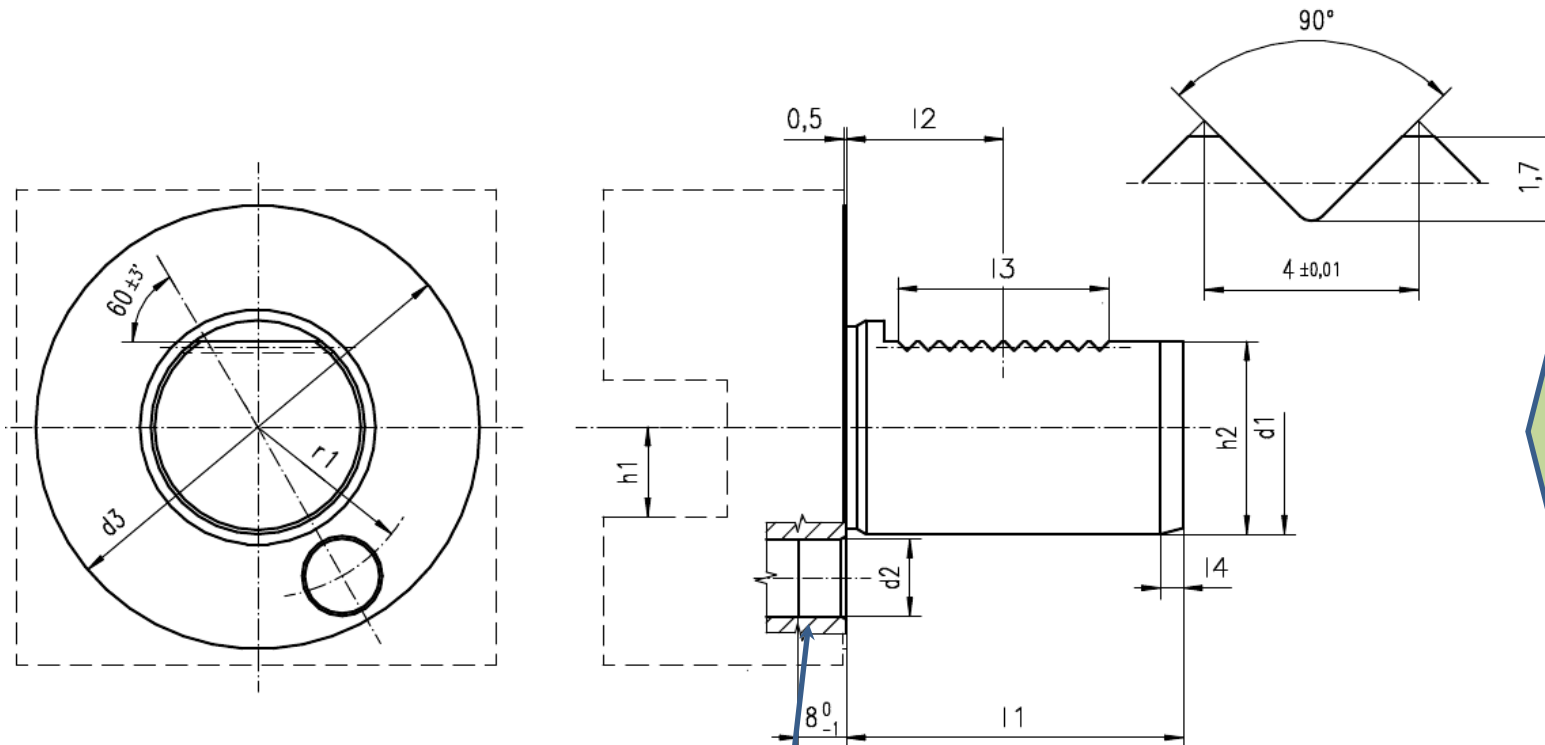




VDI - TOOLHOLDERS



Standard DIN 69880

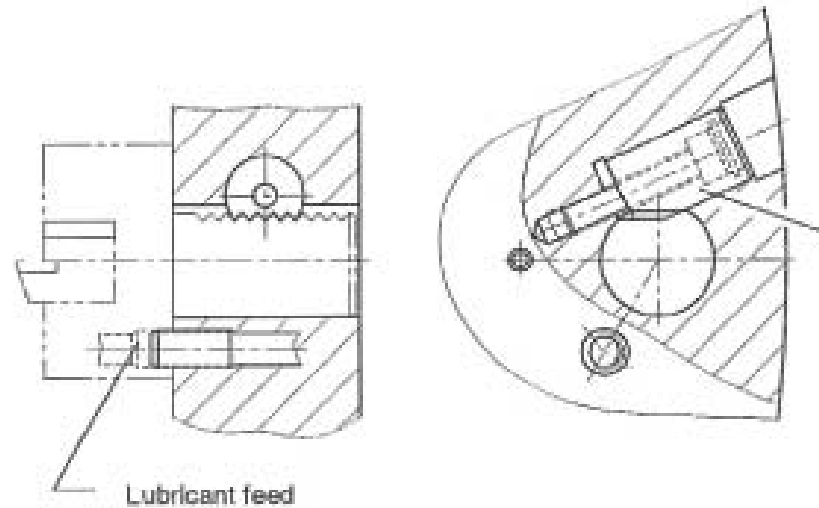


d_1 :

- $\varnothing 16$
- $\varnothing 20$
- $\varnothing 25$
- $\varnothing 30$
- $\varnothing 40$
- $\varnothing 50$
- $\varnothing 60$

