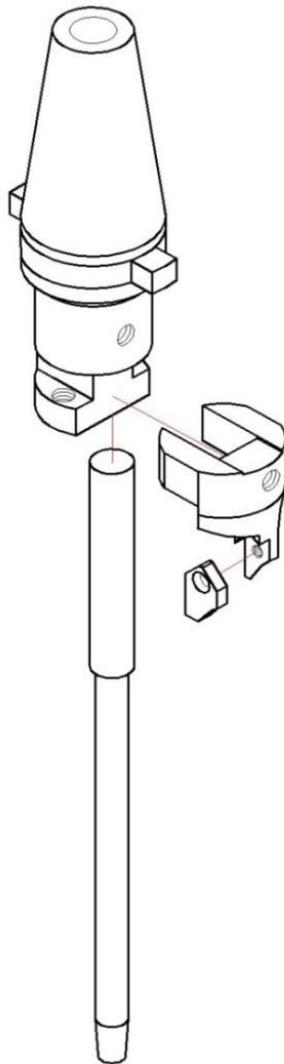




PROVALVE

**CUTTING TOOLINGS
CATALOG**



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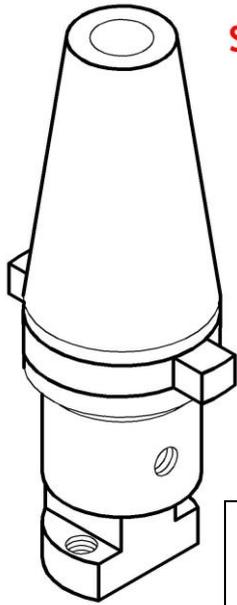
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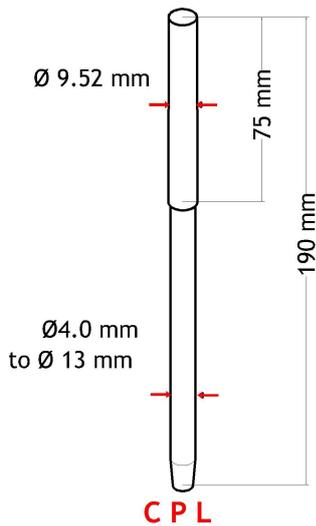
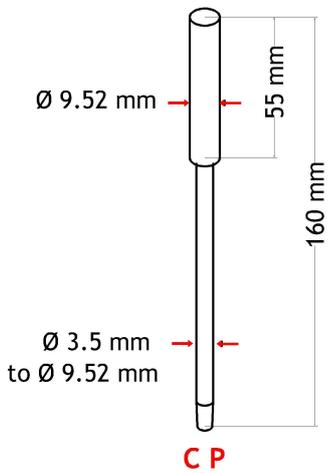
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CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

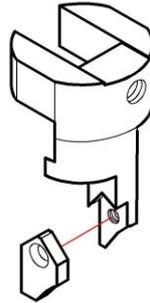


SH-100

Fork width : 12mm
Fork height: 9.5mm
Pilot hole : Ø9.52mm



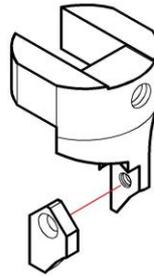
SH-0L



Long type

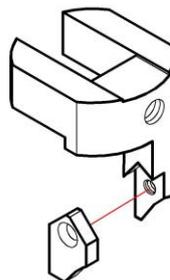
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-0



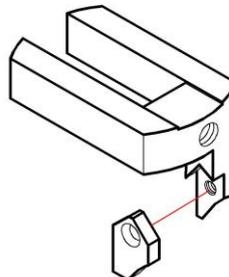
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-1



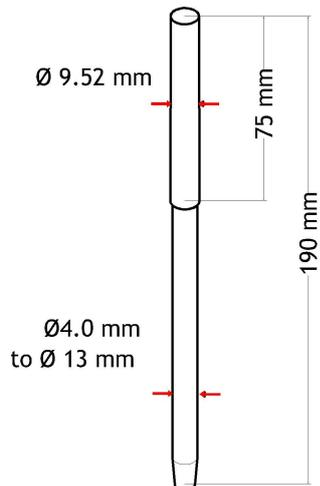
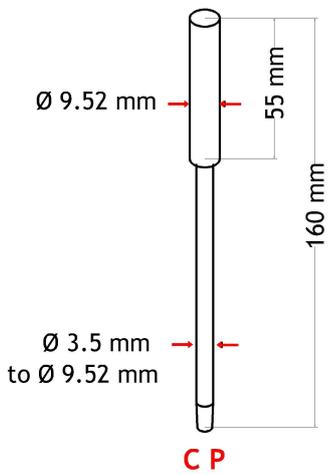
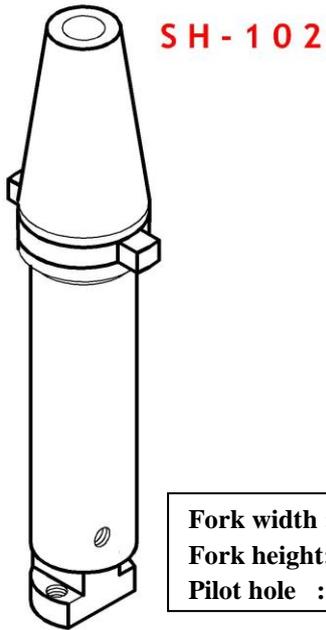
Diameter capacity of valve seat
Ø28 – Ø42 mm

SH-2

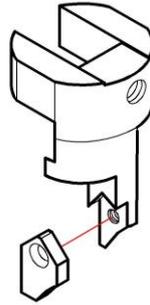


Diameter capacity of valve seat
Ø40 – Ø60 mm

CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING



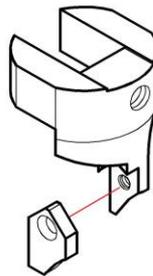
SH-0L



Long type

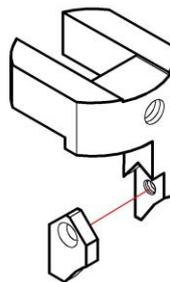
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-0



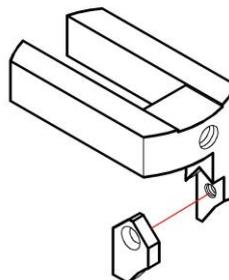
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-1



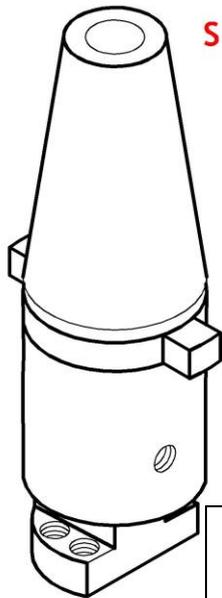
Diameter capacity of valve seat
Ø28 – Ø42 mm

SH-2



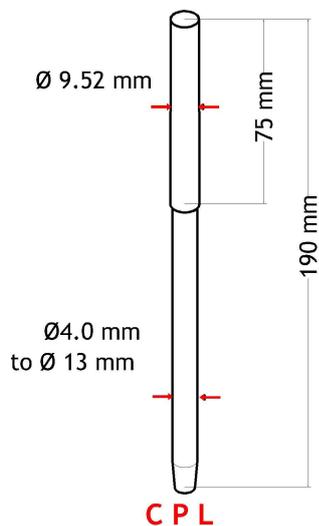
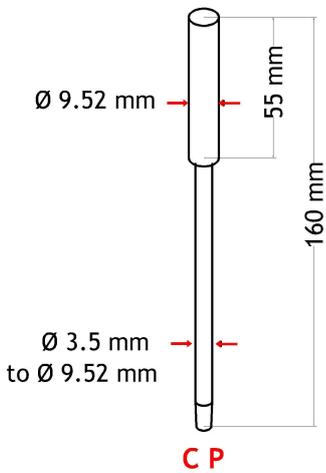
Diameter capacity of valve seat
Ø40 – Ø60 mm

CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

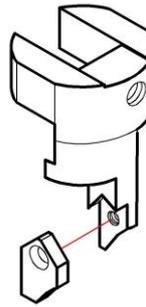


SH-200

Fork width : 12mm
Fork height: 9.5mm
Pilot hole : Ø9.52mm



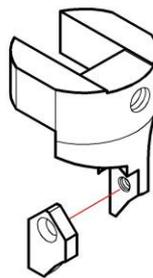
SH-0L



Long type

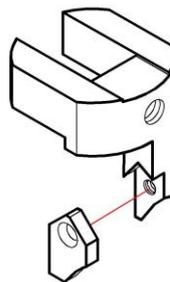
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-0



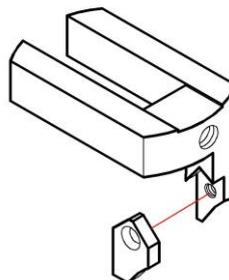
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-1



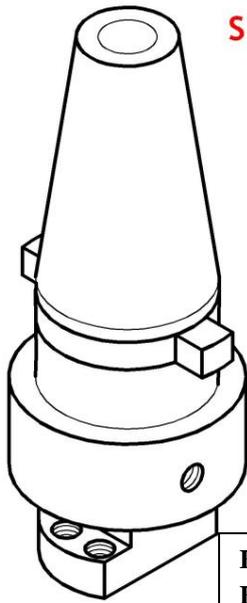
Diameter capacity of valve seat
Ø28 – Ø42 mm

SH-2



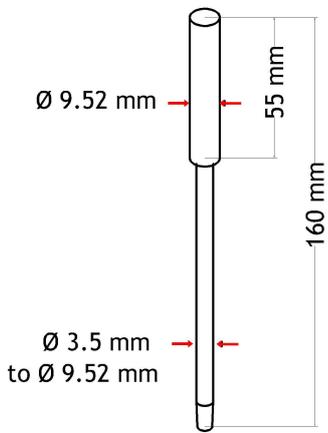
Diameter capacity of valve seat
Ø40 – Ø60 mm

CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

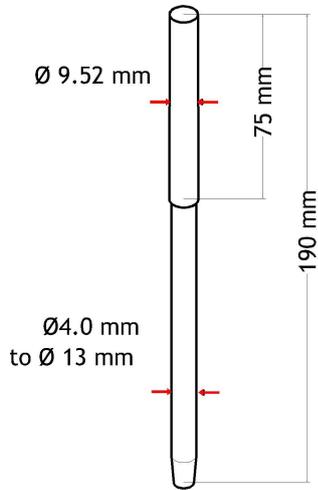


SH-300

Fork width : 14mm
Fork height: 11mm
Pilot hole : Ø9.52mm

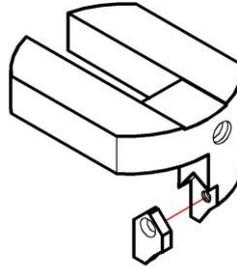


CP



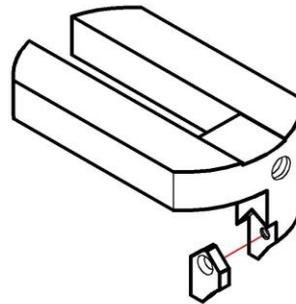
CPL

SH-3



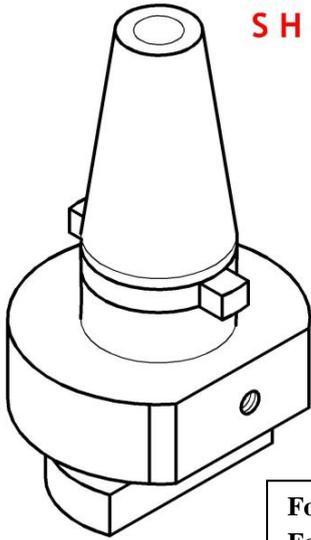
Diameter capacity of valve seat
Ø40 – Ø70 mm

