

APPLITEC

ISO-Line



APPLITEC
SWISS TOOLING

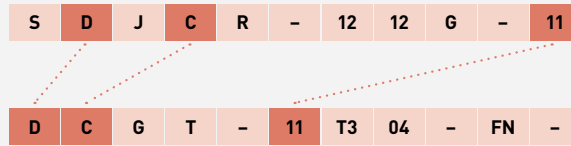
Nouveautés présentées dans ce catalogue
Neuheiten dieses Kataloges
New products introduced in this catalogue



			page
Géométries de coupe Spanformgeometrien Cutting geometries	Métal dur	ENP-X20	5
	VHM	EN-XF3	6
	Carbide	EN-MF2	6
		EN-HF3	7
		CERMET	FN-X8
			ENP-KX
		EN-KM	9
Rayon de pointe Eckenradius Corner radius	DCGT...X8/X17	R = 0.08	30-31
		R = 0.15	30-31
	VCGT...X8/X17	R = 0.08	46-47
R = 0.15		46-47	
Nuances Sorten Grades	Métal dur + PVD	TiX	10
		HTiX	10
		ZTA	10
	VHM + PVD	TiALX	10
		HTAX	10
		Métal dur + CVD	Ti5
	VHM + CVD	HTi5	11
	Carbide + CVD	Ti6	11
	CERMET	CTA	11
		CT7	11
		HCT7	11
		CN6	11
Plaquettes et porte-outils 35° type VC-13		VCGT-1303...	46-49
35° WSP- un Halter typ VC-13		SV...13	38 / 40 / 41
35° inserts and holders type VC-13			
Porte-outils avec arrosage intégré		SC...-JET	15
Halter mit integriertem Kühlmittelzufuhr		SD...-JET	27
Holder with integrated coolant supply		SV...-JET	41
Porte-outils avec section 1/2" x 1/2"		SC...12.7...	12-15
Halter mit 1/2" x 1/2" Querschnitt		SD...12.7...	24-28
Holder with 1/2" x 1/2" section		SV...12.7...	38-42
Paramètres de coupe indicatifs			
Empfohlene Schnittwerte		DATA	54-57
Standard machining data			

Index

Codification des outils ISO-Line
ISO-Line Bezeichnungssystem
ISO-Line designation system



> 2

Géométries de coupe
Spanformgeometrien
Cutting geometries



> 4

Nuances
Sorten
Grades



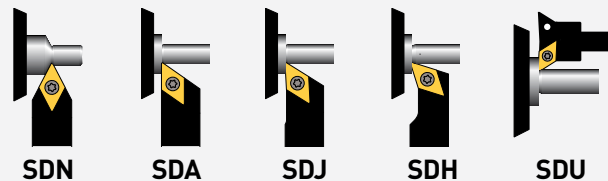
> 10

Porte-outils et plaquettes 80°
Halter und WSP 80°
Holders and inserts 80°



80° > 12

Porte-outils et plaquettes 55°
Halter und WSP 55°
Holders and inserts 55°



55° > 24

Porte-outils et plaquettes 35°
Halter und WSP 35°
Holders and inserts 35°



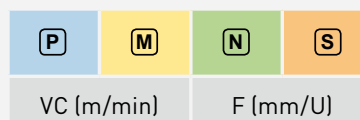
35° > 38

Pièces de rechange et accessoires
Ersatzteile und Zubehör
Spare parts and accessories



> 53

Paramètres de coupe
Schnittwerte
Machining data



> 54

ISO-Line

Codification des porte-outils ISO-Line

ISO-Line Bezeichnungssystem für Halter

ISO-Line designation system for holders

Méthode de serrage Klemmsystem Clamping system	Forme de la plaquette Plattenform Insert shape	Géométrie du porte-outil Halterform Holder geometry	Angle de dépose de la plaquette WSP-Freiwinkel Insert clearance angle	Direction de coupe Schneidrichtung Cut direction		Hauteur du porte-outil Halter Höhe Holder height	Largeur du porte-outil Halter Breite Holder width	Longueur du porte-outil Halter Länge Holder length		Dimension de la plaquette (L) WSP Grösse (L) Insert size (L)
S	D	J	C	R	-	12	12	G	-	11

R **L** **N**

L [mm]

C = 7°

A x B (or Ø) [mm]

- 08 x 08
- 10 x 10
- 12 x 12
- 12.7 x 12.7 (1/2 in)
- 16 x 16
- 20 x 20
- Ø: D10 / D20 / D25.4 (Ø1 in)

Length: [mm]

- F = 75
- G = 90
- J = 110
- X = Special

α:

- A = 0°
- J = 3°
- L = 5°
- H = 17.5°
- X = 27.5°

C = 80°

D = 55°

V = 35°

S = vis
Schraube
screw

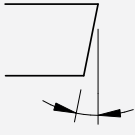


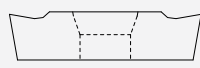
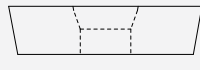
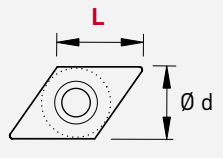
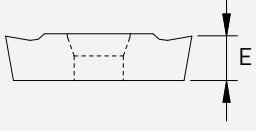






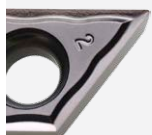

Compatibilité porte-outil - plaquette
Kompatibilität Halter - WSP
Holder - insert compatibility

S	D	J	C	R	-	12	12	G	-	11
D	C	G	T	-	11	T3	04	-	FN	-

Codification des plaquettes ISO-Line

ISO-Line Bezeichnungssystem für WSP

ISO-Line designation system for inserts

Forme de la plaquette Plattenform Insert shape	Angle de dépoli de la plaquette WSP-Freiwinkel Insert clearance angle	Classe de tolérance Toleranz Klasse Tolerance class	Brise-copeau Spanbrecher Chip breaker	Dimension de la plaquette (L) WSP Größe (L) Insert size (L)	Épaisseur de la plaquette (E) WSP Dicke (E) Insert thickness (E)	Rayon de pointe de la plaquette WSP Eckenradius Insert corner radius	Exécution d'arête et direction de coupe Schneidkante Ausführung und Schneidrichtung Edge type and cutting direction	Géométrie de coupe Spanformgeometrie Cutting geometry												
D	C	G	T	11	T3	04	FN	X8												
<p>C = 7°</p> 		<p>G = ±0.025 mm</p>  <p>M = ±0.05 mm</p> 	<p>T</p>  <p>W</p> 	<p>L</p>  <p>[mm]</p>	<p>02 = 2.38 mm</p> <p>03 = 3.18 mm</p> <p>T3 = 3.97 mm</p> <p>04 = 4.76 mm</p> 	<p>R:</p> <p>003 = 0.03 mm</p> <p>005 = 0.05 mm</p> <p>008 = 0.08 mm</p> <p>01 = 0.1 mm</p> <p>02 = 0.2 mm</p> <p>04 = 0.4 mm</p> <p>08 = 0.8 mm</p> 	<p>FN</p>  <p>EN</p>  <p>ENP</p>  <p>FL / FR</p>  <p>ELP / ERP</p> 	<p>cf.: Géométrie de coupe Spanformgeometrie Cutting geometry</p> 												
<p>C = 80°</p> 				<table border="1"> <thead> <tr> <th>L</th> <th>Ø d [mm]</th> </tr> </thead> <tbody> <tr> <td>CC...06</td> <td rowspan="3">6,350</td> </tr> <tr> <td>DC...07</td> </tr> <tr> <td>VC...11</td> </tr> <tr> <td>VC...13</td> <td>7,940</td> </tr> <tr> <td>CC...09</td> <td rowspan="3">9,525</td> </tr> <tr> <td>DC...11</td> </tr> <tr> <td>VC...16</td> </tr> </tbody> </table>	L	Ø d [mm]	CC... 06	6,350	DC... 07	VC... 11	VC... 13	7,940	CC... 09	9,525	DC... 11	VC... 16				
L	Ø d [mm]																			
CC... 06	6,350																			
DC... 07																				
VC... 11																				
VC... 13	7,940																			
CC... 09	9,525																			
DC... 11																				
VC... 16																				

ISO-Line


G Géométries de coupe
G Spanformgeometrien
G Cutting geometries


G
 tolerance class

Plaquettes en métal dur rectifiées
 VHM geschliffene WSP
 Carbide ground inserts

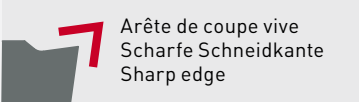
Finishing

FN-X8

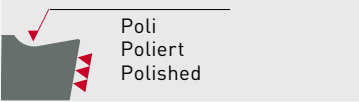




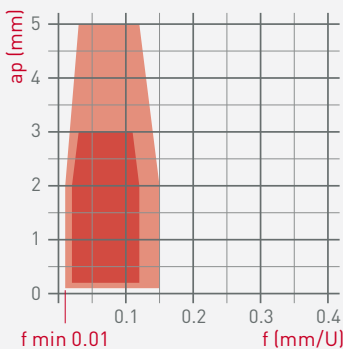
8°



Arête de coupe vive
 Scharfe Schneidkante
 Sharp edge



Poli
 Poliert
 Polished




f min 0.01


P	★★★★★
M	★★★★
N	★★★★
S	★★★

CCGT	DCGT	VCGT
p. 16	p. 30	p. 46

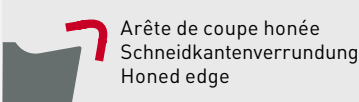
Semi-finishing

ENP-X8






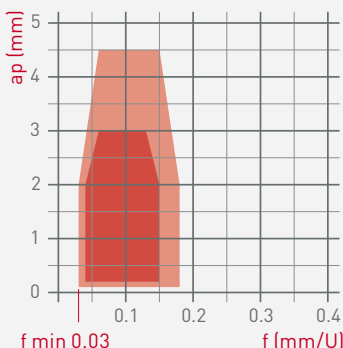
8°



Arête de coupe honée
 Schneidkantenverrundung
 Honed edge



Poli
 Poliert
 Polished




f min 0.03


P	★★★★★
M	★★★
N	★★★
S	★★★

CCGT	DCGT	VCGT
p. 16	p. 30	p. 46

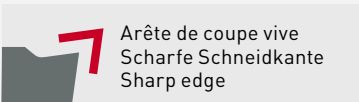
Finishing

FN-X17






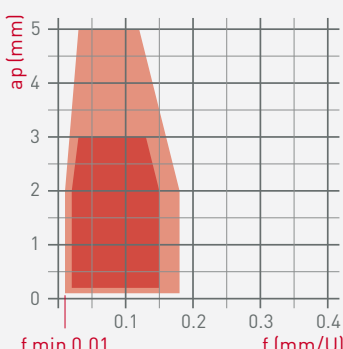
17°



Arête de coupe vive
 Scharfe Schneidkante
 Sharp edge



Poli
 Poliert
 Polished




f min 0.01


P	★★★
M	★★★★★
N	★★★★★
S	★★★★★

CCGT	DCGT	VCGT
p. 17	p. 31	p. 47

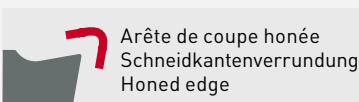
Semi-finishing

ENP-X17






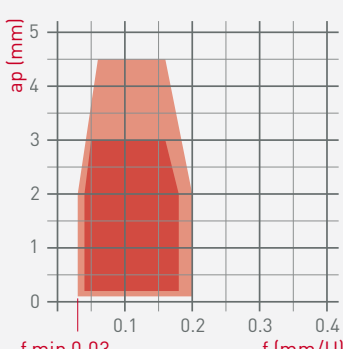
17°



Arête de coupe honée
 Schneidkantenverrundung
 Honed edge



Poli
 Poliert
 Polished



f min 0.03

P	★★★
M	★★★★★
N	★★★
S	★★★★★

CCGT	DCGT	VCGT
p. 17	p. 31	p. 47


Géométries de coupe
Spanformgeometrien
Cutting geometries

G
 tolerance class

Plaquettes en métal dur rectifiées
 VHM geschliffene WSP
 Carbide ground inserts

FN-X25

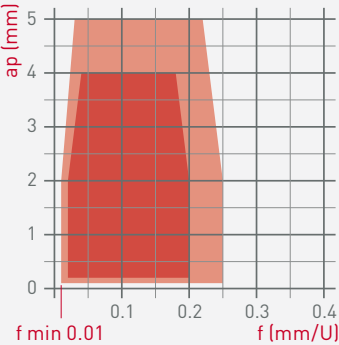
Finishing



25°

Arête de coupe vive
 Scharfe Schneidkante
 Sharp edge

Poli
 Poliert
 Polished




ap (mm)

f (mm/U)

f min 0.01

P	
M	★★★★
N	★★★★★
S	★★★★★


CCGT DCGT VCGT



p. 18 p. 32 p. 48

ENP-X25

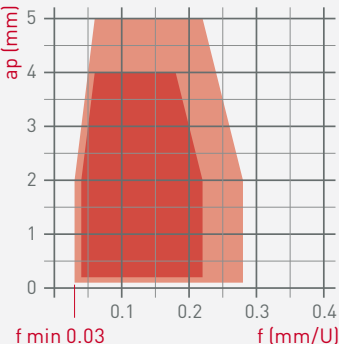
Semi-finishing



25°

Arête de coupe honée
 Schneidkantenverrundung
 Honed edge

Poli
 Poliert
 Polished




ap (mm)

f (mm/U)

f min 0.03

P	
M	★★★★
N	★★★★★
S	★★★★★


CCGT DCGT VCGT



p. 18 p. 32 p. 48

ENP-X20

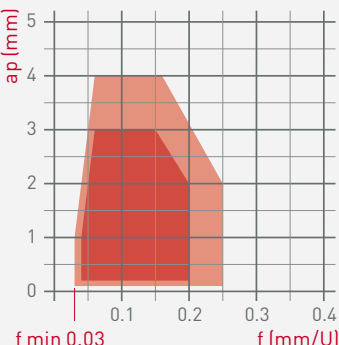
Semi-finishing



20°

Arête de coupe honée
 Schneidkantenverrundung
 Honed edge

Poli
 Poliert
 Polished




ap (mm)

f (mm/U)

f min 0.03

P	
M	★★★★★
N	★★★★
S	★★★★★

CCGT DCGT VCGT



p. 19 p. 33 p. 49

ISO-Line


Géométries de coupe
Spanformgeometrien
Cutting geometries

M
tolerance class


Plaquettes en métal dur
VHM-Wendelplatten
Carbide inserts

EN-XF3

Semi-finishing

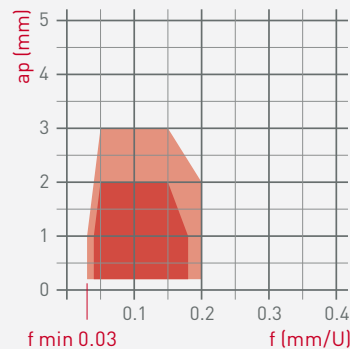


Finishing



12°

Arête de coupe honée
Schneidkantenverrundung
Honed edge




ap (mm)

f (mm/U)

f min 0.03

P	★★★★★
M	★★★★★
N	★★★
S	★★★


CCMT DCMT VCMT




p. 20 p. 34 p. 50

EN-XF2

Semi-finishing

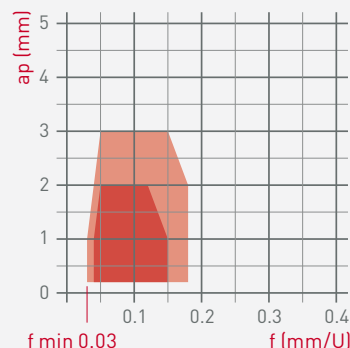


Finishing



6°

Arête de coupe honée
Schneidkantenverrundung
Honed edge




ap (mm)

f (mm/U)

f min 0.03

P	★★★★★
M	★★★
N	
S	★★★


CCMT DCMT VCMT




p. 20 p. 34 p. 50

EN-MF2

Semi-finishing

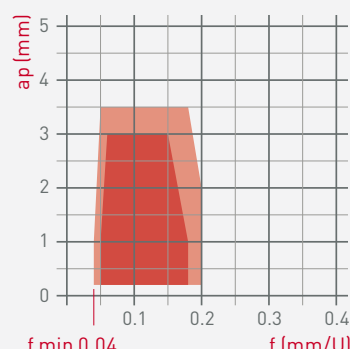


Finishing



8°

Arête de coupe honée
Schneidkantenverrundung
Honed edge




ap (mm)

