

Needles

# Ejector Needles



$\phi 0.7 \bullet \theta 10^\circ \bullet 150\mu R$



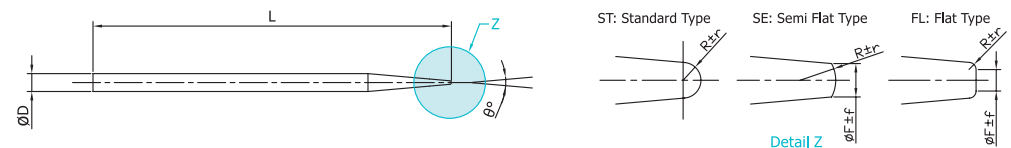
$\phi 0.7 \bullet \theta 15^\circ \bullet 250\mu R$



$\phi 0.7 \bullet \theta 15^\circ \bullet 15\mu R$

We allow you to specify customized materials, diameters ( $\phi D$ ), angles ( $\theta$ ), lengths ( $L$ ), tip radius, and shape (Detail Z).

|          |  |
|----------|--|
| Material | Ultra-hard, high speed steel (HSS), or palladium alloy   |
| Diameter | $\phi 0.4 \bullet \phi 0.5 \bullet \phi 0.64 \bullet \phi 0.7 \bullet \phi 1.0$                |
| Angle    | $8^\circ \bullet 10^\circ \bullet 15^\circ \bullet 20^\circ \bullet 25^\circ \bullet 30^\circ$ |



Tungsten Carbide (minimum lot size: 20 pcs)

| Model number            | Diameter | Tip angle (degrees) | Length | Tip radius ( $\mu R$ ) |
|-------------------------|----------|---------------------|--------|------------------------|
| STD040A100L089R030CA098 | 0.4      | 10                  | 8.9    | 30                     |
| STD070A100L250R025CA016 | 0.7      | 10                  | 25     | 25                     |
| STD070A150L250R025CA017 | 0.7      | 15                  | 25     | 25                     |
| STD070A150L250R050CA018 | 0.7      | 15                  | 25     | 50                     |
| STD070A200L250R075CA019 | 0.7      | 20                  | 25     | 75                     |
| STD070A200L250R100CA031 | 0.7      | 20                  | 25     | 100                    |

HSS (minimum lot size: 20 pcs)

| Model number            | Diameter | Tip angle (degrees) | Length | Tip radius ( $\mu R$ ) |
|-------------------------|----------|---------------------|--------|------------------------|
| STD064A100L150R020HA002 | 0.64     | 10                  | 15     | 20                     |

Palladium alloy (minimum lot size: 20 pcs)

| Model number            | Diameter | Tip angle (degrees) | Length | Tip radius ( $\mu R$ ) |
|-------------------------|----------|---------------------|--------|------------------------|
| STD070A100L215R020TA090 | 0.7      | 10                  | 21.5   | 20-25                  |
| STD070A100L250R020TA099 | 0.7      | 10                  | 25     | 20                     |