d_2 : 8, 10, 14, 16

Clamping VDI toolholder in Lathe turret



Typical VDI turrets in CNC turning centers



Example of VDI turrets with fixed VDI tools



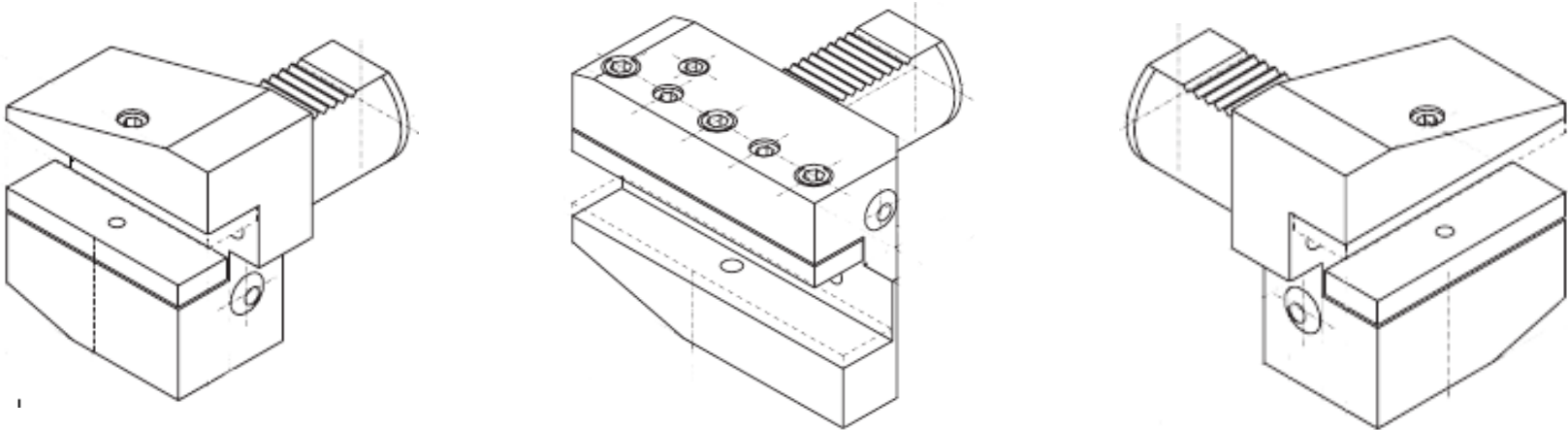
RADIAL TURRET



AXIAL TURRET



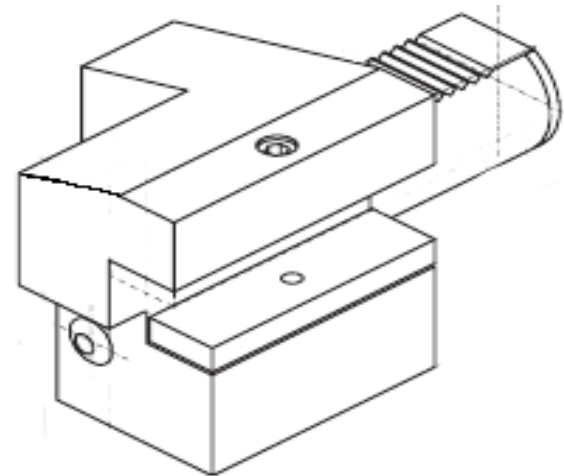
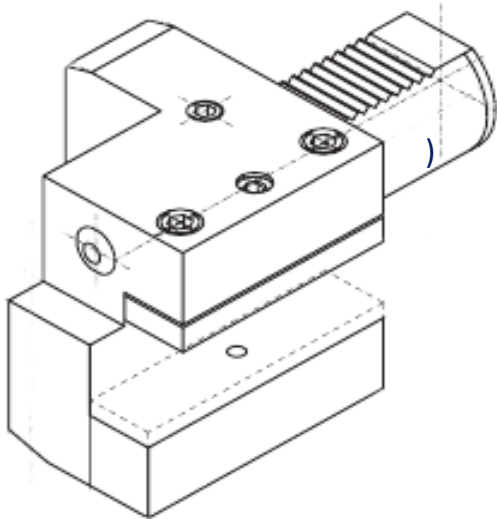
VDI TOOLHOLDERS - RADIAL



❖ Cutting tool is perpendicular to spindle axis

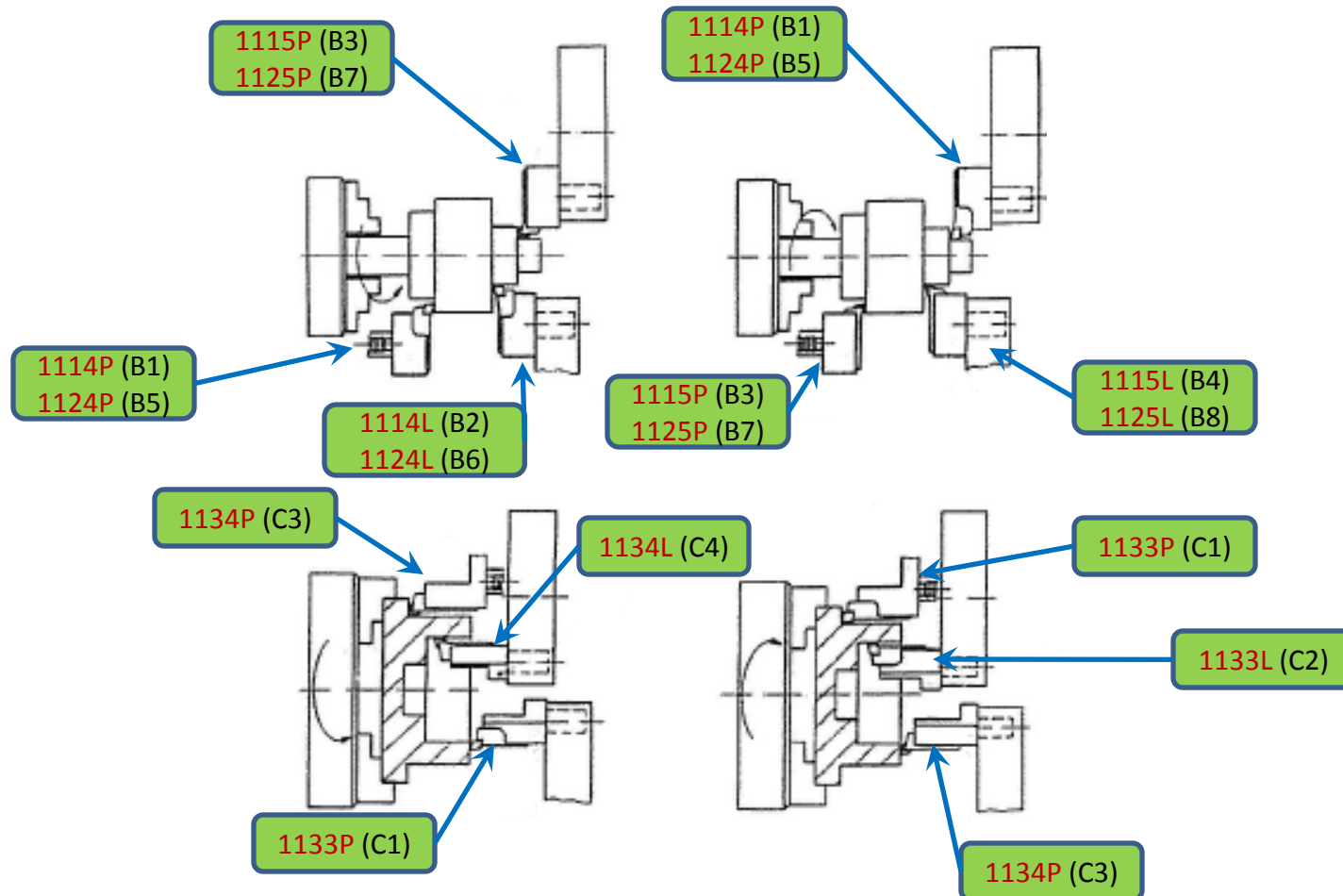


VDI TOOLHOLDERS - AXIAL



❖ Cutting tool is concentric to spindle axis

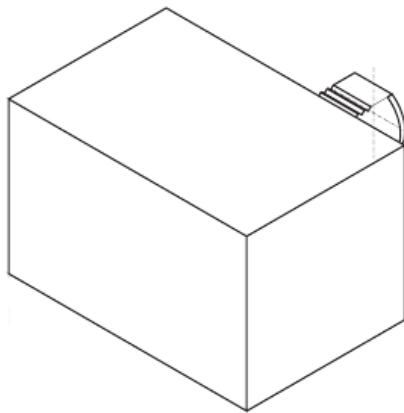
Examples of application



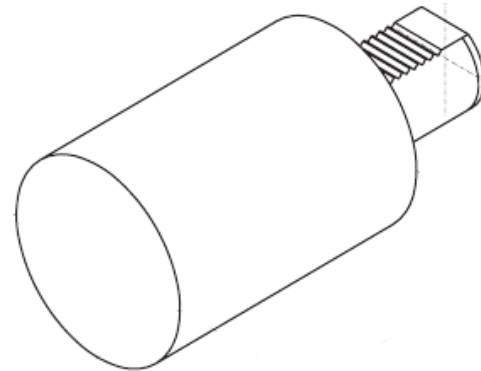


Blank Toolholders

Type 1201 (A1)
Squared



Type 1203 (A2)
Rounded





Radial Toolholders

Shank of toolholder DIN 69880

Screw R1/8"

