

CUTTING TOOLING CATALOGUE PROVALVE

2023



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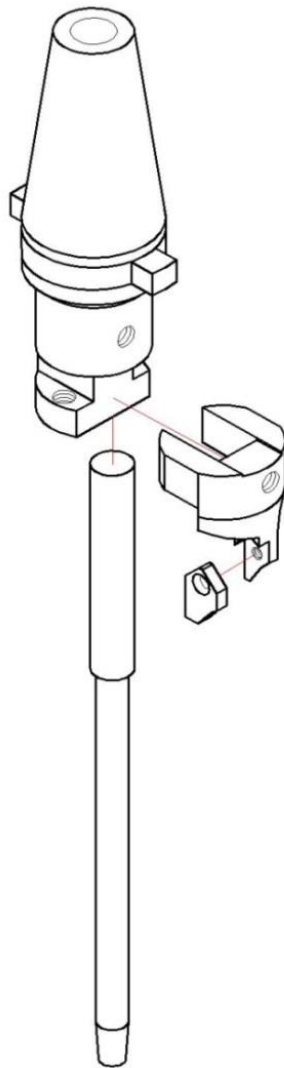


PROVALVE
Valve Guide And Seat Machine



PROVALVE

**CUTTING TOOLINGS
CATALOG**



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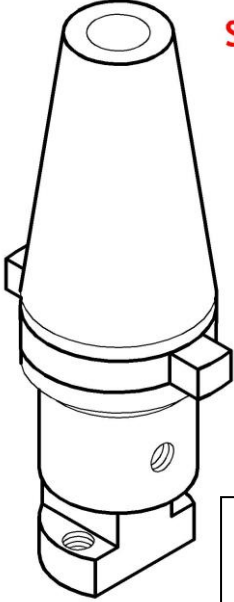
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CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

SH-100



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

Ø 9.52 mm — 55 mm — 160 mm

Ø 3.5 mm to Ø 9.52 mm

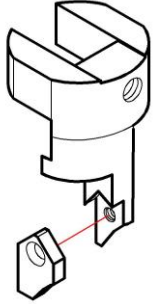
CP

Ø 9.52 mm — 75 mm — 190 mm

Ø 4.0 mm to Ø 13 mm

CPL

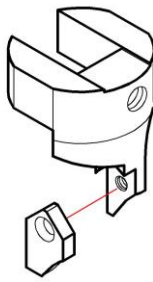
SH-0L



Diameter capacity of valve seat
Ø16 – Ø30 mm

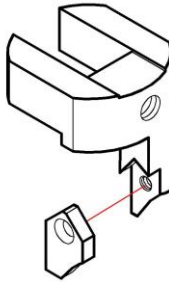
Long type

SH-0



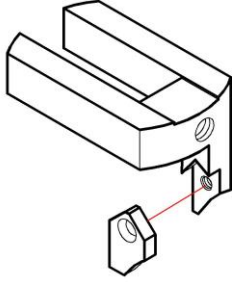
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-1



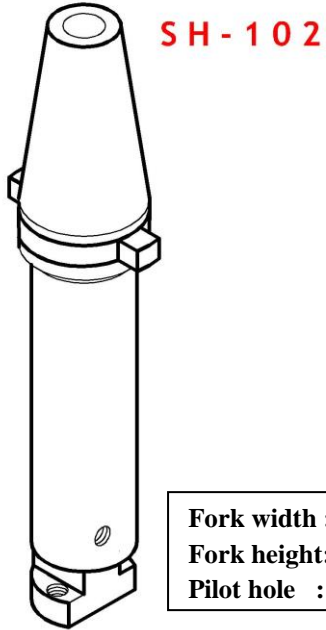
Diameter capacity of valve seat
Ø28 – Ø42 mm

SH-2

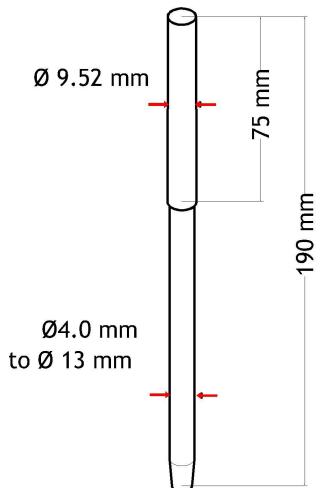
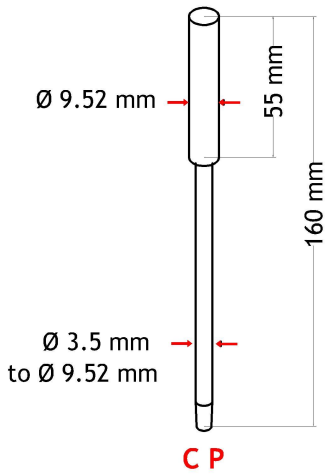


Diameter capacity of valve seat
Ø40 – Ø60 mm

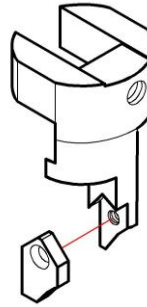
CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING



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



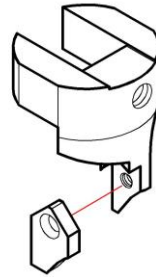
SH-0L



Long type

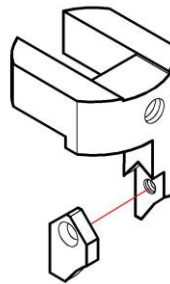
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-0



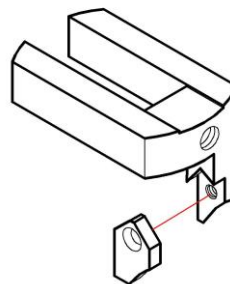
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-1



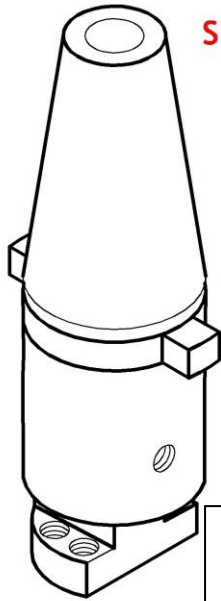
Diameter capacity of valve seat
Ø28 – Ø42 mm

SH-2



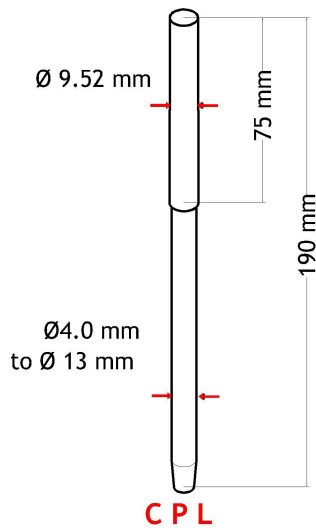
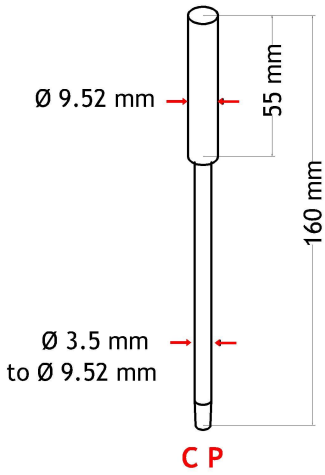
Diameter capacity of valve seat
Ø40 – Ø60 mm

CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

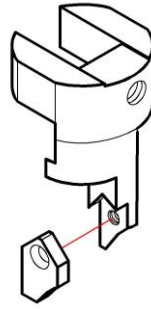


SH-200

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



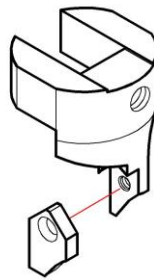
SH-0L



Long type

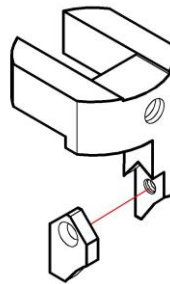
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-0



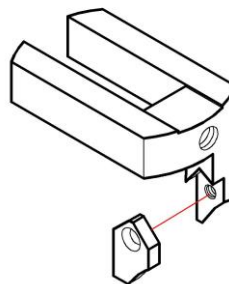
Diameter capacity of valve seat
Ø16 – Ø30 mm

SH-1



Diameter capacity of valve seat
Ø28 – Ø42 mm

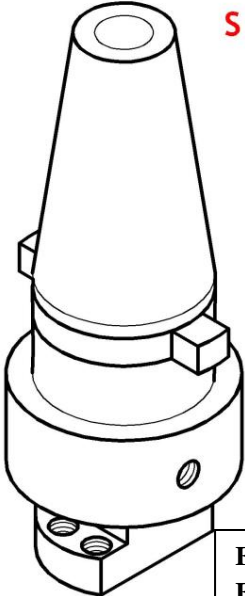
SH-2



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

Ø 9.52 mm

55 mm

160 mm

Ø 3.5 mm
to Ø 9.52 mm

CP

Ø 9.52 mm

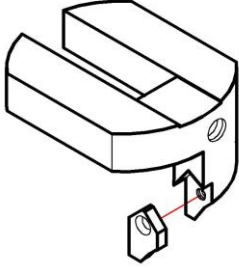
75 mm

190 mm

Ø 4.0 mm
to Ø 13 mm

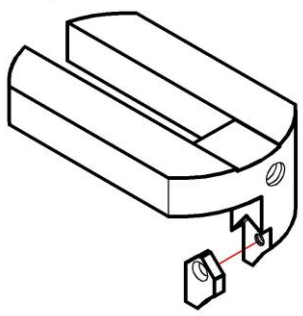
CPL

SH-3



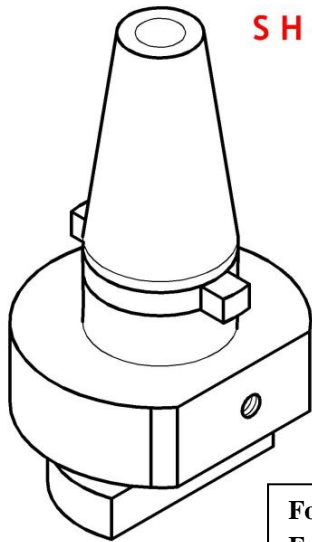
Diameter capacity of valve seat
Ø40 – Ø70 mm