SH-4



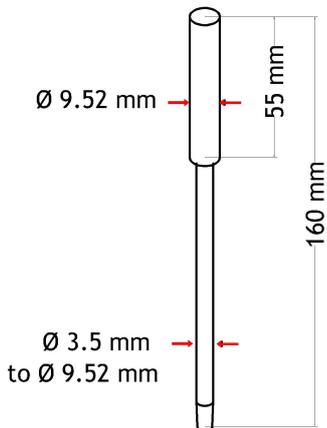
Diameter capacity of valve seat
Ø45 – Ø90 mm

CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

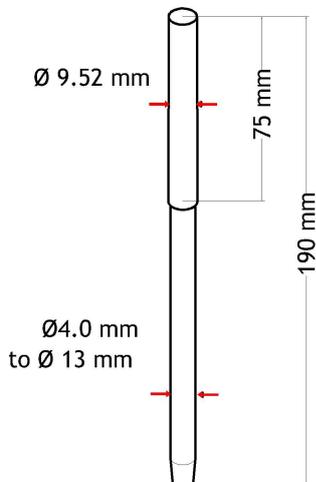


SH-400

Fork width : 14mm
Fork height: 11mm
Pilot hole : Ø9.52mm

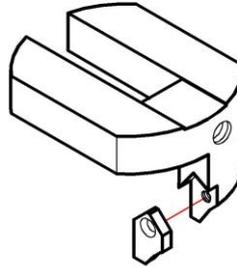


CP



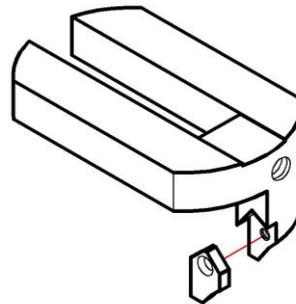
CPL

SH-3



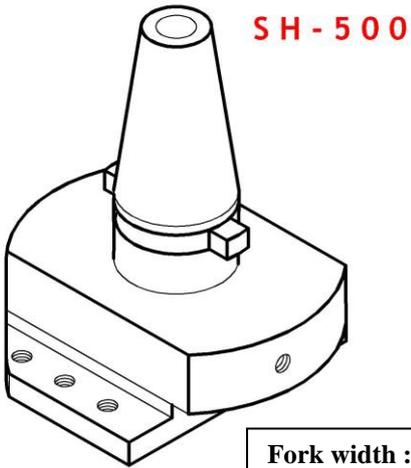
Diameter capacity of valve seat
Ø45 – Ø75 mm

SH-4

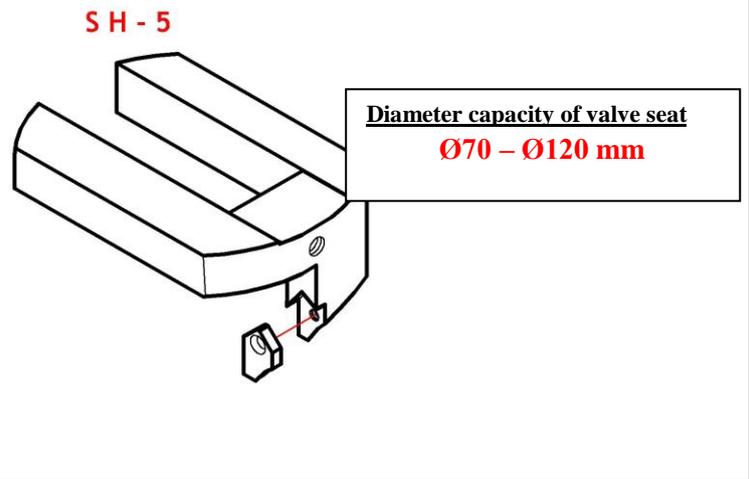
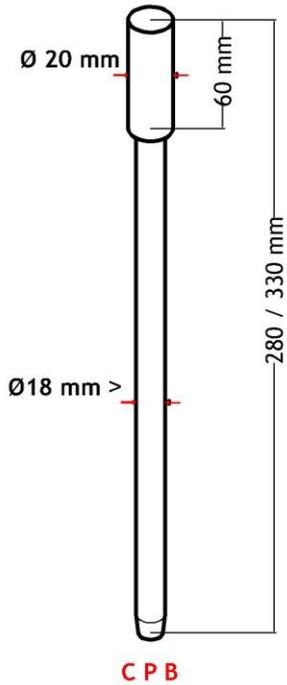


Diameter capacity of valve seat
Ø50 – Ø100 mm

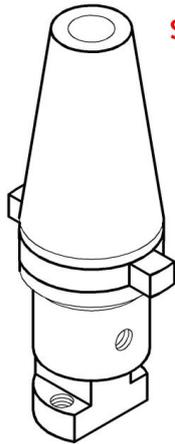
CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING



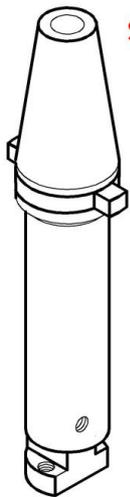
Fork width : 25mm
Fork height: 12mm
Pilot hole : Ø20mm



CUTTING SYSTEM TOOLING RANGE FOR COUNTERBORING MACHINING

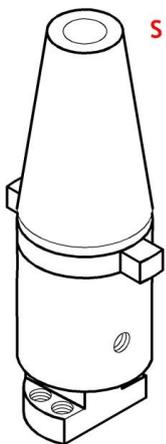


SH-100



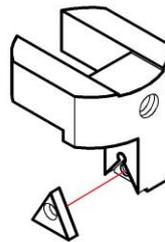
SH-102

Fork width : 12mm
Fork height: 9.5mm
Pilot hole : Ø9.52mm



SH-200

SH-190



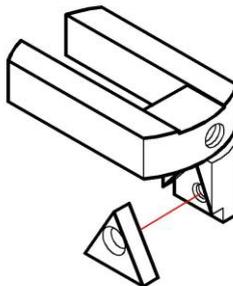
TCMT-11



COUNTERBORING

Ø30 – Ø48 mm

SH-290



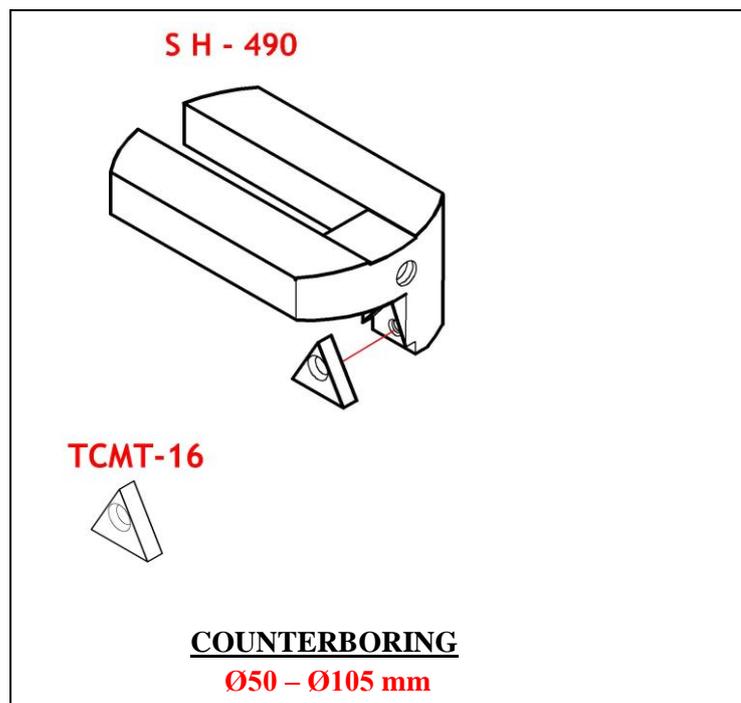
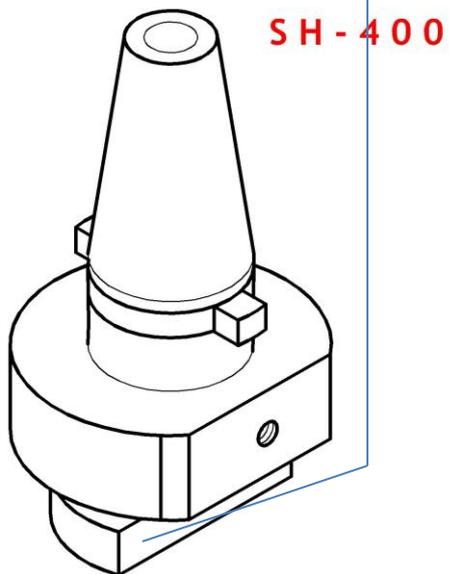
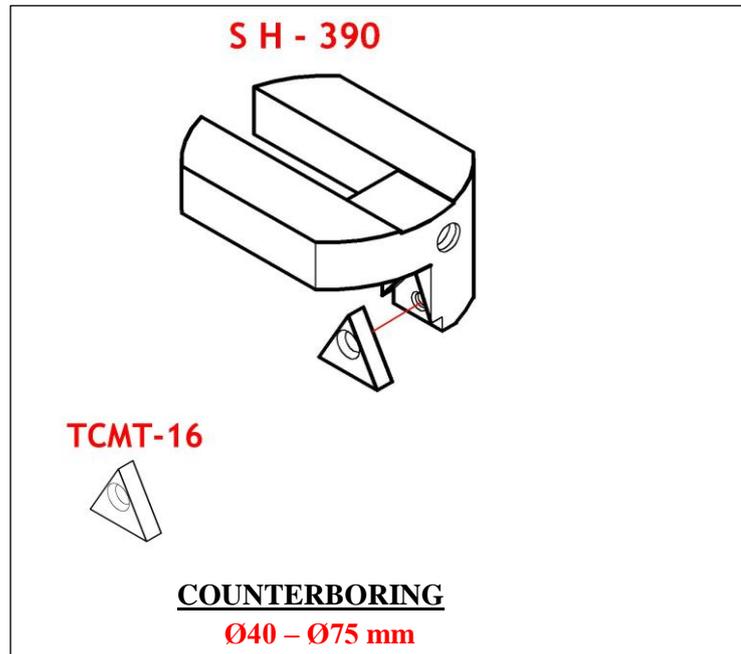
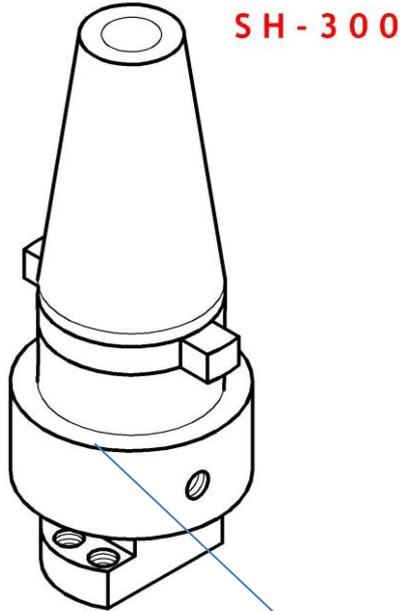
TCMT-16