f (mm/U)

f min 0.04

P	★★★★★
M	★★★★★
N	★★★
S	★★★

CCMT DCMT



p. 20 p. 34


Géométries de coupe
Spanformgeometrien
Cutting geometries

M
 tolerance class

Plaquettes en métal dur
 VHM-Wendeplatten
 Carbide inserts

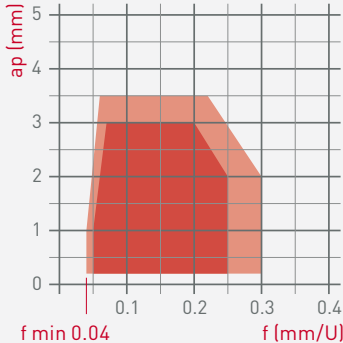
EN-MF

Semi-finishing



5°

Arête de coupe honée
 Schneidkantenverrundung
 Honed edge



ap (mm)

f (mm/U)

f min 0.04

P	★★★★★
M	★★★
N	
S	


CCMT DCMT VCMT

p. 21 p. 35 p. 51

EN-HF3

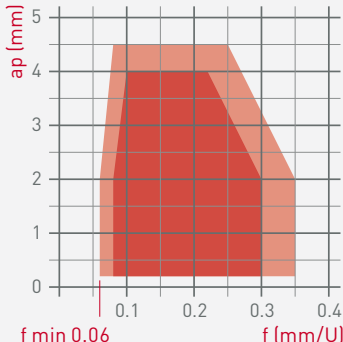
Roughing

Semi-finishing



10°

Arête de coupe honée
 Schneidkantenverrundung
 Honed edge



ap (mm)

f (mm/U)

f min 0.06

P	★★★★★
M	★★★★★
N	
S	★★★


CCMT DCMT

p. 21 p. 35

EN-HF

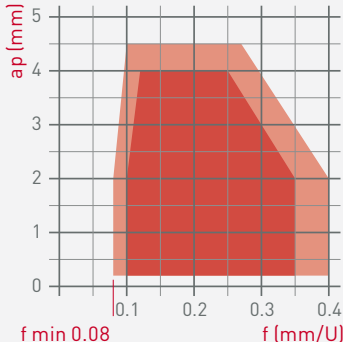
Roughing

Semi-finishing



12°

Arête de coupe honée
 Schneidkantenverrundung
 Honed edge



ap (mm)

f (mm/U)

f min 0.08

P	★★★★★
M	★★★★★
N	
S	

CCMT DCMT VCMT

p. 21 p. 35 p. 51

ISO-Line


- Géométries de coupe
- Spanformgeometrien
- Cutting geometries

G
tolerance class

Plaquettes en métal dur rectifiées
VHM geschliffene WSP
Carbide ground inserts

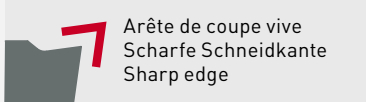
FL/FR-X10

Super-finishing




10°

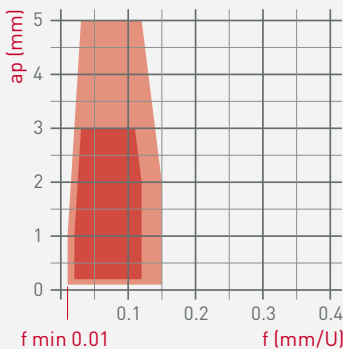
Finishing



Arête de coupe vive
Scharfe Schneidkante
Sharp edge



Poli
Poliert
Polished




ap (mm)

f (mm/U)

f min 0.01

P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★


VCGT



p. 44

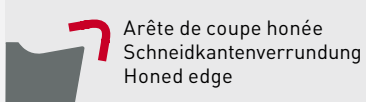
ELP/ERP-X10

Semi-finishing

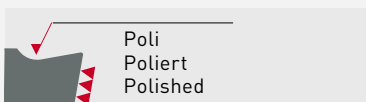


10°

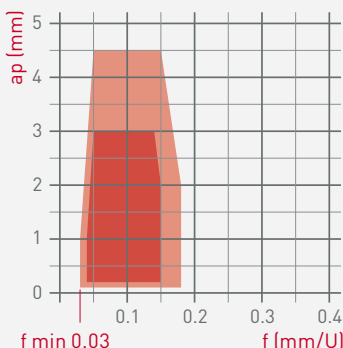
Finishing



Arête de coupe honée
Schneidkantenverrundung
Honed edge



Poli
Poliert
Polished




ap (mm)

f (mm/U)

f min 0.03

P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★


VCGT



p. 44

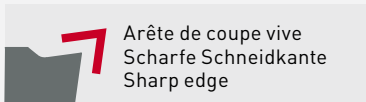
FN-K18

Super-finishing

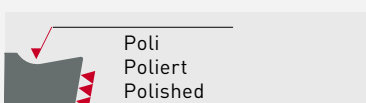


18°

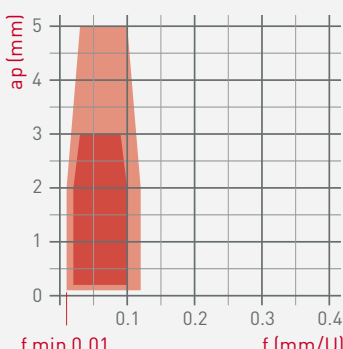
Finishing



Arête de coupe vive
Scharfe Schneidkante
Sharp edge



Poli
Poliert
Polished




ap (mm)

f (mm/U)

f min 0.01

P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★

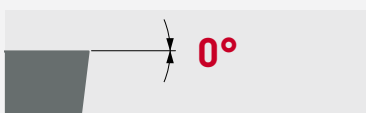
VCGT



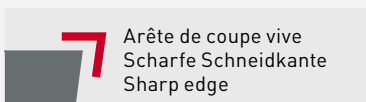
p. 45

FN-0

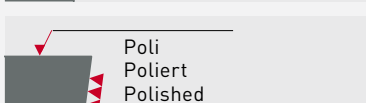
Finishing



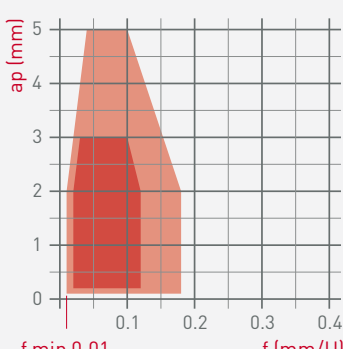
0°



Arête de coupe vive
Scharfe Schneidkante
Sharp edge



Poli
Poliert
Polished




ap (mm)

f (mm/U)

f min 0.01

P	★★★
M	
N	★★★
S	

VCGW



p. 45


Géométries de coupe
Spanformgeometrien
Cutting geometries

G/M
tolerance class

CERMET

Finishing

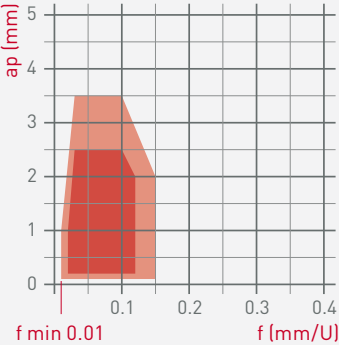
FN-X8 CERMET



8°

Arête de coupe vive
Scharfe Schneidkante
Sharp edge

Poli
Poliert
Polished



ap (mm)

f (mm/U)

f min 0.01


P	★★★★★
M	★★★
N	
S	

CCGT DCGT VCGT

p. 22 p. 36 p. 52

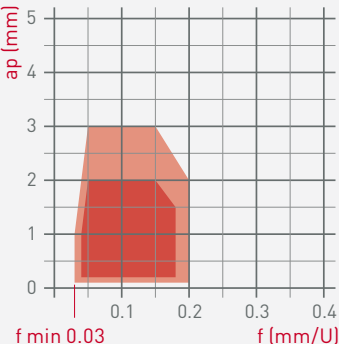
Semi-finishing

ENP-KX CERMET



8°

Arête de coupe honée
Schneidkantenverrundung
Honed edge



ap (mm)

f (mm/U)

f min 0.03

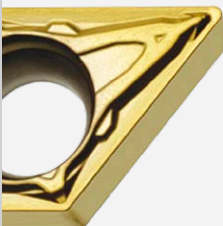
P	★★★★★
M	★★★
N	
S	

CCGT DCGT

p. 22 p. 36

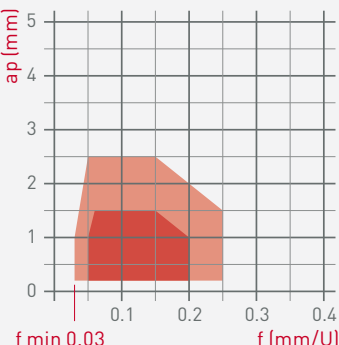
Semi-finishing

EN-KM CERMET



8°

Arête de coupe honée
Schneidkantenverrundung
Honed edge



ap (mm)

f (mm/U)

f min 0.03

P	★★★★★
M	★★★
N	
S	

CCMT DCMT

p. 23 p. 37

ISO-Line

Nuances

Sorten

Grades

Nuances Sorten Grades	Domaine d'application Anwendungsbereich Application area	Finishing / light machining	Semi-finishing / medium cut	Roughing / Heavy machining	Géométries de coupe disponibles Verfügbare Spanformgeometrien Available cutting geometries	Résistance à l'usure Verschleißfestigkeit Wear resistance	Ténacité, résistance à la rupture Zähigkeit, Bruchwiderstand Toughness, crack resistance	Résistance à la température Bearbeitungswarmfestigkeit Machining heat resistance	Revêtement et couleur Beschichtung und Farbe Coating and colour	Recommandations spéciales Sonder-Empfehlungen Special recommendations
Carbide + PVD										
TiAlN	★★★★★ ★★★★★ ★★★★★ ★★★★★	■	■	■	FN/ENP-X8 FN/ENP-X17 FN/ENP-X25 L/R-X10	■■■■■□	■■■■■□	■■■■■□	PVD	
HTA	★★★★★ ★★★★★ ★★★★★ ★★★★★	■			FN-X8 FN-X17 FN-X25 L/R-X10 FN-K18 FN-0	■■■■■	■■■■□□	■■■■■□	PVD	
TiN	★★★★★ ★★★★★ ★★★★★	■	■	■	FN/ENP-X8 FN/ENP-X17 FN/ENP-X25 L/R-X10	■■■■□□	■■■■■□	■■■■□□	PVD	High resistance to edge build up
HTiN	★★★★★ ★★★★★ ★★★★★	■			FN-K18 FN-0	■■■■■□	■■■■□□	■■■■□□	PVD	High resistance to edge build up
TAC	★★★★★ ★★★★★ ★★★★★ ★★★★★	■	■	■	EN-XF3 EN-XF2 EN-MF2 EN-HF	■■■■■□	■■■■■□	■■■■■□	PVD	
HTAC	★★★★★ ★★★★★ ★★★★★ ★★★★★	■	■		EN-XF3 EN-XF2 EN-MF2	■■■■■	■■■■□□	■■■■■□	PVD	
TiX	★★★★★ ★★★★★ ★★★			■	EN-HF3	■■■■□□	■■■■■□	■■■■□□	PVD	Easy wear out control with TiN top layer
HTiX	★★★★★ ★★★★★ ★★★★★ ★★★		■	■	ENP-X20 EN-HF3	■■■■■□	■■■■□□	■■■■□□	PVD	Easy wear out control with TiN top layer
Tmax	★★★★★ ★★★★★ ★★★★★ ★★★★★		■	■	EN-MF EN-HF	■■■■■□	■■■■■□	■■■■■□	PVD	
ZTA	★★★★★ ★★★★★ ★★★★★	■	■		ENP-X20	■■■■■□	■■■■■□	■■■■■□	PVD	perfect for titanium alloys & superalloys
TiALX	★★★★★ ★★★★★ ★★★★★	■	■		L/R-X10	■■■■■□	■■■■■□	■■■■■□	PVD	perfect for titanium alloys & superalloys
HTAX	★★★★★ ★★★★★ ★★★★★	■			L/R-X10	■■■■■	■■■■□□	■■■■■□	PVD	perfect for titanium alloys & superalloys

Nuances

Sorten

Grades

Nuances Sorten Grades	Domaine d'application Anwendungsbereich Application area	Finishing / light machining	Semi-finishing / medium cut	Roughing / Heavy machining	Géométries de coupe disponibles Verfügbare Spanformgeometrien Available cutting geometries	Résistance à l'usure Verschleißfestigkeit Wear resistance	Ténacité, résistance à la rupture Zähigkeit, Bruchwiderstand Toughness, crack resistance	Résistance à la température Bearbeitungswarmfestigkeit Machining heat resistance	Revêtement et couleur Beschichtung und Farbe Coating and colour	Recommandations spéciales Sonder Empfehlungen Special recommendations
Carbide + CVD										
Ti4	★★★★★ ★★★		■	■	EN-MF EN-HF3 EN-HF	■■■■■□	■■■■■□	■■■■■	CVD	
Ti5	★★★★★ ★★★		■	■	EN-MF2 EN-HF	■■■■■□	■■■■■□	■■■■■	CVD	Easy wear out control with TiN top layer
HTi5	★★★★★ ★★★		■	■	EN-XF2 EN-MF2 EN-HF	■■■■■	■■■■□□	■■■■■	CVD	Easy wear out control with TiN top layer
Ti6	★★★ ★★★★★ ★★★★		■	■	EN-HF3	■■■■■□	■■■■■□	■■■■■	CVD	
Carbide uncoated										
K10	★★★ ★★★		■		FN-X8 FN-X17 FN-X25 ELP-X10/ERP-X10 FN-K18 FN-0	■■■■□□	■■■■□□	■■□□□	uncoated	
K20	★★ ★★		■		FN/ENP-X8 FN/ENP-X17 FN/ENP-X25 ELP-X10/ERP-X10	■■□□□	■■■■□□	■■□□□	uncoated	
CERMET										
CTA	★★★★★ ★★★		■		FN-X8	■■■■■□	■■■■■□	■■■■■	CERMET +PVD	
CT7	★★★★★ ★★★		■	■	ENP-KX EN-KM	■■■■■□	■■■■■□	■■■■■	CERMET + PVD	Easy wear out control with TiN top layer
HCT7	★★★★★ ★★★		■	■	ENP-KX EN-KM	■■■■■	■■■■□□	■■■■■	CERMET + PVD	Easy wear out control with TiN top layer
CN6	★★★★		■		FN-X8 ENP-KX EN-KM	■■□□□	■■■■■□	■■■■■□	CERMET uncoated	

ISO-Line

Outils de tournage 80°

80°-Drehwerkzeug

Turning tools 80°

80°



SCM



SCA



SCL

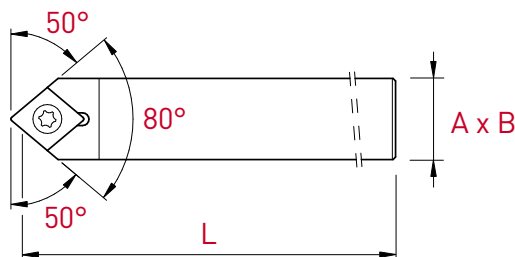
Porte-outils

Halter

Holder

80°

SCM



Plaquette WSP Insert	A x B x L	Art. N°
CC...-0602..	8 x 8 x 115	SCMCN-0808X-06
	10 x 10 x 115	SCMCN-1010X-06
	12 x 12 x 130	SCMCN-1212X-06
	12 x 12 x 90	SCMCN-1212G-06
	12.7 x 12.7 x 130	SCMCN-12.7-X-06
	16 x 16 x 130	SCMCN-1616X-06
	16 x 16 x 75	SCMCN-1616F-06
CC...-09T3..	12 x 12 x 130	SCMCN-1212X-09
	12 x 12 x 90	SCMCN-1212G-09
	12.7 x 12.7 x 130	SCMCN-12.7-X-09
	16 x 16 x 130	SCMCN-1616X-09
	16 x 16 x 75	SCMCN-1616F-09
	20 x 20 x 120	SCMCN-2020X-09

