Q-MAX SHEET METAL PUNCHES

INSTRUCTIONS FOR USE

ROUND PUNCHES – 15mm/$^{5}/_{8}$ 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/$^{9}/_{16}$ 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 ¾in. hole at centre (this may be easily done by drilling $^{5}/_{16}$in. hole and using ¾in. Q-MAX punch)
2. Pass square shank and punch through ¾in. 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
10mm	5mm MT
11mm	
12.5mm	6mm MA
14mm	
15mm	
16mm	
17.5mm	
19mm	8mm MB
20mm	
21mm	
22.5mm	
24mm	
25mm	
27.5mm	
29mm	
30mm	
31mm	

	KEY
32.5mm	10mm MC
34mm	
35mm	
37.5mm	
40mm	
45mm	
50mm	
51mm	14mm ME
55mm	
60mm	
64mm	
65mm	
70mm	
75mm	
76.5mm	

	KEY
3/8"	3/16" T
7/16"	
1/2"	7/16 A
9/16"	
5/8"	
11/16"	
3/4"	
13/16"	
7/8"	
11/16" Sq.	NO KEY
3/4" Sq.	NO KEY
1" Sq.	KEY B

	KEY
1"	5/16" B
1 1/16"	
1 1/8"	
1 3/16"	
1 1/4"	
1 3/8"	
1 1/2"	
1 5/8"	
1 3/4"	

17 5mm x 24mm NO KEY

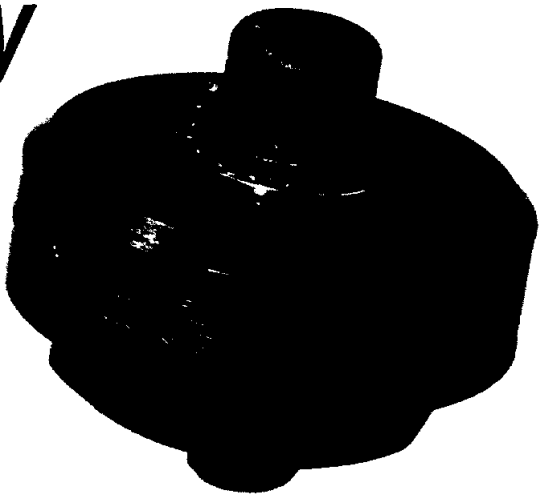
21/32 x 15/16" NO KEY

OPTIONAL EXTRA – FOR EVEN EASIER OPERATION WE CAN SUPPLY THRUST RACES FOR THE FOLLOWING SIZES 32.5mm – 76.5mm AND 1" – 1¾" DIA.

Q-MAX SHEET METAL PUNCH

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

Burr-free accuracy time after time!

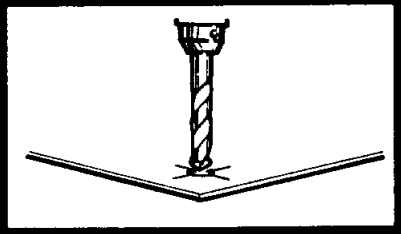


Q-Max sheet metal punches cut a perfect hole in:

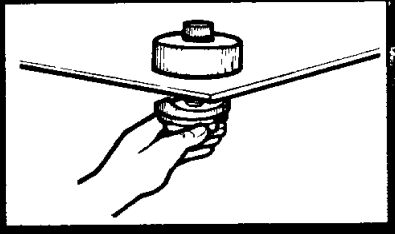
- ☐ *Mild steel up to 16 swg (1.62mm)*
- ☐ *Stainless steel up to 16 swg*
- ☐ *Sheet copper, brass and aluminium up to 2.0mm*
- ☐ *Plus many other sheet materials, ductile plastics etc.*

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

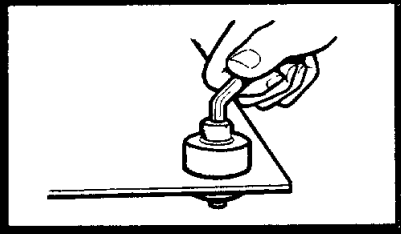
Quick and simple to use!



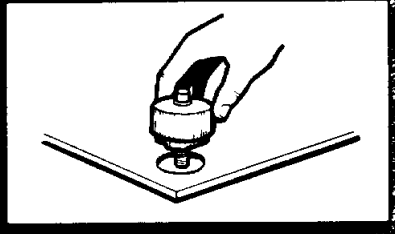
Mark position and drill a hole in the centre large enough to clear the Allen screw of the Q-Max punch you're using.