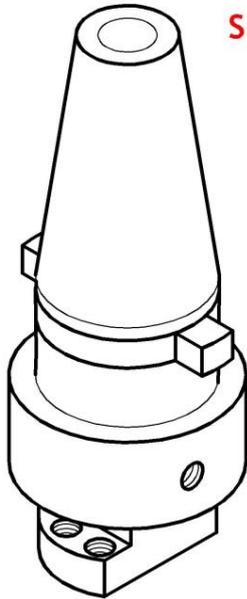
COUNTERBORING

Ø38 – Ø65 mm

CUTTING SYSTEM TOOLING RANGE FOR COUNTERBORING MACHINING

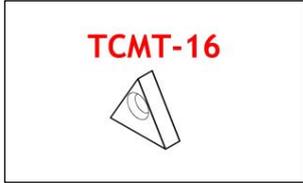


SPECIAL CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING



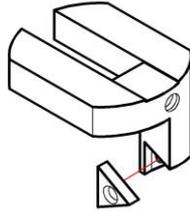
SH - 300

Fork width : 14mm
Fork height: 11mm
Pilot hole : Ø9.52mm



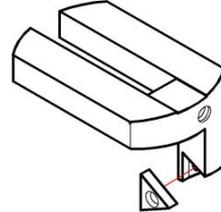
TCMT-16

SH - 320



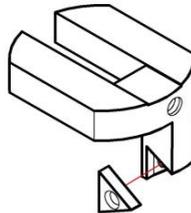
Single Angle : 20°
Ø40 – Ø80 mm

SH - 420



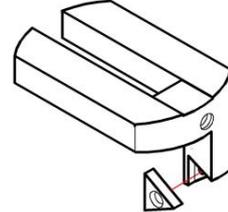
Single Angle : 20°
Ø45 – Ø90 mm

SH - 330



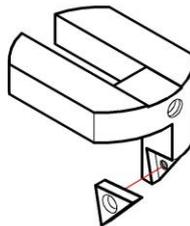
Single Angle : 30°
Ø40 – Ø80 mm

SH - 430



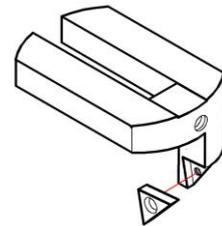
Single Angle : 30°
Ø45 – Ø90 mm

SH - 345



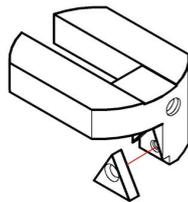
Single Angle : 45°
Ø40 – Ø80 mm

SH - 445



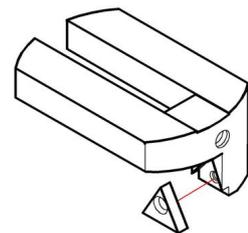
Single Angle : 45°
Ø45 – Ø90 mm

SH - 390



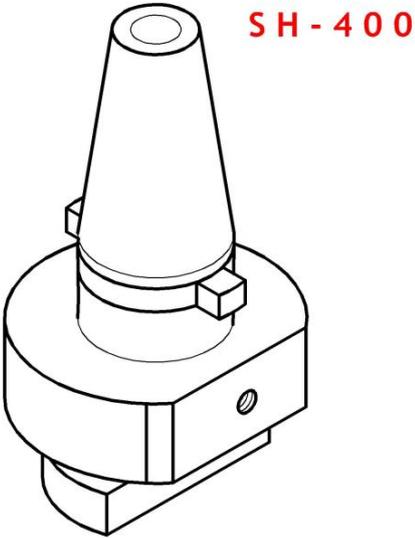
Counterboring
Ø45 – Ø80 mm

SH - 490

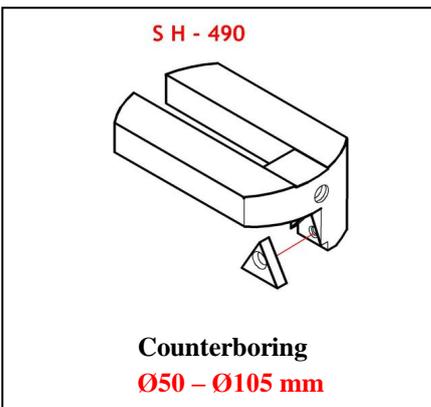
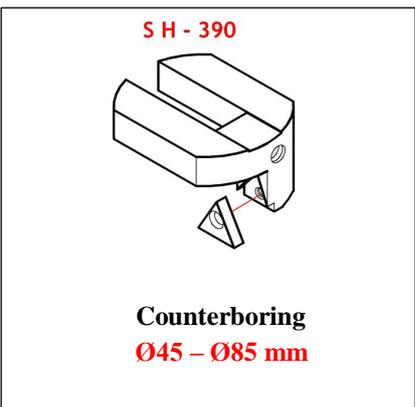
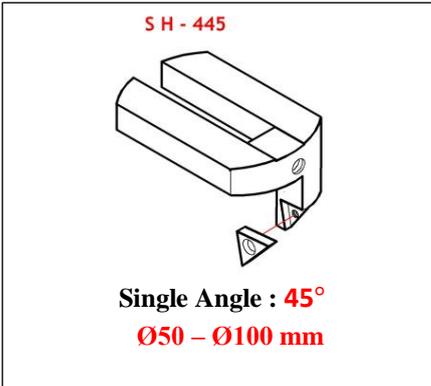
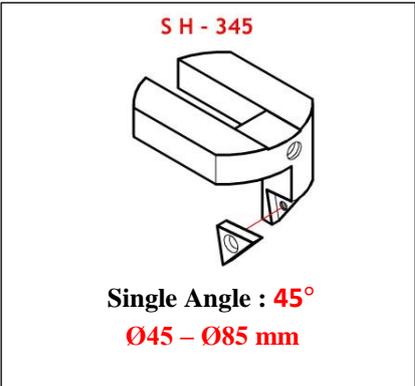
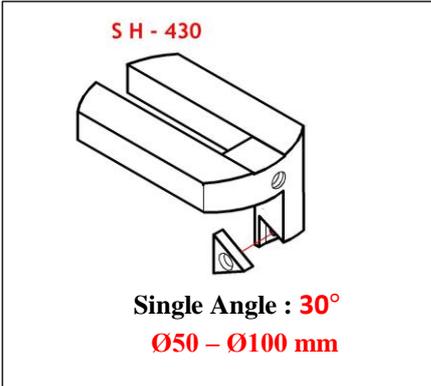
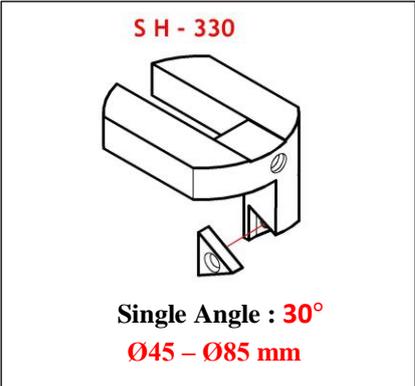
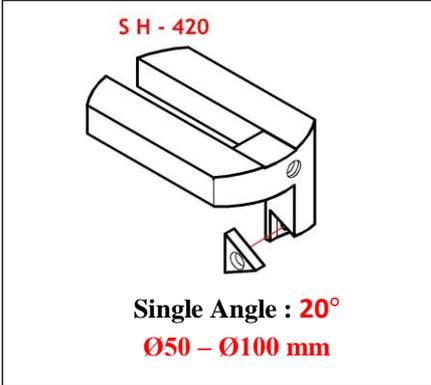
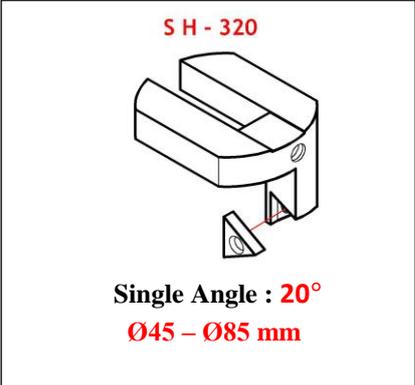
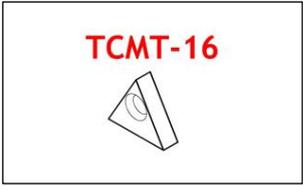


Counterboring
Ø50 – Ø90 mm

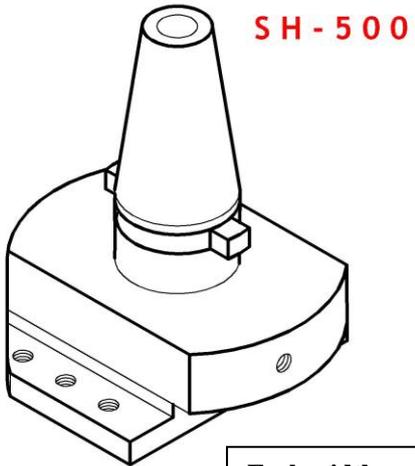
SPECIAL CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING



