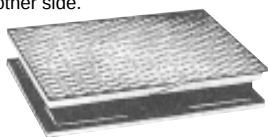


Lapping Bench Plate

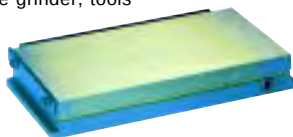
- Precision ground on one side, ground on the other side.
- Made of casting iron.
- Size: 10"x14"x2-3/4"



Size	Order No.
Size: 10"x14"x2-3/4"	640-0000

Dense Permanent Magnetic Chucks

Dense permanent magnetic chuck can be used for processing various magnetic conduction work pieces, especially thin and small pieces, in surface grinder, tools grinder and electric sparks machine tools.



Dimensions	Order No.
4 x 7"	285-0160
5 x 10"	285-0170
6 x 12"	285-0180
6 x 18"	285-0190
8 x 24"	285-0200

Powerful Permanent Magnetic Chucks

Powerful permanent magnetic chuck has a magnetic strength of 12 - 15 kg/cm, suitable for powerful milling and grinding.



Dimensions	Order No.
4 x 7"	285-0300
6 x 12"	285-0310
8 x 20"	285-0370
10 x 15"	285-0390

Precision Sine Plates

- Squareness & Parallelism: 0.0002".
- Hardened steel.



Size	Order No.
4x4x2"	647-7580
6x6x2-1/4"	647-7590

Magnetic Sine Plates

Using ceramic permanent magnets which cannot be demagnetized, these magnetic Sine Plates are designed for the precise angular positioning and holding of small or odd-shaped workpieces. Fine pole division permits more uniform magnetic holding. Sine plate angles lock rigidly with locking strap. Removable handle included for on-off.



Dimension	Center dist. of Rolls	Order No.
4x4x4-5/8"	3" Within .0002"	647-5544
6x6x4-5/8"	5" Within .0002"	647-5566

Circular Permanent Magnetic Chucks

Circular permanent magnetic chuck is used for holding work pieces in grinder, lathe and bench work.



Dia.	Order No.
6"	285-1206
8"	285-1208
10"	285-1210
12"	285-1211

Big Type Punch Formers

One-Way

This Punch Former is applicable on surface grinder or universal grinder to clamp puncher within $\phi 70$ mm for grinding various shapes.

Main Parameters:

Center height: 150mm
Clamping diameter in V-slot: 70mm
Travel of V-block: 25mm
Quantity of teeth: 24



OrderNo.287-6812

Two-Way

- It can shape quickly and precisely, with the moving function and fixing block for oval grinding.
- The fine tuning function can adjust center accurately. Using the fixing block and folding down the screw when mouse much, can grind oval workpiece conveniently.

Main Parameters:

Center height: 150mm
Clamping diameter in V-slot: 70mm
Travel of V-block: 35mm
Transverse travel of slide: +/-35mm
Quantity of teeth: 24



OrderNo.287-6813

Collet Punch Former

- Clamping diameter: $\phi 2-\phi 20$ mm
- Supply ER32 collete size: 4, 6, 8, 10, 12, 16, 20, 7Pcs in total
- For workpiece diameter smaller than 4mm, use shank 20mm/ER16 collet chuck
- It clamps workpiece quickly and steadily when processing without checking the center



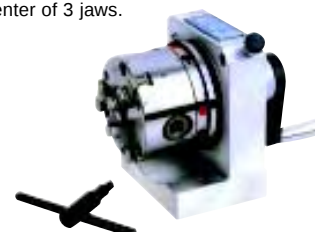
OrderNo.287-6808

3-Jaws Punch Former

This Punch Former is attached with 3 jaws which can hold workpieces quickly and conveniently. It can also adjust center of 3 jaws.

Main Parameters:

3 jaws hole diameter 16mm
Min clamping diameter 2mm
Max clamping diameter 70mm



OrderNo.287-6807