



## KNOCKOUT PUNCH & DIES (MADE IN JAPAN)

For use with a hydraulic punch driver. A premium grade of mild & stainless steel punch & dies, both of which are designed to resist wear to ensure accurate holes and long punch life. In Australia they are commonly referred to as chassis punches.

### MILD STEEL ROUND PUNCHES

Made from high grade tool steel, our mild steel punches have 3 cutting crown edges and require less force to pull through than 4 crown punches. The 3 edges also provide excellent stability whilst allowing material to be easily removed from the die after punching.

| Description          | Crown Style Punch                               |                       |
|----------------------|---|-----------------------|
| Type                 | MILD STEEL/BRASS/ALUMINIUM<br>(Max 3.2mm Thick) |                       |
| Round Hole Size (mm) | Model No.                                       | Draw Stud Used        |
| 16.2                 | <b>PD-16.2MS</b>                                | 10-04 OR 30043 – 3/8" |
| 20.4                 | <b>PD-20.4MS</b>                                | 10-04 OR 30043 – 3/8" |
| 22.5                 | <b>PD-22.5MS</b>                                | 10-04 OR 30043 – 3/8" |
| 25.4                 | <b>PD-25.4MS</b>                                | 10-04 OR 30043 – 3/8" |
| 32.5                 | <b>PD-32.5MS</b>                                | 10-05 OR 03294 – 3/4" |
| 40.5                 | <b>PD-40.5MS</b>                                | 10-05 OR 03294 – 3/4" |
| 50.8                 | <b>PD-50.8MS</b>                                | 10-05 OR 03294 – 3/4" |
| 63.5                 | <b>PD-63.5MS</b>                                | 10-05 OR 03294 – 3/4" |



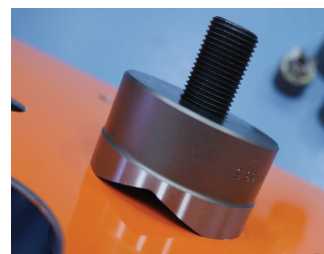
### STAINLESS STEEL ROUND PUNCHES

Made from premium grade oil hardened tool steel.

| Description          | Twin Cutting Edges Cuts Slugs in Half                           |                             |
|----------------------|---|-----------------------------|
| Type                 | STAINLESS STEEL/MILD STEEL/BRASS/ALUMINIUM<br>(Max 3.2mm Thick) |                             |
| Round Hole Size (mm) | Model No.   | Draw Stud Used              |
| 16.2                 | <b>PD-16.2SS</b>  | 30043 – 3/8" (1.6mm Thick)  |
| 20.4                 | <b>PD-20.4SS</b>  | 29451 – 7/16" (2.5mm Thick) |
| 22.5                 | <b>PD-22.5SS</b>  | 29451 – 7/16" (2.5mm Thick) |
| 25.4                 | <b>PD-25.4SS</b>  | 29451 – 7/16" (2.5mm Thick) |
| 32.5                 | <b>PD-32.5SS</b>  | 29452 – 3/4"                |
| 40.5                 | <b>PD-40.5SS</b>  | 29452 – 3/4"                |
| 50.8                 | <b>PD-50.8SS</b>  | 29452 – 3/4"                |
| 63.5                 | <b>PD-63.5SS</b>  | 29452 – 3/4"                |



| Model No.        | Description  |
|------------------|--|
| <b>PD-SET-MS</b> | Mild Steel Punch & Die Set, Includes 7 Sizes: 16.2, 20.4, 22.5, 25.4, 32.5, 40.5 & 50.8mm      |
| <b>PD-SET-SS</b> | Stainless Steel Punch & Die Set, Includes 7 Sizes: 16.2, 20.4, 22.5, 25.4, 32.5, 40.5 & 50.8mm |



### SQUARE PUNCHES

| Type                  | BRASS/ALUMINIUM/ETC (Max 3.2mm Thick) |                          |
|-----------------------|---------------------------------------|--------------------------|
| SQUARE Hole Size (mm) | Model No.                             | Draw Stud Used *         |
| 25.4                  | <b>PD25.4-SQ</b>                      | 03S0034060 (1/2" X 3/4") |
| 45                    | <b>PD45-SQ</b>                        | 03S0036060               |
| 46                    | <b>PD46-SQ</b>                        | 03S0036060               |
| 68                    | <b>PD68-SQ</b>                        | 03S0036060               |
| 92                    | <b>PD92-SQ</b>                        | 03S0036060               |



\*Note that Square Punches are supplied with Draw Stud