Clamping
screws

Fixation wedge

Plate

1114L (B2)

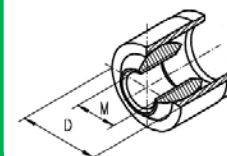
Collant nozzle

1114L (B2)

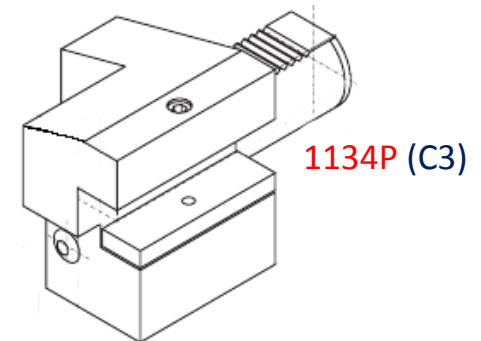
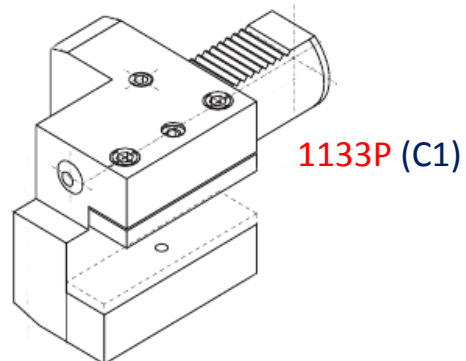
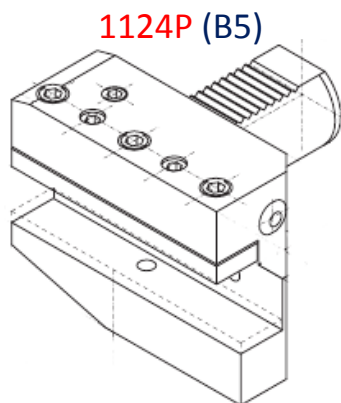
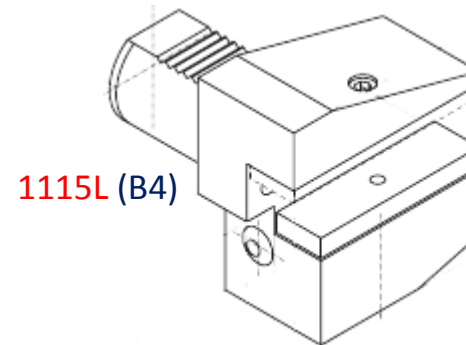
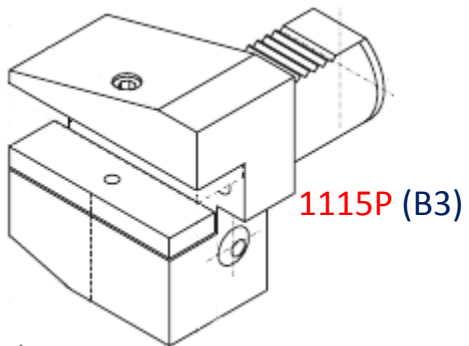
Knife size

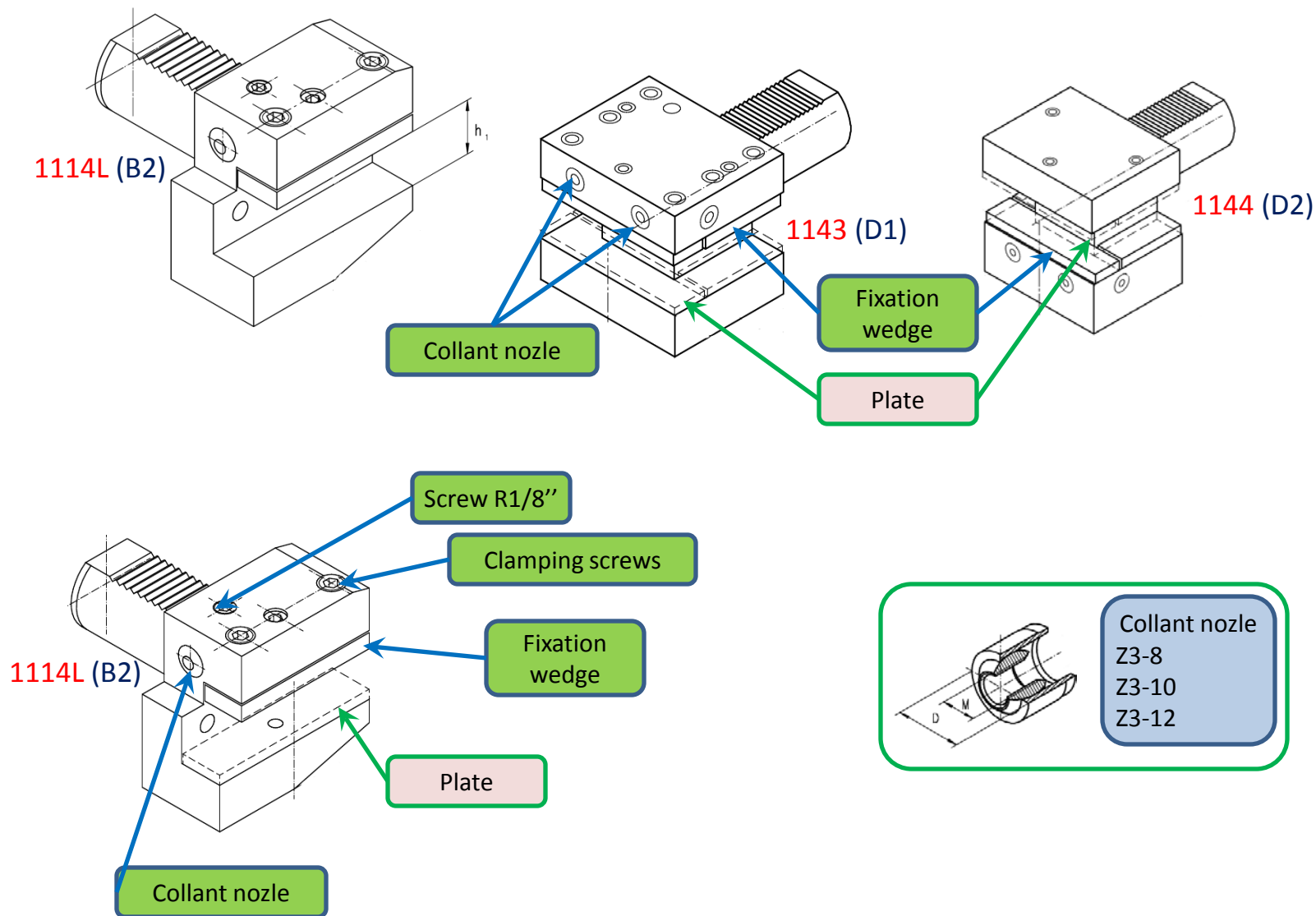
1114P (B1)

