



# SHEET METAL PUNCHES

## INSTRUCTIONS FOR USE

### ROUND PUNCHES – 15mm/ $\frac{5}{8}$ in. and over

1. Drill hole to clear Allen screw
2. Insert Allen screw through die and pass screw through hole
3. Screw punch on projecting Allen screw until it makes contact with the metal to be punched
4. The Allen screw is then turned by key and punch will cut cleanly and evenly through metal

### ROUND PUNCHES – 14mm/ $\frac{9}{16}$ in. and below

Operations 1 and 4 as for sizes above

2. Insert Allen screw through punch and pass screw through hole
3. Assemble die onto die nut and screw die nut onto projecting Allen screw until it makes contact with the metal to be punched

### 1 INCH SQUARE HOLE PUNCH (Key B)

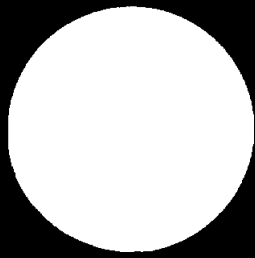
1. Mark out square hole on sheet metal – punch or drill a  $\frac{3}{4}$ in. hole at centre (this may be easily done by drilling  $\frac{5}{16}$ in. hole and using  $\frac{3}{4}$ in. Q-MAX punch)
2. Pass square shank and punch through  $\frac{3}{4}$ in. hole from top of sheet metal and screw Allen screw with washer and die into square shank from underside of metal
3. Now line up punch with edges of scribed hole, insert key into Allen screw and turn screw clockwise – the punch will cut square hole evenly and cleanly through metal

**IT IS ESSENTIAL THAT BOLTS ARE WELL GREASED BEFORE USE**

### SIZES AVAILABLE

KEY		KEY		KEY		KEY	
10mm	5mm MT	32.5mm	10mm MC	$\frac{3}{8}$ "	$\frac{3}{16}$ " T	1"	$\frac{5}{16}$ " B
11mm		34mm		$\frac{7}{16}$ "		$1\frac{1}{16}$ "	
12.5mm	6mm MA	35mm		$\frac{1}{2}$ "	$1\frac{1}{8}$ "		
14mm		37.5mm		$\frac{9}{16}$ "	$1\frac{3}{16}$ "		
15mm		40mm		$\frac{5}{8}$ "	$1\frac{1}{4}$ "		
16mm		45mm		$\frac{11}{16}$ "	$1\frac{3}{8}$ "		
17.5mm		50mm		$\frac{3}{4}$ "	$1\frac{1}{2}$ "		
19mm	8mm MB	51mm	14mm ME	$\frac{13}{16}$ "	$1\frac{5}{8}$ "		
20mm		55mm		$\frac{7}{8}$ "	$1\frac{3}{4}$ "		
21mm		60mm					
22.5mm		64mm		$1\frac{1}{16}$ " Sq.	NO KEY		
24mm		65mm		$\frac{3}{4}$ " Sq.	NO KEY		
25mm		70mm		1" Sq.	KEY B		
27.5mm		75mm					
29mm		76.5mm					
30mm							
31mm							
17 5mm x 24mm		NO KEY	$2\frac{1}{32} \times 1\frac{5}{16}$ "	NO KEY			

OPTIONAL EXTRA – FOR EVEN EASIER OPERATION WE CAN SUPPLY THRUST RACES FOR THE FOLLOWING SIZES 32.5mm – 76.5mm AND 1" – 1 $\frac{3}{4}$ " DIA.



# SHEET METAL PUNCH

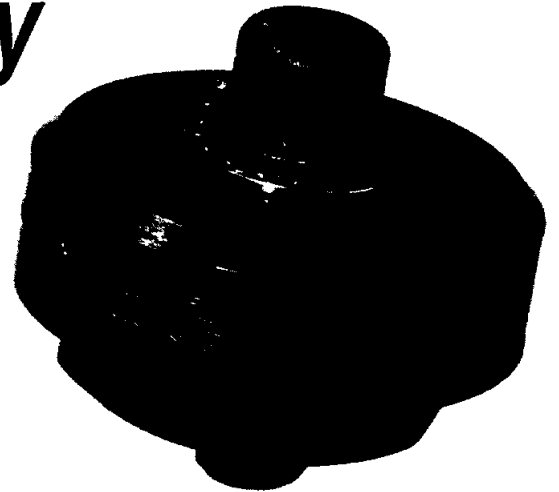
**The hand tool to solve all your hole problems in sheet metal**

***Burr-free accuracy time after time!***

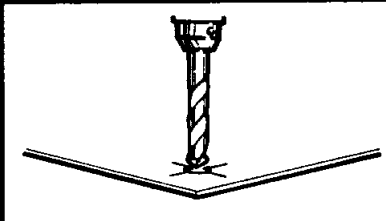
*Q-Max sheet metal punches cut a perfect hole in:*

- ☐ Mild steel up to 16 swg (1.62mm)
- ☐ Stainless steel up to 16 swg
- ☐ Sheet copper, brass and aluminium up to 2.0mm
- ☐ Plus many other sheet materials, ductile plastics etc.

