

Hole Punches — continued

Manubench



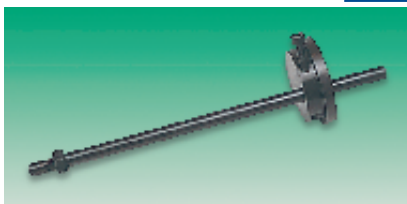
- A sturdy workbench (pictured above) designed for general production and development workshops
- Pre drilled (and plugged with removable grommets) to accept the Manupress and a 4 inch bench vice (Order Code 105-207)

| | | | |
|-----------|-----------|------|--------------|
| Height | 840mm | Base | 680 748mm |
| Bench top | 680 527mm | Tray | 430 655 38mm |

175X

| Mfrs. List No. | Order Code | 1+ | 3+ | 6+ | Price Each |
|----------------|------------|----|----|----|------------|
| 960-0000 | .149-344 | | | | |

Side Stop and Back Stop



- Back stop fits either side of the press frame and acts as a work support and back stop
- Side stop fits either side of the press and is vertically and horizontally adjustable

| | Mfrs. List No. | Order Code |
|-----------|----------------|------------|
| Side stop | 901-0020 | 149-397 |
| Back stop | 901-0010 | 149-398 |

177X

| Order Code | 1+ | 4+ | 20+ | Price Each |
|------------|----|----|-----|------------|
| .149-397 | | | | |
| .149-398 | | | | |

Rectangular Punches and Dies



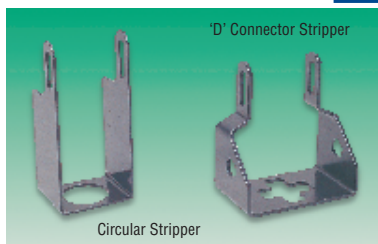
- Range of useful rectangular punches and dies suitable for many rocker switches and IEC panel mounting connectors
- Manufactured in case hardened steel to the same high tolerances as the circular punches and dies

Use die holder 903-0030 (Order Code 149-387)

180X

| Size | Mfrs. List No. | Order Code | 1+ | 4+ | 20+ | Price Each |
|-----------|----------------|------------|----|----|-----|------------|
| 13.7 11.1 | 906-0010 | .149-373 | | | | |
| 15.9 13.0 | 906-0020 | .149-374 | | | | |
| 28.2 22.5 | 906-0030 | .149-375 | | | | |
| 28.4 11.4 | 906-0040 | .149-376 | | | | |
| 28.0 21.0 | 906-0050 | .149-377 | | | | |
| 29.4 22.0 | 906-0060 | .149-378 | | | | |

Strippers



- Stripper separates the workpiece from the punch after each operation
- Supplied with fixing screws

| | Aperture | Mfrs List No. | Order Code |
|---------------|-----------|---------------|------------|
| Circular | 16.5 dia | 902-0010 | 149-388 |
| | 22.5 dia | 902-0020 | 149-389 |
| | 31.75 dia | 902-0030 | 149-390 |
| 'D' Connector | 37.0 13.7 | 902-0050 | 149-391 |
| | 67.2 16.5 | 902-0060 | 149-392 |

| Aperture | Order Code | Price Each | | |
|-------------------------|------------|------------|----|-----|
| | | 1+ | 4+ | 20+ |
| Circular | | | | |
| 16.5 | .149-388 | | | |
| 22.5 | .149-389 | | | |
| 31.75 | .149-390 | | | |
| 'D' Connector | | | | |
| 37.0 13.7, 9/15 way | .149-391 | | | |
| 67.2 16.5, 25/37/50 way | .149-392 | | | |

181X

Boxed Sets of Punches and Dies



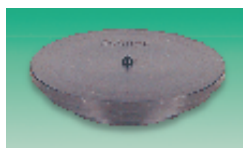
- Two boxed sets of circular punches and dies
- Thirteen piece set (3 – 12mm)
- Seven piece set (12.5 – 27.5mm)
- Housed in strong stove enamelled boxes with hinged lids
- The 149-431 also includes a stripper plate

| | Mfrs List No. | Order Code |
|-----------------------|---------------|------------|
| 13 Piece 3 – 12mm dia | 907-0010 | 149-431 |
| 7 Piece 12.5 – 27.5 | 902-0010 | 108-177 |

182X

| Diameter | Order Code | 1+ | 4+ | 20+ | Price Each |
|-------------|------------|----|----|-----|------------|
| 3 – 12 | .149-431 | | | | |
| 12.5 – 27.5 | .108-177 | | | | |

Centring Point

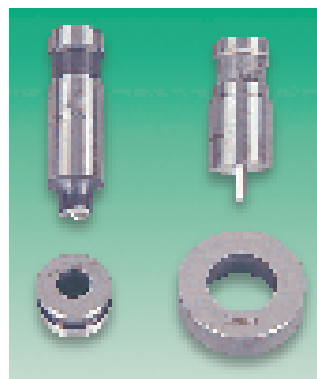


- Fits into the central hole of the press and has a centre point from which side and backstop references can be made

183X

| Mfrs. List No. | Order Code | 1+ | 4+ | 20+ | Price Each |
|----------------|------------|----|----|-----|------------|
| 901-0030 | .149-399 | | | | |

Circular Punches and Dies
Tool Steel



3 to 12mm
Use die holder 5563-6 (Order Code 149-385)
Stripper 5514-02 (Order Code 149-388)

12.5 to 25.
Use die holder 5518-1 (Order Code 149-386)
Stripper (12.5-16.5) 5514-02 (Order Code 149-388)
(20.0-25) 5535-02 (Order Code 149-390)G

Spring loaded centring pin