Collant nozzle
Z3-8
Z3-10
Z3-12

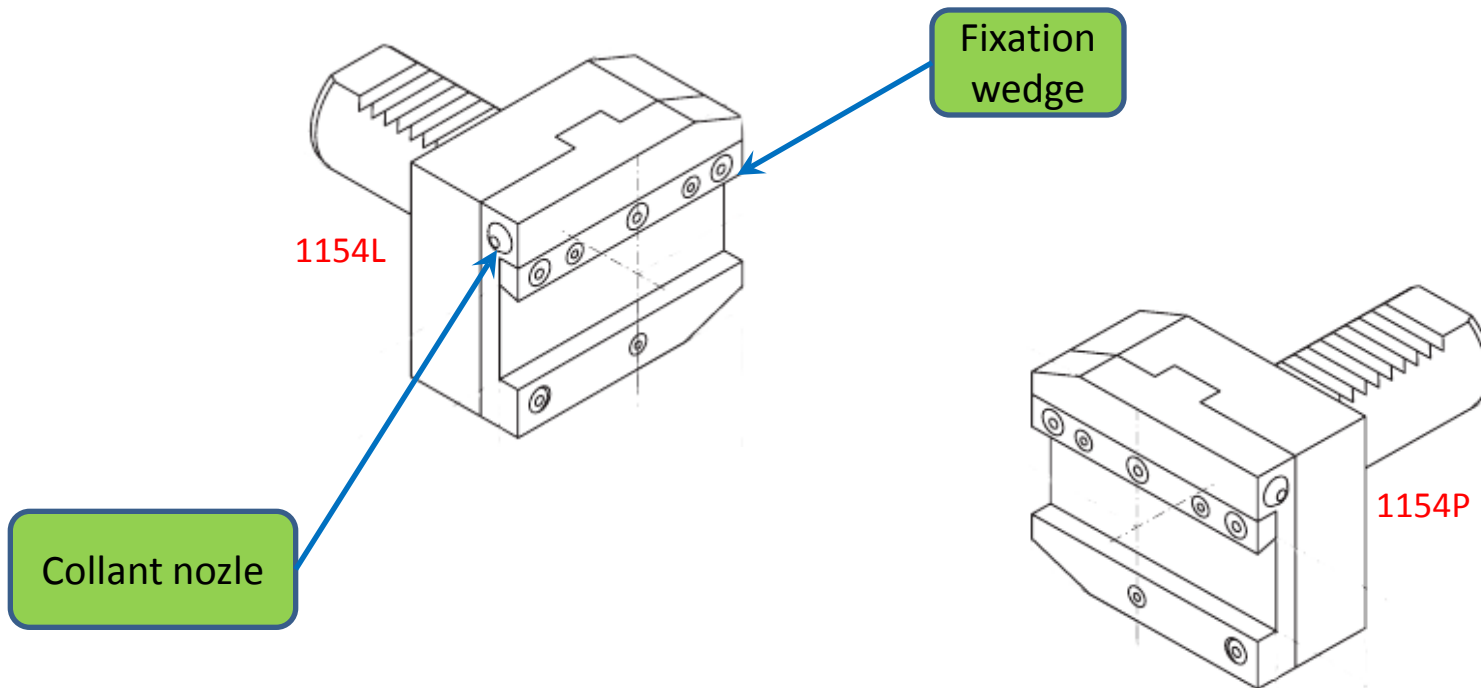


Toolholders

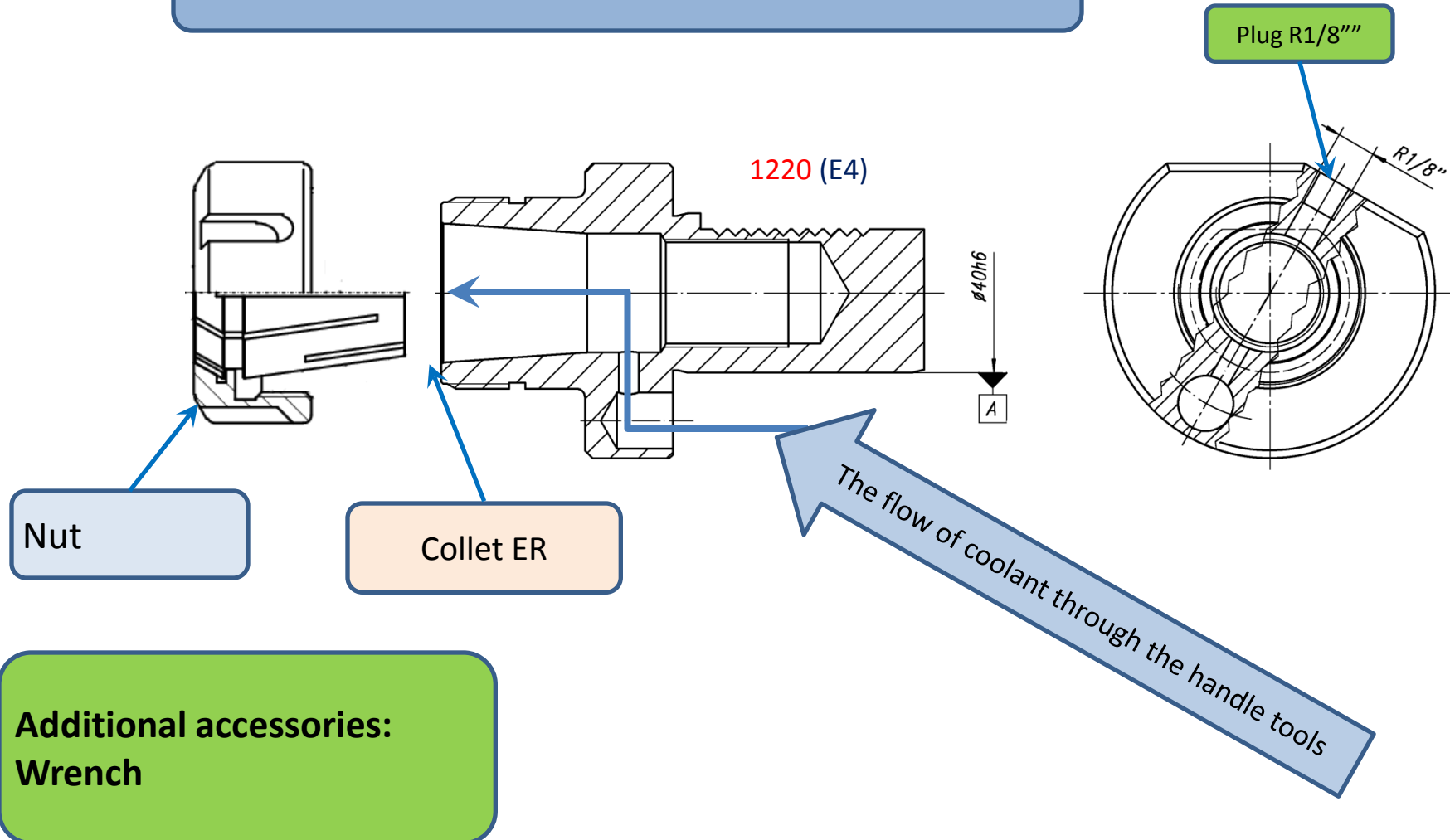




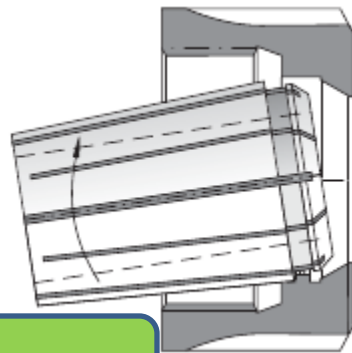
Toolholders for cutting knives



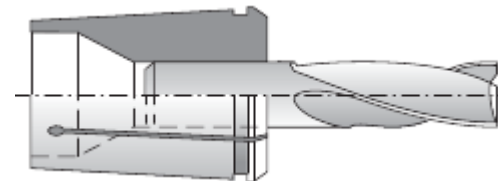
Toolholders for collets ER (DIN 6499)



