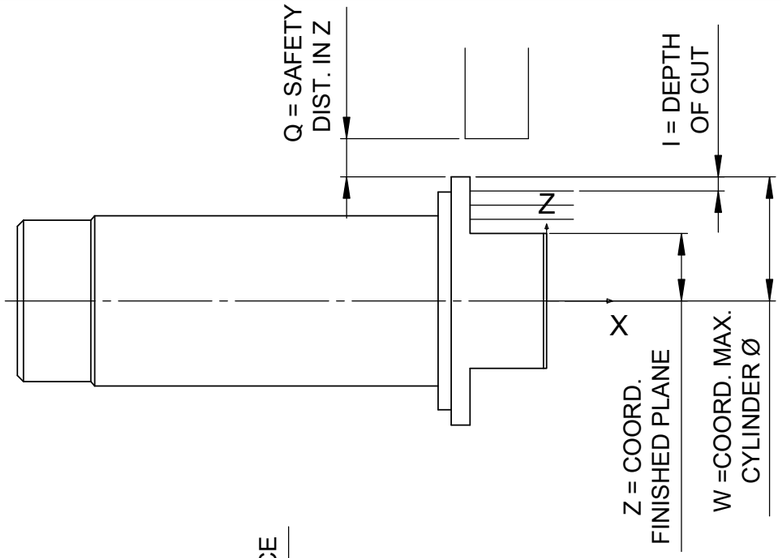
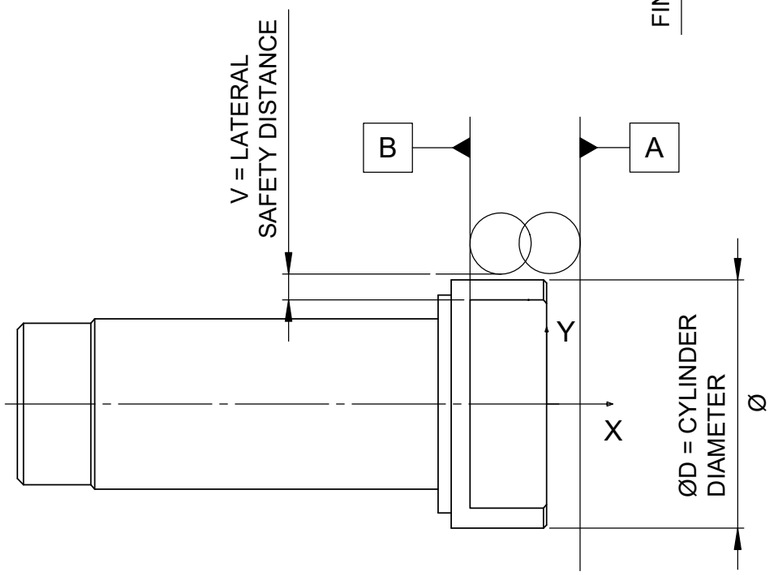
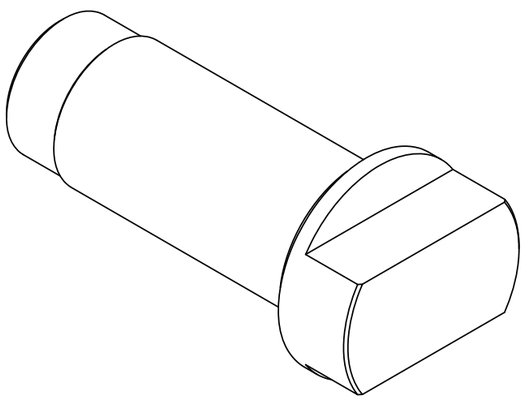




NOTE FOR OPEN PROFILES: The macro always starts from the milling of side A going towards B, so in the case of open profiles enter in variable A the position of a virtual shoulder slightly outside the workpiece, so that in the first cut the tool will not be 100% engaged. If you use a cutter that covers the entire area, then set side A on the shoulder and side B outside the workpiece and directly set the number of cuts to 1 (U1) in the parameter.