Fork width : 14mm
Fork height: 11mm
Pilot hole : Ø9.52mm



SPECIAL CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

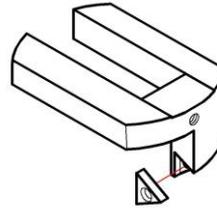


Fork width : 25mm
Fork height: 12mm
Pilot hole : Ø20mm

TCMT-16

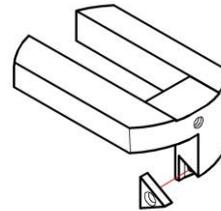


SH - 520



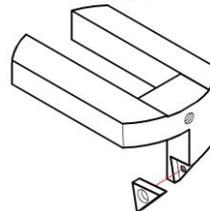
Single Angle : 20°

SH - 530



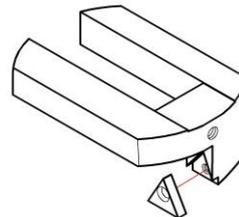
Single Angle : 30°

SH - 545



Single Angle : 45°

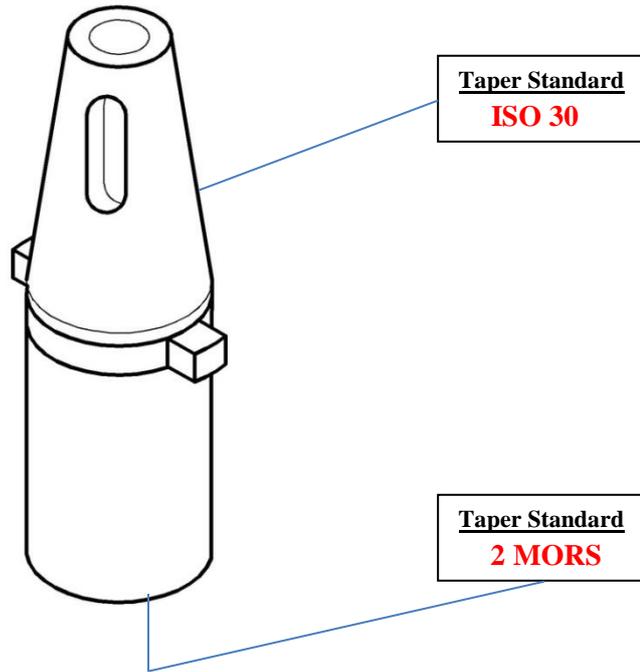
SH - 590



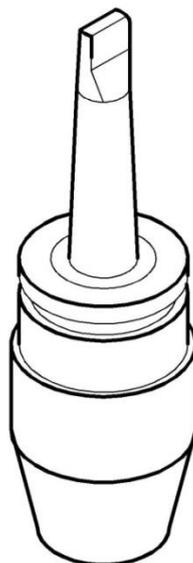
Counterboring

SPECIAL TOOL HOLDERS

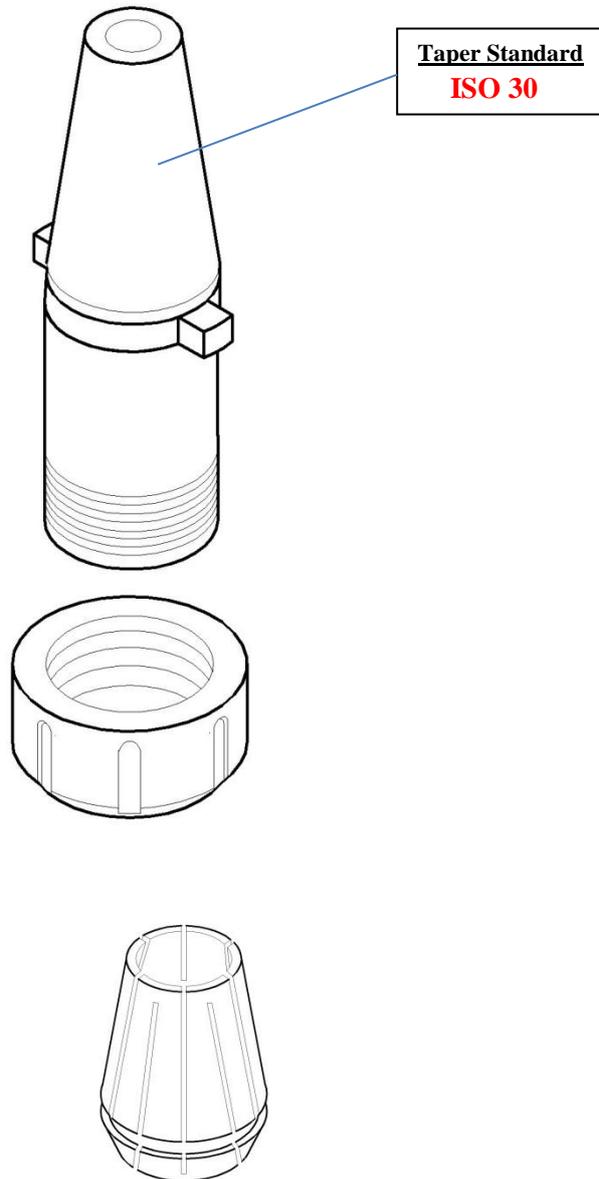
DMH-2



PRECISION DRILL CHUCK



CM-15

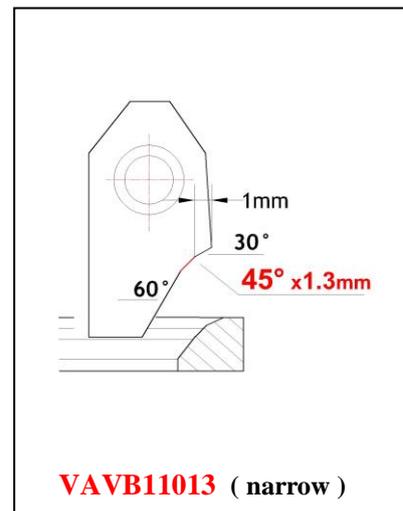
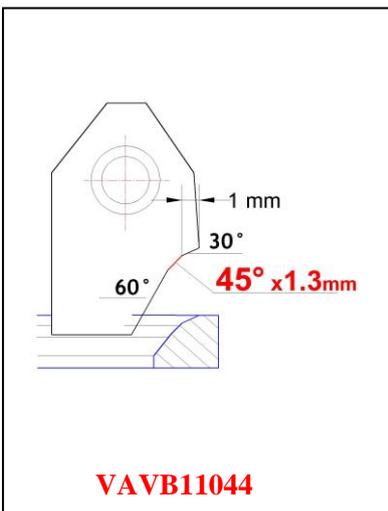
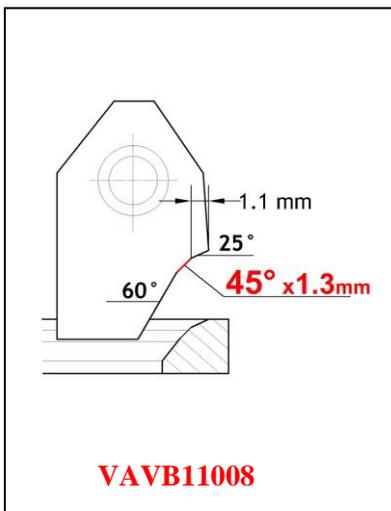
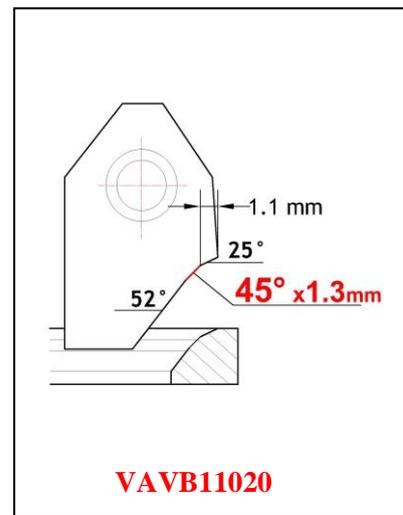
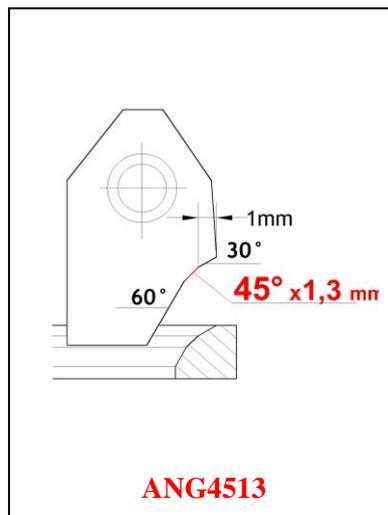
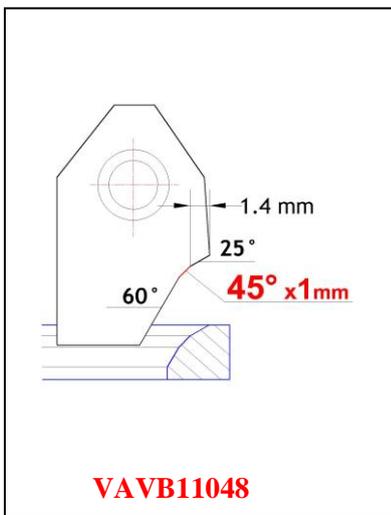
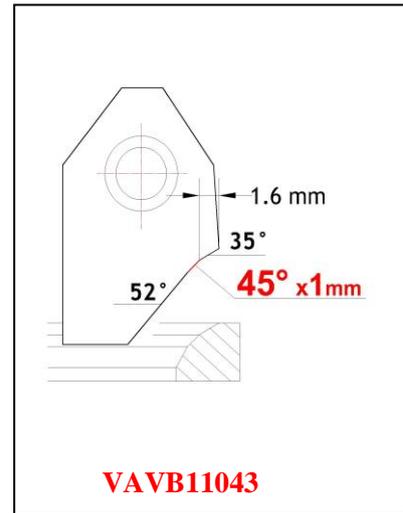
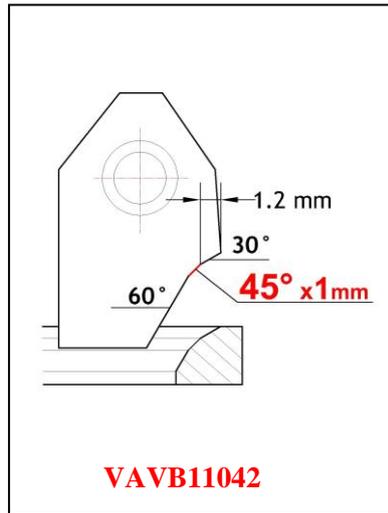
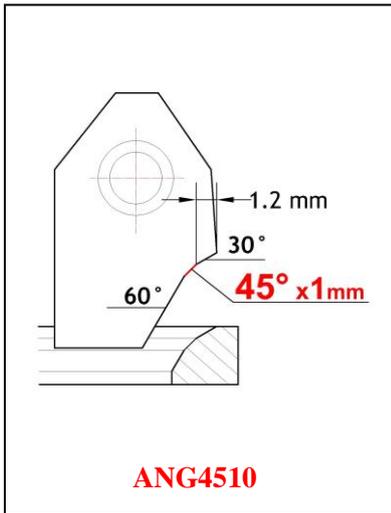


ER-25

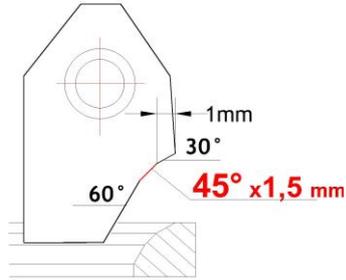
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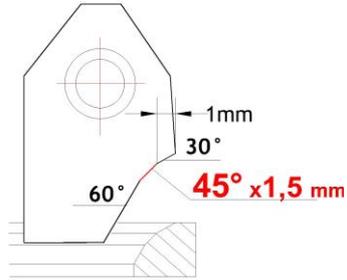
3 ANGLES CARBIDE CUTTING BITS - 45°