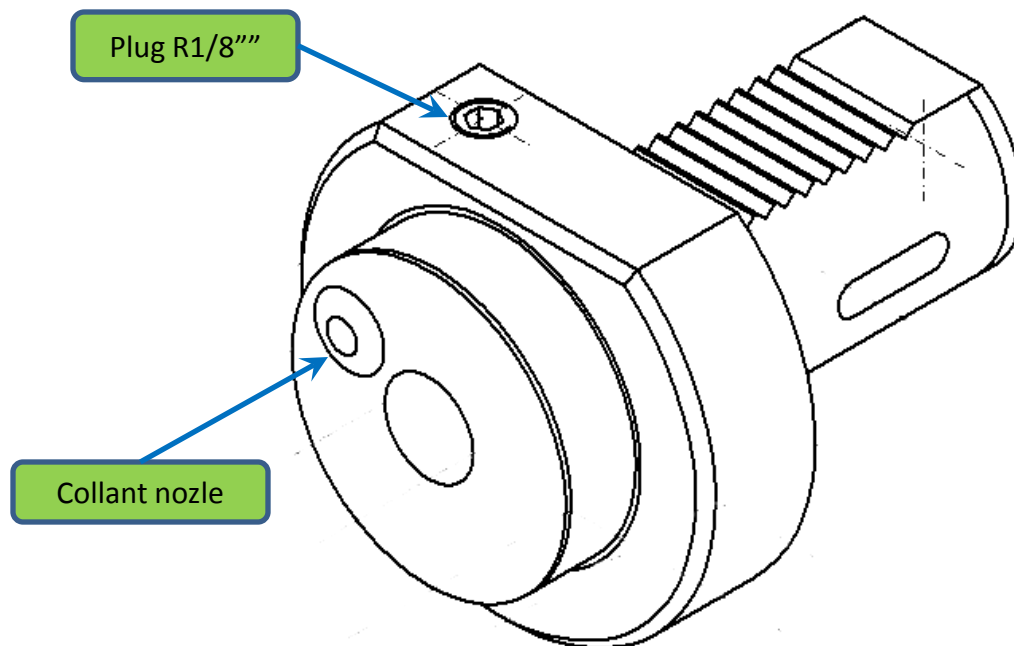
Fastening tools in collets ER



Inserting the collet into nut

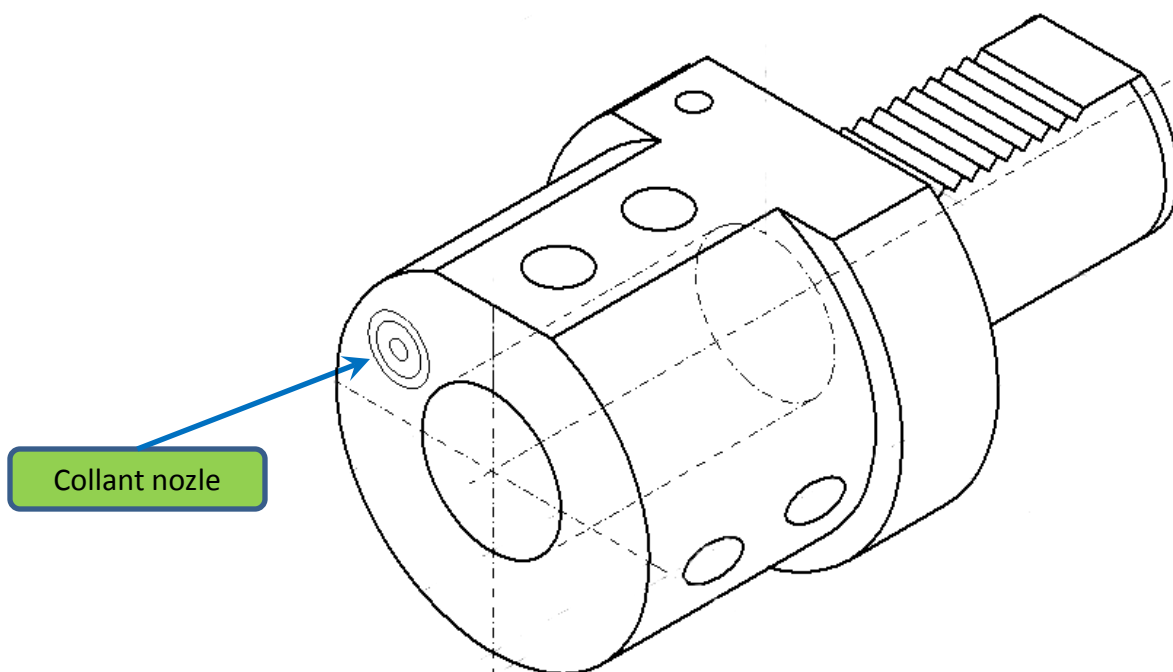


Reducing sleeves with Morse taper 1224



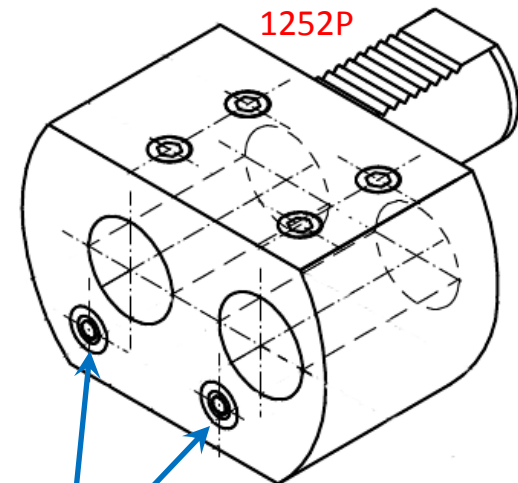
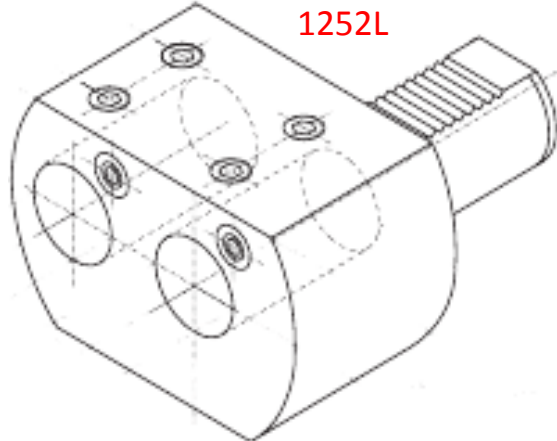
Toolholders for tools with cylindrical shank
DIN 1835B,E i ISO 3338/2