SH-4



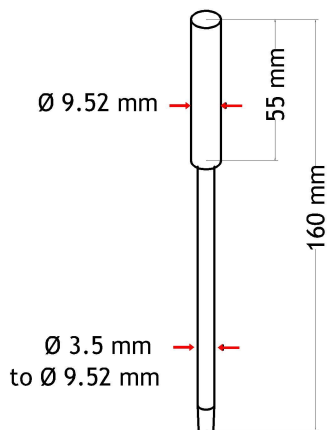
Diameter capacity of valve seat
Ø45 – Ø90 mm

CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

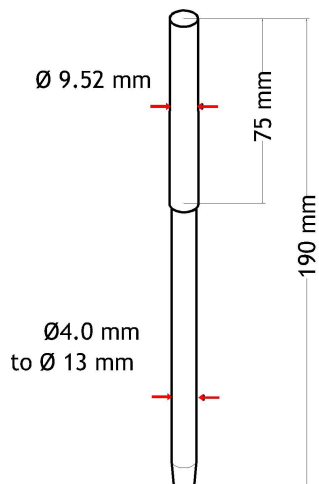


SH-400

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

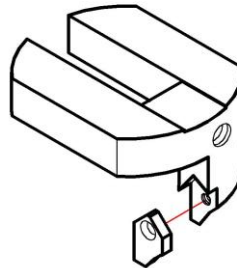


CP



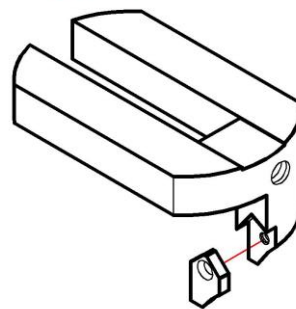
CPL

SH-3



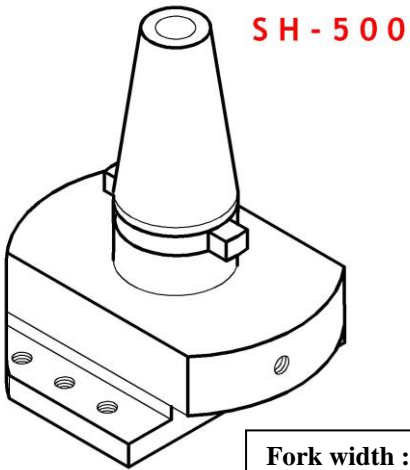
Diameter capacity of valve seat
Ø45 – Ø75 mm

SH-4

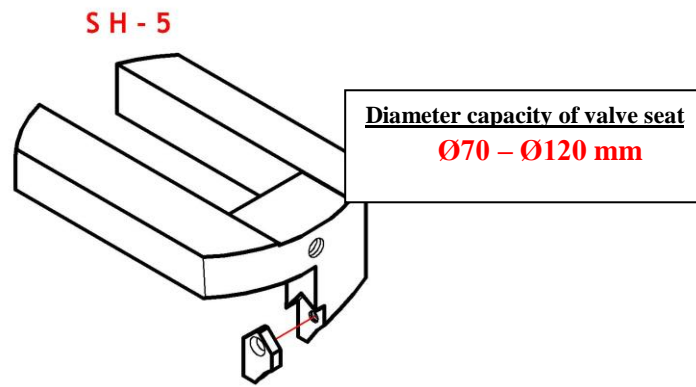
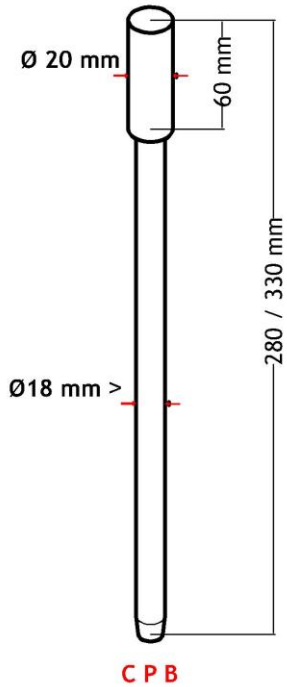


Diameter capacity of valve seat
Ø50 – Ø100 mm

CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

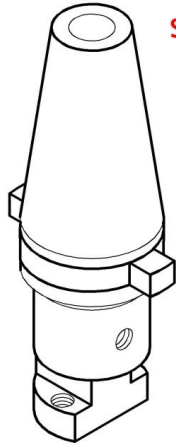


Fork width : 25mm
Fork height: 12mm
Pilot hole : Ø20mm

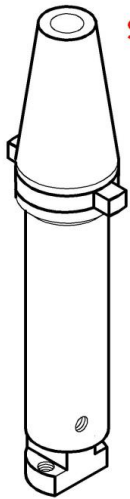


Diameter capacity of valve seat
Ø70 - Ø120 mm

CUTTING SYSTEM TOOLING RANGE FOR COUNTERBORING MACHINING

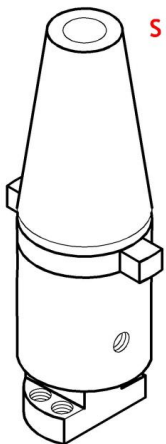


SH-100



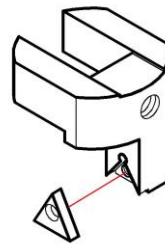
SH-102

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



SH-200

SH-190



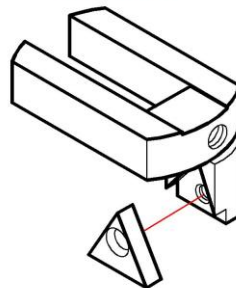
TCMT-11



COUNTERBORING

Ø30 – Ø48 mm

SH-290



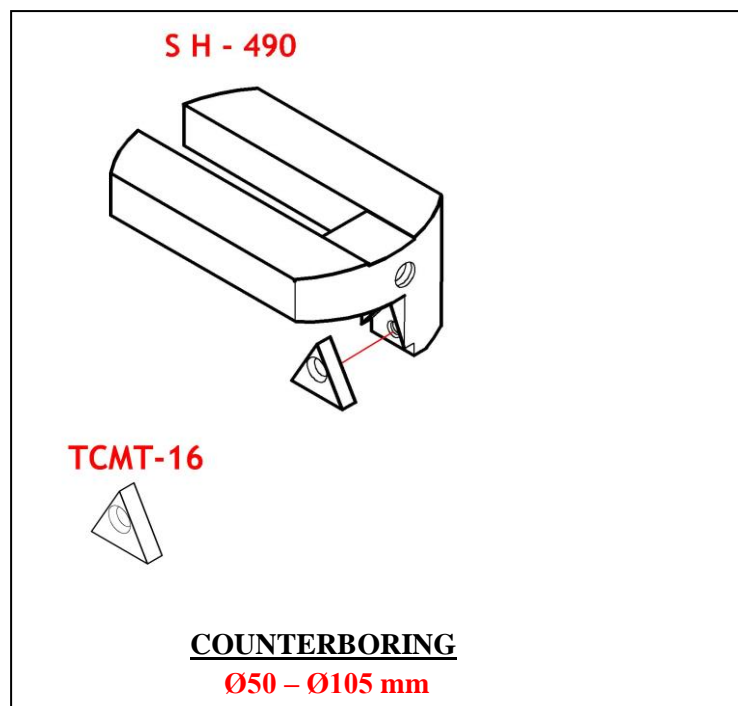
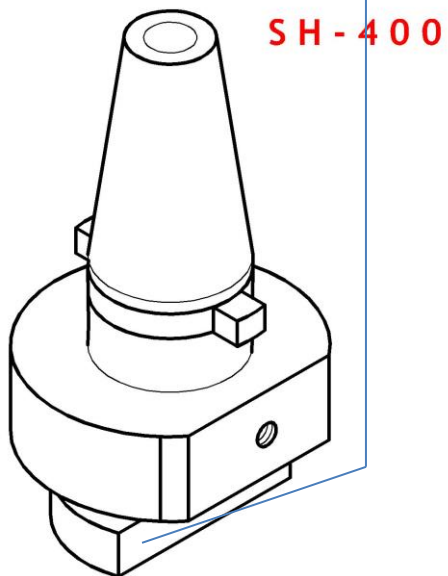
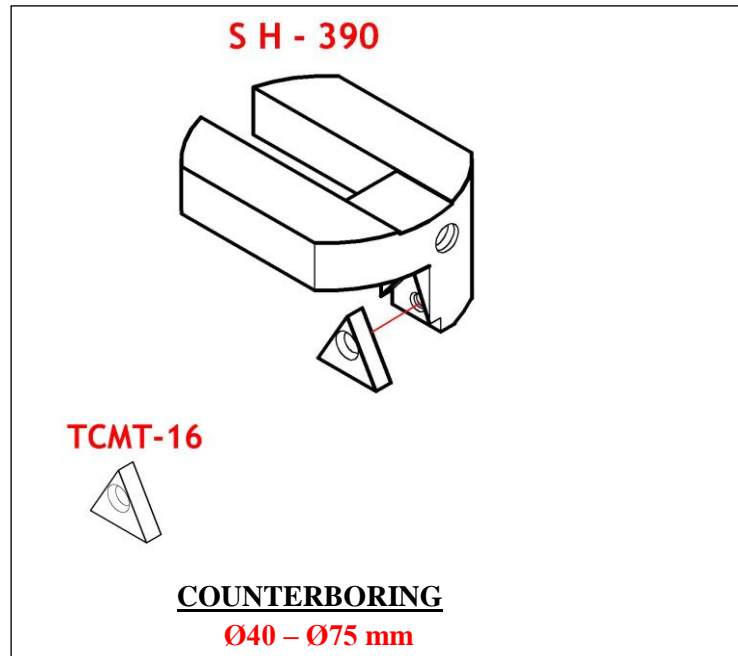
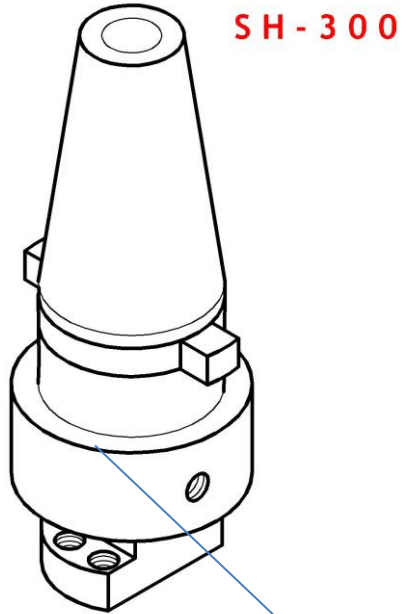
TCMT-16