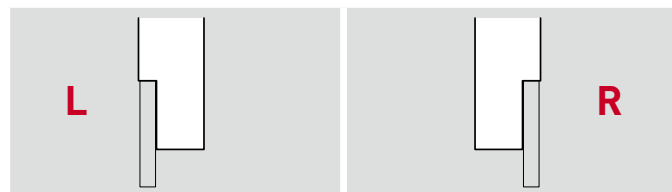
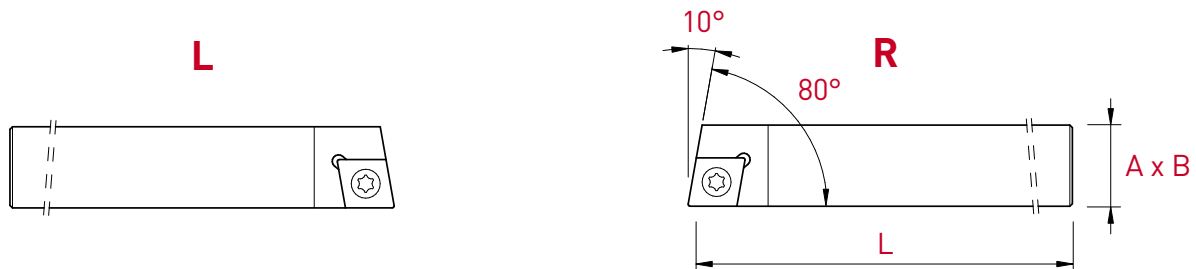
Porte-outils

Halter

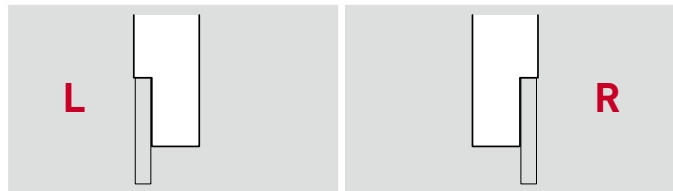
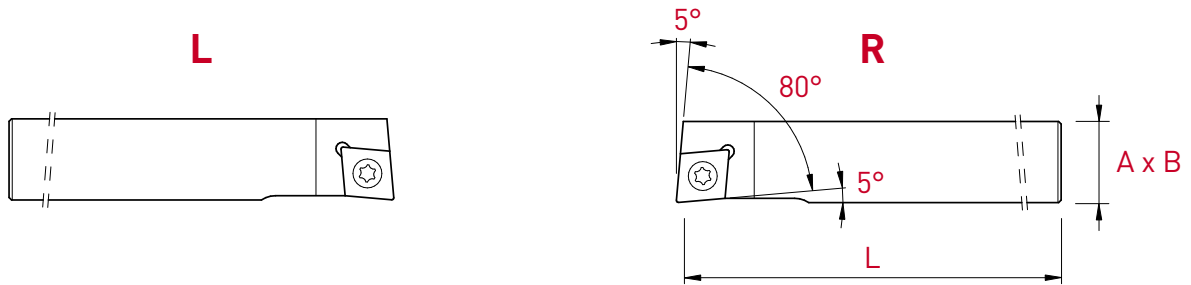
Holder

80°

SCA



Plaquette WSP Insert	A x B x L	Art. N°	Art. N°
CC..-0602..	8 x 8 x 115	SCACL-0808X-06	SCACR-0808X-06
	10 x 10 x 115	SCACL-1010X-06	SCACR-1010X-06
	12 x 12 x 130	SCACL-1212X-06	SCACR-1212X-06
	12 x 12 x 90	SCACL-1212G-06	SCACR-1212G-06
	12.7 x 12.7 x 130	SCACL-12.7-X-06	SCACR-12.7-X-06
	16 x 16 x 130	SCACL-1616X-06	SCACR-1616X-06
	16 x 16 x 75	SCACL-1616F-06	SCACR-1616F-06
CC..-09T3..	12 x 12 x 130	SCACL-1212X-09	SCACR-1212X-09
	12 x 12 x 90	SCACL-1212G-09	SCACR-1212G-09
	12.7 x 12.7 x 130	SCACL-12.7-X-09	SCACR-12.7-X-09
	16 x 16 x 130	SCACL-1616X-09	SCACR-1616X-09
	16 x 16 x 75	SCACL-1616F-09	SCACR-1616F-09
	20 x 20 x 120	SCACL-2020X-09	SCACR-2020X-09



Plaquette WSP Insert	A x B x L	Art. N°	Art. N°
CC..-0602..	8 x 8 x 115	SCLCL-0808X-06	SCLCR-0808X-06
	10 x 10 x 115	SCLCL-1010X-06	SCLCR-1010X-06
	12 x 12 x 130	SCLCL-1212X-06	SCLCR-1212X-06
	12 x 12 x 90	SCLCL-1212G-06	SCLCR-1212G-06
	12.7 x 12.7 x 130	SCLCL-12.7-X-06	SCLCR-12.7-X-06
	16 x 16 x 130	SCLCL-1616X-06	SCLCR-1616X-06
	16 x 16 x 75	SCLCL-1616F-06	SCLCR-1616F-06
CC..-09T3..	12 x 12 x 130	SCLCL-1212X-09	SCLCR-1212X-09
	12 x 12 x 90	SCLCL-1212G-09	SCLCR-1212G-09
	12.7 x 12.7 x 130	SCLCL-12.7-X-09	SCLCR-12.7-X-09
	16 x 16 x 130	SCLCL-1616X-09	SCLCR-1616X-09
	16 x 16 x 75	SCLCL-1616F-09	SCLCR-1616F-09
	20 x 20 x 120	SCLCL-2020X-09	SCLCR-2020X-09

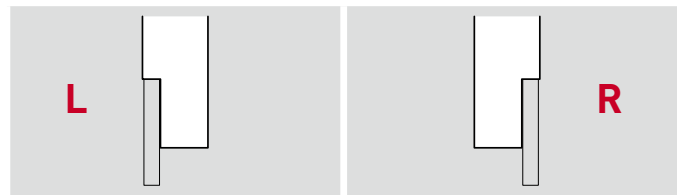
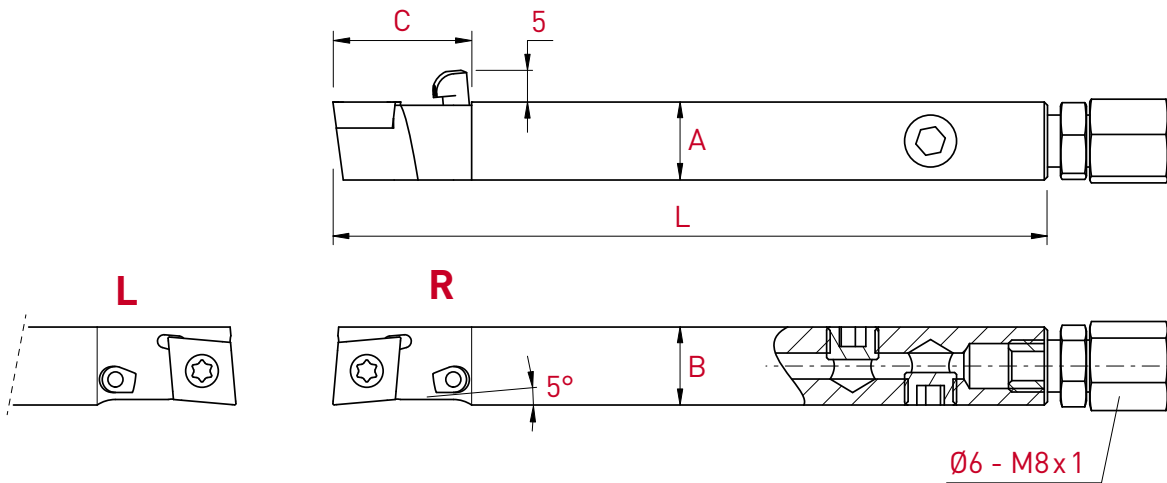
Porte-outils avec arrosage intégré

Halter mit integriertem Kühlmittelzufuhr

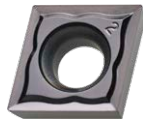
Holder with integrated coolant supply

80°

SCL-JET

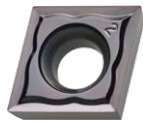
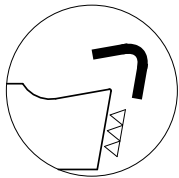
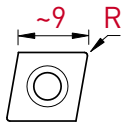
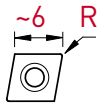


Plaquette WSP Insert	A x B x L	C	Art. N°	Art. N°
CC..-0602..	10 x 10 x 110	21	SCLCL-1010J-06-JET	SCLCR-1010J-06-JET
	12 x 12 x 110	21	SCLCL-1212J-06-JET	SCLCR-1212J-06-JET
	12.7 x 12.7 x 110	21	SCLCL-12.7-J-06-JET	SCLCR-12.7-J-06-JET
	16 x 16 x 110	21	SCLCL-1616J-06-JET	SCLCR-1616J-06-JET
CC..-09T3..	12 x 12 x 110	21	SCLCL-1212J-09-JET	SCLCR-1212J-09-JET
	12.7 x 12.7 x 110	21	SCLCL-12.7-J-09-JET	SCLCR-12.7-J-09-JET
	16 x 16 x 110	21	SCLCL-1616J-09-JET	SCLCR-1616J-09-JET
	20 x 20 x 110	21	SCLCL-2020J-09-JET	SCLCR-2020J-09-JET



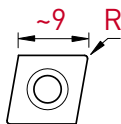
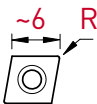
CCGT FN-X8

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiN	K10	K20
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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.05	CCGT-0602005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	CCGT-060201-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	CCGT-060202-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	CCGT-060204-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	CCGT-09T3005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	CCGT-09T301-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	CCGT-09T302-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	CCGT-09T304-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



CCGT ENP-X8

R	Art. N°	PVD		non revêtu unbeschichtet uncoated	
		TiAlN	TiN	K10	K20
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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.05	CCGT-0602005-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	CCGT-060201-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	CCGT-060202-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	CCGT-060204-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	CCGT-09T3005-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	CCGT-09T301-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	CCGT-09T302-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	CCGT-09T304-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



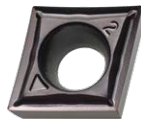
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

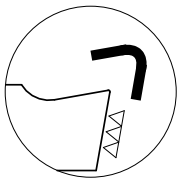
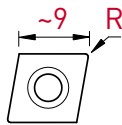
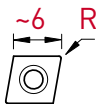
80°

CCGT-X17



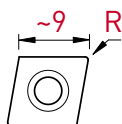
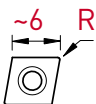
**CCGT
FN-X17**

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiN	K10	K20
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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	CCGT-0602005-FN-X17	■	■	■	■	■
0.1	CCGT-060201-FN-X17	■	■	■	■	■
0.2	CCGT-060202-FN-X17	■	■	■	■	■
0.4	CCGT-060204-FN-X17	■	■	■	■	■
0.05	CCGT-09T3005-FN-X17	■	■	■	■	■
0.1	CCGT-09T301-FN-X17	■	■	■	■	■
0.2	CCGT-09T302-FN-X17	■	■	■	■	■
0.4	CCGT-09T304-FN-X17	■	■	■	■	■
0.8	CCGT-09T308-FN-X17	■	■	■	■	■



**CCGT
ENP-X17**

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiAlN	TiN	K20
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		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	CCGT-0602005-ENP-X17	■	■	■
0.1	CCGT-060201-ENP-X17	■	■	■
0.2	CCGT-060202-ENP-X17	■	■	■
0.4	CCGT-060204-ENP-X17	■	■	■
0.05	CCGT-09T3005-ENP-X17	■	■	■
0.1	CCGT-09T301-ENP-X17	■	■	■
0.2	CCGT-09T302-ENP-X17	■	■	■
0.4	CCGT-09T304-ENP-X17	■	■	■
0.8	CCGT-09T308-ENP-X17	■	■	■



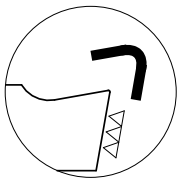
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

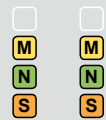
80°

CCGT-X20

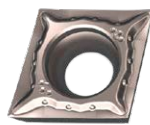
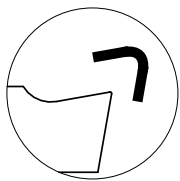


**CCGT
ENP-X20**

PVD



R	Art. N°	ZTA	HTiX
<p>~6 R</p>	0.1	■	
	0.2	■	■
	0.4	■	■
<p>~9 R</p>	0.1	■	
	0.2	■	■
	0.4	■	■
	0.8	■	■

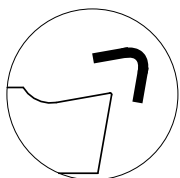
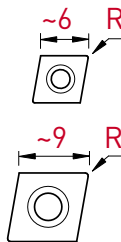


CCMT EN-XF3

PVD

P	P
M	M
N	N
S	S

R	Art. N°	TAC	HTAC
0.2	CCMT-060202-EN-XF3	■	■
0.4	CCMT-060204-EN-XF3	■	■
0.2	CCMT-09T302-EN-XF3	■	■
0.4	CCMT-09T304-EN-XF3	■	■



CCMT EN-XF2

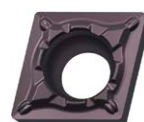
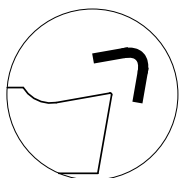
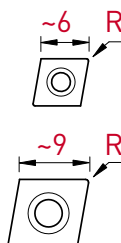
PVD

P	P
M	M
N	N
S	S

CVD

P
M
□
□

R	Art. N°	TAC	HTAC	HTi5
0.2	CCMT-060202-EN-XF2	■	■	■
0.4	CCMT-060204-EN-XF2	■	■	■
0.2	CCMT-09T302-EN-XF2	■	■	■
0.4	CCMT-09T304-EN-XF2	■	■	■



CCMT EN-MF2

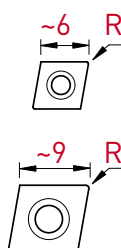
PVD

P	P
M	M
N	N
S	S

CVD

P	P
M	M
□	□
□	□

R	Art. N°	TAC	HTAC	Ti5	HTi5
0.2	CCMT-060202-EN-MF2	■	■	■	■
0.4	CCMT-060204-EN-MF2	■	■	■	■
0.2	CCMT-09T302-EN-MF2	■	■	■	■
0.4	CCMT-09T304-EN-MF2	■	■	■	■
0.8	CCMT-09T308-EN-MF2	■	■	■	■



Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

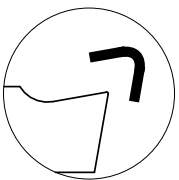
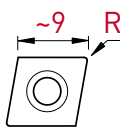
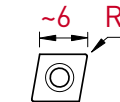
80°

CCMT-MF
CCMT-HF3
CCMT-HF



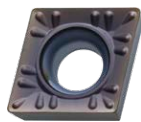
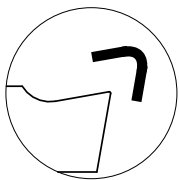
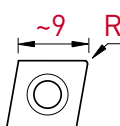
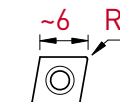
**CCMT
EN-MF**

R	Art. N°	PVD		CVD	
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		Tmax		Ti4	
0.2	CCMT-060202-EN-MF	■	■	■	■
0.4	CCMT-060204-EN-MF	■	■	■	■
0.2	CCMT-09T302-EN-MF	■	■	■	■
0.4	CCMT-09T304-EN-MF	■	■	■	■



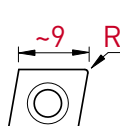
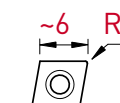
**CCMT
EN-HF3**

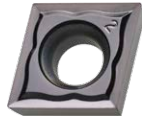
R	Art. N°	PVD		CVD	
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		TiX	HTiX	Ti6	
0,2	CCMT-060202-EN-HF3	■	■	■	■
0.4	CCMT-060204-EN-HF3	■	■	■	■
0,2	CCMT-09T302-EN-HF3	■	■	■	■
0.4	CCMT-09T304-EN-HF3	■	■	■	■
0.8	CCMT-09T308-EN-HF3	■	■	■	■