1253



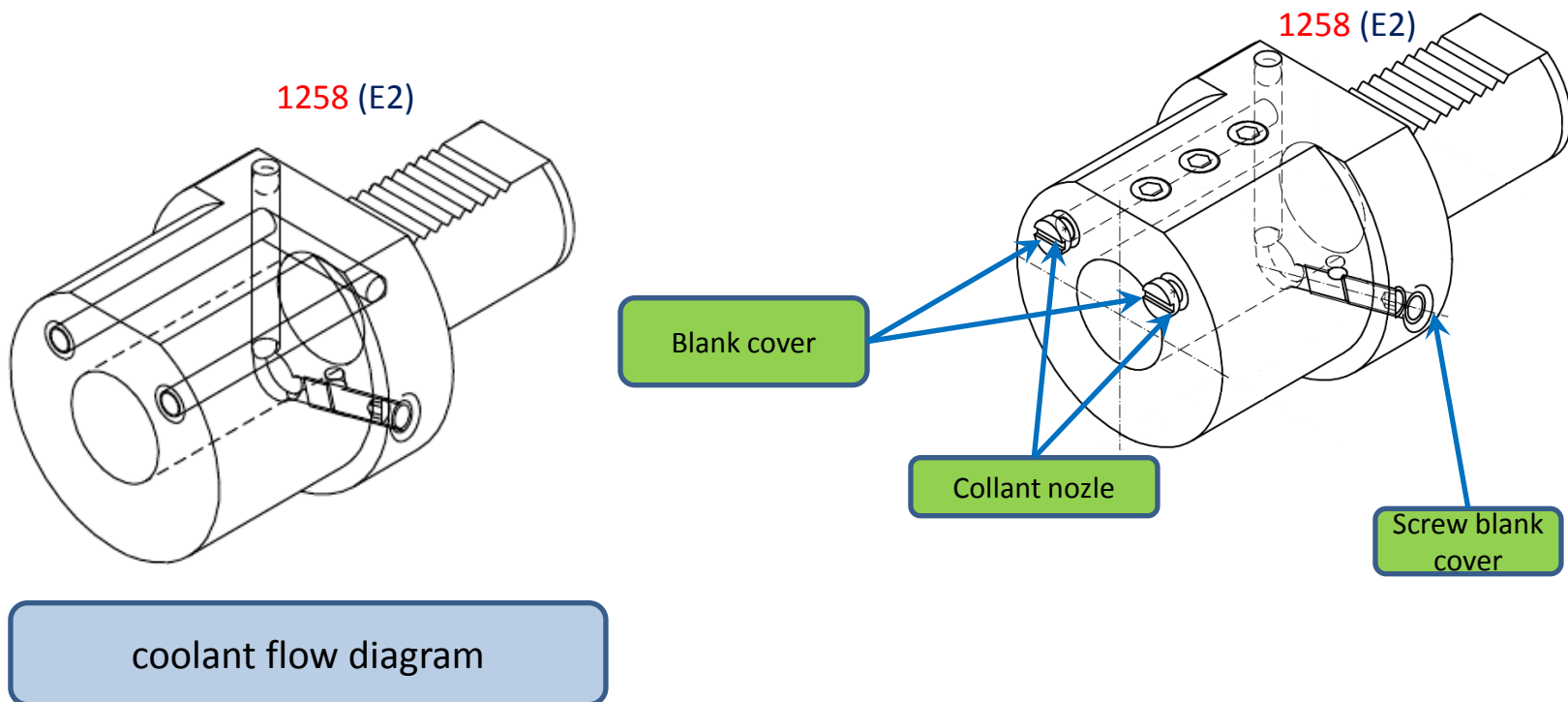
Collant nozzle

Toolholders for tools with cylindrical shank, double



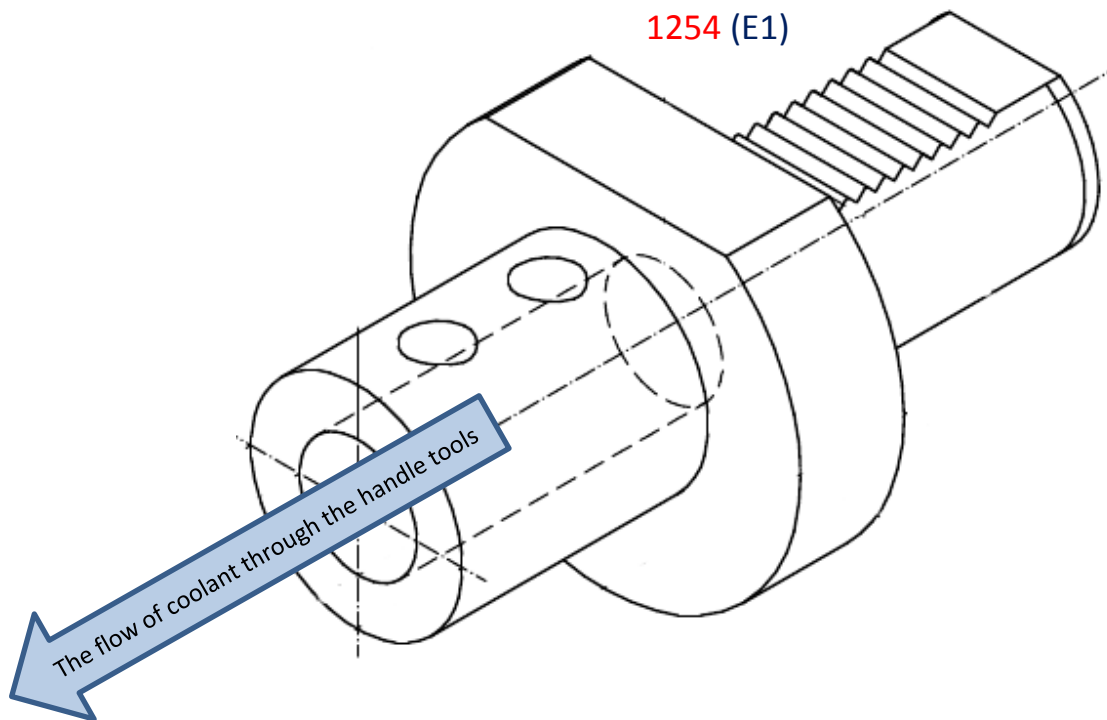
Collant nozle

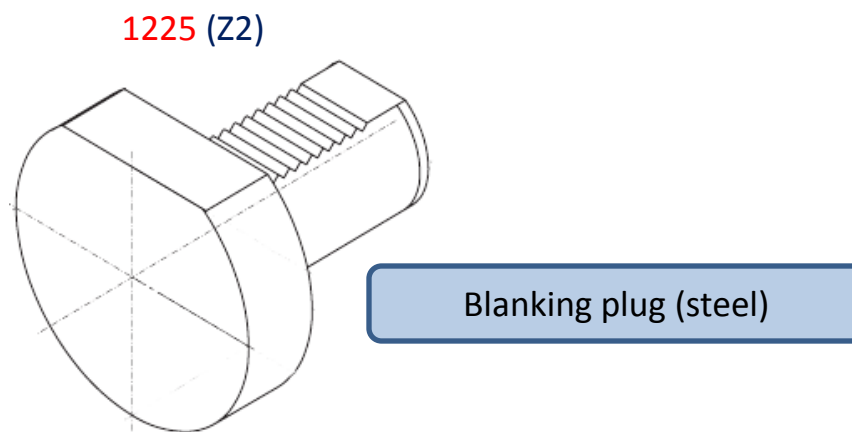
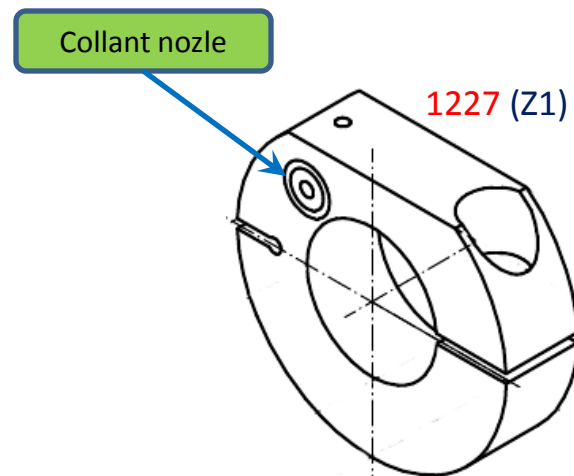
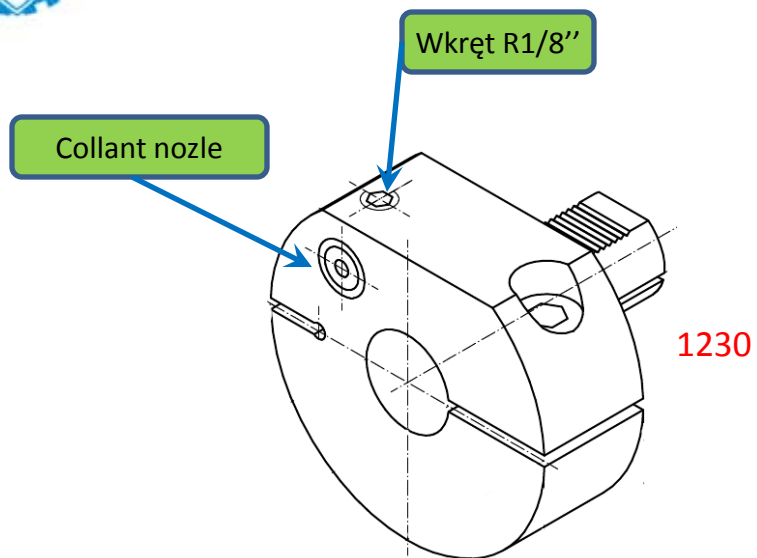