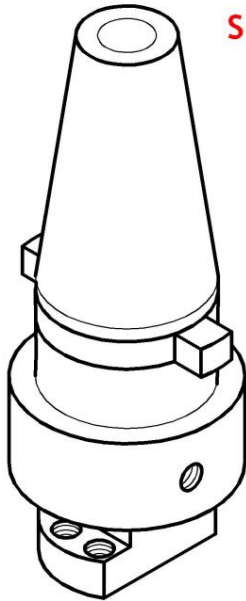
COUNTERBORING

Ø38 – Ø65 mm

CUTTING SYSTEM TOOLING RANGE FOR COUNTERBORING MACHINING

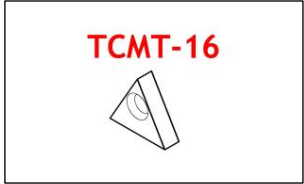


SPECIAL CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING



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

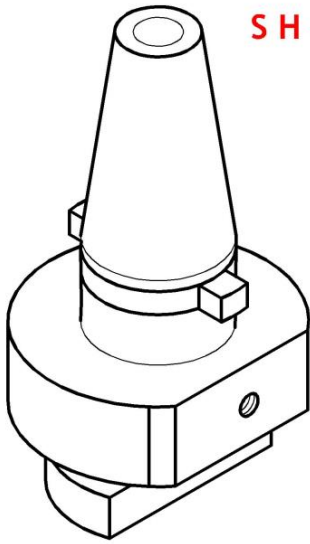
SH - 390

Counterboring
Ø45 – Ø80 mm

SH - 490

Counterboring
Ø50 – Ø90 mm

SPECIAL CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING



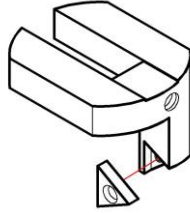
SH - 400

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

TCMT-16

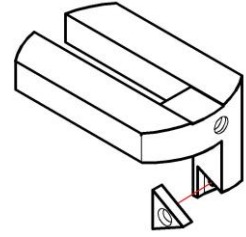


SH - 320



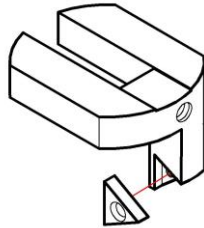
Single Angle : 20°
Ø45 – Ø85 mm

SH - 420



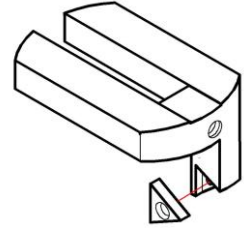
Single Angle : 20°
Ø50 – Ø100 mm

SH - 330



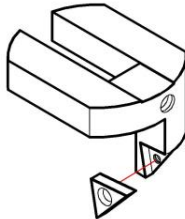
Single Angle : 30°
Ø45 – Ø85 mm

SH - 430



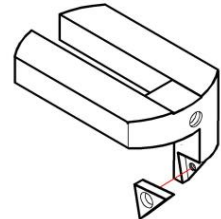
Single Angle : 30°
Ø50 – Ø100 mm

SH - 345



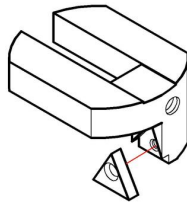
Single Angle : 45°
Ø45 – Ø85 mm

SH - 445



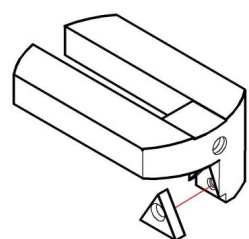
Single Angle : 45°
Ø50 – Ø100 mm

SH - 390



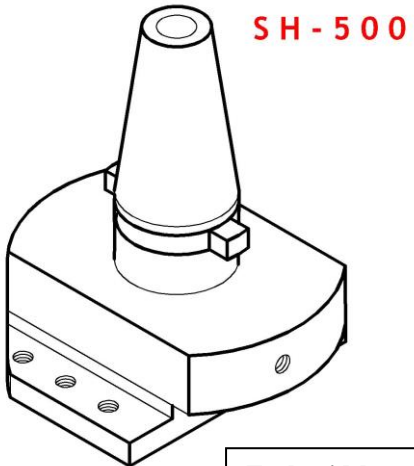
Counterboring
Ø45 – Ø85 mm

SH - 490



Counterboring
Ø50 – Ø105 mm

SPECIAL CUTTING SYSTEM TOOLING RANGE FOR SEATS MACHINING

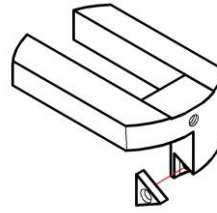


Fork width : 25mm
Fork height: 12mm
Pilot hole : Ø20mm

TCMT-16

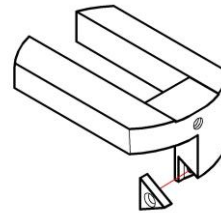


SH - 520



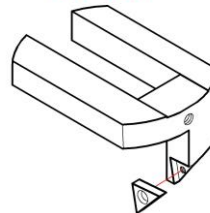
Single Angle : 20°

SH - 530



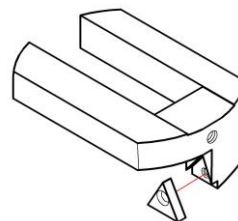
Single Angle : 30°

SH - 545



Single Angle : 45°

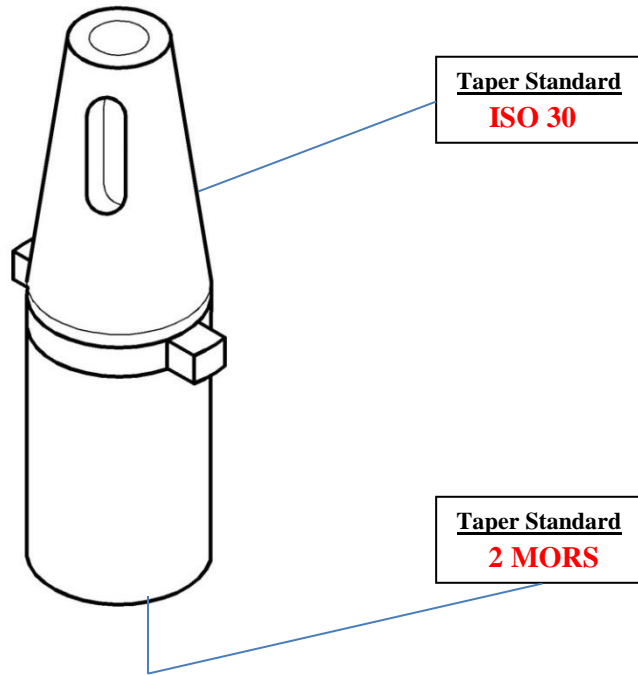
SH - 590



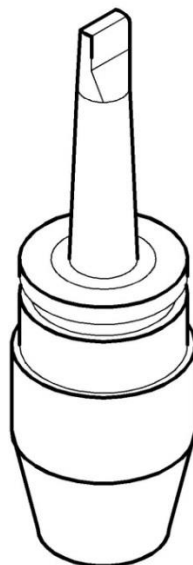
Counterboring

SPECIAL TOOL HOLDERS

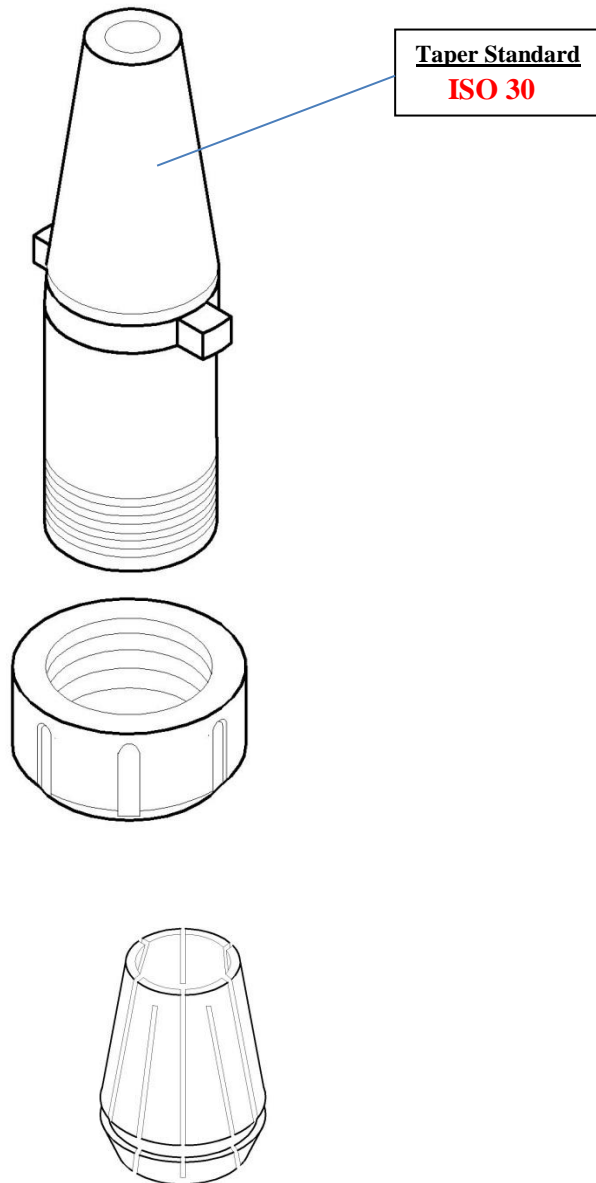
DMH-2



PRECISION DRILL CHUCK



CM-15

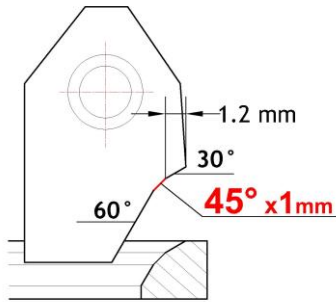


ER-25

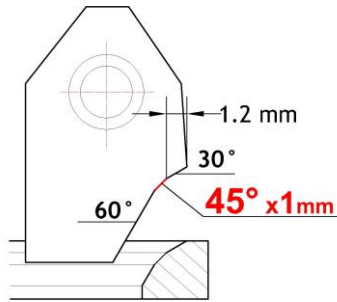
Ø1-Ø2 mm / Ø2-Ø3 mm / Ø3-Ø4 mm / Ø5-Ø6 mm / Ø7-Ø8 mm / Ø9-Ø10 mm