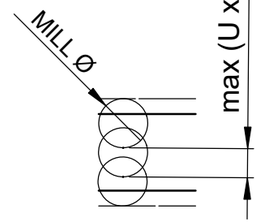


PARAMETER LIST

A=FIRST SIDE EDGE COORDINATE
B=SECOND SIDE EDGE COORDINATE
D=CYLINDER DIAMETER
V=LATERAL SAFETY DISTANCE
S=LATERAL EXIT CUTTER CENTRELINE
Z=END DIMENSION IN Z
W=DIMENSION IN Z EXTERNAL DIAMETER
I=INCREMENT IN Z
U=NUMBER OF CUTS ON THE PLANE / % CUTTER DIAM.
Q=SAFETY DISTANCE IN Z
K=TOOL TIP ORIENT. STARTING CUT 1=INCREMENTS IN X 2=INCREM. IN Y
T=STRATEGY SELECTION

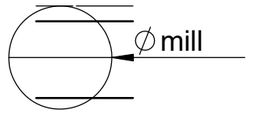
PARAMETERS FOR DEFINING THE NUMBER OF CUTS OVER THE PLANE

if U<1
U = max. engagement factor of the cutter diameter



if U≥1
U = number of cuts

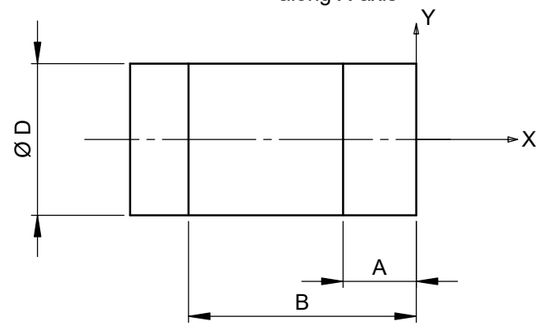
By setting U equal to the number of cuts, the macro divides the section to be milled into U cuts.



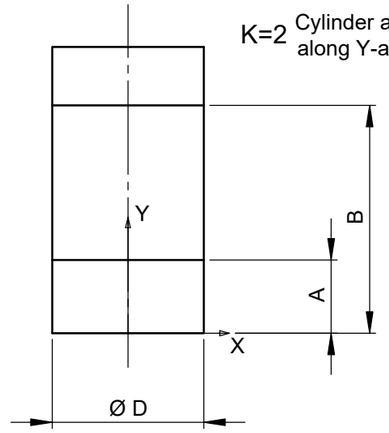
U = 1

WORKPIECE ORIENTATION

K=1 Cylinder axis along X-axis

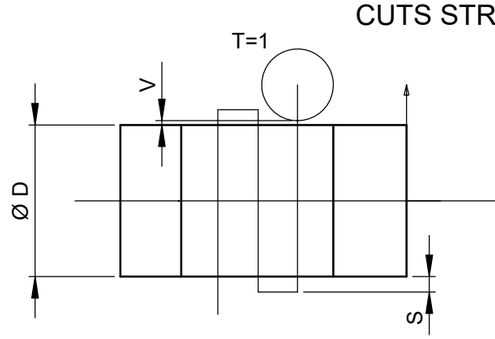


K=2 Cylinder axis along Y-axis

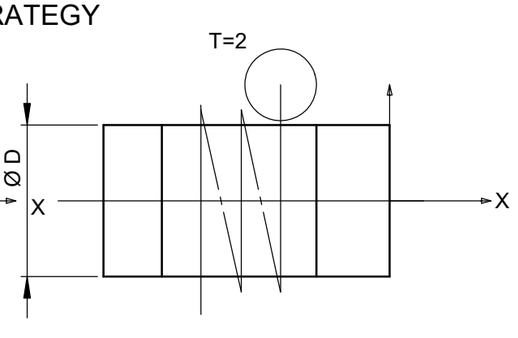


CUTS STRATEGY

T=1



T=2



MOD	DESCRIPTION	DATE	NAME

www.cncofcourse.com
info@cncofcourse.com

	Date	Name
Drawn by:		Ing.P.Zanetti
Checked by:		

Scale:

Material:

Non-quoted chamfers 0.5 mm
General tolerances: UNI ISO 2768-m

Dis. N°:
TABLE-FA07_REV3_EN

Detail:
CYLINDER FACE MILLING TABLE