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



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



4 When the Q-Max punch is freely sprung lifted from the sheet — you have a clean cut, accurate and burr-free hole with no ragged edges.

Q-Max sheet metal punches are ideal for:

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

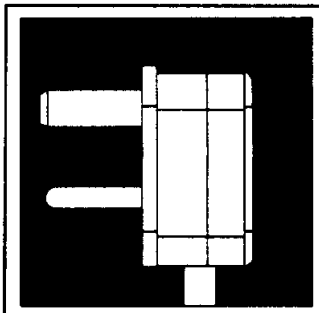
Anywhere where clean, accurate, burr-free holes are required.

- ☐ **Imperial sizes - 3/8" to 1 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

Q MAX BRITISH ENGINEERING

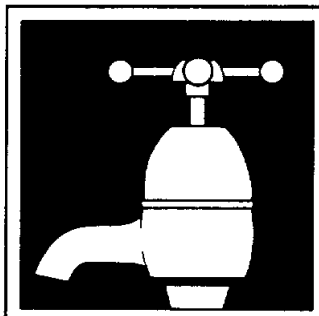
SHEET METAL PUNCHES

Guide to popular sizes for different trades



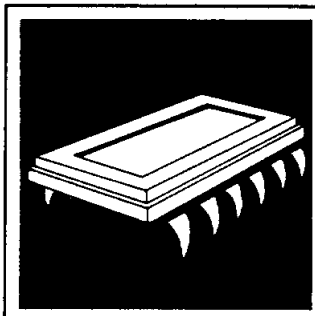
ELECTRICIANS

16mm diameter
20mm diameter
25mm diameter
32 · 5mm diameter



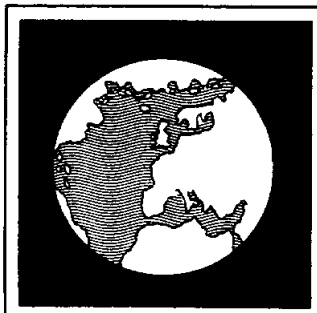
PLUMBERS

16mm diameter
21mm diameter
22 5mm diameter
27 5mm diameter
35mm diameter
1⅛" diameter



ELECTRONIC ENGINEERS

½" diameter
⅝" diameter
¾" diameter
1" diameter
12 · 5mm diameter
16mm diameter
19mm diameter
20mm diameter
22 5mm diameter
25mm diameter
50mm diameter



CONTINENTAL TRADES

19mm diameter
21mm diameter
22 5mm diameter
32 5mm diameter
34mm diameter
35mm diameter
37 5mm diameter

Q-Max SIZES AVAILABLE

Imperial (Round)		Metric (Round)	
⅜"	1½"	10 0mm	31.0mm
7/16"	1⅝"	11.0mm	32 5mm
½"	1¾"	12.5mm	34 0mm
9/16"	2" (now 51mm)	14.0mm	35 0mm
⅝"	2½" (now 64mm)	15.0mm	37 5mm
11/16"	2⅝"	16.0mm	40 0mm
¾"	2¾" (now 70mm)	17 5mm	45 0mm
13/16"	3" (now 76.5mm)	19 0mm	50 0mm
⅞"		20.0mm	51.0mm
15/16"	(now 24mm)	21.0mm	55 0mm
1"		22 5mm	60.0mm
1 1/16"		24 0mm	64.0mm
1⅛"		25 0mm	65.0mm
1 3/16"		27 5mm	70.0mm
1¼"		29.0mm	75.0mm
1⅜"		30 0mm	76.5mm

Imperial (Square)	Metric (Square)
11/16" square	16 7 x 23 8mm rectangle
¾" square	17 5×24 0mm rectangle
1" square	17.5mm square
21/32"×15/16" rectangle	19.0mm square
	25.4mm square

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

Imperial: 1" to 1¾" dia.
Metric: 32.5mm to 76.5mm dia.

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

Q MAX BRITISH ENGINEERING

SHEET METAL PUNCHES

Q-Max Electronics (Division of The Simcup Co Ltd)
Bilton Road, Bletchley, MILTON KEYNES MK1 1HW, England