**CCMT
EN-HF**

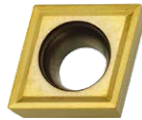
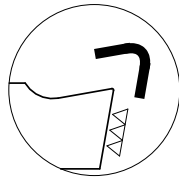
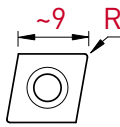
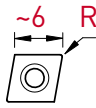
R	Art. N°	PVD		CVD		
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		Tmax	TAC	Ti4	Ti5	HTi5
0,2	CCMT-060202-EN-HF	■	■	■	■	■
0.4	CCMT-060204-EN-HF	■	■	■	■	■
0.8	CCMT-060208-EN-HF	■	■	■	■	■
0,2	CCMT-09T302-EN-HF	■	■	■	■	■
0.4	CCMT-09T304-EN-HF	■	■	■	■	■
0.8	CCMT-09T308-EN-HF	■	■	■	■	■





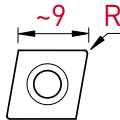
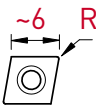
CCGT FN-X8

		CERMET	
		PVD	non revêtu unbeschichtet uncoated
		<input type="checkbox"/> P <input checked="" type="checkbox"/> M <input type="checkbox"/>	<input type="checkbox"/> P <input type="checkbox"/> <input type="checkbox"/>
		CTA	CN6
R	Art. N°		
0.05	CCGT-0602005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	CCGT-060201-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	CCGT-060202-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	CCGT-09T3005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	CCGT-09T301-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	CCGT-09T302-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	CCGT-09T304-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



CCGT ENP-KX

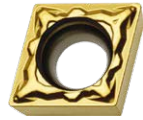
		CERMET		
		PVD		non revêtu unbeschichtet uncoated
		<input type="checkbox"/> P <input checked="" type="checkbox"/> M <input type="checkbox"/>	<input type="checkbox"/> P <input checked="" type="checkbox"/> M <input type="checkbox"/>	<input type="checkbox"/> P <input type="checkbox"/> <input type="checkbox"/>
		CT7	HCT7	CN6
R	Art. N°			
0.1	CCGT-060201-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	CCGT-060202-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	CCGT-060204-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	CCGT-09T301-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	CCGT-09T302-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	CCGT-09T304-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



Plaquettes CERMET
 CERMET-Wendepplatten
 CERMET inserts

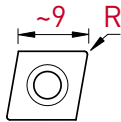
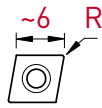
80°

CCMT-KM



**CCMT
 EN-KM**

		CERMET		
		PVD		non revêtu unbeschichtet uncoated
		P	P	P
		M	M	
R	Art. N°	CT7	HCT7	CN6
0.2	CCMT-060202-EN-KM	■	■	■
0.4	CCMT-060204-EN-KM	■	■	■
0.2	CCMT-09T302-EN-KM	■	■	■
0.4	CCMT-09T304-EN-KM	■	■	■
0.8	CCMT-09T308-EN-KM	■	■	■



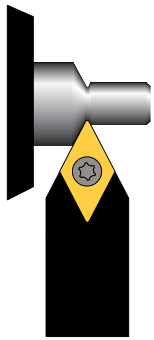
ISO-Line

Outils de tournage 55°

55°-Drehwerkzeuge

Turning tools 55°

55°



SDN



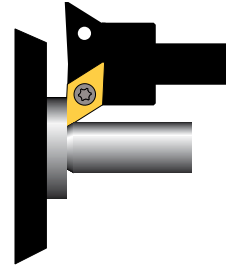
SDA



SDJ



SDH



SDU

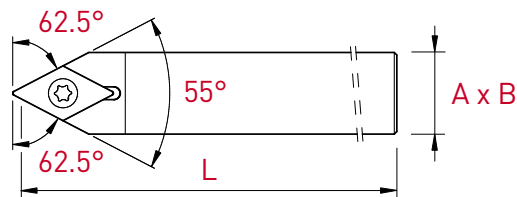
Porte-outils

Halter

Holder

55°

SDN



Plaquette WSP Insert	A x B x L	Art. N°
DC...-0702..	8 x 8 x 115	SDNCN-0808X-07
	10 x 10 x 115	SDNCN-1010X-07
	12 x 12 x 130	SDNCN-1212X-07
	12 x 12 x 90	SDNCN-1212G-07
	12.7 x 12.7 x 130	SDNCN-12.7-X-07
	16 x 16 x 130	SDNCN-1616X-07
	16 x 16 x 75	SDNCN-1616F-07
DC...-11T3..	12 x 12 x 130	SDNCN-1212X-11
	12 x 12 x 90	SDNCN-1212G-11
	12.7 x 12.7 x 130	SDNCN-12.7-X-11
	16 x 16 x 130	SDNCN-1616X-11
	16 x 16 x 75	SDNCN-1616F-11
	20 x 20 x 120	SDNCN-2020X-11

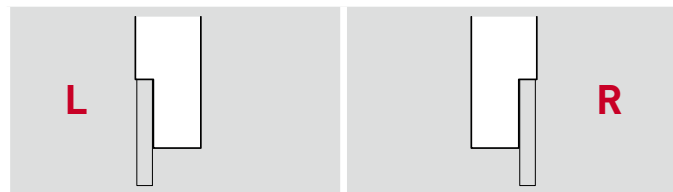
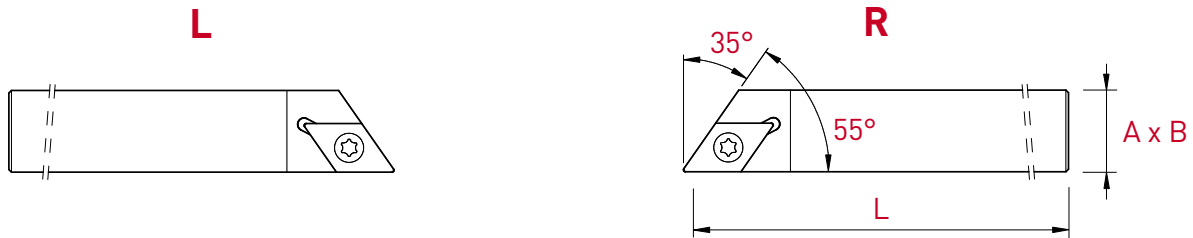
Porte-outils

Halter

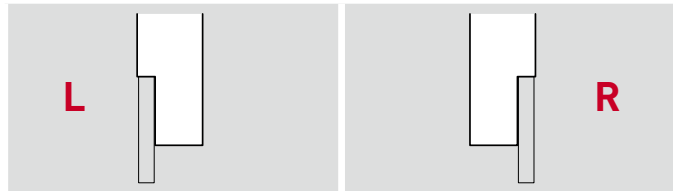
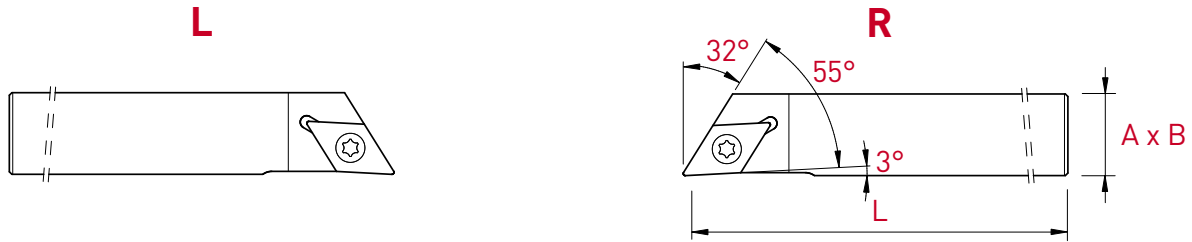
Holder

55°

SDA



Plaquette WSP Insert	A x B x L	Art. N°	Art. N°
DC...-0702..	8 x 8 x 115	SDACL-0808X-07	SDACR-0808X-07
	10 x 10 x 115	SDACL-1010X-07	SDACR-1010X-07
	12 x 12 x 130	SDACL-1212X-07	SDACR-1212X-07
	12 x 12 x 90	SDACL-1212G-07	SDACR-1212G-07
	12.7 x 12.7 x 130	SDACL-12.7-X-07	SDACR-12.7-X-07
	16 x 16 x 130	SDACL-1616X-07	SDACR-1616X-07
	16 x 16 x 75	SDACL-1616F-07	SDACR-1616F-07
DC...-11T3..	12 x 12 x 130	SDACL-1212X-11	SDACR-1212X-11
	12 x 12 x 90	SDACL-1212G-11	SDACR-1212G-11
	12.7 x 12.7 x 130	SDACL-12.7-X-11	SDACR-12.7-X-11
	16 x 16 x 130	SDACL-1616X-11	SDACR-1616X-11
	16 x 16 x 75	SDACL-1616F-11	SDACR-1616F-11
	20 x 20 x 120	SDACL-2020X-11	SDACR-2020X-11



Plaquette WSP Insert	A x B x L	Art. N°	Art. N°
DC...-0702..	8 x 8 x 115	SDJCL-0808X-07	SDJCR-0808X-07
	10 x 10 x 115	SDJCL-1010X-07	SDJCR-1010X-07
	12 x 12 x 130	SDJCL-1212X-07	SDJCR-1212X-07
	12 x 12 x 90	SDJCL-1212G-07	SDJCR-1212G-07
	12.7 x 12.7 x 130	SDJCL-12.7-X-07	SDJCR-12.7-X-07
	16 x 16 x 130	SDJCL-1616X-07	SDJCR-1616X-07
	16 x 16 x 75	SDJCL-1616F-07	SDJCR-1616F-07
	20 x 20 x 120	SDJCL-2020X-07	SDJCR-2020X-07
DC...-11T3..	12 x 12 x 130	SDJCL-1212X-11	SDJCR-1212X-11
	12 x 12 x 90	SDJCL-1212G-11	SDJCR-1212G-11
	12.7 x 12.7 x 130	SDJCL-12.7-X-11	SDJCR-12.7-X-11
	16 x 16 x 130	SDJCL-1616X-11	SDJCR-1616X-11
	16 x 16 x 75	SDJCL-1616F-11	SDJCR-1616F-11
		20 x 20 x 120	SDJCL-2020X-11

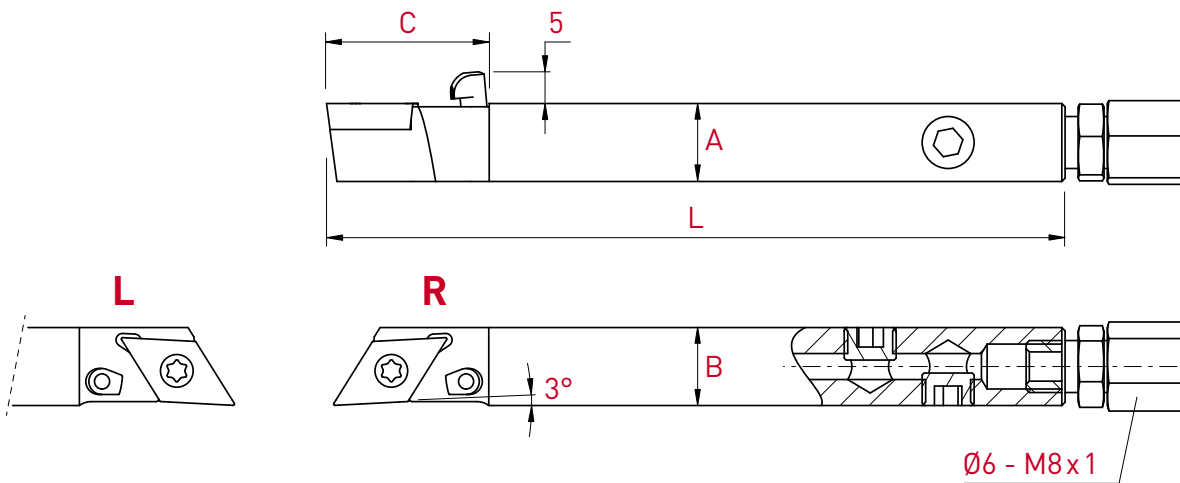
Porte-outils avec arrosage intégré

Halter mit integriertem Kühlmittelzufuhr

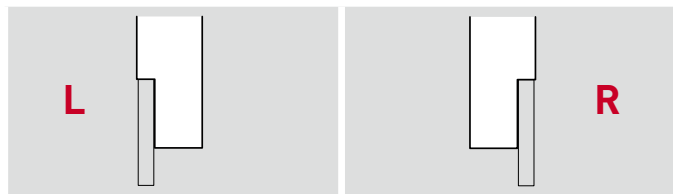
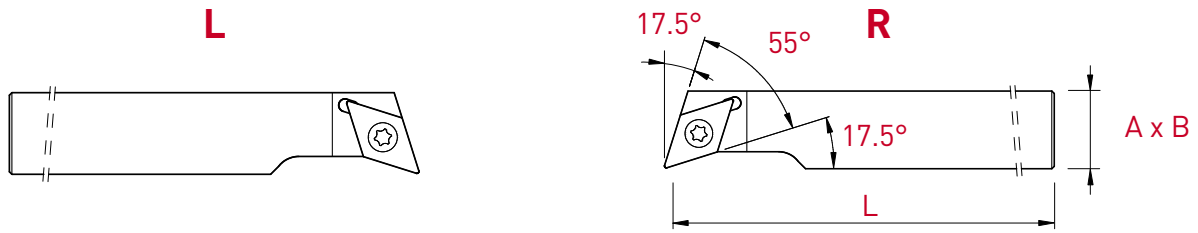
Holder with integrated coolant supply

55°

SDJ-JET



Plaquette WSP Insert	A x B x L	C		
			Art. N°	Art. N°
DC..-0702..	10 x 10 x 110	20	SDJCL-1010J-07-JET	SDJCR-1010J-07-JET
	12 x 12 x 110	20	SDJCL-1212J-07-JET	SDJCR-1212J-07-JET
	12.7 x 12.7 x 110	20	SDJCL-12.7-J-07-JET	SDJCR-12.7-J-07-JET
	16 x 16 x 110	20	SDJCL-1616J-07-JET	SDJCR-1616J-07-JET
	20 x 20 x 110	20	SDJCL-2020J-07-JET	SDJCR-2020J-07-JET
DC..-11T3..	12 x 12 x 110	23	SDJCL-1212J-11-JET	SDJCR-1212J-11-JET
	12.7 x 12.7 x 110	23	SDJCL-12.7-J-11-JET	SDJCR-12.7-J-11-JET
	16 x 16 x 110	23	SDJCL-1616J-11-JET	SDJCR-1616J-11-JET
	20 x 20 x 110	23	SDJCL-2020J-11-JET	SDJCR-2020J-11-JET



Plaquette WSP Insert	A x B x L	Art. N°	Art. N°
DC...-0702..	10 x 10 x 115	SDHCL-1010X-07	SDHCR-1010X-07
	12 x 12 x 130	SDHCL-1212X-07	SDHCR-1212X-07
	12 x 12 x 90	SDHCL-1212G-07	SDHCR-1212G-07
	12.7 x 12.7 x 130	SDHCL-12.7-X-07	SDHCR-12.7-X-07
	16 x 16 x 130	SDHCL-1616X-07	SDHCR-1616X-07
	16 x 16 x 75	SDHCL-1616F-07	SDHCR-1616F-07
DC...-11T3..	16 x 16 x 130	SDHCL-1616X-11	SDHCR-1616X-11
	16 x 16 x 75	SDHCL-1616F-11	SDHCR-1616F-11
	20 x 20 x 120	SDHCL-2020X-11	SDHCR-2020X-11