Ø10-Ø11 mm / Ø11-Ø12 mm / Ø12-Ø13 mm / Ø13-Ø14 mm / Ø14-Ø15 mm

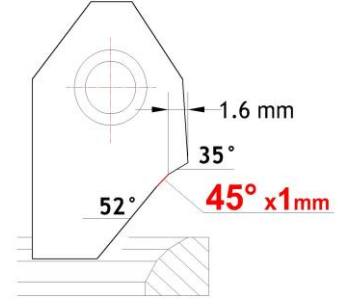
3 ANGLES CARBIDE CUTTING BITS - 45°



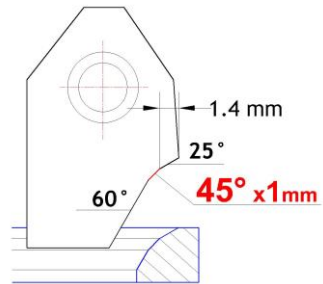
ANG4510



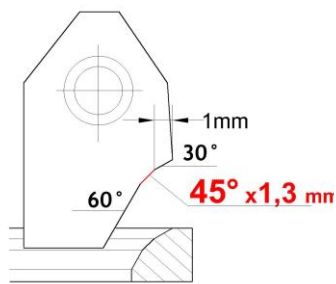
VAVB11042



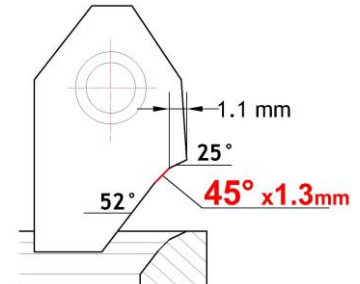
VAVB11043



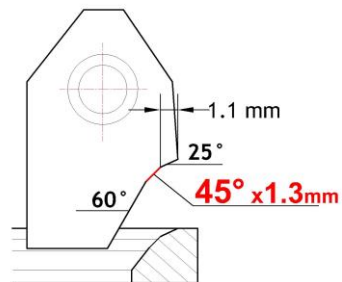
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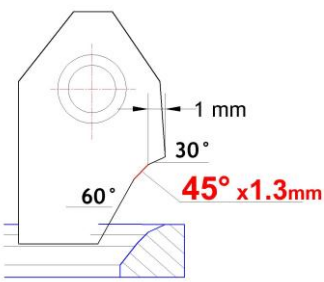
ANG4513



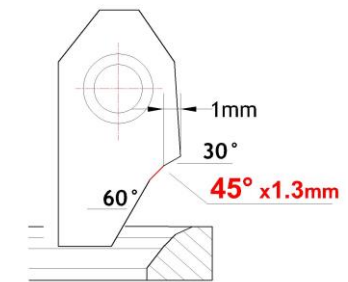
VAVB11020



VAVB11008

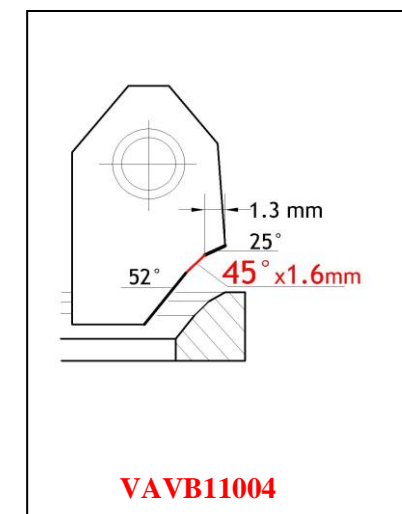
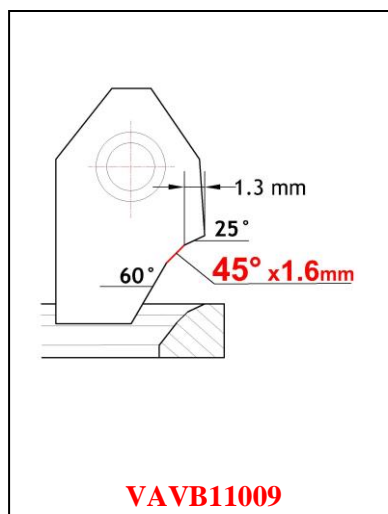
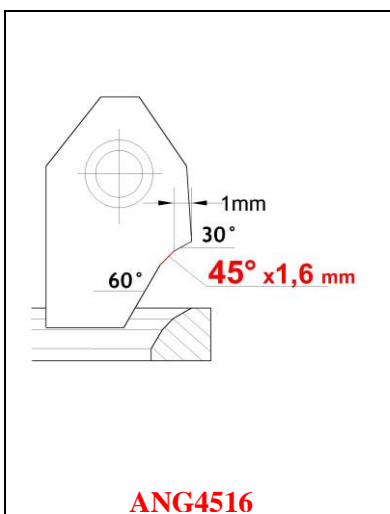
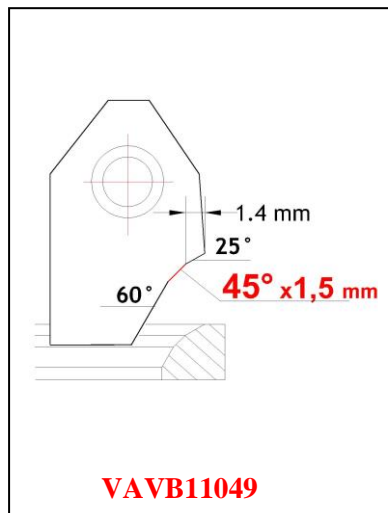
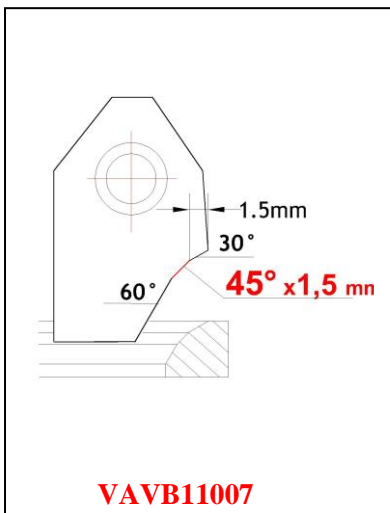
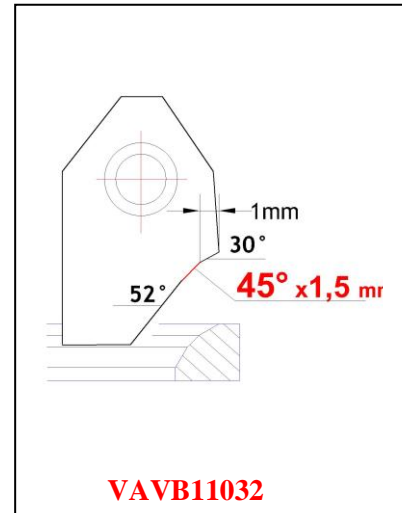
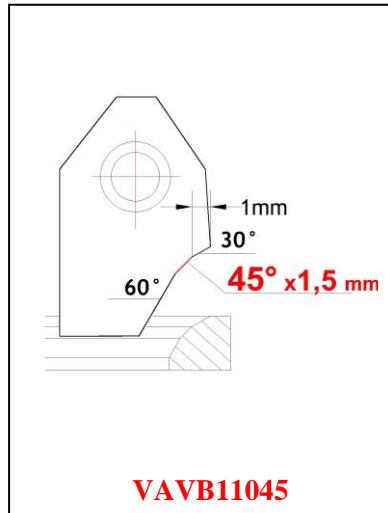
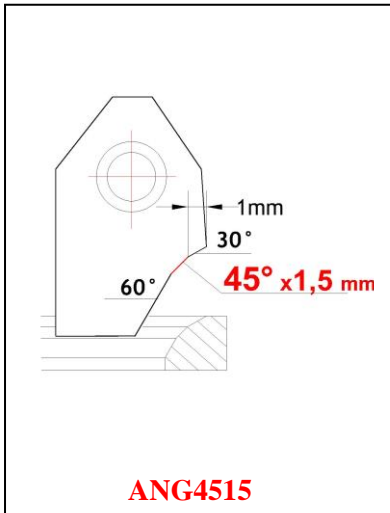