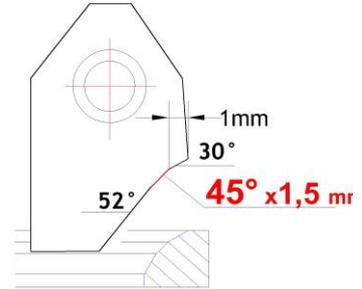
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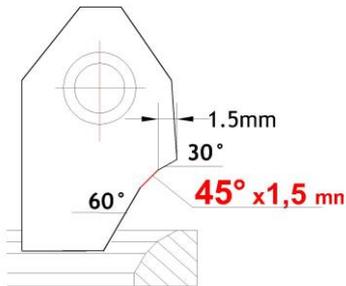
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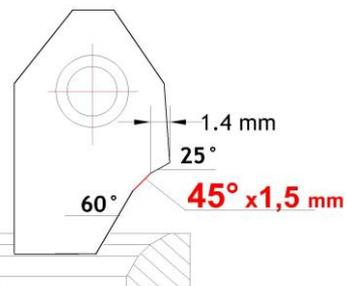
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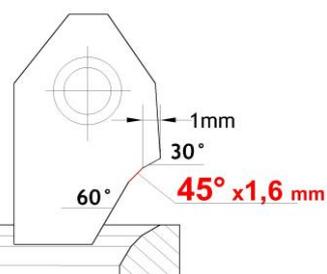
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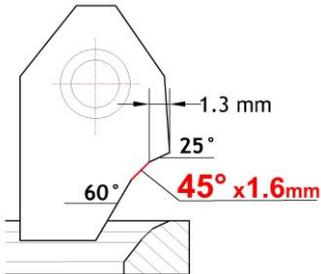
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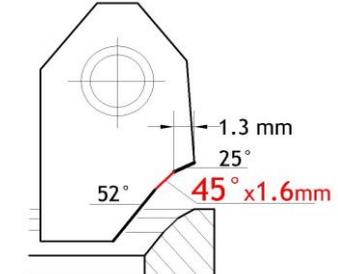
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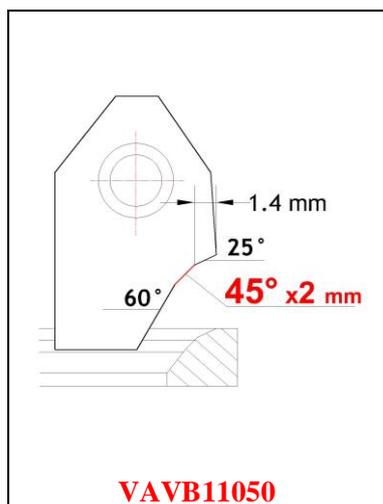
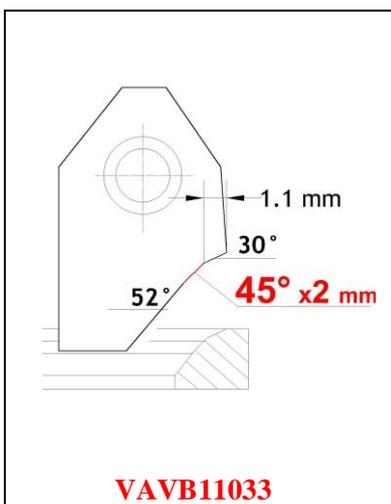
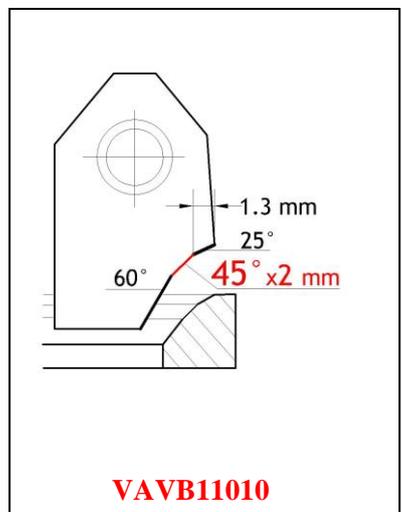
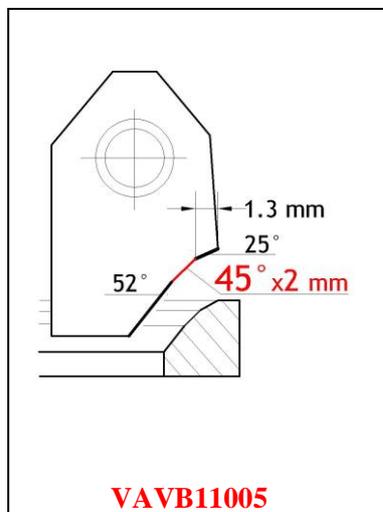
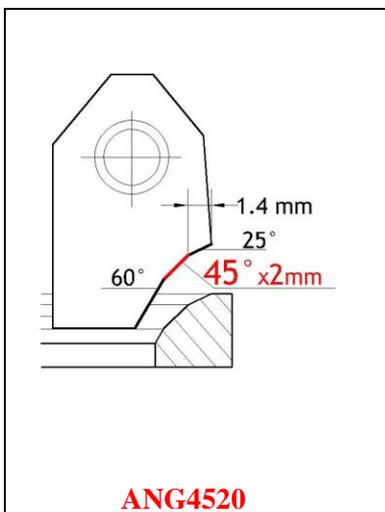
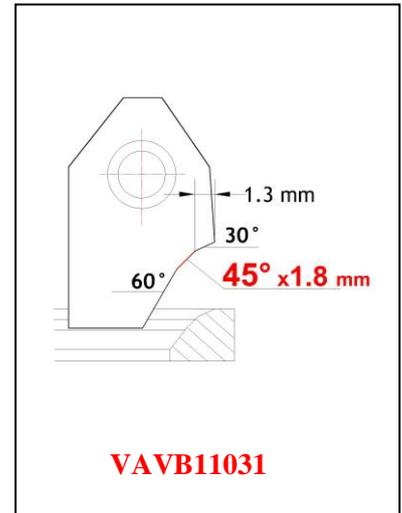
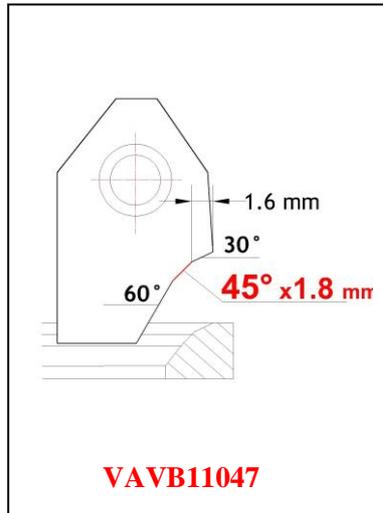
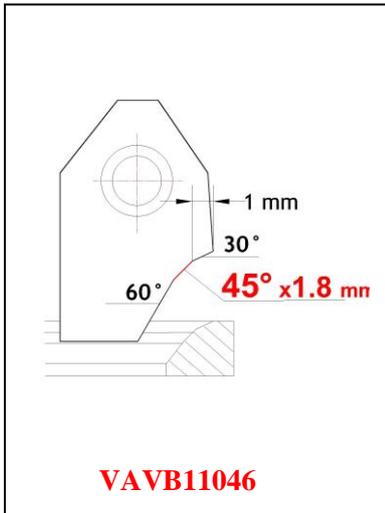


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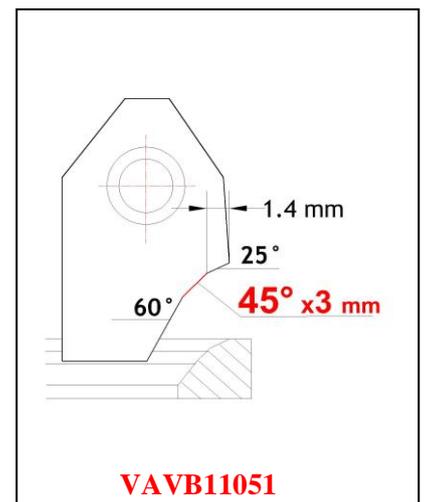
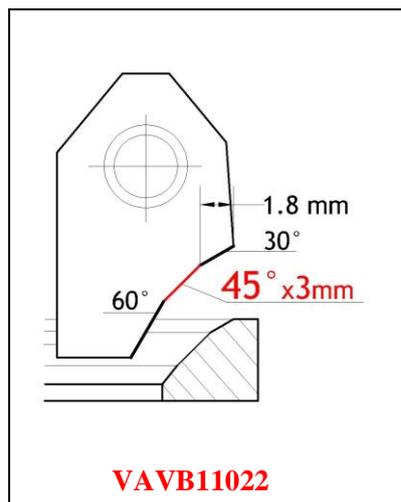
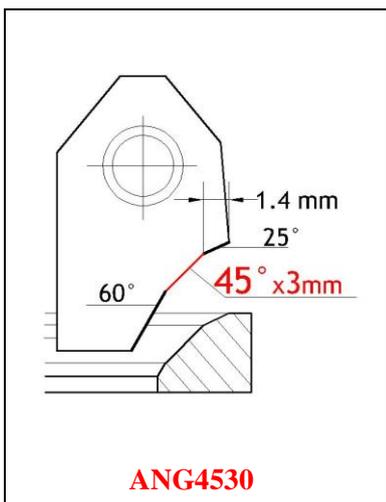
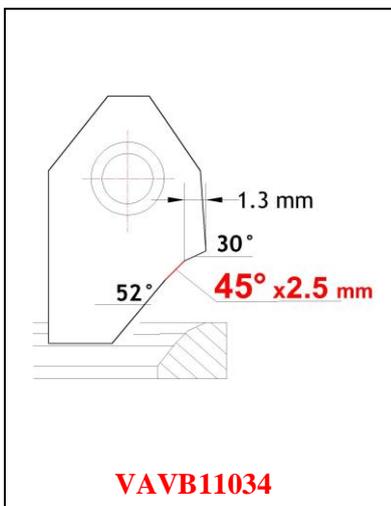
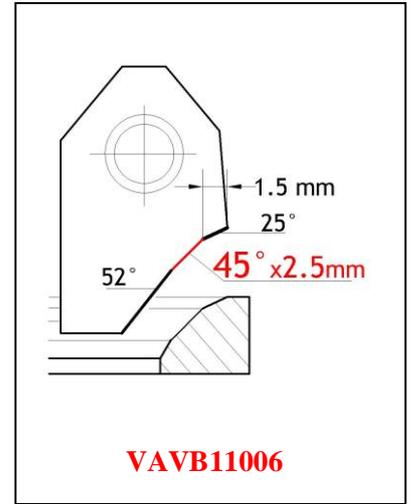
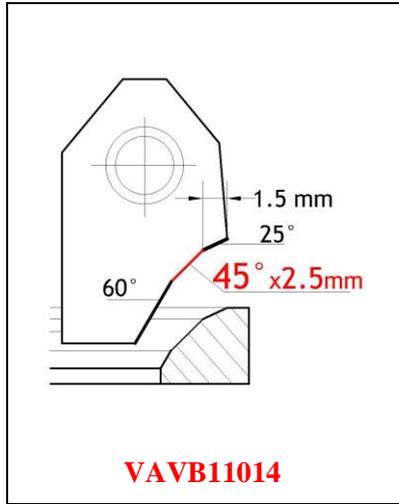
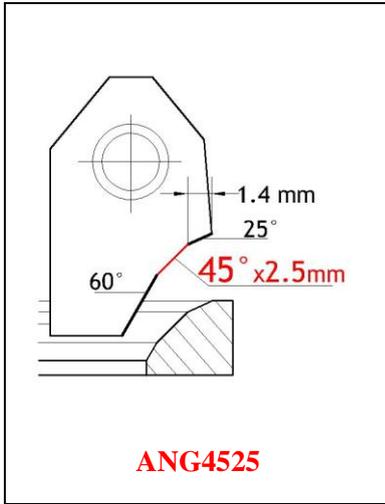