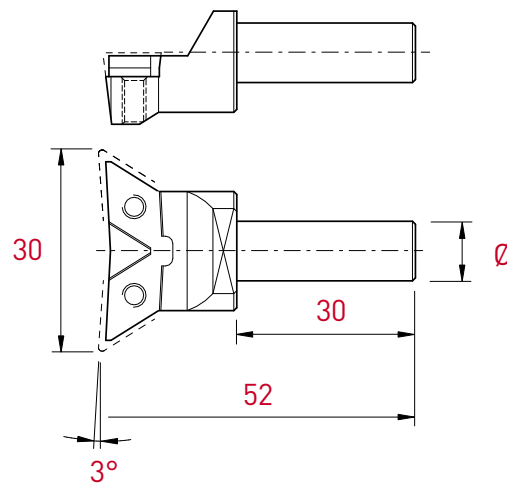
Porte-outils

Halter

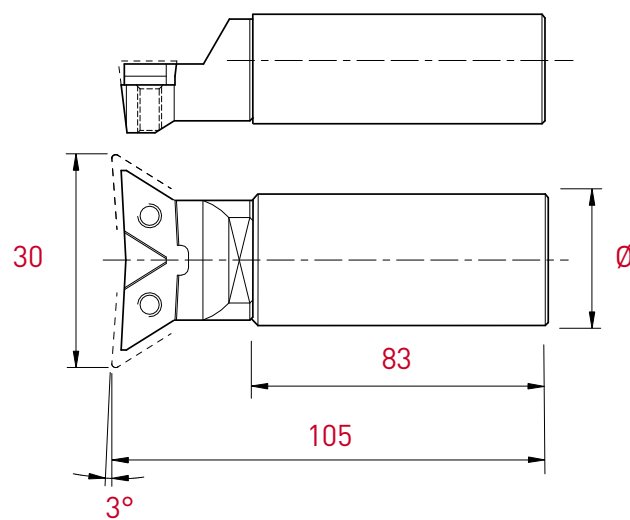
Holder

55°

SDU



Plaquette WSP Insert	Ø	Art. N°
DC..-11T3..	10	SDUC-D10X-11

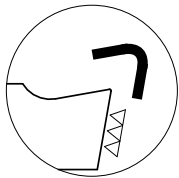
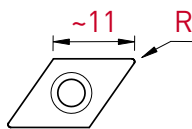
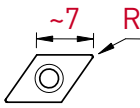


Plaquette WSP Insert	Ø	Art. N°
DC..-11T3..	20	SDUC-D20X-11
	25.4	SDUC-D25.4X-11



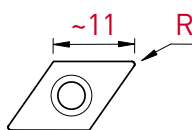
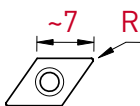
DCGT FN-X8

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiALN	HTA	TiN	K10	K20
0.05	DCGT-0702005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0,08	DCGT-0702008-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.1	DCGT-070201-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0,15	DCGT-0702015-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	DCGT-070202-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	DCGT-070204-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.05	DCGT-11T3005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0,08	DCGT-11T3008-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.1	DCGT-11T301-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0,15	DCGT-11T3015-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	DCGT-11T302-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	DCGT-11T304-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



DCGT ENP-X8

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiALN	TiN	K20
0.05	DCGT-0702005-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0,08	DCGT-0702008-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.1	DCGT-070201-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0,15	DCGT-0702015-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	DCGT-070202-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0.4	DCGT-070204-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0.05	DCGT-11T3005-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0,08	DCGT-11T3008-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.1	DCGT-11T301-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0,15	DCGT-11T3015-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	DCGT-11T302-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0.4	DCGT-11T304-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



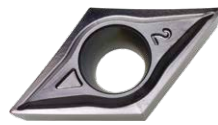
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

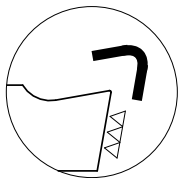
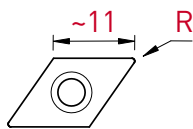
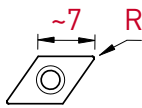
55°

DCGT-X17



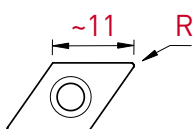
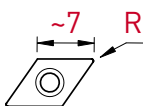
**DCGT
FN-X17**

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiN	K10	K20
		<input type="checkbox"/> P <input type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> S	<input type="checkbox"/> P <input type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> S	<input type="checkbox"/> P <input type="checkbox"/> M <input type="checkbox"/> N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
0.05	DCGT-0702005-FN-X17	■	■	■	■	■
0.08	DCGT-0702008-FN-X17	■	■		■	■
0.1	DCGT-070201-FN-X17	■	■	■	■	■
0.15	DCGT-0702015-FN-X17	■	■		■	■
0.2	DCGT-070202-FN-X17	■	■	■	■	■
0.4	DCGT-070204-FN-X17	■	■	■	■	■
0.05	DCGT-11T3005-FN-X17	■	■	■	■	■
0.08	DCGT-11T3008-FN-X17	■	■		■	■
0.1	DCGT-11T301-FN-X17	■	■	■	■	■
0.15	DCGT-11T3015-FN-X17	■	■		■	■
0.2	DCGT-11T302-FN-X17	■	■	■	■	■
0.4	DCGT-11T304-FN-X17	■	■	■	■	■
0.8	DCGT-11T308-FN-X17	■	■	■	■	■



**DCGT
ENP-X17**

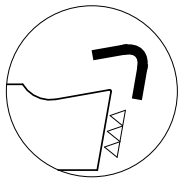
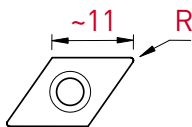
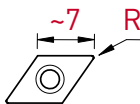
R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiAlN	TiN	K20
		<input type="checkbox"/> P <input type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> S	<input type="checkbox"/> P <input type="checkbox"/> M <input type="checkbox"/> N	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
0.05	DCGT-0702005-ENP-X17	■	■	■
0.08	DCGT-0702008-ENP-X17	■		■
0.1	DCGT-070201-ENP-X17	■	■	■
0.15	DCGT-0702015-ENP-X17	■		■
0.2	DCGT-070202-ENP-X17	■	■	■
0.4	DCGT-070204-ENP-X17	■	■	■
0.05	DCGT-11T3005-ENP-X17	■	■	■
0.08	DCGT-11T3008-ENP-X17	■		■
0.1	DCGT-11T301-ENP-X17	■	■	■
0.15	DCGT-11T3015-ENP-X17	■		■
0.2	DCGT-11T302-ENP-X17	■	■	■
0.4	DCGT-11T304-ENP-X17	■	■	■
0.8	DCGT-11T308-ENP-X17	■	■	■





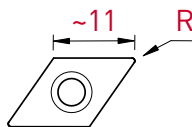
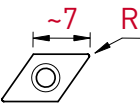
**DCGT
FN-X25**

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiALN	HTA	TiN	K10	K20
0.05	DCGT-0702005-FN-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	DCGT-070201-FN-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	DCGT-070202-FN-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	DCGT-070204-FN-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	DCGT-11T3005-FN-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	DCGT-11T301-FN-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	DCGT-11T302-FN-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	DCGT-11T304-FN-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.8	DCGT-11T308-FN-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



**DCGT
ENP-X25**

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiALN	TiN	K20
0.05	DCGT-0702005-ENP-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	DCGT-070201-ENP-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	DCGT-070202-ENP-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	DCGT-070204-ENP-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	DCGT-11T3005-ENP-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	DCGT-11T301-ENP-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	DCGT-11T302-ENP-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	DCGT-11T304-ENP-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.8	DCGT-11T308-ENP-X25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



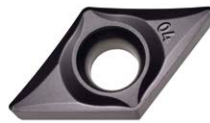
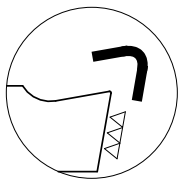
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

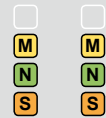
55°

DCGT-X20

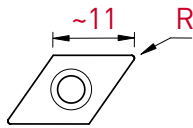
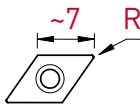


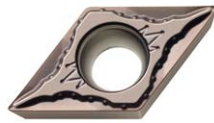
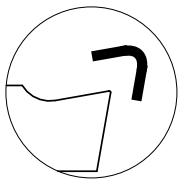
**DCGT
ENP-X20**

PVD



R	Art. N°	ZTA	HTiX
0.1	DCGT-070201-ENP-X20	■	
0.2	DCGT-070202-ENP-X20	■	■
0.4	DCGT-070204-ENP-X20	■	■
0.1	DCGT-11T301-ENP-X20	■	
0.2	DCGT-11T302-ENP-X20	■	■
0.4	DCGT-11T304-ENP-X20	■	■
0.8	DCGT-11T308-ENP-X20	■	■

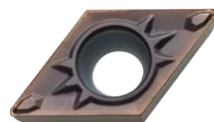
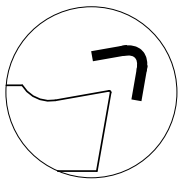
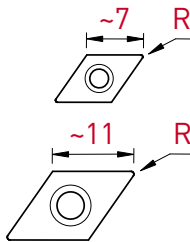




DCMT EN-XF3

PVD	
<input type="checkbox"/> P	<input type="checkbox"/> P
<input type="checkbox"/> M	<input type="checkbox"/> M
<input type="checkbox"/> N	<input type="checkbox"/> N
<input type="checkbox"/> S	<input type="checkbox"/> S
TAC	HTAC

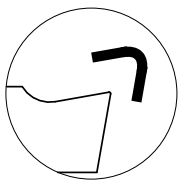
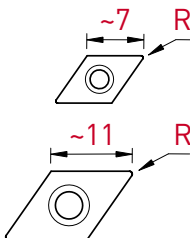
R	Art. N°	TAC	HTAC
0.2	DCMT-070202-EN-XF3	<input type="checkbox"/>	<input type="checkbox"/>
0.4	DCMT-070204-EN-XF3	<input type="checkbox"/>	<input type="checkbox"/>
0.2	DCMT-11T302-EN-XF3	<input type="checkbox"/>	<input type="checkbox"/>
0.4	DCMT-11T304-EN-XF3	<input type="checkbox"/>	<input type="checkbox"/>



DCMT EN-XF2

PVD		CVD
<input type="checkbox"/> P	<input type="checkbox"/> P	<input type="checkbox"/> P
<input type="checkbox"/> M	<input type="checkbox"/> M	<input type="checkbox"/> M
<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/>
<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/>
TAC	HTAC	HTi5

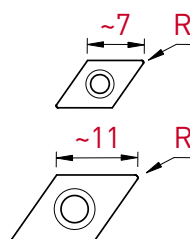
R	Art. N°	TAC	HTAC	HTi5
0.2	DCMT-070202-EN-XF2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	DCMT-070204-EN-XF2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	DCMT-11T302-EN-XF2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	DCMT-11T304-EN-XF2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



DCMT EN-MF2

PVD		CVD	
<input type="checkbox"/> P	<input type="checkbox"/> P	<input type="checkbox"/> P	<input type="checkbox"/> P
<input type="checkbox"/> M	<input type="checkbox"/> M	<input type="checkbox"/> M	<input type="checkbox"/> M
<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/>	<input type="checkbox"/>
TAC	HTAC	Ti5	HTi5

R	Art. N°	TAC	HTAC	Ti5	HTi5
0.2	DCMT-070202-EN-MF2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	DCMT-070204-EN-MF2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	DCMT-11T302-EN-MF2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	DCMT-11T304-EN-MF2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0,8	DCMT-11T308-EN-MF2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



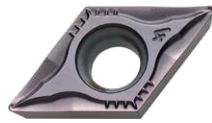
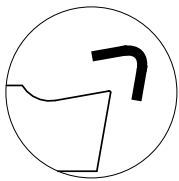
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

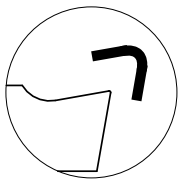
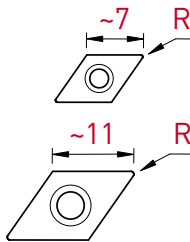
55°

DCMT-MF
DCMT-HF3
DCMT-HF



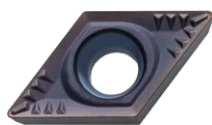
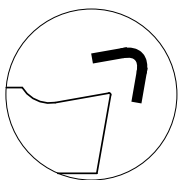
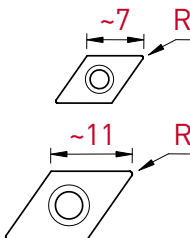
**DCMT
EN-MF**

R	Art. N°	PVD		CVD	
		<input type="checkbox"/> P <input checked="" type="checkbox"/> M	<input type="checkbox"/> P <input type="checkbox"/> M	<input type="checkbox"/> P <input checked="" type="checkbox"/> M	<input type="checkbox"/> P <input type="checkbox"/> M
		Tmax		Ti4	
0.2	DCMT-070202-EN-MF	■		■	
0.4	DCMT-070204-EN-MF	■		■	
0.2	DCMT-11T302-EN-MF	■		■	
0.4	DCMT-11T304-EN-MF	■		■	



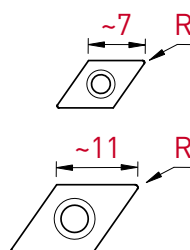
**DCMT
EN-HF3**

R	Art. N°	PVD		CVD	
		<input type="checkbox"/> P <input checked="" type="checkbox"/> M	<input type="checkbox"/> P <input checked="" type="checkbox"/> M	<input type="checkbox"/> P <input checked="" type="checkbox"/> M	<input type="checkbox"/> P <input type="checkbox"/> M
		TiX	HTiX	Ti6	
0,2	DCMT-070202-EN-HF3	■	■	■	
0.4	DCMT-070204-EN-HF3	■	■	■	
0,2	DCMT-11T302-EN-HF3	■	■	■	
0.4	DCMT-11T304-EN-HF3	■	■	■	
0.8	DCMT-11T308-EN-HF3	■	■	■	



**DCMT
EN-HF**

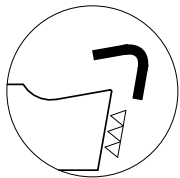
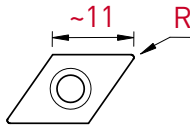
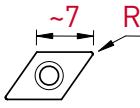
R	Art. N°	PVD		CVD		
		<input type="checkbox"/> P <input checked="" type="checkbox"/> M	<input type="checkbox"/> P <input checked="" type="checkbox"/> M	<input type="checkbox"/> P <input checked="" type="checkbox"/> M	<input type="checkbox"/> P <input checked="" type="checkbox"/> M	<input type="checkbox"/> P <input checked="" type="checkbox"/> M
		Tmax	TAC	Ti4	Ti5	HTi5
0,2	DCMT-070202-EN-HF		■		■	■
0.4	DCMT-070204-EN-HF	■	■	■	■	■
0.8	DCMT-070208-EN-HF	■	■	■	■	■
0,2	DCMT-11T302-EN-HF		■		■	■
0.4	DCMT-11T304-EN-HF	■	■	■	■	■
0.8	DCMT-11T308-EN-HF	■	■	■	■	■





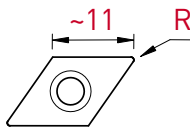
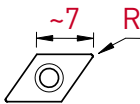
**DCGT
FN-X8**

		CERMET	
		PVD	non revêtu unbeschichtet uncoated
		<input type="checkbox"/> P <input type="checkbox"/> M <input type="checkbox"/>	<input type="checkbox"/> P <input type="checkbox"/> <input type="checkbox"/>
		CTA	CN6
R	Art. N°		
0.05	DCGT-0702005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	DCGT-070201-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	DCGT-070202-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	DCGT-11T3005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	DCGT-11T301-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	DCGT-11T302-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	DCGT-11T304-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



**DCGT
ENP-KX**

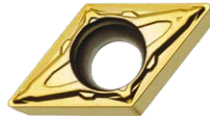
		CERMET		
		PVD		non revêtu unbeschichtet uncoated
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		CT7	HCT7	CN6
R	Art. N°			
0.1	DCGT-070201-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	DCGT-070202-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	DCGT-070204-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	DCGT-11T301-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	DCGT-11T302-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	DCGT-11T304-ENP-KX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



Plaquettes CERMET
 CERMET-Wendepplatten
 CERMET inserts

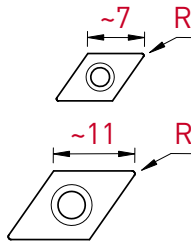
55°

DCMT-KM



DCMT
 EN-KM

		CERMET		
		PVD		non revêtu unbeschichtet uncoated
		P	P	P
		M	M	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		CT7	HCT7	CN6
R	Art. N°			
0.2	DCMT-070202-EN-KM	■	■	■
0.4	DCMT-070204-EN-KM	■	■	■
0.2	DCMT-11T302-EN-KM	■	■	■
0.4	DCMT-11T304-EN-KM	■	■	■
0.8	DCMT-11T308-EN-KM	■	■	■