VAVB11044

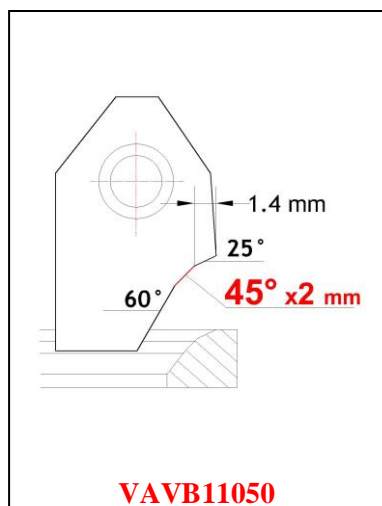
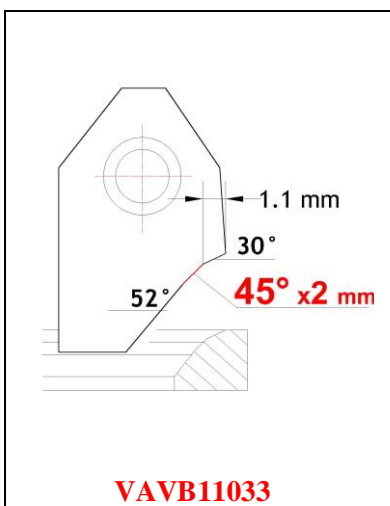
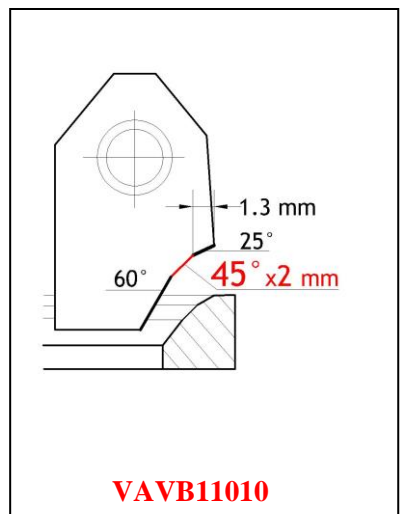
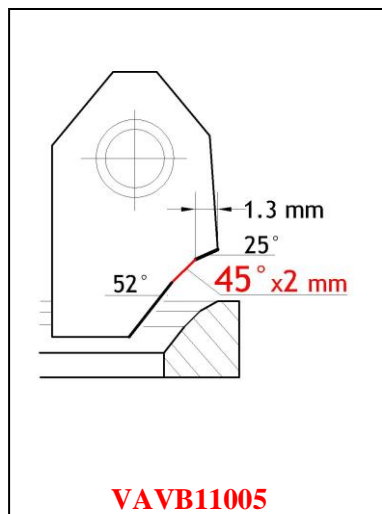
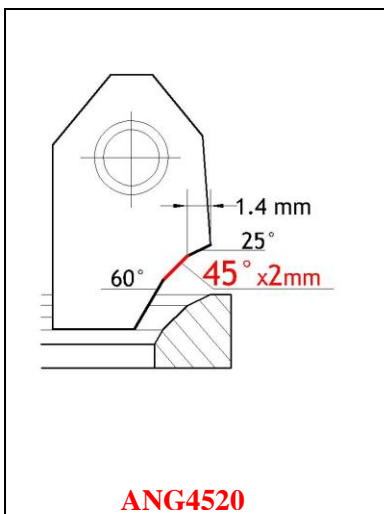
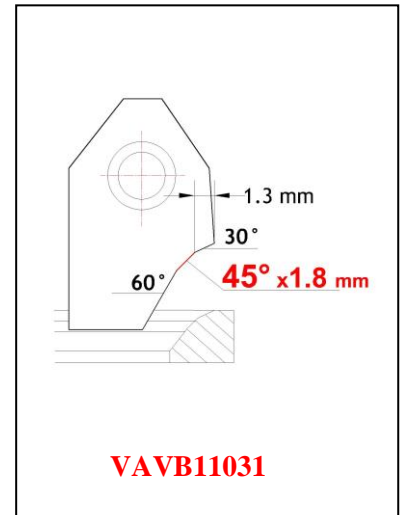
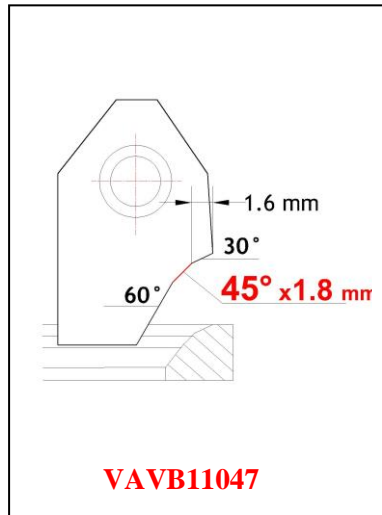
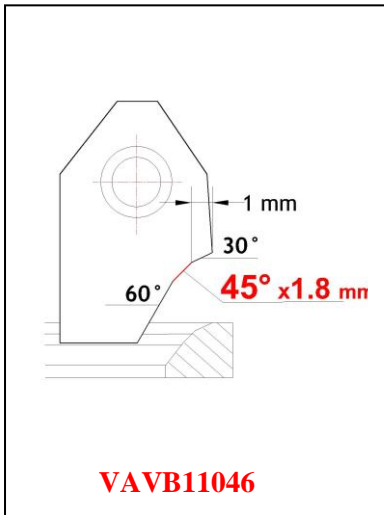


VAVB11013 (narrow)

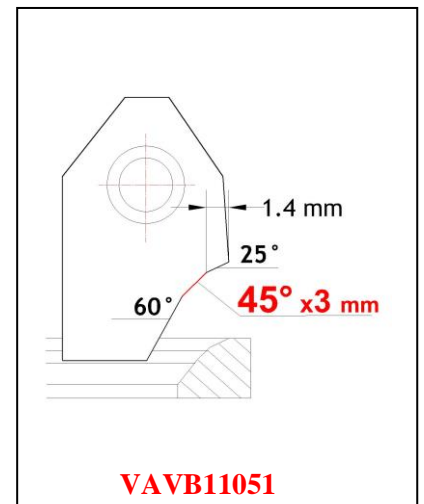
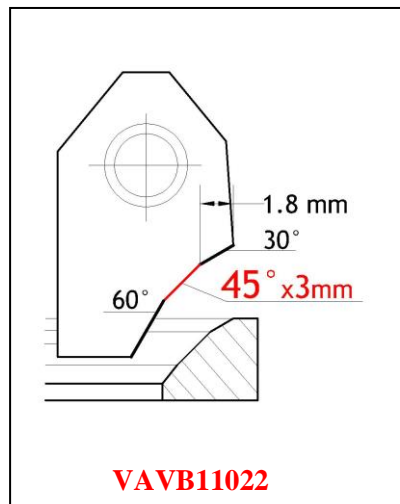
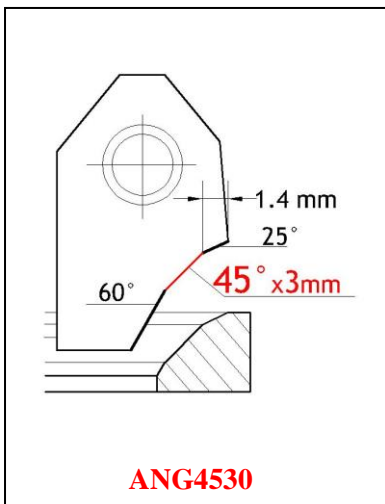
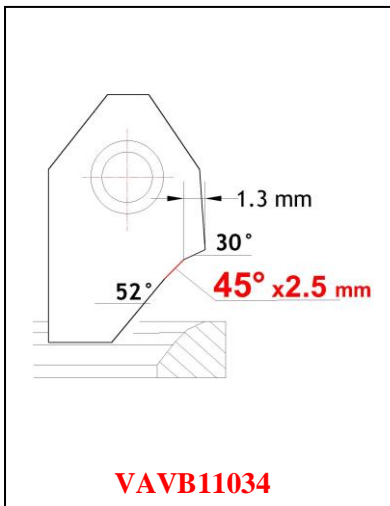
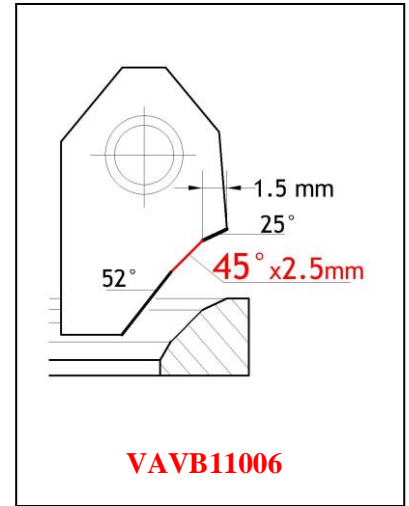
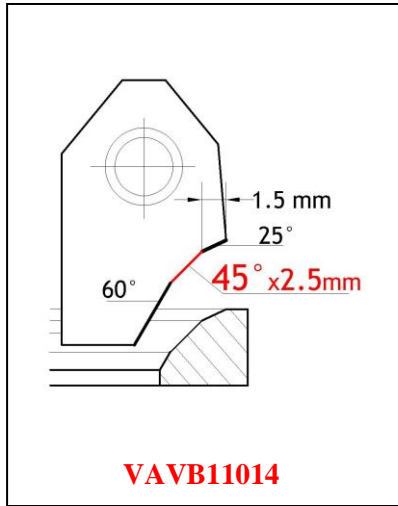
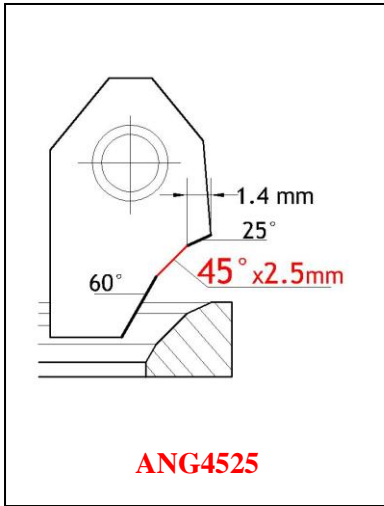
3 ANGLES CARBIDE CUTTING BITS - 45°



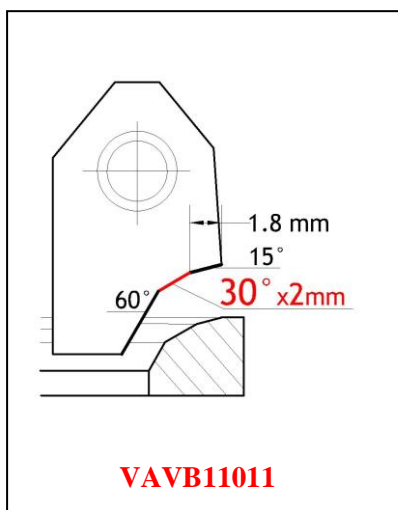
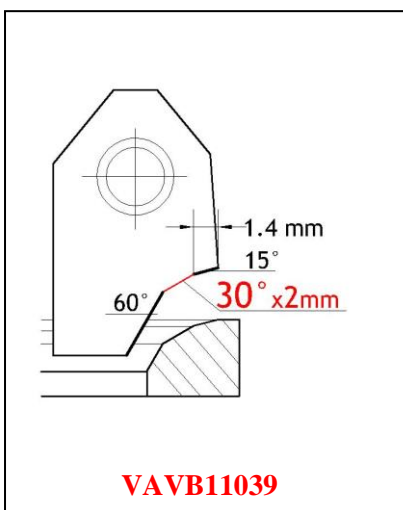
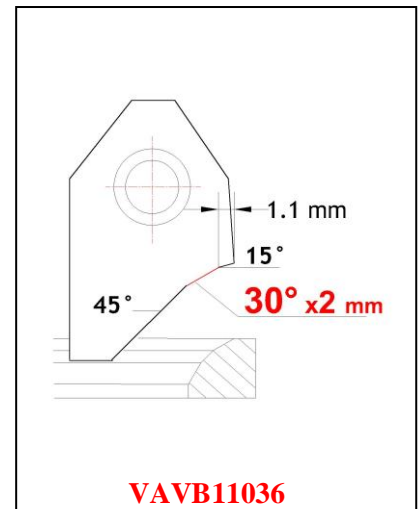
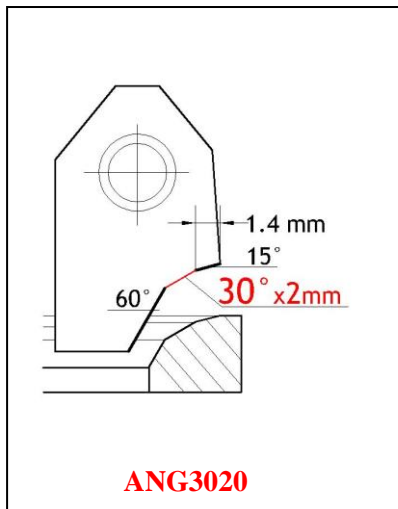
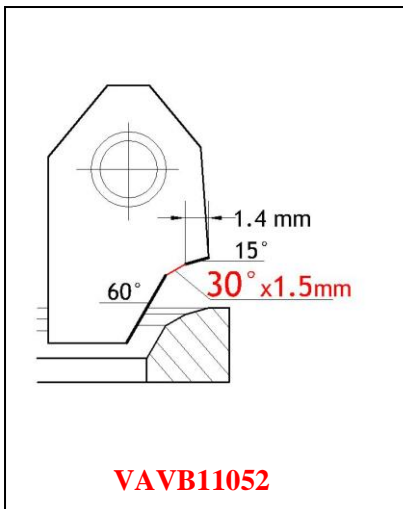
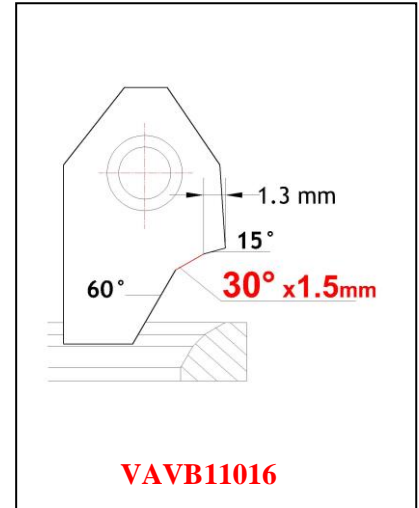
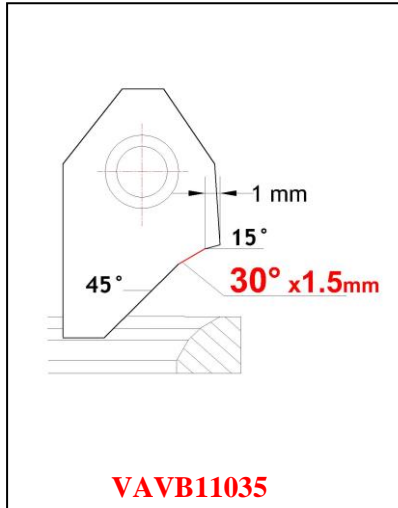
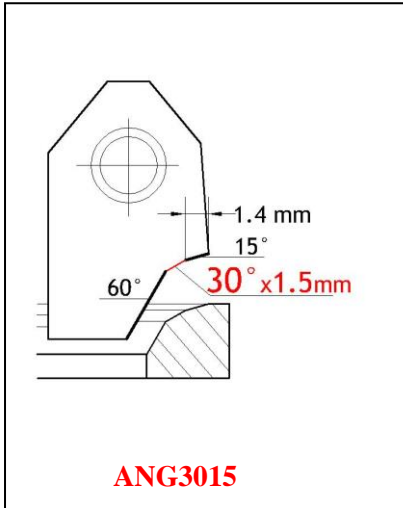
3 ANGLES CARBIDE CUTTING BITS - 45°