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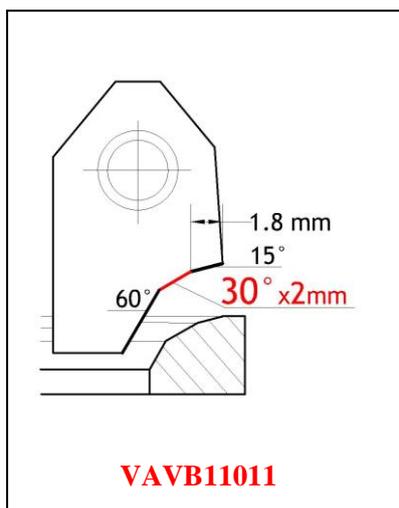
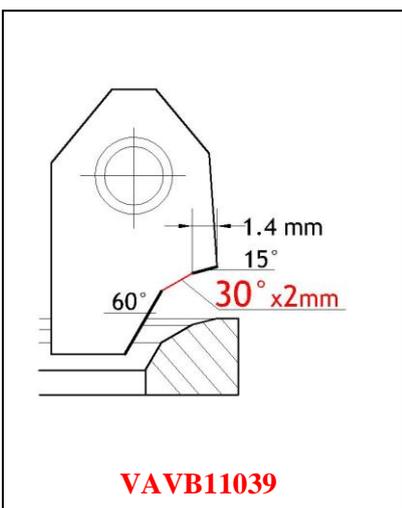
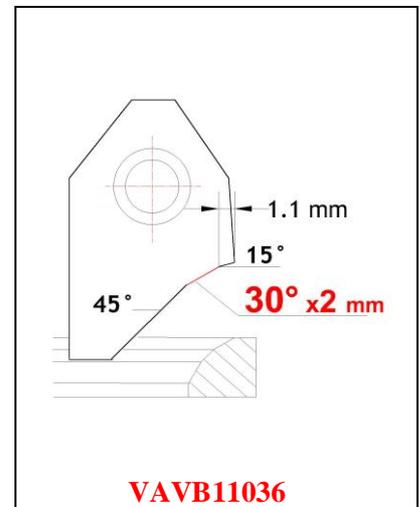
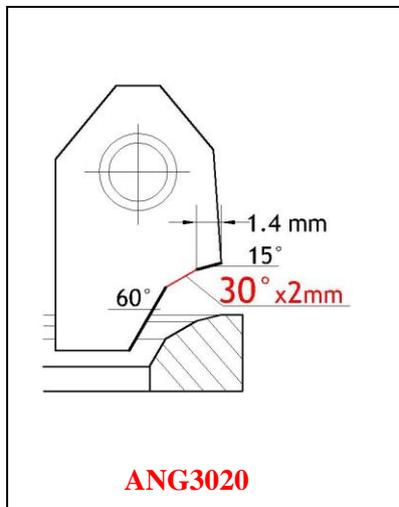
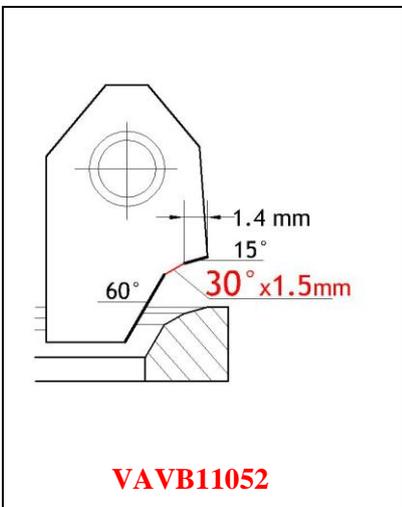
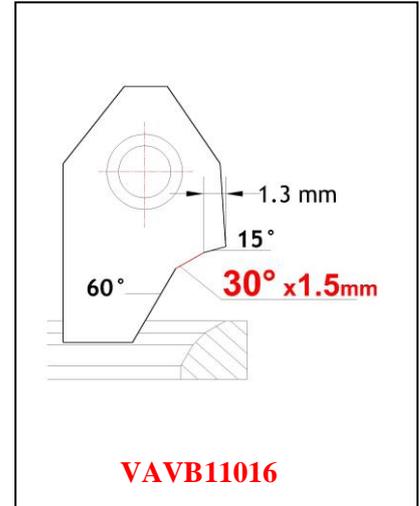
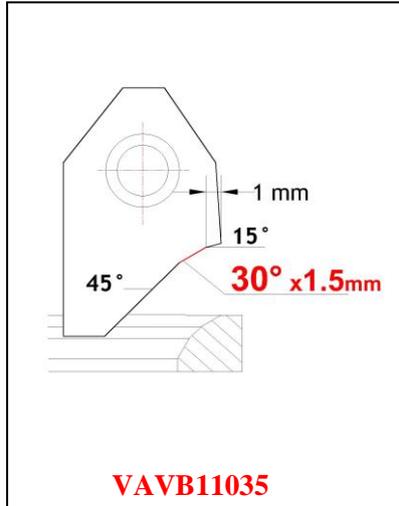
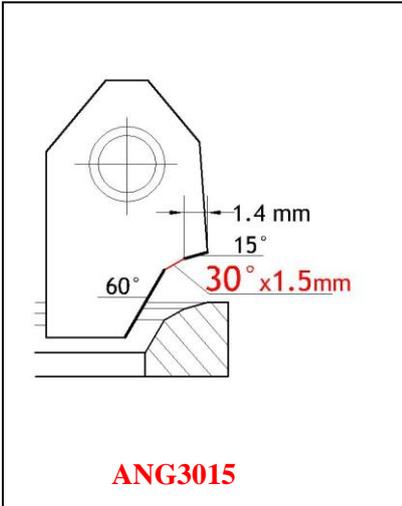
3 ANGLES CARBIDE CUTTING BITS - 45°



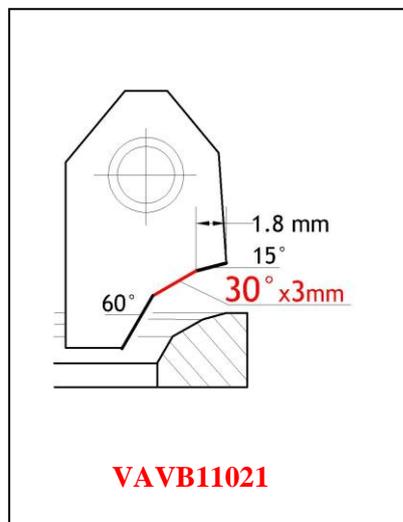
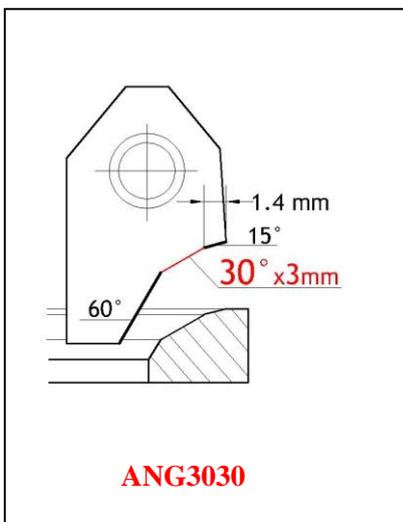
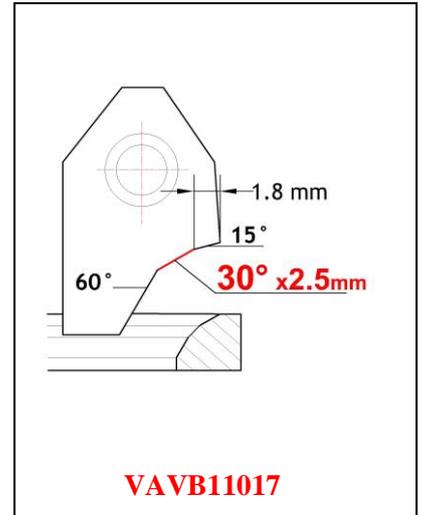
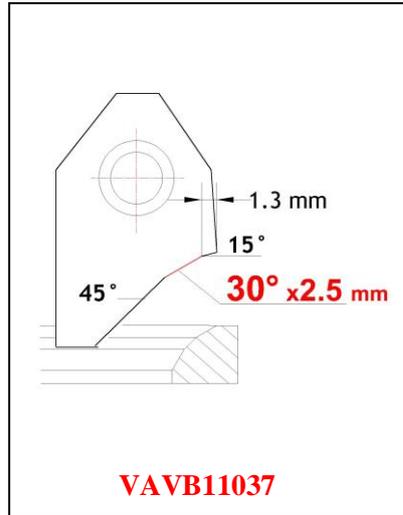
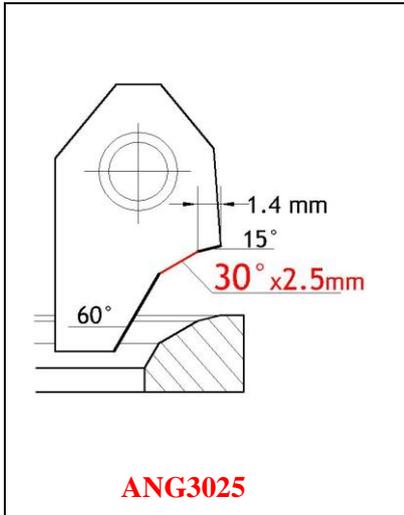
3 ANGLES CARBIDE CUTTING BITS - 45°