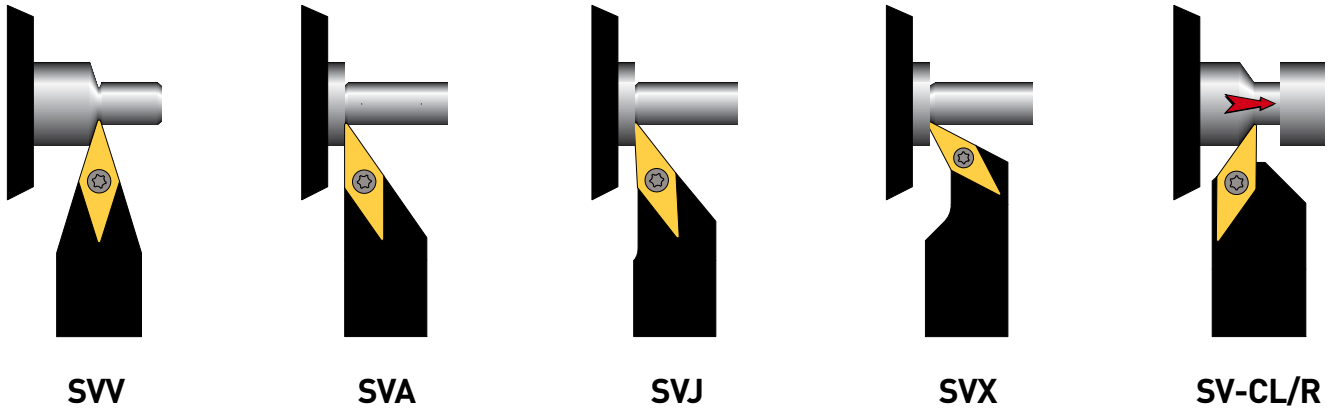
ISO-Line

Outils de tournage 35°

35°-Drehwerkzeuge

Turning tools 35°

35°



SVV

SVA

SVJ

SVX

SV-CL/R

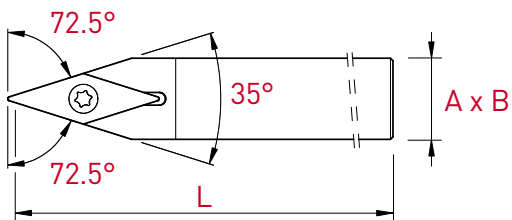
Porte-outils

Halter

Holder

35°

SVV



Plaquette WSP Insert	A x B x L	Art. N°
VC..-1103..	8 x 8 x 115	SVVCN-08108X-11
	10 x 10 x 115	SVVCN-1010X-11
	12 x 12 x 130	SVVCN-1212X-11
	12 x 12 x 90	SVVCN-1212G-11
	12.7 x 12.7 x 130	SVVCN-12.7-X-11
	16 x 16 x 130	SVVCN-1616X-11
	16 x 16 x 75	SVVCN-1616F-11
20 x 20 x 120	SVVCN-2020X-11	
VC..-1303..	8 x 10 x 115	SVVCN-0810X-13
	10 x 10 x 115	SVVCN-1010X-13
	12 x 12 x 130	SVVCN-1212X-13
	12 x 12 x 90	SVVCN-1212G-13
	12.7 x 12.7 x 130	SVVCN-12.7-X-13
	16 x 16 x 130	SVVCN-1616X-13
	16 x 16 x 75	SVVCN-1616F-13
20 x 20 x 120	SVVCN-2020X-13	
VC..-1604..	12 x 12 x 130	SVVCN-1212X-16
	12 x 12 x 90	SVVCN-1212G-16
	12.7 x 12.7 x 130	SVVCN-12.7-X-16
	16 x 16 x 130	SVVCN-1616X-16
	16 x 16 x 75	SVVCN-1616F-16
20 x 20 x 120	SVVCN-2020X-16	

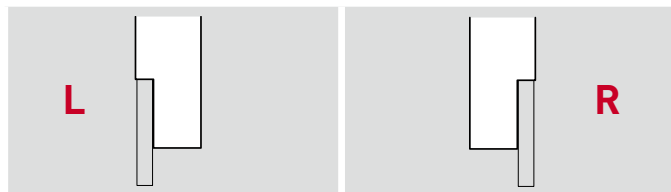
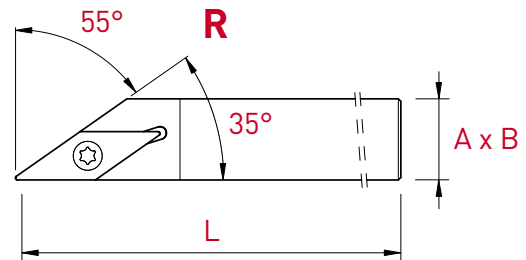
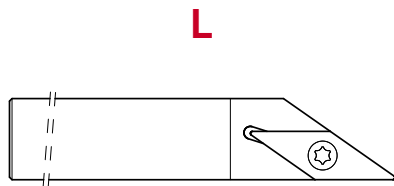
Porte-outils

Halter

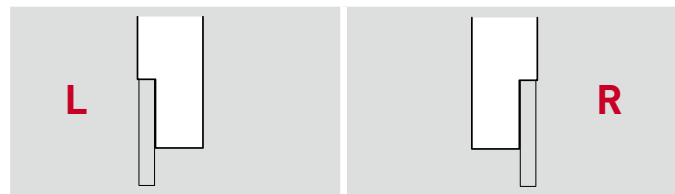
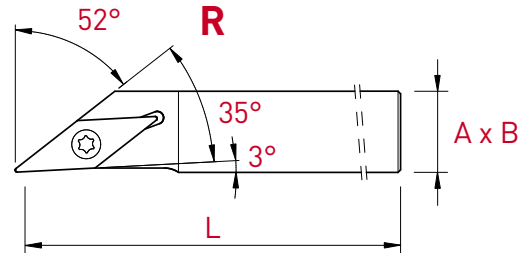
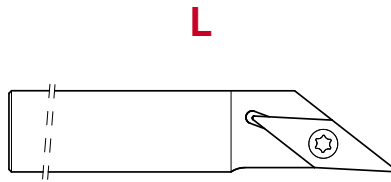
Holder

35°

SVA



Plaquette WSP Insert	A x B x L	Art. N°	Art. N°
VC...-1103..	8 x 8 x 115	SVACL-0808X-11	SVACR-0808X-11
	10 x 10 x 115	SVACL-1010X-11	SVACR-1010X-11
	12 x 12 x 130	SVACL-1212X-11	SVACR-1212X-11
	12 x 12 x 90	SVACL-1212G-11	SVACR-1212G-11
	12.7 x 12.7 x 130	SVACL-12.7-X-11	SVACR-12.7-X-11
	16 x 16 x 130	SVACL-1616X-11	SVACR-1616X-11
	16 x 16 x 75	SVACL-1616F-11	SVACR-1616F-11
	20 x 20 x 120	SVACL-2020X-11	SVACR-2020X-11
VC...-1604..	12 x 12 x 130	SVACL-1212X-16	SVACR-1212X-16
	12 x 12 x 90	SVACL-1212G-16	SVACR-1212G-16
	12.7 x 12.7 x 130	SVACL-12.7-X-16	SVACR-12.7-X-16
	16 x 16 x 130	SVACL-1616X-16	SVACR-1616X-16
	16 x 16 x 75	SVACL-1616F-16	SVACR-1616F-16
	20 x 20 x 120	SVACL-2020X-16	SVACR-2020X-16

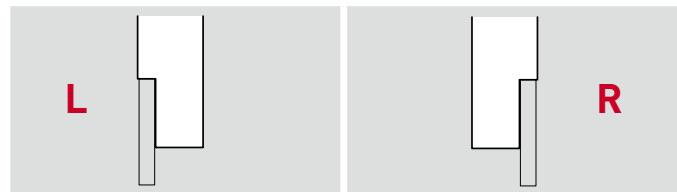
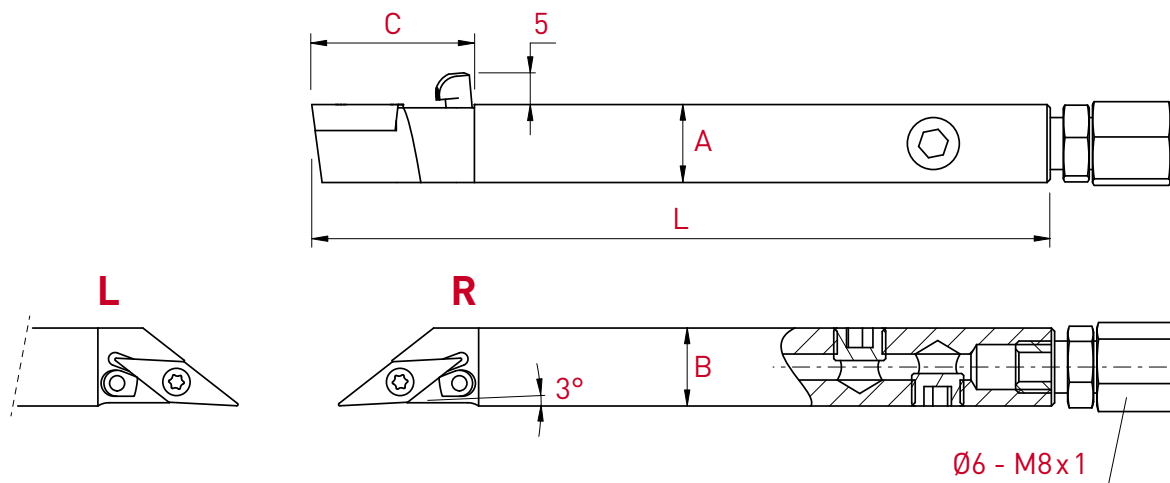


Plaquette WSP Insert	A x B x L	Art. N°	Art. N°
VC...-1103..	8 x 8 x 115	SVJCL-0808X-11	SVJCR-0808X-11
	10 x 10 x 115	SVJCL-1010X-11	SVJCR-1010X-11
	12 x 12 x 130	SVJCL-1212X-11	SVJCR-1212X-11
	12 x 12 x 90	SVJCL-1212G-11	SVJCR-1212G-11
	12.7 x 12.7 x 130	SVJCL-12.7-X-11	SVJCR-12.7-X-11
	16 x 16 x 130	SVJCL-1616X-11	SVJCR-1616X-11
	16 x 16 x 75	SVJCL-1616F-11	SVJCR-1616F-11
20 x 20 x 120	SVJCL-2020X-11	SVJCR-2020X-11	
VC...-1303..	8 x 10 x 115	SVJCL-0810X-13	SVJCR-0810X-13
	10 x 10 x 115	SVJCL-1010X-13	SVJCR-1010X-13
	12 x 12 x 130	SVJCL-1212X-13	SVJCR-1212X-13
	12 x 12 x 90	SVJCL-1212G-13	SVJCR-1212G-13
	12.7 x 12.7 x 130	SVJCL-12.7-X-13	SVJCR-12.7-X-13
	16 x 16 x 130	SVJCL-1616X-13	SVJCR-1616X-13
	16 x 16 x 75	SVJCL-1616F-13	SVJCR-1616F-13
20 x 20 x 120	SVJCL-2020X-13	SVJCR-2020X-13	
VC...-1604..	12 x 12 x 130	SVJCL-1212X-16	SVJCR-1212X-16
	12 x 12 x 90	SVJCL-1212G-16	SVJCR-1212G-16
	12.7 x 12.7 x 130	SVJCL-12.7-X-16	SVJCR-12.7-X-16
	16 x 16 x 130	SVJCL-1616X-16	SVJCR-1616X-16
	16 x 16 x 75	SVJCL-1616F-16	SVJCR-1616F-16
20 x 20 x 120	SVJCL-2020X-16	SVJCR-2020X-16	

Porte-outils avec arrosage intégré
 Halter mit integriertem Kühlmittelzufuhr
 Holder with integrated coolant supply

35°

SVJ-JET



Plaquette WSP Insert	A x B x L	C	Art. N°	Art. N°
VC..-1103..	10 x 10 x 110	21	SVJCL-1010J-11-JET	SVJCR-1010J-11-JET
	12 x 12 x 110	21	SVJCL-1212J-11-JET	SVJCR-1212J-11-JET
	12.7 x 12.7 x 110	21	SVJCL-12.7-J-11-JET	SVJCR-12.7-J-11-JET
	16 x 16 x 110	21	SVJCL-1616J-11-JET	SVJCR-1616J-11-JET
	20 x 20 x 120	21	SVJCL-2020J-11-JET	SVJCR-2020J-11-JET
VC..-1303..	10 x 10 x 110	26	SVJCL-1010J-13-JET	SVJCR-1010J-13-JET
	12 x 12 x 110	26	SVJCL-1212J-13-JET	SVJCR-1212J-13-JET
	12.7 x 12.7 x 110	26	SVJCL-12.7-J-13-JET	SVJCR-12.7-J-13-JET
	16 x 16 x 110	26	SVJCL-1616J-13-JET	SVJCR-1616J-13-JET
	20 x 20 x 110	26	SVJCL-2020J-13-JET	SVJCR-2020J-13-JET
VC..-1604..	12 x 12 x 130	30	SVJCL-1212J-16-JET	SVJCR-1212J-16-JET
	12.7 x 12.7 x 130	30	SVJCL-12.7-J-16-JET	SVJCR-12.7-J-16-JET
	16 x 16 x 130	30	SVJCL-1616J-16-JET	SVJCR-1616J-16-JET
	20 x 20 x 120	30	SVJCL-2020J-16-JET	SVJCR-2020J-16-JET

ISO-Line

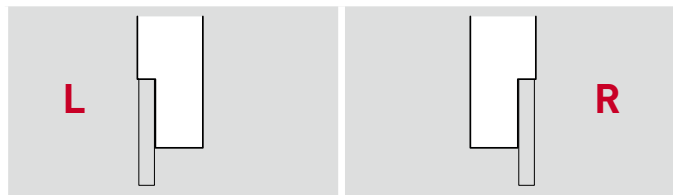
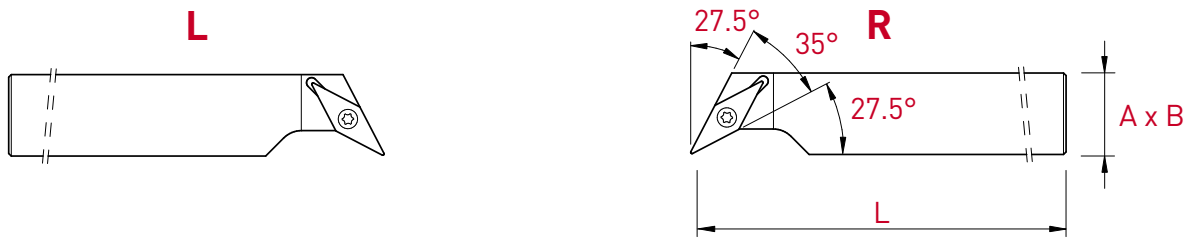
Porte-outils

Halter

Holder

35°

SVX



Plaquette WSP Insert	A x B x L	Art. N°	Art. N°
VC..-1103..	16 x 16 x 130	SVXCL-1616X-11	SVXCR-1616X-11
	16 x 16 x 75	SVXCL-1616F-11	SVXCR-1616F-11
	20 x 20 x 120	SVXCL-2020X-11	SVXCR-2020X-11

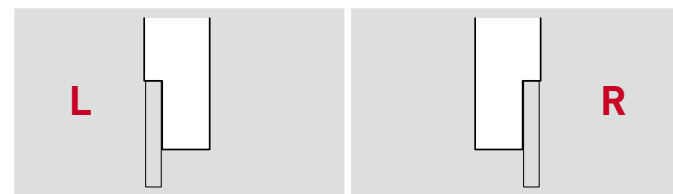
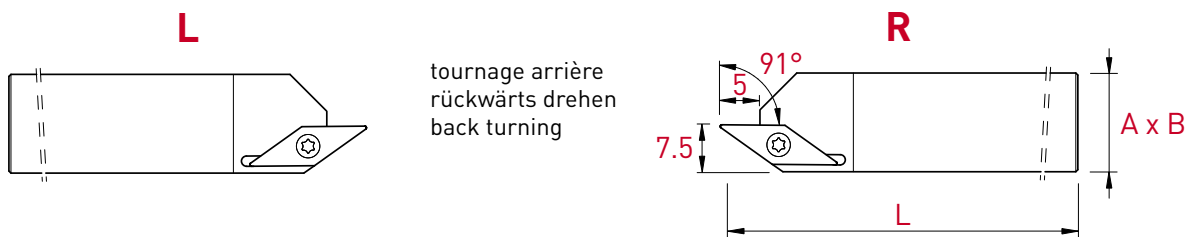
Porte-outils