Toolholders for tools with cylindrical shank ,
internal or external



Toolholders for tools with cylindrical shank,
internal coolant

The flow of coolant through the
tool shank





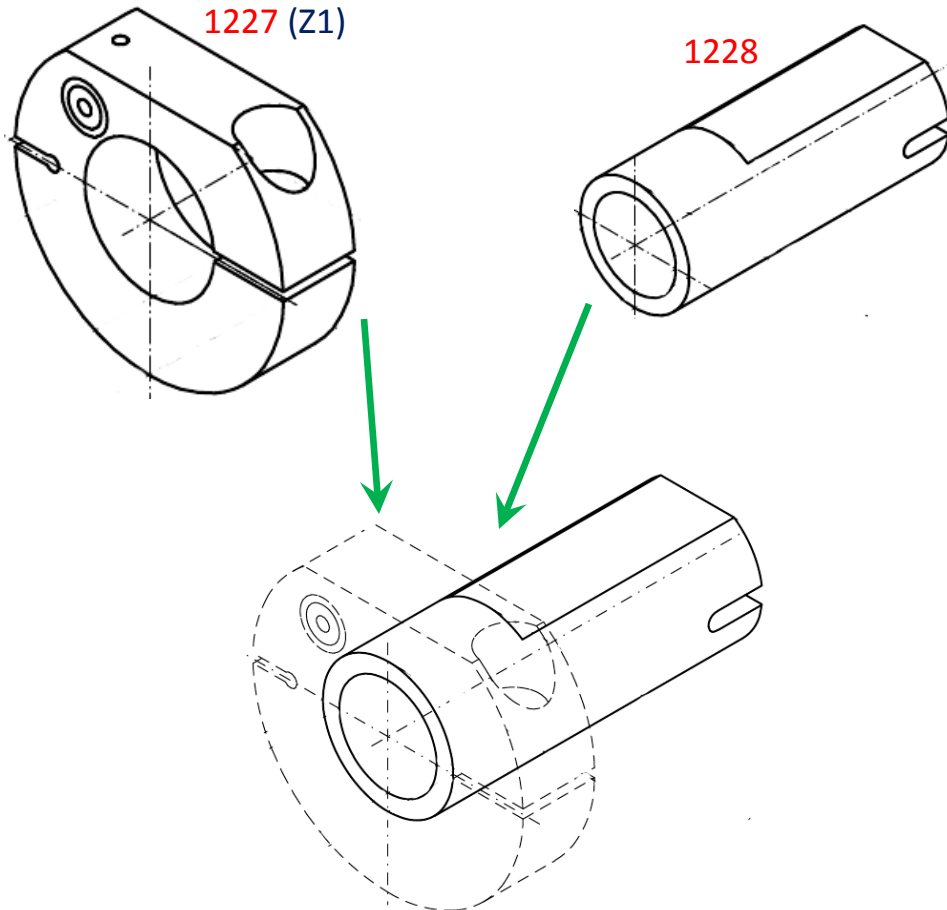


Reducing sleeves

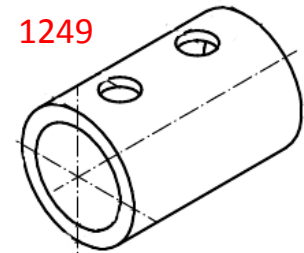
1228 –Reducing sleeves with Morse taper

1227 (Z1)

