

SINGLE POINT CNC VALVE SEAT MACHINES





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2023 TOOLING CATALOG

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SINGLE POINT CUTTING BITS

038174 6 MM EDGE CBN - 3 TIPS



Material: CBN

Edge length: 6 mm

Cutting-bit holder compatibility: PRF-06 range

Geometry: flat

Application: Sintered valve seat machining

Radius value: 0.4 mm



Use with 025163Torx screw T6 (M2x4.9)



(order separately)

038291 6 MM EDGE CERMET - 3 TIPS



Material: Cermet

Edge length: 6 mm

Cutting-bit holder compatibility: PRF-06 range

Geometry: chip-breaker to combine with Longitudinal

machining strategy

Radius value: 0.4 mm

Application: Berrylium and bronze valve seat Aluminium valve seat counterboring



Use with 025163

Torx screw T6 (M2x4.9)



(order separately)

032023 11 MM EDGE CBN - 3 TIPS



Material: CBN

Edge length: 11 mm

Cutting-bit holder compatibility: PRF-11 range

Geometry: flat

Application: Sintered valve seat machining

Radius value: 0.4 mm



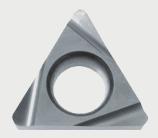
Use with 015762

Torx screw T8 (M2.5x4.9)



(order separately)

038377 11 MM EDGE CERMET - 3 TIPS



Material: Cermet

Edge length: 11 mm

Cutting-bit holder compatibility: PRF-11 range

Geometry: chip-breaker to combine with Longitudinal

machining strategy

Application: Berrylium and bronze valve seat

Aluminium valve seat counterboring



Use with 015762

Torx screw T8 (M2.5x4.9)



(order separately)

TOOLING

025164 T6 PLUS TORX SCREWDRIVER





Screwdriver to tighten the cutting bit screw.

Cutting-bit holder compatibility: PRF-06 range

Use with 025163Torx screw T6 (M2x4.9)



(order separately)

582501 T8 TORX SCREWDRIVER



Screwdriver to tighten the cutting bit screw.

Cutting-bit holder compatibility: PRF-11 range



Use with 015762

Torx screw T8 (M2.5x4.9)



(order separately)

035961 TORQUE LIMITING SCREWDRIVER



1.2 Nm Torque limiting screwdriver body to clamp the pilot in its hydraulic holder.

Combine with 035962 Screwdriver tip

035962 SCREWDRIVER TIP



Screwdriver tip to insert in screwdriver body.

Combine with 035961Torque limiting screwdriver

CUTTING BIT HOLDERS PRF-06

038254 PRF-06-15-S

019809 Clamping screw (CHC M6x12) x 2

Torx screw T6 (M2x4.9) x 1 025163

included

included



6 mm

6 mm

6 mm

6 mm

Machining capacity:

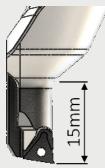
Minimum diameter: 14 mm - 0.551" Maximum diameter: 68 mm - 2.677"

Maximum counterboring depth: 15 mm - 0.59"

Application: Motorcycle, automotive

Compatible with **6 mm** edge cutting bits CSD pilot may be necessary to reach diameters lower

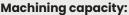
than 19 mm - 0.748"



038271 PRF-06-15

included 019809 Clamping screw (CHC M6x12) x 2

025163 Torx screw T6 (M2x4.9) x 1



Minimum diameter: 19 mm - 0.748" Maximum diameter: 73 mm - 2.874"

Maximum counterboring depth: 15 mm - 0.59"



038274

Automotive, small diesel

Compatible with 6 mm edge cutting bits

PRF-06-30



019809 Clamping screw (CHC M6x12) x 2 included

Torx screw T6 (M2x4.9) x 1 025163

Machining capacity:

Minimum diameter: 19 mm - 0.748" Maximum diameter: 73 mm - 2.874"

Maximum counterboring depth: 30 mm - 1.181"

Application:

Automotive, small diesel

Compatible with 6 mm edge cutting bits



038275 PRF-06-45

Clamping screw (CHC M6x12) x 2 included 019809

included Torx screw T6 (M2x4.9) x 1 025163

Machining capacity:

Maximum diameter: 73 mm - 2.874"

Maximum counterboring depth: 45 mm - 1.771"

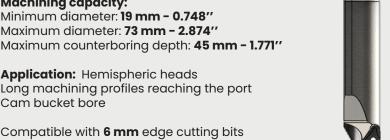
Application: Hemispheric heads

Long machining profiles reaching the port

Cam bucket bore

Compatible with **6 mm** edge cutting bits





CUTTING BIT HOLDERS PRF-11

11 mm

036777 PRF-11-15



019809 Clamping screw (CHC M6x12) x 2

015762 Torx screw T8 (M2.5x4.9) x 1

Machining capacity:

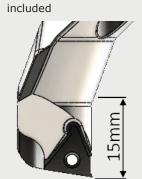
Minimum diameter: 31 mm - 1.220' Maximum diameter: 85 mm - 3.35"

Maximum counterboring depth: 15 mm - 0.59"

Application:

Automotive, heavy duty

Compatible with 11 mm edge cutting bits



038239 PRF-11-30



019809 Clamping screw (CHC M6x12) x 2

015762 Torx screw T8 (M2.5x4.9) x 1

Machining capacity:

Minimum diameter: 31 mm - 1.220' Maximum diameter: 85 mm - 3.35"

Maximum counterboring depth: 30 mm - 1.181"

Application:

Automotive, heavy duty

included

included

included

included



038241 PRF-11-45



019809 Clamping screw (CHC M6x12) x 2

015762 Torx screw T8 (M2.5x4.9) x 1

Machining capacity:

Minimum diameter: 31 mm - 1.220' Maximum diameter: 85 mm - 3.35"

Maximum counterboring depth: 45 mm - 1.771"

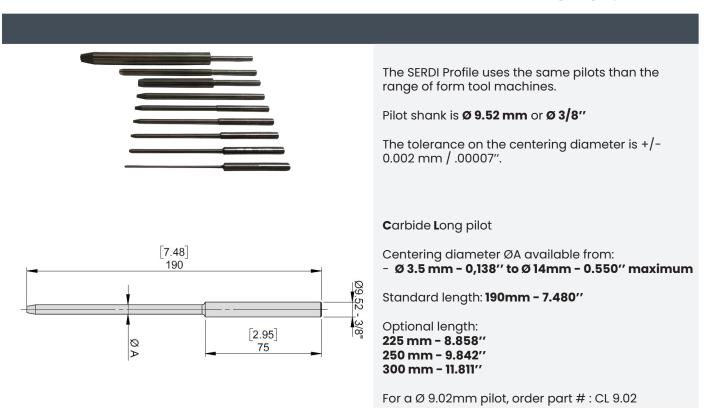
Application:

Hemispheric heads Long machining profiles reaching the port

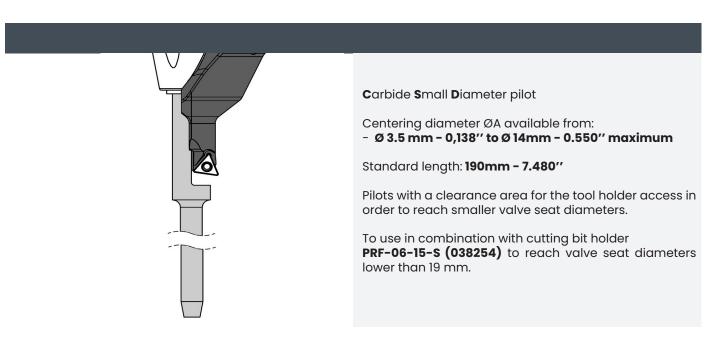
Cam bucket bore

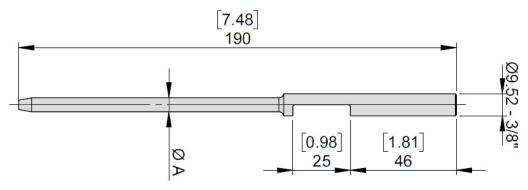


PILOTS CL TYPE



PILOTS CSD TYPE





CONTROL INSTRUMENTS

035075 SERDIGITAL



Digital display micrometer allowing to measure the current diameter position of the tool tip, and to implement it into the machine to set its diameter reference.

Resolution pitch: 0.01 mm / .0005"
Measuring unit system: Metric / Imperial

Display : **Digital liquid crystal**

Electric supply: 3V 2032 CRC battery

Measuring capacity: 0 - 180 mm / 0 - 7.08"

Fits on pilots from Ø 3.5 mm up to Ø 20 mm

036305 RUNOUT GAUGE



Device to insert on a pilot shank after seat machining, to display the runout value. The gauge turns around the pilot and the runout value must be read on one device rotation.

Resolution pitch: 0.01 mm / .0005"
Measuring unit system: Metric / Imperial
Material: Stainless steel and carbide

Measuring capacity: Ø16 – Ø120 mm seat diameter / Ø0.63 – Ø4,724"

Pilot compatibility: Ø9.52 mm (3/8") shank











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