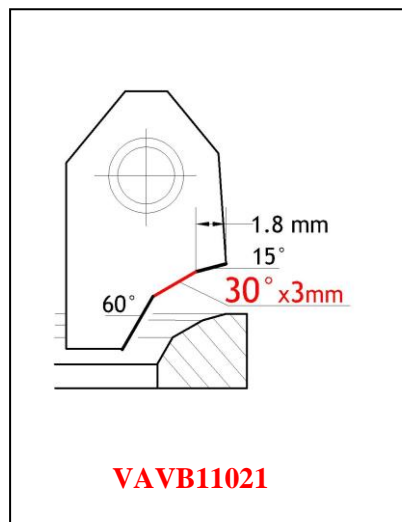
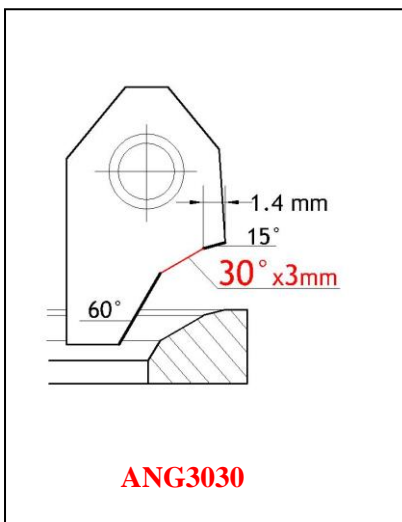
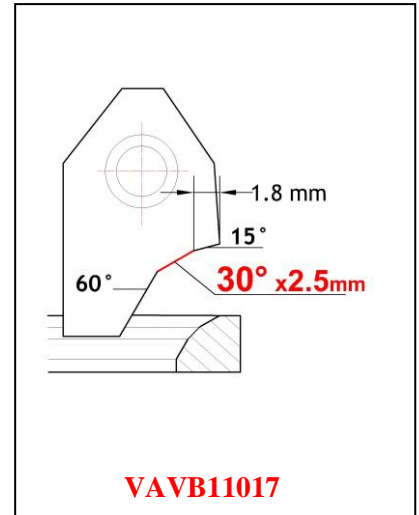
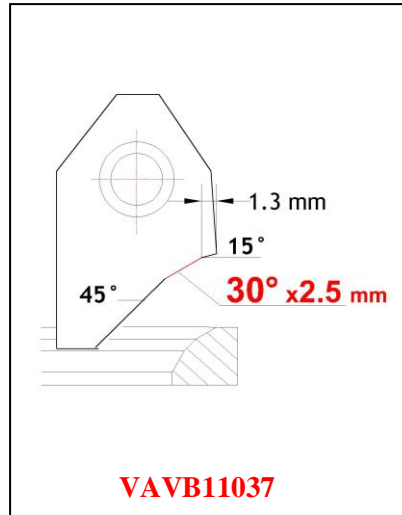
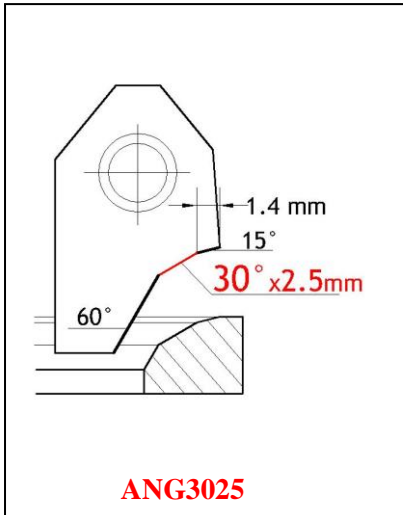
3 ANGLES CARBIDE CUTTING BITS - 45°



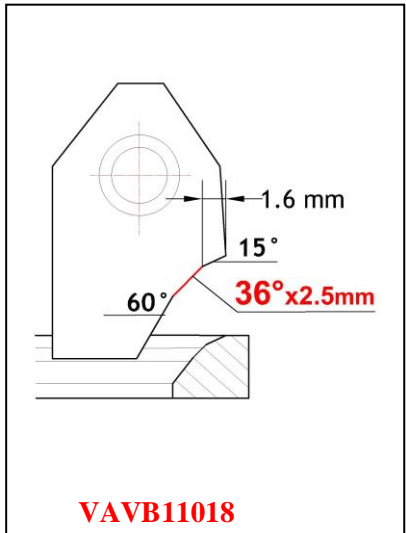
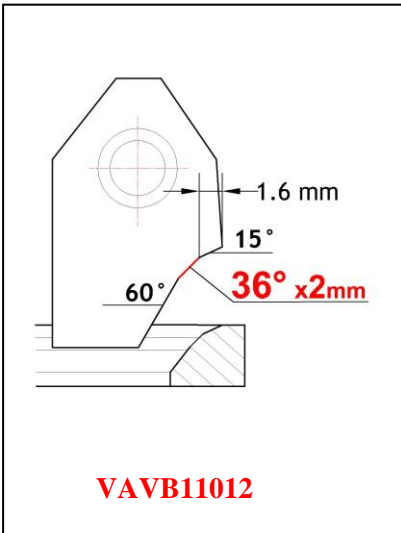
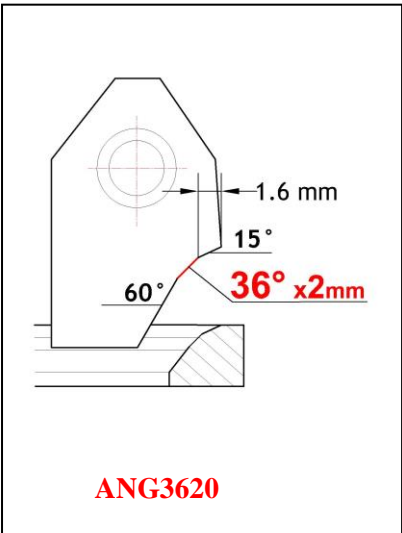
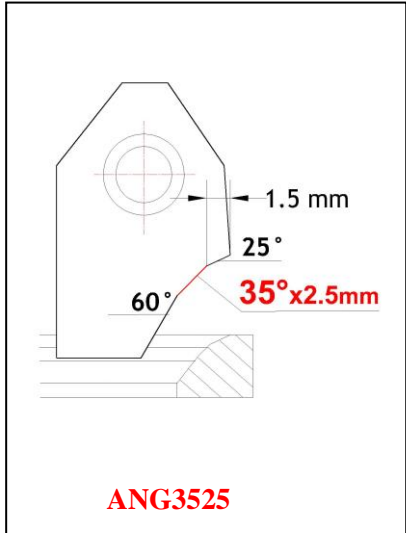
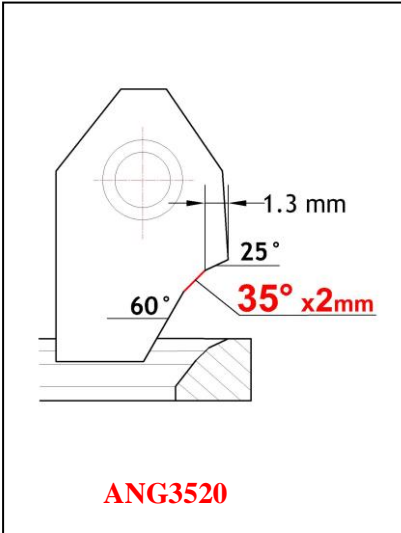
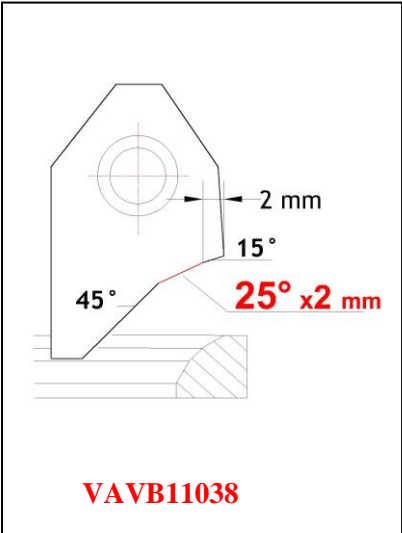
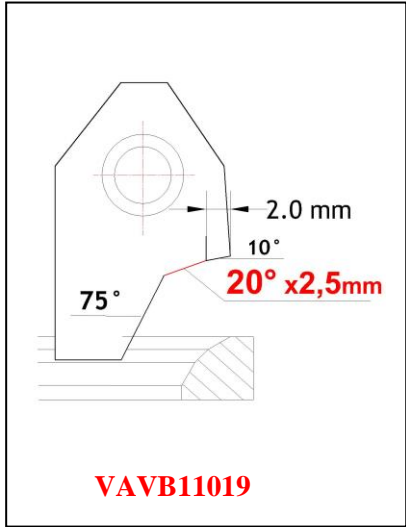
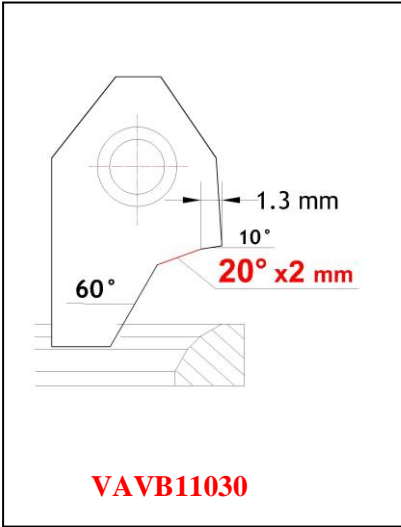
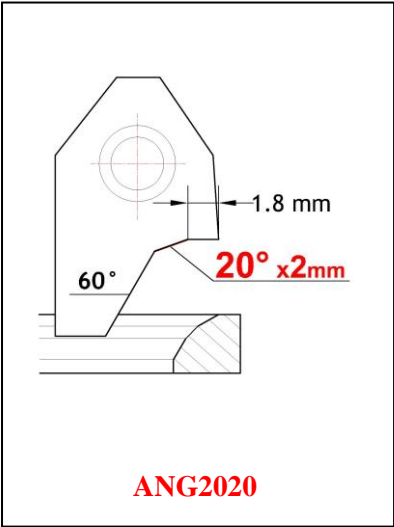
3 ANGLES CARBIDE CUTTING BITS - 30°