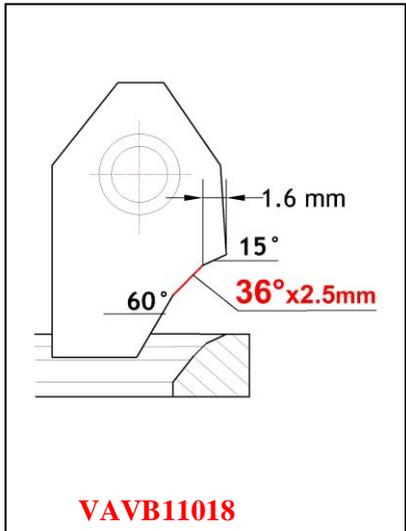
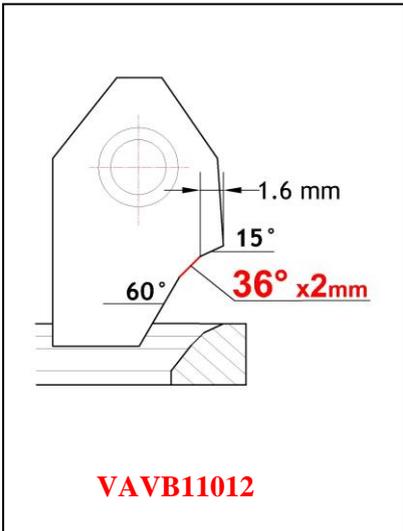
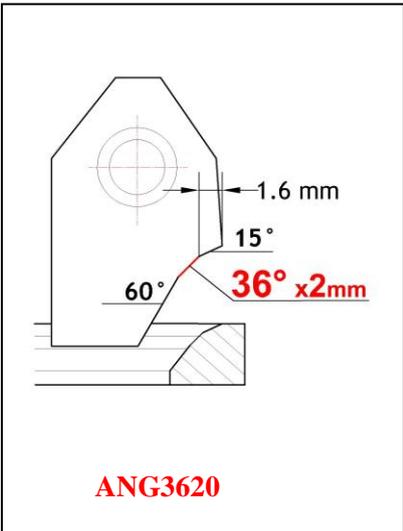
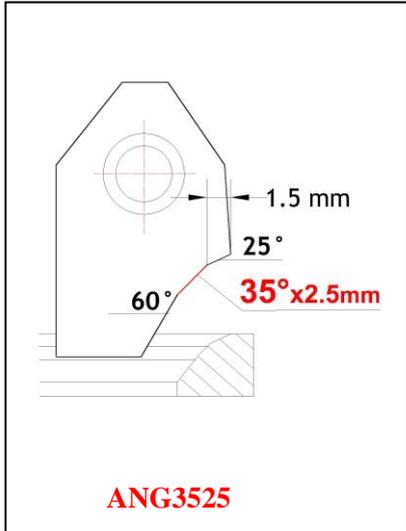
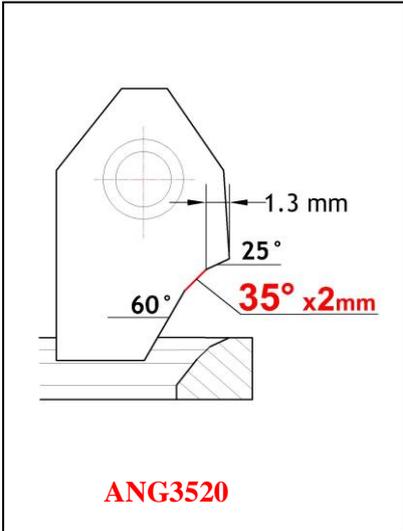
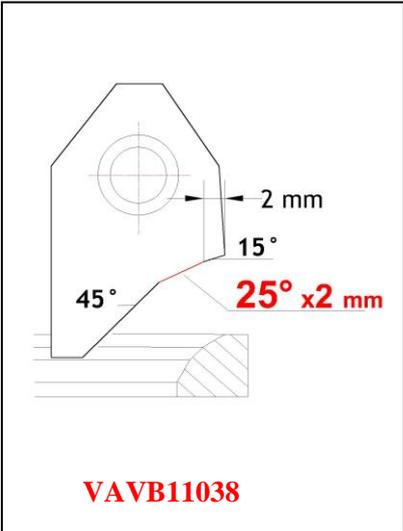
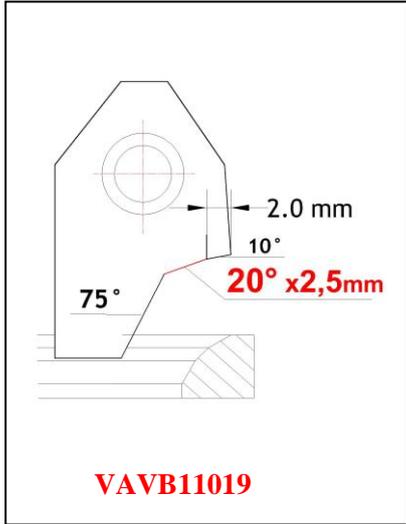
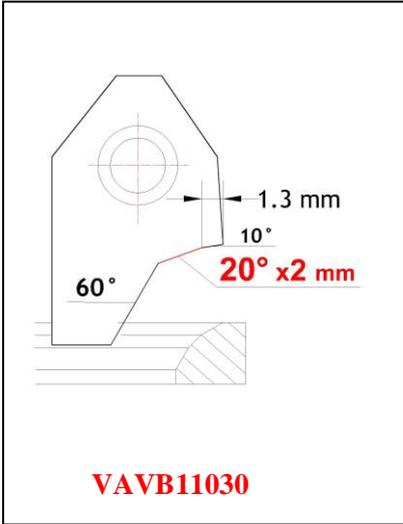
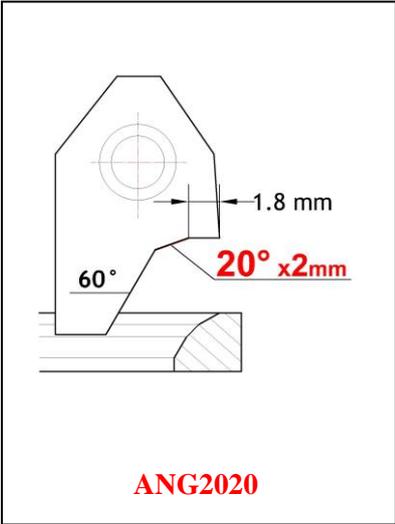
3 ANGLES CARBIDE CUTTING BITS - 30°



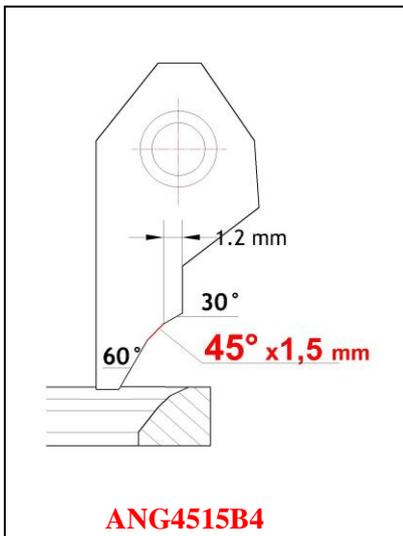
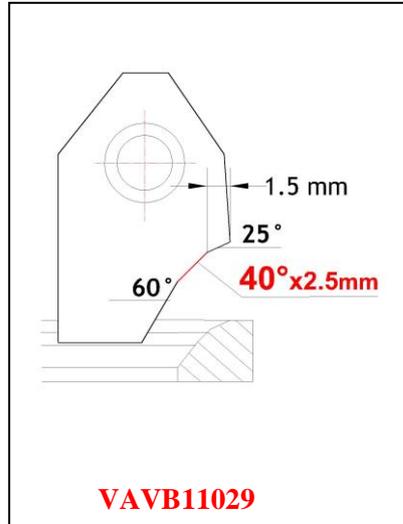
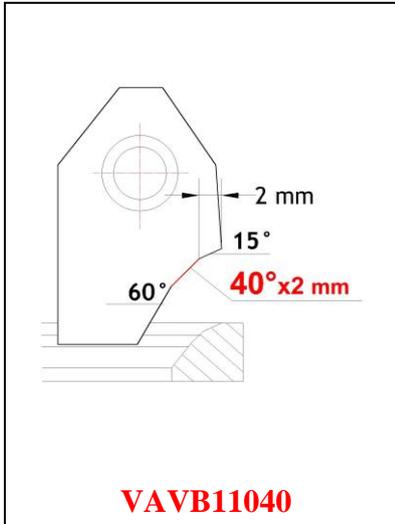
3 ANGLES CARBIDE CUTTING BITS **30°**



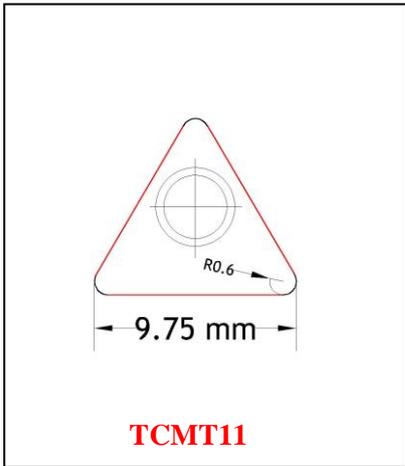
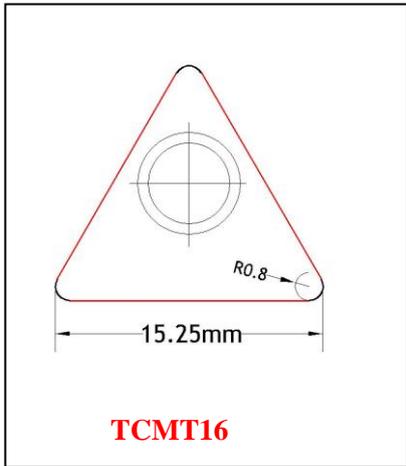
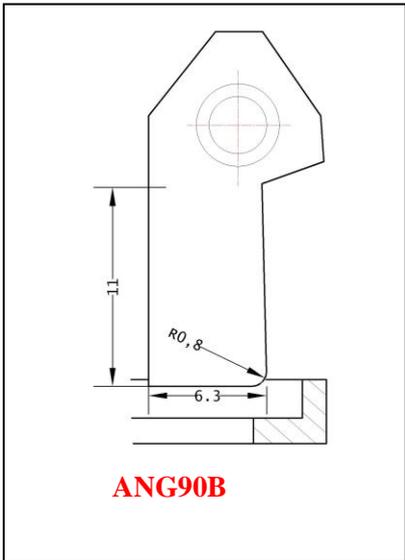
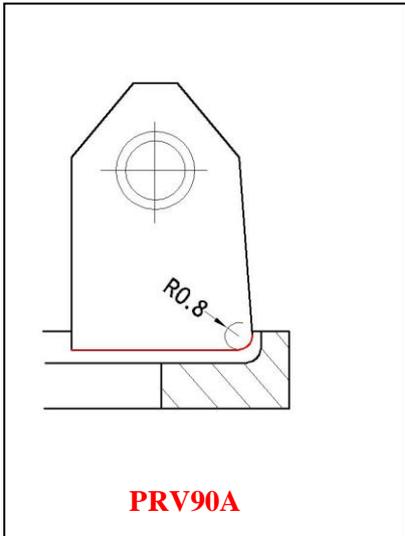
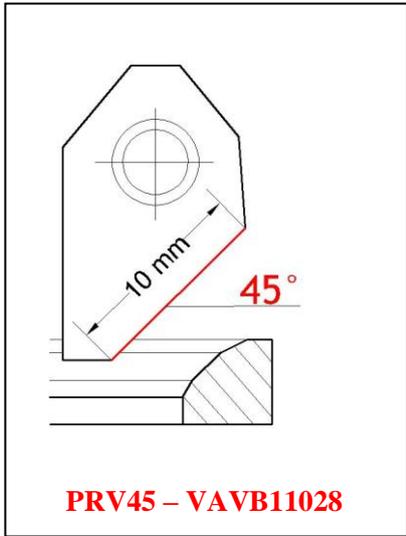
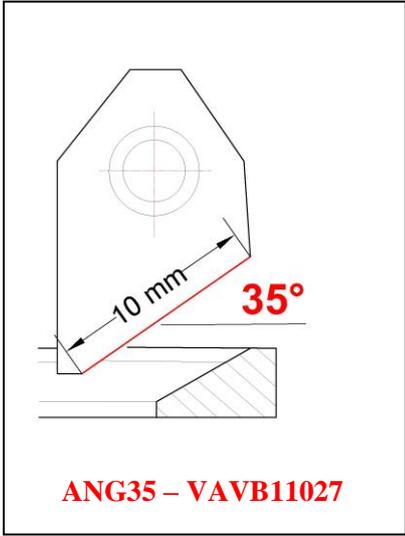
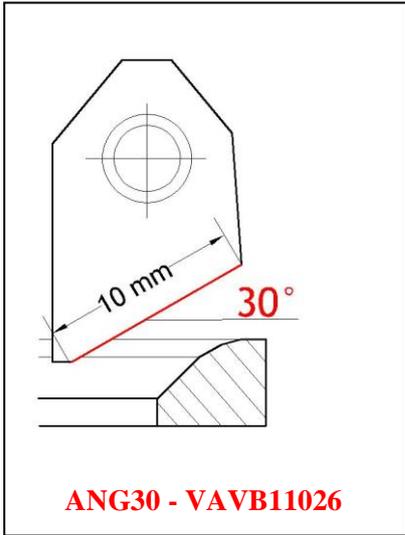
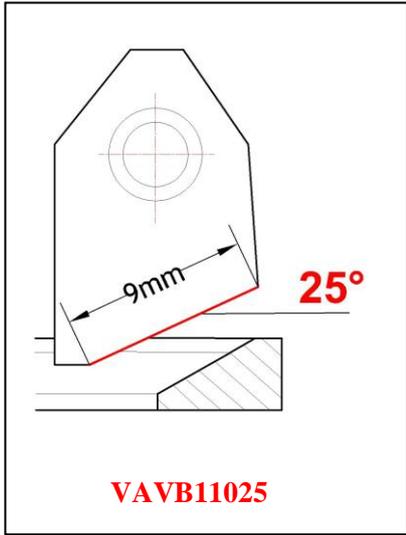
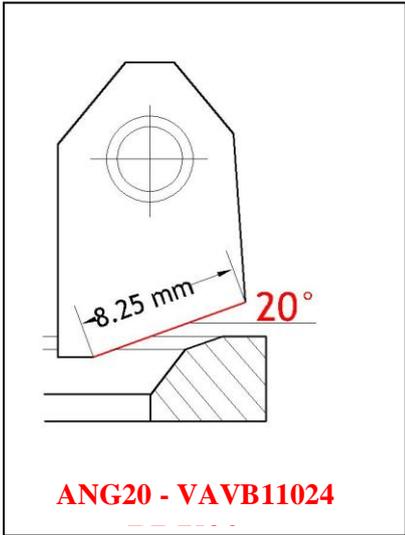
3 ANGLES CARBIDE CUTTING BITS



