper and mild steel tubing
- Knurled handles for maximum grip and comfort
- Simple yet effective operation with built in gauge to ensure accurate bending from 0 - 180° of movement
- Durable metal construction for superior toughness and longevity

Part No.	Description	Blade	Tube Size	Tube Diameter	Spares
<b>301295</b>	Deburring tool 150mm - universal	8mm	-	-	301295A (each)
<b>321058</b>	Deburring tool - master 6 in 1	1	14mm	Ø 2mm	
		2	16mm	Ø 2mm	
		3	18mm	Ø 2mm	
		4	20mm	Ø 2mm	
		5	26mm	Ø 3mm	
		6	32mm	Ø 3mm	

Part No.	Tube Capacity	Overall Length
<b>301034</b>	6, 8, 10mm	260mm
<b>301036</b>	4, 6, 8, 10mm	320mm



301941



301942

### GUARD COVERS MAGNETIC

- Specifically designed to protect paint work and working area during maintenance and repairs
- Conforms to the shape of the vehicle and remains in place by fixing securely with magnets
- Inner skin is a soft, non-scratching PVC sponge leather. Outer skin is made from strong and durable non-scratching vinyl



Part No.	Size
<b>301941</b>	800 x 600mm
<b>301942</b>	1050 x 580mm

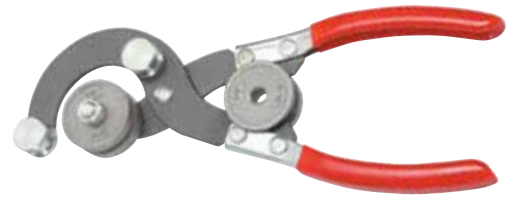


**WINDSCREEN WASHER NEEDLE**  
JET CLEANING

- Double ended windscreen washer cleaning and adjustment tool
- For cleaning and adjustment of windscreen washer nozzle jets
- Enables adjustment to the washer spray direction by using the needle
- Features dual tip with protective caps and handy pocket clip
- Manufactured from steel with knurled body



Part No.	Overall Length
<b>301164</b>	95mm



**TUBE BENDER**  
PLIER STYLE

- Plier style is easy to use and supplied with two roller adaptors
- Roller adaptors lock into place with locating pin
- Suitable for bending copper and steel without kinking or flattening
- Place tube between adaptor and stud then squeeze handle to make the necessary bend



Part No.	Tube Capacity	Overall Length
<b>301698</b>	3/16", 1/4", 5/16", 3/8"	260mm



**GAS STRUT SUPPORT TOOL**  
PLASTIC TIPPED

- Supports and locks onto gas strut shafts to enable worn gas strut to be fixed in the extended position during service
- Features unique plastic moulded end cap to eliminate damage of the strut shaft during use
- Suitable for all gas struts on bonnets, boots or hatchbacks by clamping and locking to the shaft of the strut
- Manufactured with alloy body and brass screw



Part No.	Description
<b>301276</b>	Gas strut tool with safety tag



**WIPER ARM REMOVAL TOOL**

- Universal tool suitable for most light vehicles and commercial vehicles etc
- For the removal of windscreen wiper arms from both tapered and splined spigots
- Compact tool allows easy access in confined spaces
- Eliminates damage to surrounding paintwork and glass
- Prevents damage to wiper arm and spigot



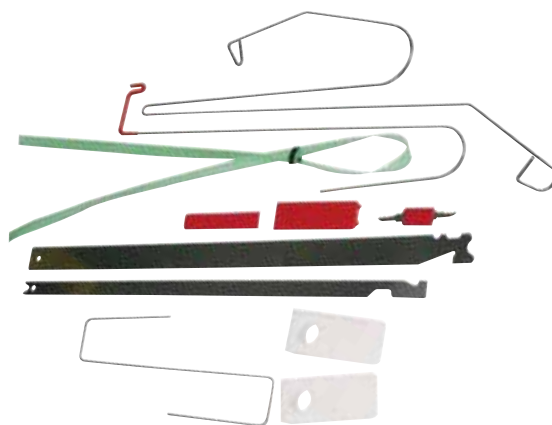
Part No.	Working Height	Jaw Opening	Jaw Depth
<b>301071</b>	26mm	16mm	24mm



**LEATHER PUNCH PLIER**

- For effortless hole punching of leather, plastic and fabrics
- Revolving head with 6 different punch sizes
- Spring loaded design for ease of use and ergonomically designed handles
- Locking latch for safe and easy storage

Part No.	Punch Sizes	Overall Length
<b>321104</b>	2, 2.5, 3, 3.5, 4, 4.5mm	235mm



**VEHICLE LOCK OUT KIT  
UNIVERSAL**

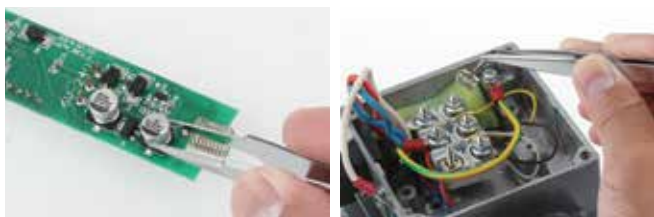
- Suitable for opening a wide range of vehicle makes
- Consult vehicle service, workshop repair instructions prior to use
- Comprehensive professional tool kit of specialty automotive lock out tools
- Supplied in vinyl carry wallet

Part No.	Pieces
<b>301161</b>	12



**TWEEZER SET**

- Set of six stainless steel tweezers varying in style, shape and size
- Suitable for all miscellaneous jobs and tasks around the workshop and in DIY applications



Part No.	Pieces
<b>301678</b>	6



**CAULKING GUN**

- Dispenses sealant, silicone and other popular cartridges in standard size
- Solid steel construction with heavy duty follower spring
- Comfortable grip skeleton style

Part No.	Cartridge Length	Overall Length
<b>301655</b>	Standard size - 232mm	350mm

TOOL STORAGE



301006



301398



301188

STORAGE TRAYS

MAGNETIC

- Magnetic storage trays are essential for all workshops and easily attach to hoists, scissor lifts, steel workbenches etc.
- Ideal for storing and holding small parts, nuts, bolts and screws neatly and securely during dismantle and reassembly

Part No.	Shape	Size	Tray Depth	Magnets
<b>301006</b>	Circle	Ø 150 mm	38mm	1 x Ø 80mm
<b>301398</b>	Rectangle	240 x 140mm	30mm	2 x Ø 80mm
<b>301188</b>	Rectangle	330 x 255mm	30mm	4 x Ø 80mm



301598



301597



301596

SOCKET RAILS

16 PIECE

- Suitable for holding up to 16 standard or deep sockets
- Manufactured from anodized aluminium for rust resistance and durability

Part No.	Socket Square Drive	Overall Length
<b>301598</b>	1/4"	410mm
<b>301597</b>	3/8"	410mm
<b>301596</b>	1/2"	410mm



301167



301108

SPANNER RACK ORGANISERS

- For neat and organised storage of open end, ring or combination spanners
- Built in eyelet mounting holes ideal for wall mounting, shadow boards or tool chest applications
- Manufactured from high impact plastic for superior strength and durability

Part No.	Spanner Capacity	Size
<b>301167</b>	12 Piece	230mm
<b>301108</b>	15 Pieces	300mm



RUBBER MATTING

- Durable non slip rubber mat ideal for lining tool chest drawers or for protection between top chest and roller cabinet
- Prevents tools from moving and causing damage to tools and tool chest surfaces
- Also ideal for applying under mats and rugs to stop any movement

Part No.	Size
<b>301169</b>	1950 x 600mm