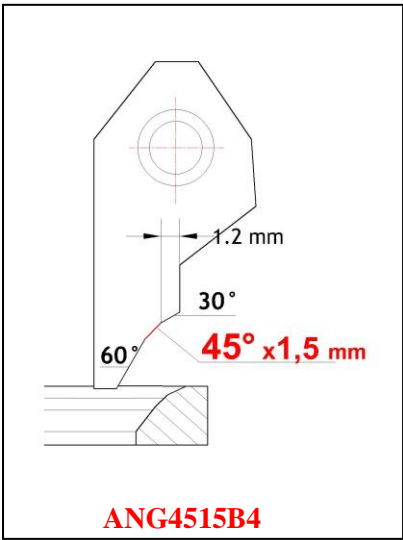
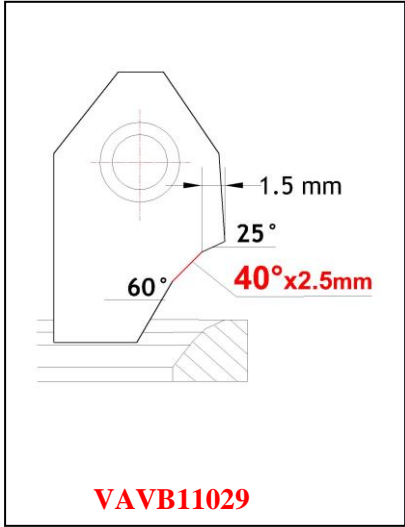
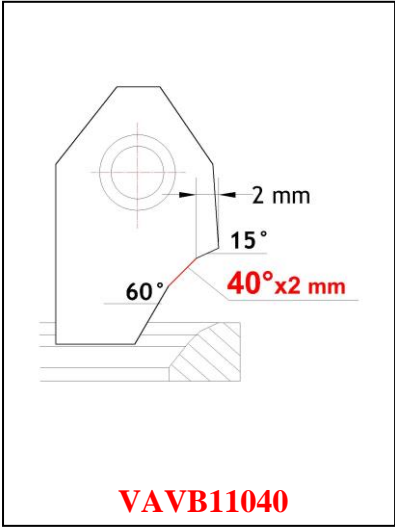
3 ANGLES CARBIDE CUTTING BITS **30°**



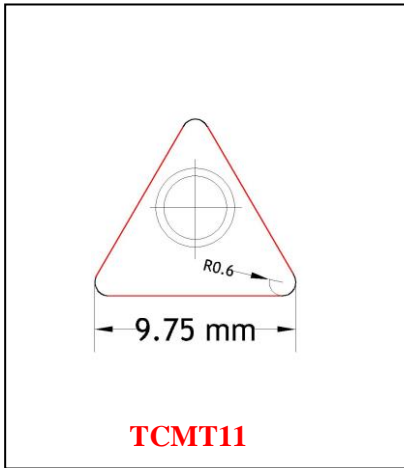
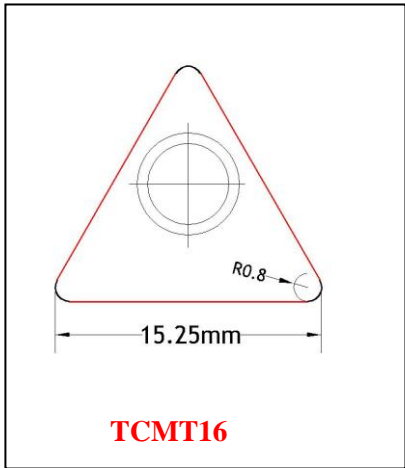
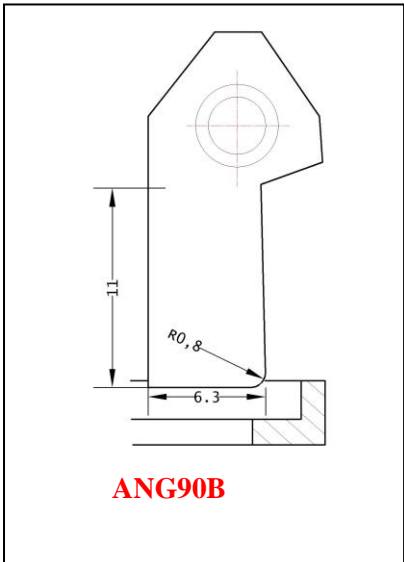
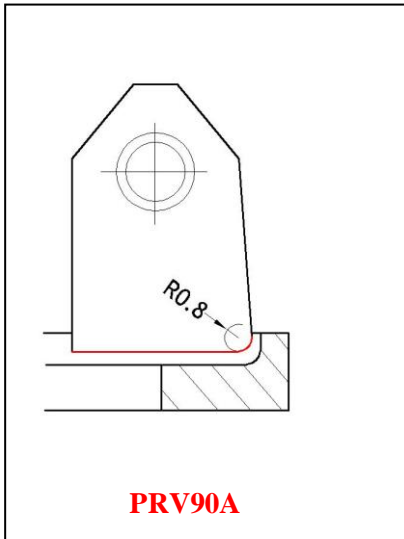
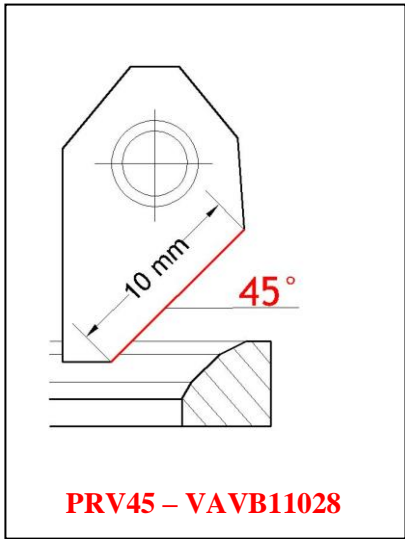
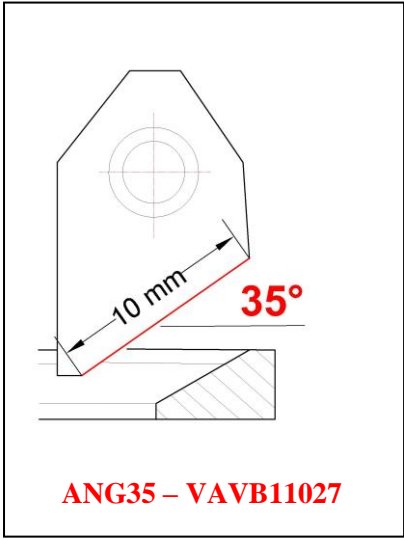
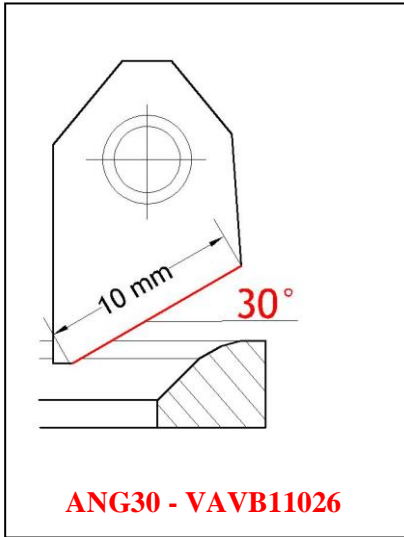
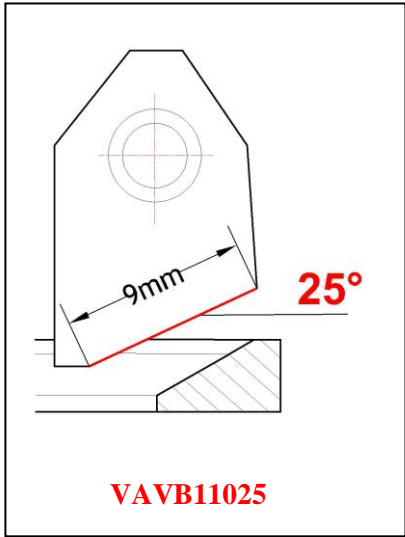
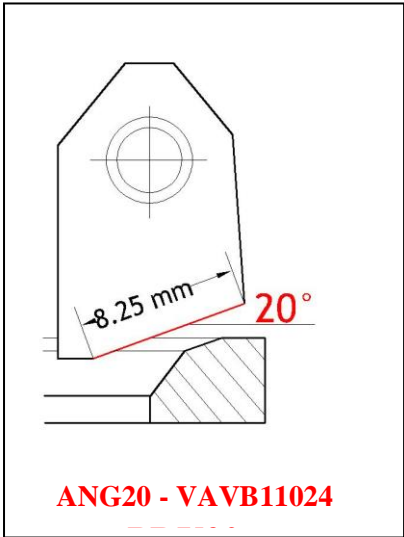
3 ANGLES CARBIDE CUTTING BITS