Halter

Holder

35°

SV-CL/R



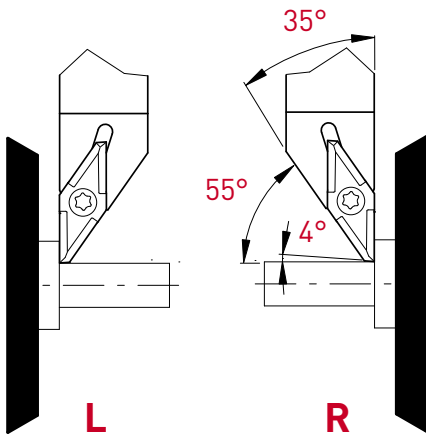
Plaquette WSP Insert	A x B x L	Art. N°	Art. N°
VCG..-1103..	12 x 12 x 130	SV-CL-1212X-11	SV-CR-1212X-11
	12 x 12 x 90	SV-CL-1212G-11	SV-CR-1212G-11
	12.7 x 12.7 x 130	SV-CL-12.7-X-11	SV-CR-12.7-X-11
	16 x 16 x 130	SV-CL-1616X-11	SV-CR-1616X-11
	16 x 16 x 75	SV-CL-1616F-11	SV-CR-1616F-11
	20 x 20 x 120	SV-CL-2020X-11	SV-CR-2020X-11

Porte-outils compatibles avec plaquettes VCGT FL/FR-X10°

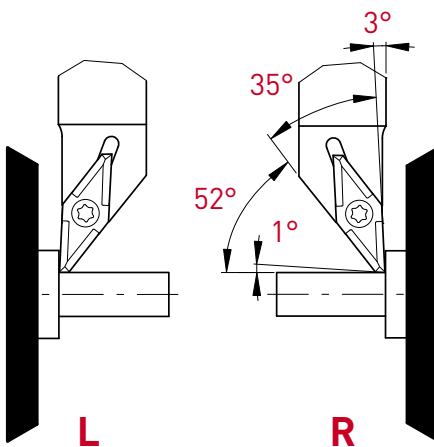
Passende Halter zu den Wendepplatten VCGT FL/FR-X10°

Holder compatible with inserts VCGT FL/FR-X10°

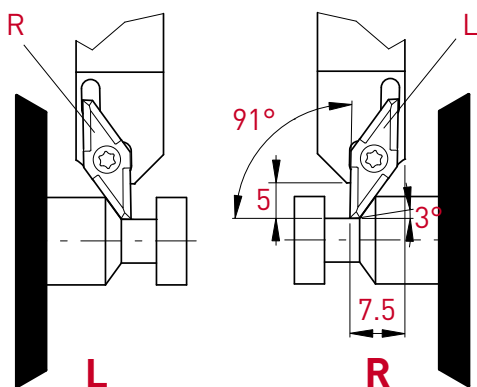
35°



	Art. N°
R	SVACR-...-11
L	SVACL-...-11



	Art. N°
R	SVJCR-...-11
L	SVJCL-...-11



	Art. N°
R	SV-CR-...-11
L	SV-CL-...-11

Plaquettes en métal dur

VHM-Wendepplatten

Solid carbide inserts

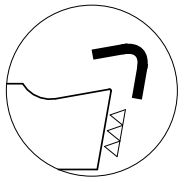
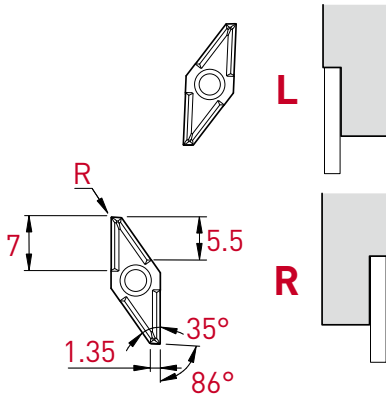
35°

VCGT-L/R-X10



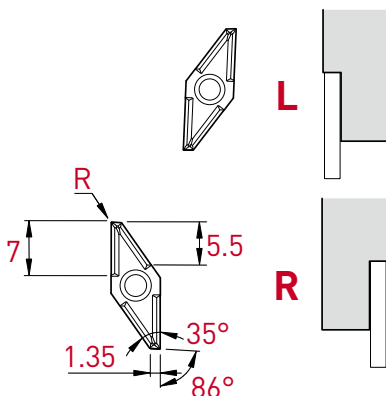
**VCGT
FL / FR-X10**

R	Art. N°	PVD					non revêtu unbeschichtet uncoated	
		TiALN	HTA	TiALX	HTAX	TiN	K10	K20
0.03	VCGT-1103003-FL-X10	■	■			■	■	
0.08	VCGT-1103008-FL-X10	■	■			■	■	
0.1	VCGT-110301-FL-X10	■	■			■	■	
0.2	VCGT-110302-FL-X10	■	■			■	■	
0.03	VCGT-1103003-FR-X10	■	■	■	■	■	■	
0.08	VCGT-1103008-FR-X10	■	■	■	■	■	■	
0.1	VCGT-110301-FR-X10	■	■	■	■	■	■	
0.2	VCGT-110302-FR-X10	■	■	■	■	■	■	



**VCGT
ELP/ERP-X10**

R	Art. N°	PVD					non revêtu unbeschichtet uncoated	
		TiALN	HTA	TiALX	HTAX	TiN	K10	K20
0.03	VCGT-1103003-ELP-X10	■	■			■	■	
0.08	VCGT-1103008-ELP-X10	■	■			■	■	
0.1	VCGT-110301-ELP-X10	■	■			■	■	
0.2	VCGT-110302-ELP-X10	■	■			■	■	
0.03	VCGT-1103003-ERP-X10	■	■	■	■	■	■	
0.08	VCGT-1103008-ERP-X10	■	■	■	■	■	■	
0.1	VCGT-110301-ERP-X10	■	■	■	■	■	■	
0.2	VCGT-110302-ERP-X10	■	■	■	■	■	■	



Plaquettes en métal dur

VHM-Wendeplatten

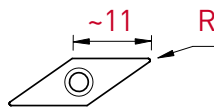
Solid carbide inserts

35°

VCGT-K18
VCGW-0



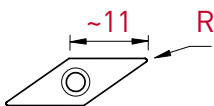
**VCGT
FN-K18**



R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		HTA	HTiN	K10
0.05	VCGT-1103005-FN-K18	■	■	■
0.1	VCGT-110301-FN-K18	■	■	■
0.2	VCGT-110302-FN-K18	■	■	■
0.4	VCGT-110304-FN-K18	■	■	■



**VCGW
FN-0**

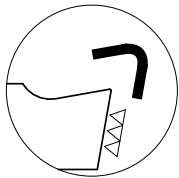
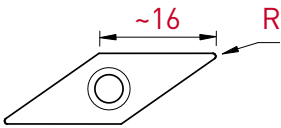
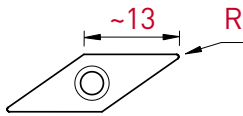
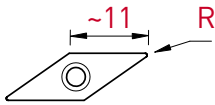


R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		HTA	HTiN	K10
0.05	VCGW-1103005-FN-0	■	■	■
0.1	VCGW-110301-FN-0	■	■	■
0.2	VCGW-110302-FN-0	■	■	■
0.4	VCGW-110304-FN-0	■	■	■



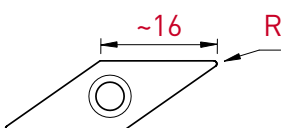
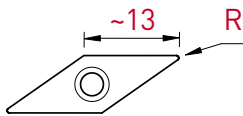
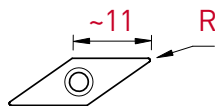
VCVT FN-X8

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiALN	HTA	TiN	K10	K20
0.05	VCVT-1103005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.08	VCVT-1103008-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.1	VCVT-110301-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0,15	VCVT-1103015FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	VCVT-110302-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	VCVT-110304-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.05	VCVT-1303005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.1	VCVT-130301-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	VCVT-130302-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	VCVT-130304-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.05	VCVT-1604005-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.1	VCVT-160401-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	VCVT-160402-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	VCVT-160404-FN-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



VCVT ENP-X8

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiALN	TiN	K20
0.05	VCVT-1103005-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0,08	VCVT-1103008-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.1	VCVT-110301-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0,15	VCVT-1103015-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	VCVT-110302-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0.4	VCVT-110304-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0.05	VCVT-1303005-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.1	VCVT-130301-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.2	VCVT-130302-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.4	VCVT-130304-ENP-X8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.05	VCVT-1604005-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0.1	VCVT-160401-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0.2	VCVT-160402-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0.4	VCVT-160404-ENP-X8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

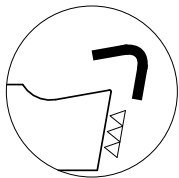
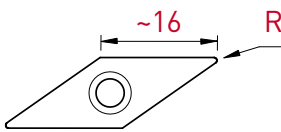
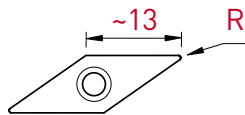
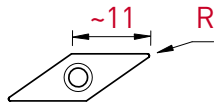
35°

VCGT-X17



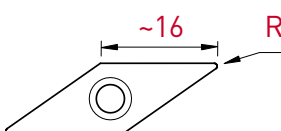
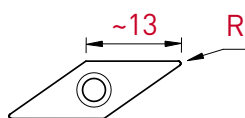
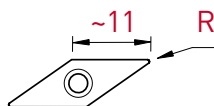
**VCGT
FN-X17**

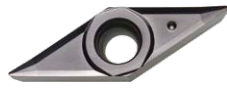
R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiALN	HTA	TiN	K10	K20
0.05	VCGT-1103005-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0,08	VCGT-1103008-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	VCGT-110301-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0,15	VCGT-1103015-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	VCGT-110302-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	VCGT-110304-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	VCGT-1303005-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	VCGT-130301-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	VCGT-130302-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	VCGT-130304-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	VCGT-1604005-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	VCGT-160401-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	VCGT-160402-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	VCGT-160404-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.8	VCGT-160408-FN-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



**VCGT
ENP-X17**

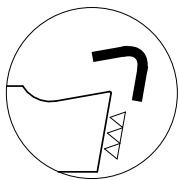
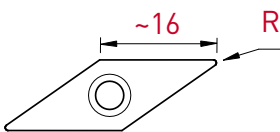
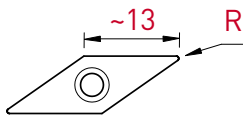
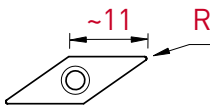
R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiALN	TiN	K20
0.05	VCGT-1103005-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0,08	VCGT-1103008-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	VCGT-110301-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0,15	VCGT-1103015-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	VCGT-110302-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	VCGT-110304-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	VCGT-1303005-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	VCGT-130301-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	VCGT-130302-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	VCGT-130304-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.05	VCGT-1604005-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.1	VCGT-160401-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.2	VCGT-160402-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.4	VCGT-160404-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
0.8	VCGT-160408-ENP-X17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>





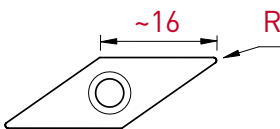
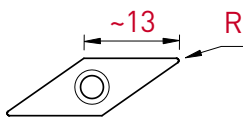
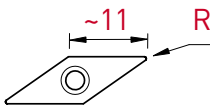
VCGT FN-X25

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiALN	HTA	TiN	K10	K20
		P M N S	P M N S	P M N	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
0.05	VCGT-1103005-FN-X25	■	■	■	■	■
0.1	VCGT-110301-FN-X25	■	■	■	■	■
0.2	VCGT-110302-FN-X25	■	■	■	■	■
0.4	VCGT-110304-FN-X25	■	■	■	■	■
0.05	VCGT-1303005-FN-X25	■	■	■	■	■
0.1	VCGT-130301-FN-X25	■	■	■	■	■
0.2	VCGT-130302-FN-X25	■	■	■	■	■
0.4	VCGT-130304-FN-X25	■	■	■	■	■
0.8	VCGT-130308-FN-X25	■	■	■	■	■
0.05	VCGT-1604005-FN-X25	■	■	■	■	■
0.1	VCGT-160401-FN-X25	■	■	■	■	■
0.2	VCGT-160402-FN-X25	■	■	■	■	■
0.4	VCGT-160404-FN-X25	■	■	■	■	■
0.8	VCGT-160408-FN-X25	■	■	■	■	■



VCGT ENP-X25

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiALN	TiN	K20
		P M N S	P M N	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
0.05	VCGT-1103005-ENP-X25	■	■	■
0.1	VCGT-110301-ENP-X25	■	■	■
0.2	VCGT-110302-ENP-X25	■	■	■
0.4	VCGT-110304-ENP-X25	■	■	■
0.05	VCGT-1303005-ENP-X25	■	■	■
0.1	VCGT-130301-ENP-X25	■	■	■
0.2	VCGT-130302-ENP-X25	■	■	■
0.4	VCGT-130304-ENP-X25	■	■	■
0.8	VCGT-130308-ENP-X25	■	■	■
0.05	VCGT-1604005-ENP-X25	■	■	■
0.1	VCGT-160401-ENP-X25	■	■	■
0.2	VCGT-160402-ENP-X25	■	■	■
0.4	VCGT-160404-ENP-X25	■	■	■
0.8	VCGT-160408-ENP-X25	■	■	■



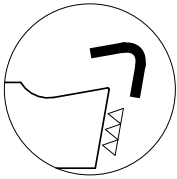
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

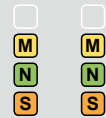
35°

VCGT-X20

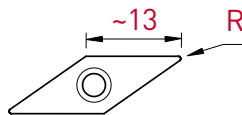


**VCGT
ENP-X20**

PVD



R	Art. N°	ZTA	HTiX
0.2	VCGT-130302-ENP-X20	■	■
0.4	VCGT-130304-ENP-X20	■	■
0.8	VCGT-130308-ENP-X20	■	■



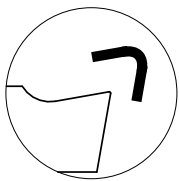
Plaquettes en métal dur

VHM-Wendeplatten

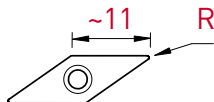
Solid carbide inserts

35°

VCMT-XF3
VCMT-XF2

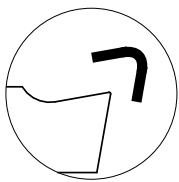


VCMT
EN-XF3

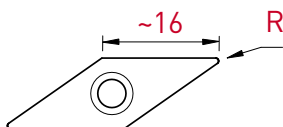
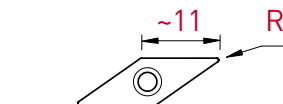


R	Art. N°	PVD	
		TAC	HTAC
0.2	VCMT-110302-EN-XF3	■	■
0.4	VCMT-110304-EN-XF3	■	■

PVD	
TAC	HTAC
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>



VCMT
EN-XF2



R	Art. N°	PVD		CVD
		TAC	HTAC	HTi5
0.2	VCMT-110302-EN-XF2	■	■	■
0.4	VCMT-110304-EN-XF2	■	■	■
0.4	VCMT-160404-EN-XF2	■	■	■

PVD		CVD
TAC	HTAC	HTi5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

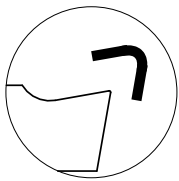
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

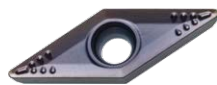
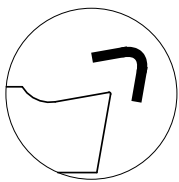
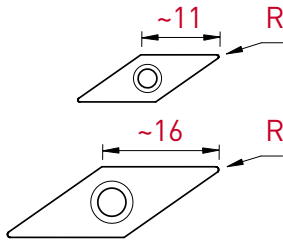
35°

VCMT-MF
VCMT-HF



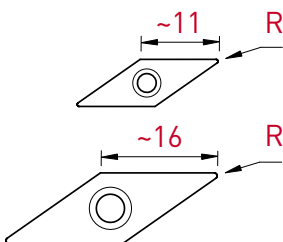
**VCMT
EN-MF**

R	Art. N°	PVD	CVD
		<input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> M <input type="checkbox"/> <input type="checkbox"/> Tmax	<input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> M <input type="checkbox"/> <input type="checkbox"/> Ti4
0.2	VCMT-110302-EN-MF	■	■
0.4	VCMT-110304-EN-MF	■	■
0.4	VCMT-160404-EN-MF	■	■



