# MATE SALVAGNINI STYLE FULLY GUIDED PØ PERFORATING SYSTEM

**2016** PN

# **WORLDWIDE HEADQUARTERS:**

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mate.com



# MATE SALVAGNINI STYLE FULLY GUIDED PERFORATING SYSTEM

Mate's Salvagnini style fully guided PØ perforating tool is designed specifically for punching smaller hole sizes in the 7 ton stations of Salvagnini punch presses. Designed to accommodate any shape up to 0.492" (12,50) diameter, the system has all the quality Mate features you expect. Punches are made from Mate's specially formulated MPM82<sup>TM</sup> powdered tool steel for superior wear resistance and longest tool life. Tight stripper clearance prevents lateral punch movement for assured, accurate hole punching. Mate's Salvagnini style PØ perforating system is the ideal solution for both the low and high range sizes of the 7 ton station. All Mate Salvagnini style PØ punches, dies and strippers are fully OEM-compatible.

#### **Punches:**

- Premium, specially formulated MPM82<sup>™</sup> powdered tool steel provide incredibly long tool life, even under the most extreme punching conditions.
- High abrasion resistance, high anti-galling properties, plus toughness against chipping.
- Fully guided perforating tool has punch size range to .492" (12,50).
- Punches can be sharpened up to 0.059" (1,49).
- A wide variety of special shape punches can be made to your specifications.
- Nitride treatment, and Maxima<sup>™</sup> and SuperMax<sup>™</sup> coatings available

## **Strippers:**

- Fully guided perforating stripper has unique design to support punch point throughout the punching cycle.
- The stripper is assembled into the upper cartridge.

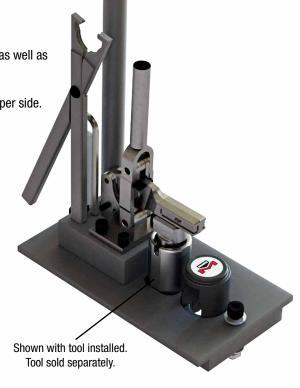
#### **Dies:**

- Standard Salvagnini C station die.
- High speed steel.
- A wide variety of special shapes are available to a clearance of your choice, as well as standard shapes.
- SLUG FREE® dies are available as a no additional cost option
- Specify die clearance as punch size PLUS total clearance, NOT as clearance per side.

### **Assembly Fixture**

- Industries first PØ and P9 assembly and dis-assembly fixture.
- Easy to use. Special pliers to remove round wire rings with ease.
- Safer than a vise or arbor press.
- Small compact size can be mounted on table or held in a vise.









If you would like more information please contact your Mate Representative. You can find your Mate Representative at mate.com.

# **MATE SALVAGNINI STYLE FULLY GUIDED PERFORATING SYSTEM**

# **ORDER GUIDE**

| PART NUMBER                                    | DESCRIPTION           |  |  |
|--|-----------------------|--|--|
| PUNCHES  |                       |  |  |
| PAPT0A   | Round                 |  |  |
| PAPT_A   | Shape                 |  |  |
| FULLY GUIDED STRIPPERS                         |                       |  |  |
| S2PT0A   | Round                 |  |  |
| S2PT_A   | Shape                 |  |  |
| DIES   |                       |  |  |
| DAPC0A   | Round                 |  |  |
| DAPC_A   | Shape                 |  |  |
| COMPLETE UPPER ASSEMBLY                        |                       |  |  |
| (Punch, Fully Guided Stripper, Chuck Assembly) |                       |  |  |
| Round Upper Assembly                           |                       |  |  |
| Standard Shape Upper Assem                     | ıbly*                 |  |  |
| CHUCK ASSEMBLY                                 |                       |  |  |
| MATE02344                                      | Chuck Assembly Round  |  |  |
| MATE02345                                      | Chuck Assembly, Shape |  |  |
| CHUCK ASSEMBLY REPLACEMENT PARTS               |                       |  |  |
| MATE02341                                      | Chuck, Round          |  |  |
| MATE02343                                      | Chuck, Shape          |  |  |
| SPR33443                                       | Spring                |  |  |
| MATE02477                                      | Retaining Ring        |  |  |
| SHC00033                                       | Drawbolt              |  |  |
| ASSEMBLY FIXTURE                               |                       |  |  |
| MATE02484                                      | Complete Assembly     |  |  |











# **AVAILABLE SHEARS**

| STANDARD | OPTIONAL   |
|----------|--|
| Flat     | Rooftop<br>2-Way Concave<br>1-Way<br>4-Way Concave |

# **AVAILABLE OPTIONS**

| GENERAL   |   |  |  |
|---|---|--|--|
| Non-Standard Straight before Radius (SBR) Dimension | add 25% to punch                          |  |  |
| Special Angle Settings                              | add 25% to punch, stripper and die        |  |  |
| Optional Shear                                      | No Charge                                 |  |  |
|   |   |  |  |
| SMALL DIAMETER ROUND TOOLS                          |   |  |  |
| Diameter 0.020(0,51) to 0.061(1,55)                 | add 25% to punch insert                   |  |  |
| Diameter 0.062(1,56) to 0.092(2,34)                 | add 10% to punch insert                   |  |  |
| Special Angle Settings                              | add 25% to punch, stripper and die        |  |  |
|   |   |  |  |
| NARROW WIDTH SHAPE TOOLS                            |   |  |  |
| Widths under 0.079(2,00)                            | add 25% to punch insert, stripper and die |  |  |
|   |   |  |  |
| COATINGS AND TREATMENTS                             |   |  |  |
| SuperMax <sup>™</sup> Coating                       | add to punch                              |  |  |
| Maxima <sup>™</sup> Coating                         | add to punch                              |  |  |
| Nitride Treatment                                   | add to punch                              |  |  |

# **AVAILABLE SHAPES**

| OIIAI EU   |  |
|--|--|
| SPECIAL  |  |
| Arc Oval Arc U-Shape Band aid Break-Away Cable Opening Cable Opening with Tabs Bi-Diameter Tri-Diameter Quad-Diameter Diamond Ellipse Football Keyways Keyholes Parallelogram Pentagon Quad D 2-Way Radius | 9-Way Radius Rect/Oval Double Rectangle Rectangle with Chamfered Corners Rectangle with Rounded Corners Rectangle with Tabs Rectangle with Notch Teardrop Trapezoid Triangle         |
| 4-way naulus   |  |
|  | Arc U-Shape Band aid Break-Away Cable Opening Cable Opening with Tabs Bi-Diameter Tri-Diameter Quad-Diameter Diamond Ellipse Football Keyways Keyholes Parallelogram Pentagon Quad D |







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# **MATE PRECISION TOOLING**

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