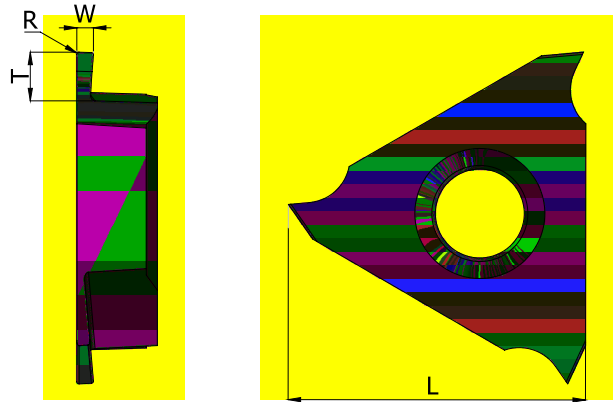# 16 mm Inserts and Toolholders

Grooving

Right Version

Right hand cutting

Insert Size L	Ordering Code	W ±0.02	T max	R	Feed mm/rev	
					Radial	Axial
16	G16 R W05 T12	0.5	1.2	0.05	0.01-0.06	0.02-0.08
	G16 R W10 T20	1.0	2.0	0.05	0.02-0.07	0.02-0.10
	G16 R W15 T25	1.5	2.5	0.10	0.03-0.08	0.02-0.10
	G16 R W20 T25	2.0	2.5	0.15	0.05-0.10	0.02-0.15
	G16 R W25 T25	2.5	2.5	0.20	0.05-0.10	0.02-0.15

	K20	GX7
P		●
M	●	●
K	●	○
N	●	
S	●	●
H		≤58 HRc

For L.H, specify G16 L instead of G16 R

Grooving, Circlip Ring Grooves
DIN 471/472

Right hand cutting

Insert Size L	Ordering Code	Nom` groove width	W-0.05	T max	R	Feed mm/rev	
						Radial	Axial
16	G16 R W07 T20	0.7	0.77	2.0	0	0.01-0.06	0.02-0.08
	G16 R W08 T20	0.8	0.87	2.0	0	0.01-0.06	0.02-0.08
	G16 R W09 T25	0.9	0.97	2.5	0	0.02-0.07	0.02-0.10
	G16 R W12 T25	1.1	1.24	2.5	0.05	0.02-0.07	0.02-0.10
	G16 R W14 T25	1.3	1.44	2.5	0.05	0.03-0.08	0.02-0.10
	G16 R W17 T25	1.6	1.74	2.5	0.05	0.03-0.08	0.02-0.10

	K20	GX7
P		●
M	●	●
K	●	○
N	●	
S	●	●
H		≤58 HRc

For L.H, specify G16 L instead of G16 R

Nom` = nominal

● First choice   ○ Alternative

Swiss-Line

- Swiss style lathes are becoming a popular alternative to large lathes and machining centers in many companies.
- CPT offers a large and versatile product line of inserts and toolholders, developed for automatic and Swiss style lathes.
- Designed for economic production of parting, grooving, profiling threading and chamfering.

Polygon Inserts and Toolholders

CPT extends the Swiss Line range by offering a new type of polygon inserts and toolholders for external turning, grooving, parting and threading on Swiss-Type machines. Specially designed for small parts machining.

Features

- High precision ground inserts.
- All inserts can be used with same toolholders.
- A combination of the latest carbide and coating technologies guarantees maximum tool life and improved productivity.
- Compatible with a wide range of materials.
- Coated holders provide abrasive resistance.

Carbide grades: BLU, GX7, K20

C.P.T.

Product Identification - Ordering Codes
Polygon Inserts

G		25	R	W07	T25	BLU

G = Swiss Groove

Insert Size
L = 25, 40 mm

R = Full Radius
P = Parting
B = Back Turning
F = Front Turning
T = Threading

Width
W05 = 0.5 mm
W07 = 0.75 mm

Radius
R04 = 0.4 mm
R05 = 0.5 mm

A30 = 30°

Threading
A60 = 60° thread
A55 = 55° thread

Carbide Grade:
BLU = PVD triple coating
GX7= New generation
of grade and coating
K20 = Uncoated

R = Right Hand Cutting
L = Left Hand Cutting
RR = Right Hand Cutting
       Right version
RL = Right Hand Cutting
       Left version
LR = Left Hand Cutting
       Right version
LL = Left Hand Cutting
       Left version
RN = Right Hand Cutting
       Neutral version
LN = Left Hand Cutting
       Neutral version

Depth
T15 = 1.5 mm
T25 = 2.5 mm

T43 = 4.3 mm
T58 = 5.8 mm
T80 = 8.0 mm