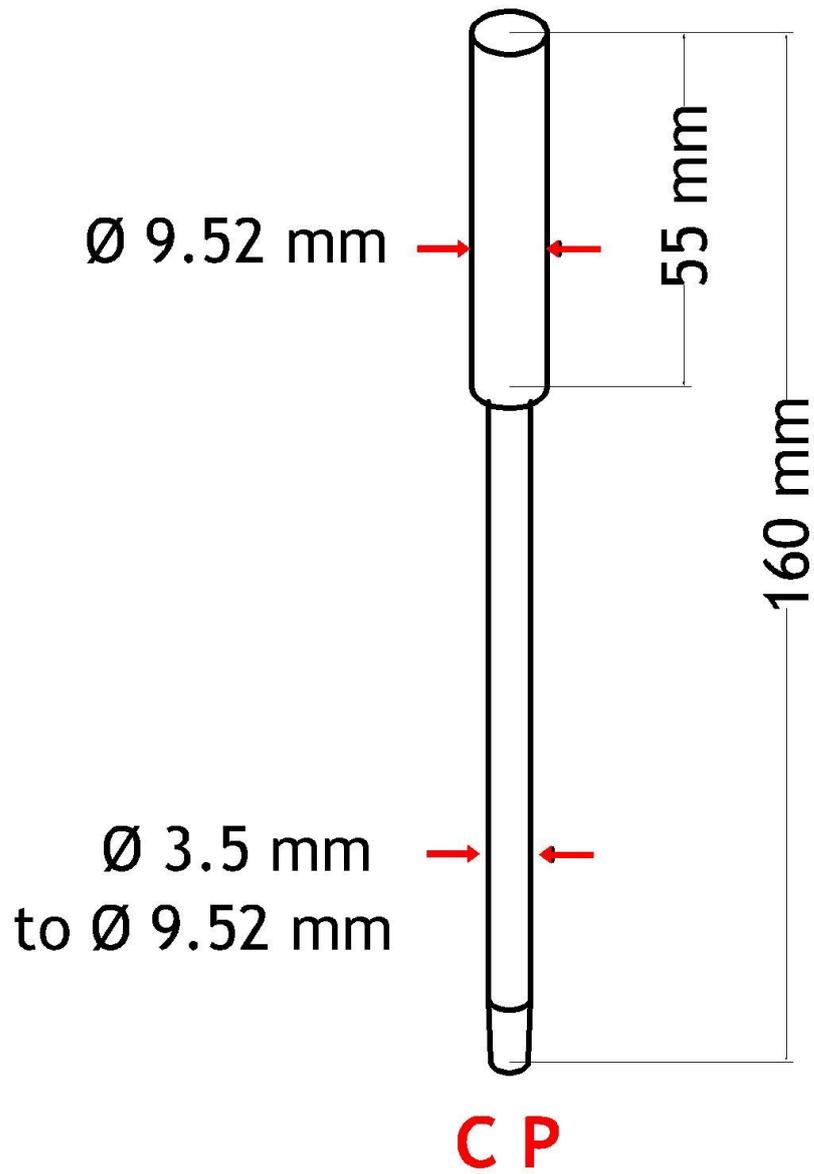
3 ANGLES CARBIDE CUTTING BITS



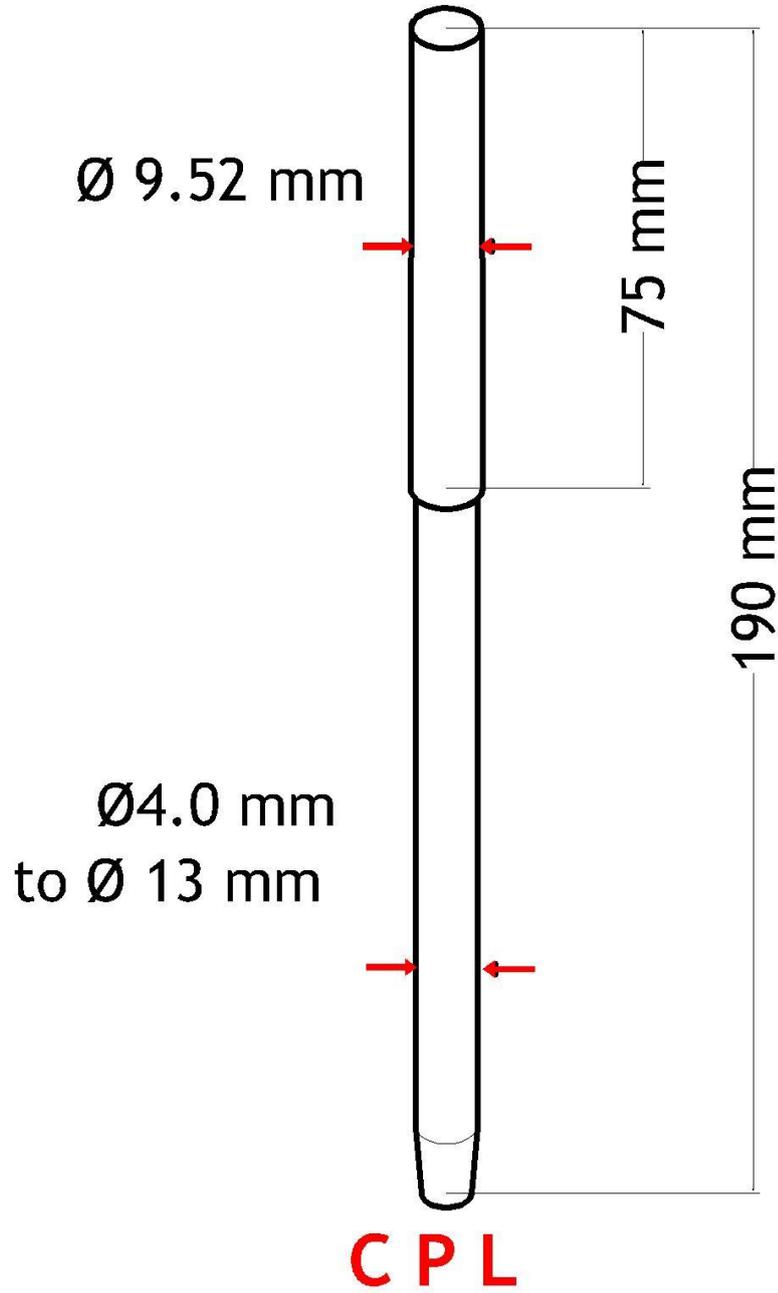
SINGLE ANGLE CARBIDE CUTTING BIT

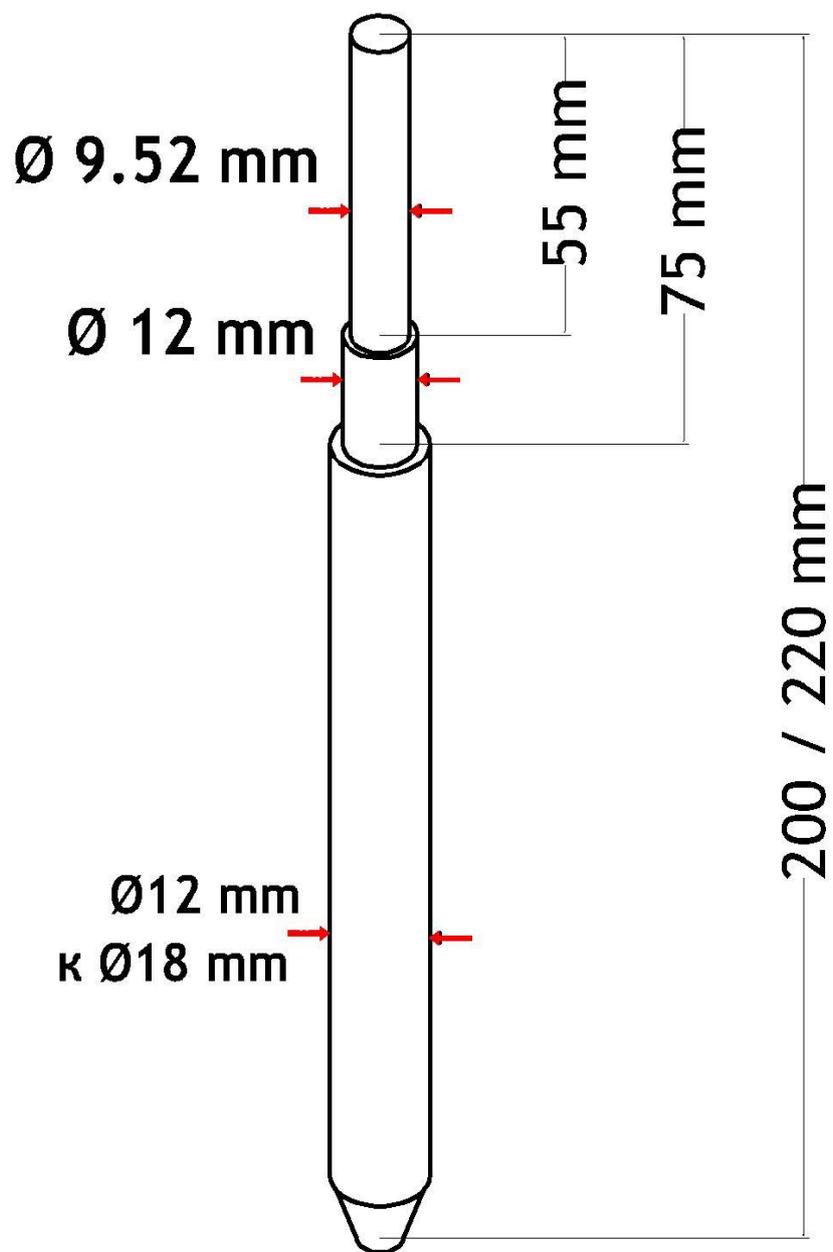


CARBIDE PILOTS



CARBIDE PILOTS





CPXL

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