**VCMT
EN-HF**

R	Art. N°	PVD	CVD
		<input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> M <input type="checkbox"/> <input type="checkbox"/> Tmax	<input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> M <input type="checkbox"/> <input type="checkbox"/> Ti4
0.4	VCMT-110304-EN-HF	■	■
0.8	VCMT-110308-EN-HF	■	■
0.4	VCMT-160404-EN-HF	■	■
0.8	VCMT-160408-EN-HF	■	■



Plaquettes CERMET

CERMET-Wendepplatten

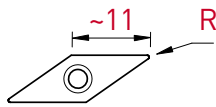
CERMET inserts

35°

VCGT-X8



**VCGT
FN-X8**







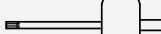



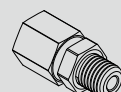

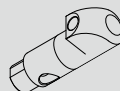
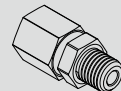

R	Art. N°	CERMET	
		PVD	non revêtu unbeschichtet uncoated
		<input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> M <input type="checkbox"/>	<input checked="" type="checkbox"/> P <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		CTA	CN6
0.05	VCGT-1103005-FN-X8	■	■
0.1	VCGT-110301-FN-X8	■	■
0.2	VCGT-110302-FN-X8	■	■
0.4	VCGT-110304-FN-X8	■	■

Pièces de rechange et accessoires

Ersatzteile und Zubehör

Spare parts and accessories

Vis et clés de rechange Ersatzschrauben und Schlüssel Spare screws and keys	Porte-outils Halter Holders	Vis Schrauben Screw	Clé Schlüssel Key		
				Option	Serrage Drehmoment Torque
Series SC...-06 Series SD...-07 Series SV...-11		V-M2.5X7.8-T8 	C-T8 	SET-NM-TX8	1.3 Nm
Series SV...-13		V-M3X7.3-T8-ISO 	C-T8 	SET-NM-TX8	2.0 Nm
Series SC...-09 Series SD...-11 Series SV...-16		V-M4X9-T15-ISO 	C-T15 	SET-NM-TX15	3.0 Nm

Pièces de rechange JET Ersatzteile JET Spare parts JET	L Pour réf. For ref. Für Ref	 *	 *	 *
		Art. N°	Art. N°	Art. N°
	S...L-10...-JET	JJL-4X12-D1.5	J-M8X1-D6	JB-M8X1
	S...L-12...-JET S...L-12.7...-JET	JJL-4X14-D1.5	J-M8X1-D6	JB-M8X1
S...L-16...-JET S...L-20...-JET	JJL-4X17-D1.5	J-M8X1-D6	JB-M8X1	
R Pour réf. For ref. Für Ref	 *	 *	 *	
				Art. N°
	S...R-10...-JET	JJR-4X12-D1.5	J-M8X1-D6	JB-M8X1
	S...R-12...-JET S...R-12.7...-JET	JJR-4X14-D1.5	J-M8X1-D6	JB-M8X1
S...R-16...-JET S...R-20...-JET	JJR-4X17-D1.5	J-M8X1-D6	JB-M8X1	

* livré avec chaque porte-outil
mit jedem Halter geliefert
delivered with each holder

Paramètres de coupe indicatifs

Empfohlene Schnittwerte

Standard machining data

ISO-Line	G tolerance class	tough grade, for normal to difficult machining conditions	Wear resistant grade, for finishing and light machining	Acier Stahl Steel						Inox Rostfreistahl Stainless steel			
				Acier de décolletage Automatenstahl Free-cutting steel		Acier faiblement allié Leicht legierter Stahl Low alloyed steel		Acier fortement allié Hochlegierter Stahl High alloyed steel		Austénitique Austenitisch Austenitic		Martensitique Martensitisch Martensitic	
				VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)
FN-X8	TiALN	HTA		80-180	0.01-0.12	60-150	0.01-0.10	50-120	0.01-0.08	60-140	0.01-0.12	60-140	0.01-0.12
	TiN			80-170	0.01-0.12	60-140	0.01-0.10			60-120	0.01-0.12	60-120	0.01-0.12
	N	HN											
ENP-X8	TiALN	HTA		80-180	0.03-0.15	60-160	0.03-0.12	50-120	0.03-0.10	60-140	0.03-0.12	60-140	0.03-0.15
	TiN			80-170	0.03-0.15	60-150	0.03-0.12			60-120	0.03-0.12	60-120	0.03-0.15
	N	HN											
FN-X17	TiALN	HTA		80-180	0.01-0.12	60-150	0.01-0.10			60-140	0.01-0.15	60-140	0.01-0.15
	TiN			80-170	0.01-0.12					60-120	0.01-0.15	60-120	0.01-0.15
	N	HN											
ENP-X17	TiALN	HTA		80-180	0.03-0.15	60-160	0.03-0.12	50-120	0.03-0.10	60-140	0.03-0.15	60-140	0.03-0.18
	TiN			80-170	0.03-0.15	60-150	0.03-0.12			60-120	0.01-0.15	60-120	0.03-0.18
	N	HN											
FN-X25	TiALN	HTA								60-140	0.01-0.12		
	TiN									60-120	0.01-0.12		
	N	HN											
ENP-X25	TiALN	HTA								60-140	0.03-0.12	60-140	0.03-0.15
	TiN									60-120	0.03-0.12	60-120	0.03-0.15
	N	HN											
ENP-X20	ZTA									60-140	0.03-0.18	60-140	0.03-0.18
		HTiX								60-140	0.03-0.18	60-140	0.03-0.18

G tolerance class
Special 35° VC...-11

FL / FR-X10	TiALN	HTA	80-180	0.01-0.12	60-150	0.01-0.10	50-120	0.01-0.08	60-140	0.01-0.12	60-140	0.01-0.12
	TiALX	HTAX	80-180	0.01-0.12	60-150	0.01-0.10	50-120	0.01-0.08	60-140	0.01-0.12	60-140	0.01-0.12
	TiN		80-170	0.01-0.12	60-140	0.01-0.10			60-120	0.01-0.12	60-120	0.01-0.12
	N	HN										
ELP/ERP-X10	TiALN	HTA	80-180	0.03-0.15	60-160	0.03-0.12	50-120	0.03-0.10	60-140	0.03-0.12	60-140	0.03-0.15
	TiALX	HTAX	80-180	0.03-0.15	60-160	0.03-0.12	50-120	0.03-0.10	60-140	0.03-0.12	60-140	0.03-0.15
	TiN		80-170	0.03-0.15	60-150	0.03-0.12			60-120	0.03-0.12	60-120	0.03-0.15
	N	HN										
FN-K18		HTA	80-180	0.01-0.10	60-150	0.01-0.10			60-140	0.01-0.10	60-140	0.01-0.10
		HTiN	80-170	0.01-0.10	60-140	0.01-0.10			60-120	0.01-0.10	60-120	0.01-0.10
		HN										
FN-0		HTA	80-150	0.01-0.10								
		HTiN	80-140	0.01-0.10								
		HN										

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N Alliages d'aluminium et non ferreux Aluminium- und Nichteisenlegierungen Aluminium and non-ferrous alloys								S Titane et superalliages Titan und Superlegierungen Titanium and superalloys					
Aluminium		Al-Si		Cuivre Kupfer Copper		Laiton & bronze Messing & Bronze Brass & bronze		Ti grade 1 - 3		Ti grade 4 - 6		Superalliages Superlegierungen Superalloys	
VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)
		150-1600	0.01-0.15	80-300	0.01-0.12	100-400	0.01-0.15			30-60	0.01-0.12	40-70	0.01-0.10
120-2200	0.01-0.18	150-1600	0.01-0.15	80-300	0.01-0.12	100-400	0.01-0.15						
120-2000	0.01-0.18	150-1500	0.01-0.15	80-250	0.01-0.12	100-300	0.01-0.15	30-70	0.01-0.12				
		150-800	0.03-0.18	80-300	0.03-0.15					30-60	0.03-0.12	40-70	0.03-0.10
		150-800	0.03-0.18	80-300	0.03-0.15								
		150-800	0.03-0.18	80-250	0.03-0.15								
		150-1600	0.01-0.18	80-300	0.01-0.15	100-400	0.01-0.18			30-70	0.01-0.15	40-80	0.01-0.12
120-2200	0.01-0.25	150-1600	0.01-0.18	80-300	0.01-0.15	100-400	0.01-0.18						
120-2000	0.01-0.25	150-1500	0.01-0.18	80-250	0.01-0.15	100-300	0.01-0.18	40-80	0.01-0.15				
		150-800	0.03-0.20	80-300	0.03-0.18					30-70	0.03-0.15	40-80	0.03-0.12
		150-800	0.03-0.20	80-300	0.03-0.18								
		150-800	0.03-0.20	80-250	0.03-0.18								
		150-1600	0.01-0.22	80-300	0.01-0.18					30-60	0.01-0.12	40-70	0.01-0.10
120-2200	0.01-0.30	150-1600	0.01-0.22	80-300	0.01-0.18								
120-2000	0.01-0.30	150-1500	0.01-0.22	80-250	0.01-0.18			30-70	0.01-0.12				
		150-800	0.03-0.25	80-300	0.03-0.20					30-60	0.03-0.12	40-70	0.03-0.10
		150-800	0.03-0.25	80-300	0.03-0.20								
		150-800	0.03-0.25	80-250	0.03-0.20								
		150-800	0.03-0.25	80-300	0.03-0.20					40-90	0.03-0.15	40-100	0.03-0.15
		150-800	0.03-0.25	80-300	0.03-0.20					40-80	0.03-0.15	40-90	0.03-0.15
		150-1600	0.01-0.18	80-300	0.01-0.15	100-400	0.01-0.18			30-60	0.01-0.12	40-70	0.01-0.10
								30-70	0.01-0.12	30-60	0.01-0.12	40-70	0.01-0.10
120-2200	0.01-0.20	150-1600	0.01-0.18	80-300	0.01-0.15	100-400	0.01-0.18						
120-2000	0.01-0.20	150-1500	0.01-0.18	80-250	0.01-0.15	100-300	0.01-0.18	30-70	0.01-0.12				
		150-1600	0.03-0.20	80-300	0.03-0.18					30-60	0.03-0.12	40-70	0.03-0.10
										30-60	0.03-0.12	40-70	0.03-0.10
		150-1600	0.03-0.20	80-300	0.01-0.18								
		150-1500	0.03-0.20	80-250	0.01-0.18								
		150-1600	0.01-0.12	80-300	0.01-0.10					30-70	0.01-0.10	40-80	0.01-0.10
120-2200	0.01-0.15	150-1600	0.01-0.12	80-300	0.01-0.10								
120-2000	0.01-0.15	150-1500	0.01-0.12	80-250	0.01-0.10			40-80	0.01-0.10				
						100-400	0.01-0.18						
						100-400	0.01-0.18						
						100-300	0.01-0.18						

Paramètres de coupe indicatifs

Empfohlene Schnittwerte

Standard machining data

ISO-Line	M tolerance class	tough grade, for normal to difficult machining conditions	Wear resistant grade, for finishing and light machining	Acier Stahl Steel						Inox Rostfreistahl Stainless steel			
				Acier de décolletage Automatenstahl Free-cutting steel		Acier faiblement allié Leicht legierter Stahl Low alloyed steel		Acier fortement allié Hochlegierter Stahl High alloyed steel		Austénitique Austenitisch Austenitic		Martensitique Martensitisch Martensitic	
				VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)
EN-XF3		TAC	HTAC	100-200	0.03-0.15	80-160	0.03-0.12	50-120	0.03-0.10	60-140	0.03-0.12	60-140	0.03-0.15
EN-XF2		TAC	HTAC	100-200	0.03-0.15	80-160	0.03-0.12	50-120	0.03-0.10	60-140	0.03-0.12	60-140	0.03-0.15
			HTi5	100-250	0.03-0.15	80-220	0.03-0.12	50-180	0.03-0.10	80-200	0.03-0.12	80-200	0.03-0.15
EN-MF2		TAC	HTAC	100-200	0.04-0.15	80-160	0.04-0.12	50-120	0.04-0.10	60-140	0.04-0.12	60-140	0.04-0.15
			HTi5	100-250	0.04-0.15	80-220	0.04-0.12	50-180	0.04-0.10	80-200	0.04-0.12	80-200	0.04-0.15
EN-MF		Tmax		100-220	0.04-0.30	80-180	0.04-0.25	50-150	0.04-0.20	60-150	0.04-0.25	60-150	0.04-0.25
			Ti4	100-250	0.05-0.30	80-220	0.05-0.25	50-180	0.05-0.20	80-200	0.05-0.25	80-200	0.05-0.25
EN-HF3		TiX	HTiX	100-220	0.06-0.35	80-180	0.06-0.30	50-150	0.06-0.25	60-150	0.06-0.25	60-150	0.06-0.25
			Ti6	100-250	0.06-0.35	80-220	0.06-0.30	50-180	0.06-0.25	80-200	0.06-0.25	80-200	0.06-0.25
EN-HF		Tmax		100-220	0.08-0.40	80-180	0.08-0.35	50-150	0.08-0.30	60-150	0.08-0.30	60-150	0.08-0.30
			TAC	100-200	0.08-0.40	80-160	0.08-0.35	50-140	0.08-0.30	60-140	0.08-0.30	60-140	0.08-0.30
			Ti4	100-250	0.08-0.40	80-220	0.08-0.35	50-180	0.08-0.30	80-200	0.08-0.30	80-200	0.08-0.30
			Ti5	100-280	0.08-0.40	80-250	0.08-0.35	50-200	0.08-0.30	80-220	0.08-0.30	80-220	0.08-0.30

ISO-Line CERMET													
FN-X8 CERMET		CTA		100-350	0.01-0.12	80-300	0.01-0.10	70-250	0.01-0.08	80-250	0.01-0.12	80-250	0.01-0.12
			CN6	100-300	0.01-0.12	80-250	0.01-0.10	70-200	0.01-0.08				
ENP-KX CERMET		CT7	HCT7	100-350	0.03-0.20	80-300	0.03-0.18	70-250	0.03-0.15	80-250	0.03-0.18	80-250	0.03-0.18
			CN6	100-300	0.03-0.20	80-250	0.03-0.18	70-200	0.03-0.15				
EN-KM CERMET		CT7	HCT7	100-350	0.03-0.25	80-300	0.03-0.20	70-250	0.03-0.18	80-250	0.03-0.20	80-250	0.03-0.20
			CN6	100-300	0.03-0.25	80-250	0.03-0.20	70-200	0.03-0.18				

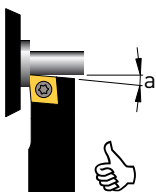


N Alliages d'aluminium et non ferreux Aluminium- und Nichteisenlegierungen Aluminium and non-ferrous alloys								S Titane et superalliages Titan und Superlegierungen Titanium and superalloys					
Aluminium		Al-Si		Cuivre Kupfer Copper		Laiton & bronze Messing & Bronze Brass & bronze		Ti grade 1 - 3		Ti grade 4 - 6		Superalliages Superlegierungen Superalloys	
VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)
		120-1500	0.03-0.20	80-300	0.03-0.15	100-400	0.03-0.18			30-70	0.03-0.15	40-80	0.03-0.12
						100-400	0.03-0.18			30-70	0.03-0.15	40-80	0.03-0.12
		120-1500	0.04-0.20	80-300	0.04-0.15	100-400	0.04-0.18			30-70	0.04-0.15	40-80	0.04-0.12
										30-70	0.06-0.20	40-80	0.06-0.20

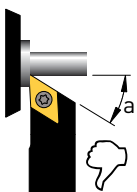
Conseils d'utilisation

Anwendungsempfehlungen

Application recommendations



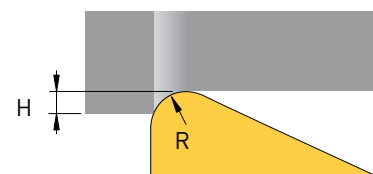
- pour un meilleur état de surface et une meilleure stabilité d'usinage, choisir une géométrie d'outil permettant un angle "a" le plus petit possible



- für bessere Oberflächegüte und Bearbeitungsstabilität, muss die Werkzeuggeometrie mit kleinstmöglichem Winkel "a" ausgewählt werden

- for a better surface finish and better machining stability, choose a tool geometry with angle "a" as small as possible

rapport hauteur de passe / rayon d'outil
 Verhältnis zwischen Spantiefe und Werkzeugradius
 machining depth / tool radius ratio



$$H \min = 0.7 \times R$$

$$R \max = 1.4 \times H$$

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