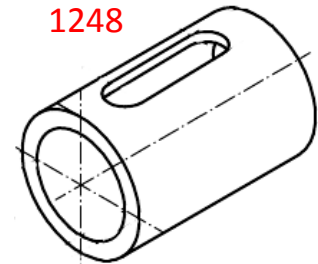
1228



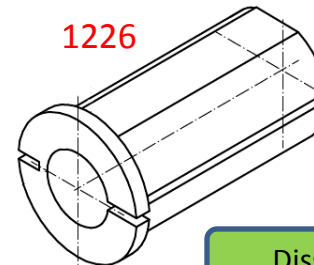
1249



1248



1226

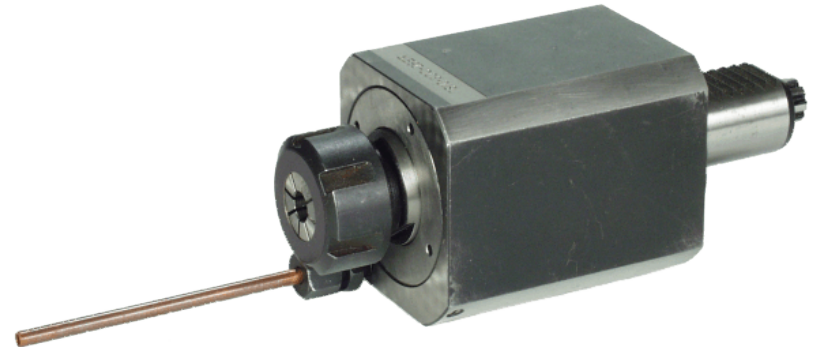


Dissected sleeve

VDI TOOL HEADS DRIVEN TOOLS

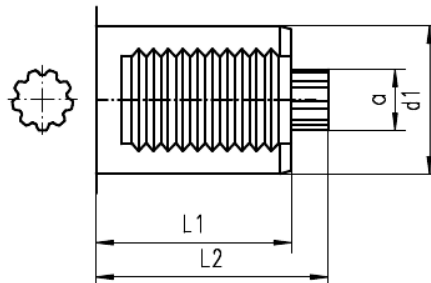


RADIAL TOOL HEADS

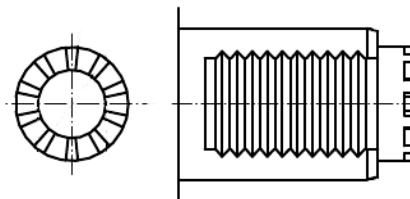


AXIAL TOOL HEADS

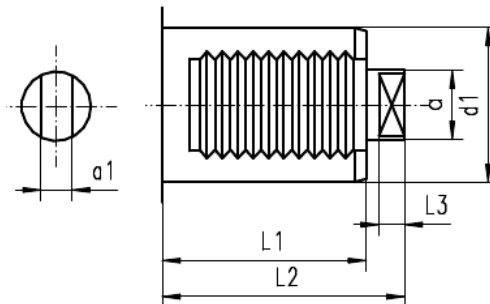
Driven couplings for CNC lathes



DIN 5482



Spur coupling



DIN 1809

Axial tool heads Type 7901

Type - Size

7901-30C-ER20

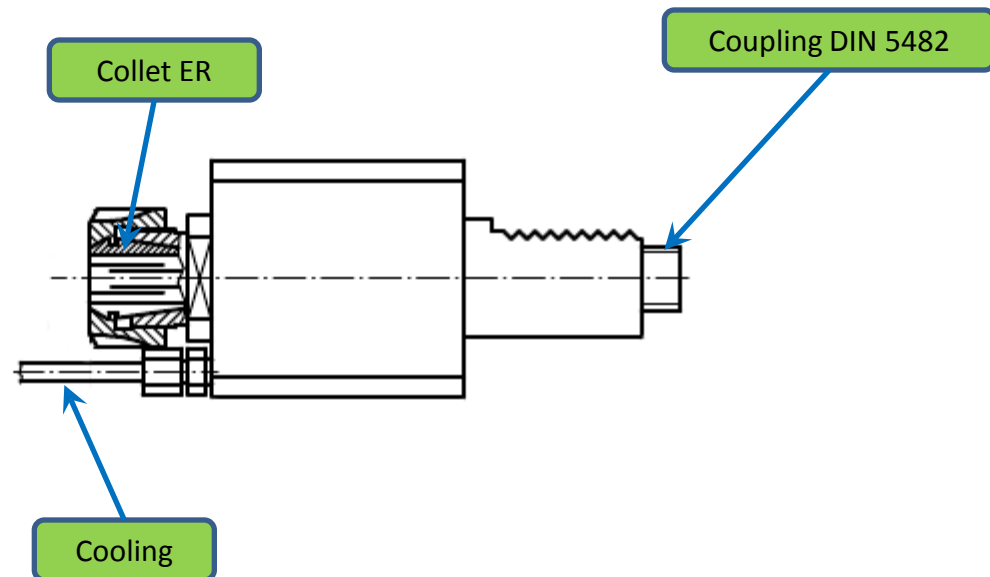
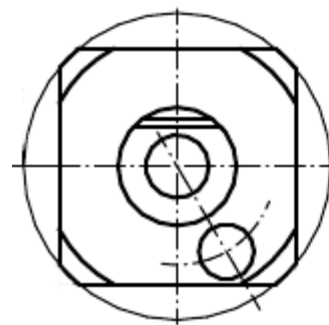
7901-30C-ER25

7901-40C-ER25

7901-40C-ER32

7901-50C-ER32

7901-50C-ER40



Radial tool heads Type 8011

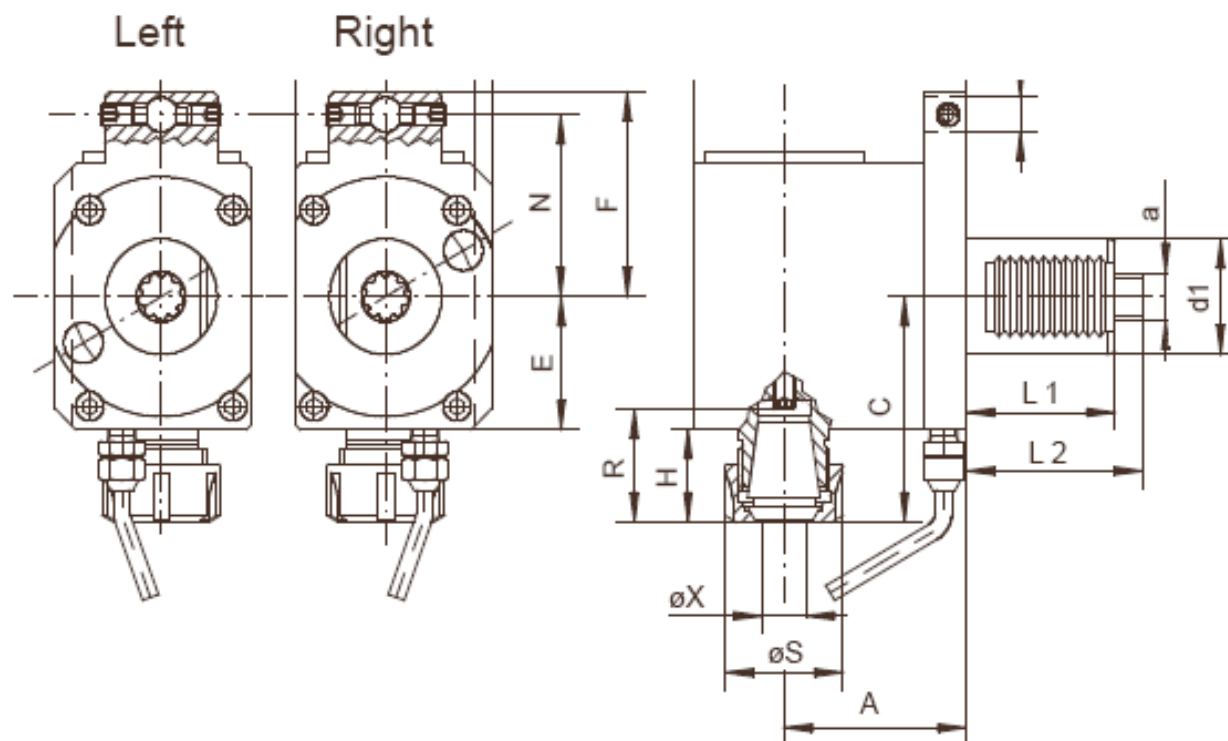
Type - Size

8011-30C-ER20-P

8011-30C-ER20-L

8011-40C-ER25-P

8011-40C-ER25-L



Radial tool heads, reversible speed Type 8021

Type - Size

8021-30C-ER20-P
8021-30C-ER20-L
8021-40C-ER25-P
8021-40C-ER25-L