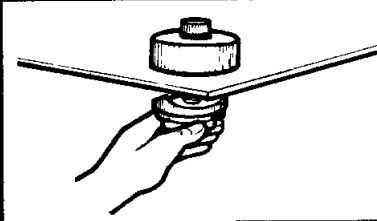
*Q-Max sheet metal punches are ideal on site or in the workshop — they require no power or machinery.*



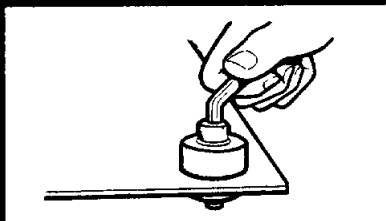
## Quick and simple to use!



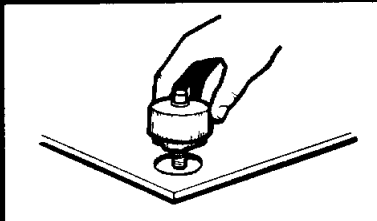
Mark position and drill a hole in the centre large enough to clear the Allen screw of the Q-Max punch you're using.



Insert Allen screw through the hole, pass it through the hole and screw punch on the reverse until it contacts sheet to be punched.



**3** The Allen screw is then turned with an Allen key and the Q-Max punch will cut cleanly and evenly through the sheet.



**4** When the Q-Max punch is free simply lift from the sheet — you have a clean cut, accurate and burr-free hole with no projected edges.

Q-Max sheet metal punches are ideal for:

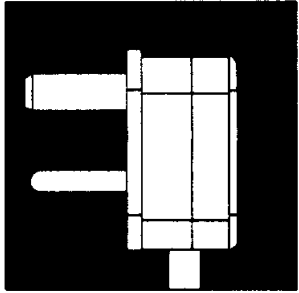
- Electricians
- Electronics Engineers
- Sheet metal workers
- Plumbers
- Vehicle mechanics
- Prototype workshops

Anywhere where clean, accurate, burr-free holes are required.

- ☐ Imperial sizes -  $\frac{3}{8}$ " to  $1\frac{3}{4}$ ", plus **SQUARES & OBLONGS**
- ☐ Metric sizes - 10mm to 76.5mm
- ☐ Every Q-Max is robustly British engineered and heat treated for a long, keen cutting life.
- ☐ Q-Max punches have been used for many years all over the world by government services and private enterprise

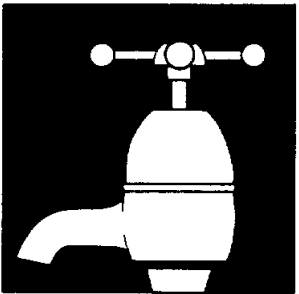


## Guide to popular sizes for different trades



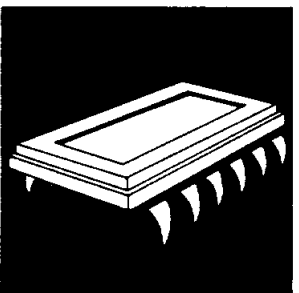
### ELECTRICIANS

- 16mm diameter
- 20mm diameter
- 25mm diameter
- 32.5mm diameter



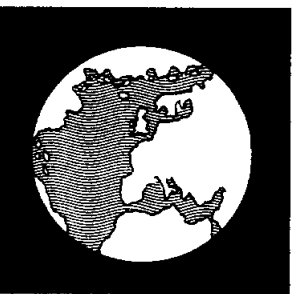
### PLUMBERS

- 16mm diameter
- 21mm diameter
- 22.5mm diameter
- 27.5mm diameter
- 35mm diameter
- 1 1/8" diameter



### ELECTRONIC ENGINEERS

1/2" diameter	19mm diameter
5/8" diameter	20mm diameter
3/4" diameter	22.5mm diameter
1" diameter	25mm diameter
12.5mm diameter	50mm diameter
16mm diameter	



### CONTINENTAL TRADES

19mm diameter	35mm diameter
21mm diameter	37.5mm diameter
22.5mm diameter	
32.5mm diameter	
34mm diameter	

Q-Max SIZES AVAILABLE			
Imperial (Round)		Metric (Round)	
3/8"	1 1/2"	10.0mm	31.0mm
7/16"	1 5/8"	11.0mm	32.5mm
1/2"	1 3/4"	12.5mm	34.0mm
9/16"	2" (now 51mm)	14.0mm	35.0mm
5/8"	2 1/2" (now 64mm)	15.0mm	37.5mm
1 1/16"	2 5/8"	16.0mm	40.0mm
3/4"	2 3/4" (now 70mm)	17.5mm	45.0mm
13/16"	3" (now 76.5mm)	19.0mm	50.0mm
7/8"		20.0mm	51.0mm
15/16"	(now 24mm)	21.0mm	55.0mm
1"		22.5mm	60.0mm
1 1/16"		24.0mm	64.0mm
1 1/8"		25.0mm	65.0mm
1 3/16"		27.5mm	70.0mm
1 1/4"		29.0mm	75.0mm
1 5/8"		30.0mm	76.5mm
Imperial (Square)		Metric (Square)	
1 1/16" square		16.7 x 23.8mm rectangle	
3/4" square		17.5 x 24.0mm rectangle	
1" square		17.5mm square	
2 1/32" x 1 5/16" rectangle		19.0mm square	
		25.4mm square	

Thrust race available for even easier operation in the following punch sizes:

Imperial: 1" to 1 3/4" dia.  
Metric: 32.5mm to 76.5mm dia.

**THIS RANGE IS CONSTANTLY BEING UPDATED  
OTHER SIZES ARE AVAILABLE  
PLEASE ENQUIRE**



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