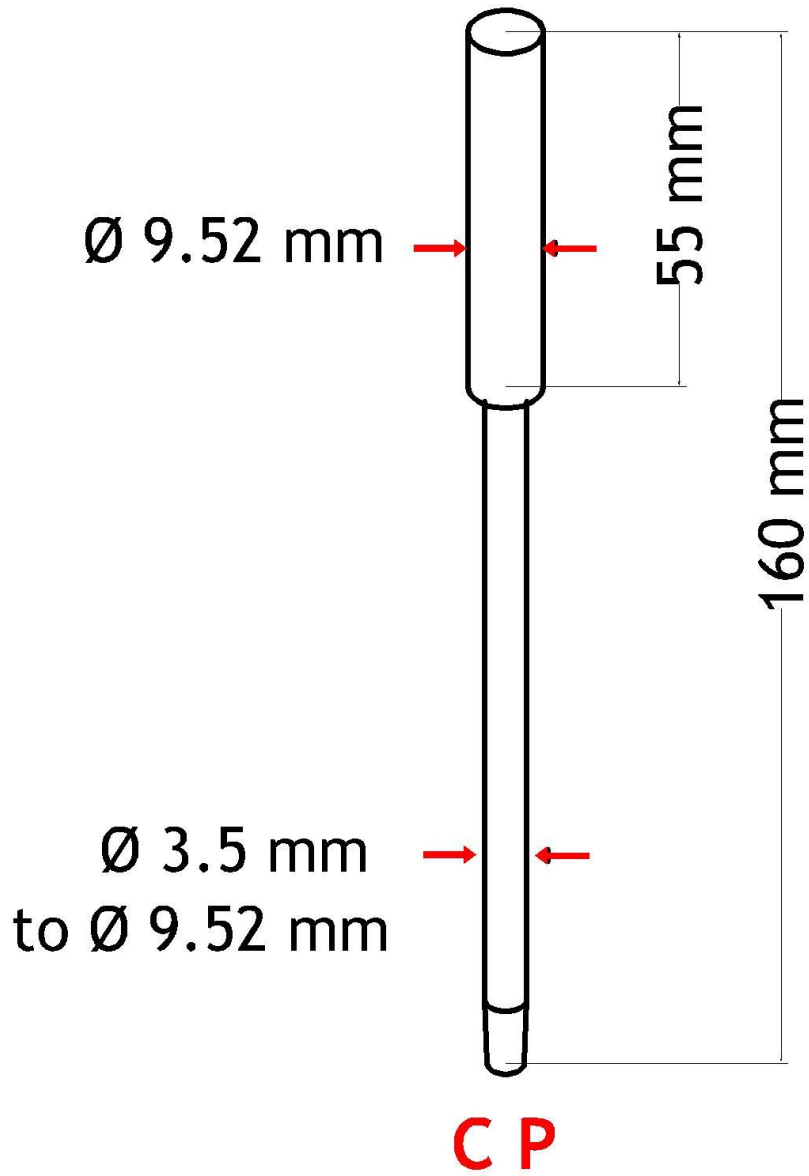
3 ANGLES CARBIDE CUTTING BITS



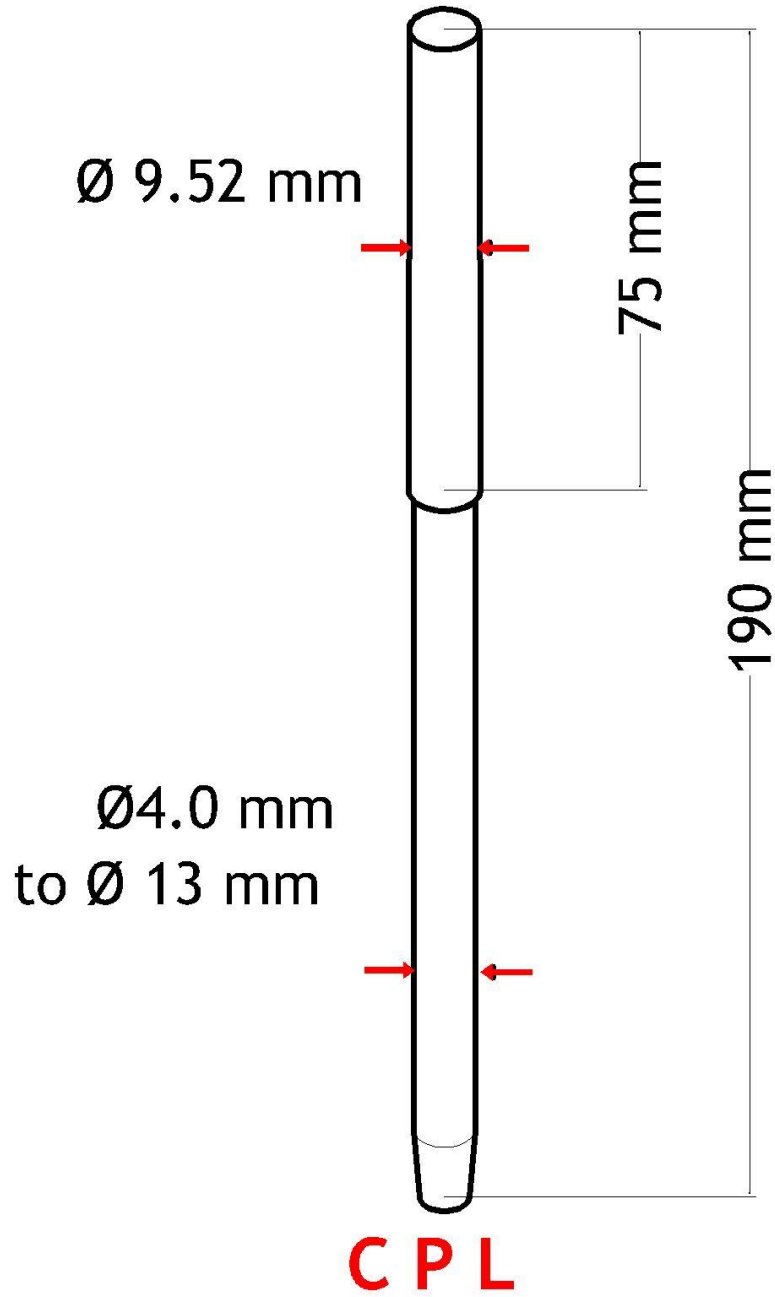
SINGLE ANGLE CARBIDE CUTTING BIT

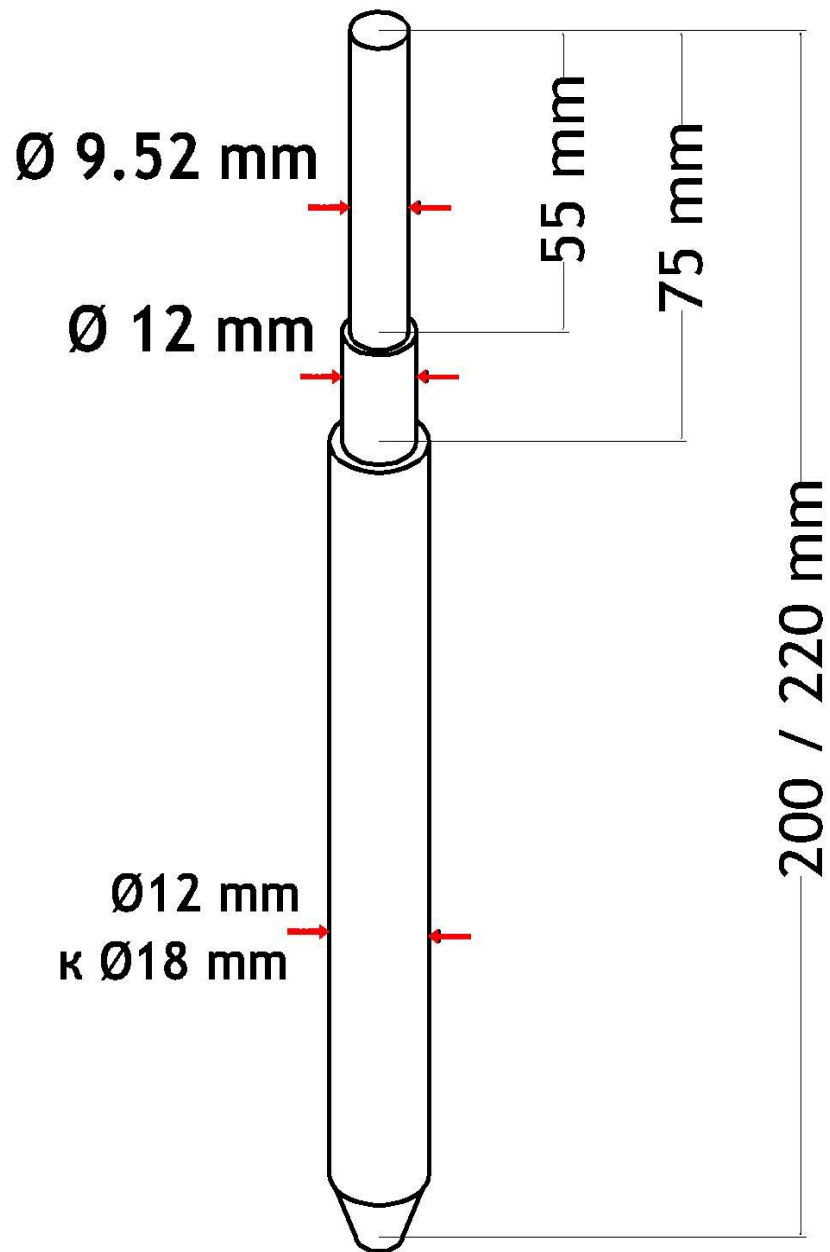


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