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

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

> 7.02

Géométries de coupe
Spanformgeometrien
Cutting geometries



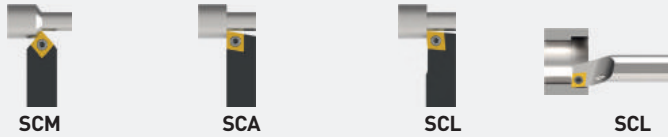
> 7.05

Nuances
Sorten
Grades

PVD	CVD	CERMET
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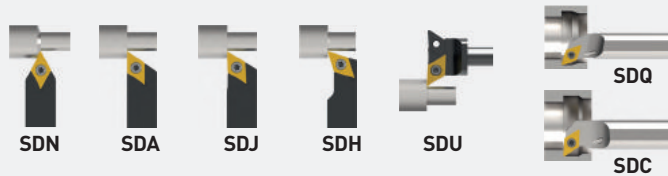
> 7.11

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



> 7.13

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



> 7.27

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



> 7.45

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

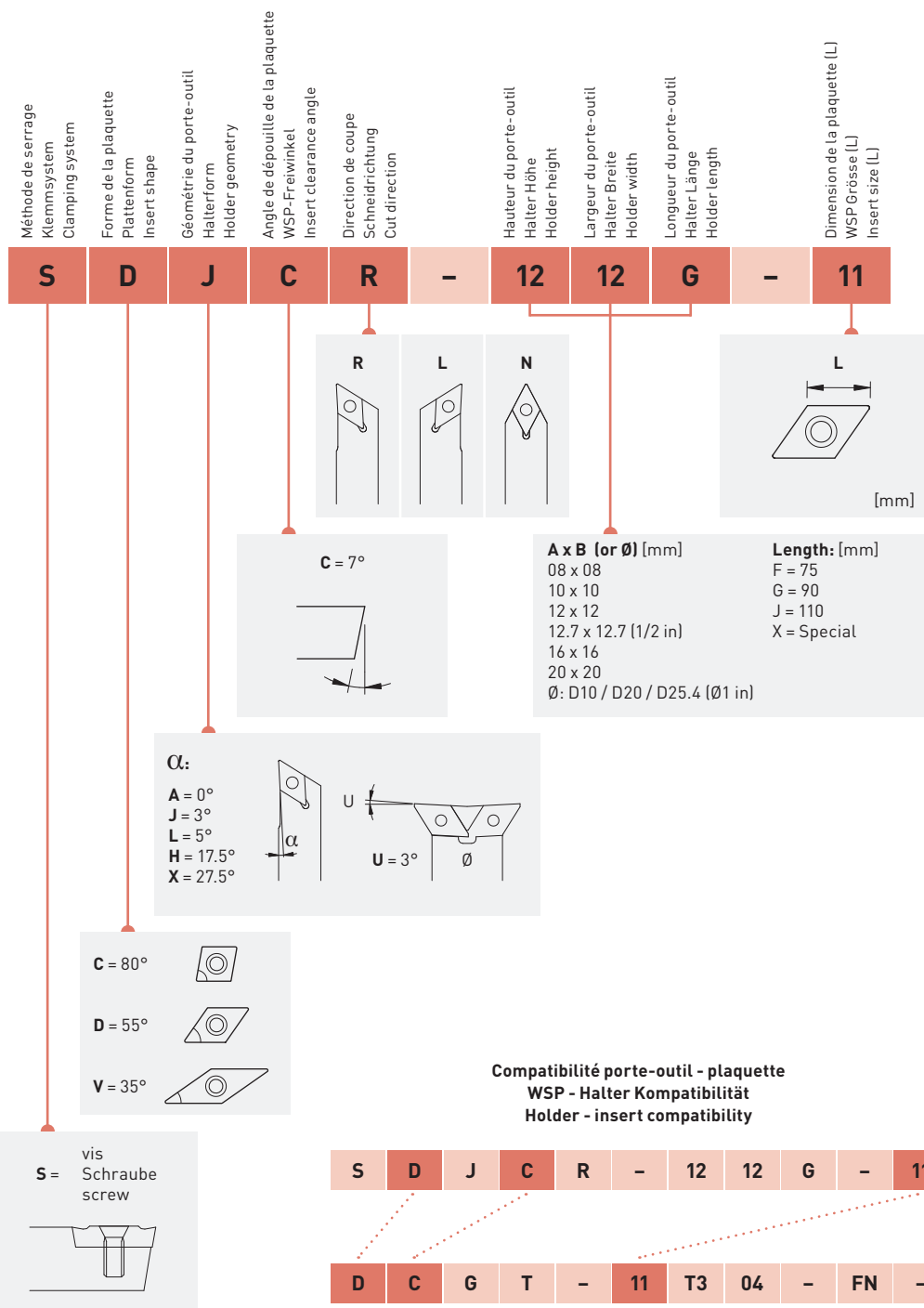


> 7.61

Paramètres de coupe
Schnittwerte
Machining data

P	M	N	S
VC (m/min)	F (mm/U)		

> 7.62



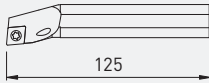
Codification des porte-outils ISO-Line

ISO-Line Bezeichnungssystem für Halter

ISO-Line designation system for holders

Méthode de serrage Klemmsystem Clamping system	Largeur du porte-outil Halter Breite Holder width	Longueur du porte-outil Halter Länge Holder length		Méthode de serrage Klemmsystem Clamping system	Forme de la plaque Plattenform Insert shape	Géométrie du porte-outil Halterform Holder geometry	Angle de dépouille de la plaque WSP-Freiwinkel Insert clearance angle	Direction de coupe Schneidrichtung Cut direction		Dimension de la plaque (L) WSP Grösse (L) Insert size (L)
A	12	K	-	S	C	L	C	R	-	06

Longueur
Länge
Length
F = 80
H = 100
J = 110
K = 125
M = 150
Q = 180



Ø queue
Schaft Ø
Shank Ø



A = acier avec lubrification
Stahl mit Kühlung
Steel with coolant

E = carbure avec lubrification
Hartmetall mit Kühlung
Carbide with coolant

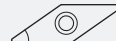
C = 80°



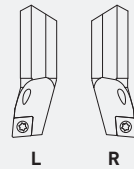
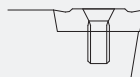
D = 55°



V = 35°



vis
S = Schraube
screw



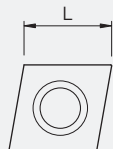
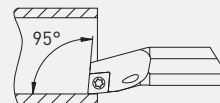
C = 7°



L = 95°

Q = 107.5°

U = 93°



Forme de la plaque Plattenform Insert shape	Angle de dépouille de la plaque WSP-Freiwinkel Insert clearance angle	Classe de tolérance Toleranz Klasse Tolerance class	Brise-copeau Spanbrecher Chip breaker		Dimension de la plaque (L) WSP Grösse (L) Insert size (L)	Épaisseur de la plaque (E) WSP Dicke (E) Insert thickness (E)	Rayon de pointe de la plaque 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									
T W			R: 003 = 0.03 mm 005 = 0.05 mm 008 = 0.08 mm 01 = 0.1 mm 015 = 0.15 mm 02 = 0.2 mm 04 = 0.4 mm 08 = 0.8 mm			cf.: Géométrie de coupe Spanformgeometrie Cutting geometry														
G = ±0.025 mm M = ±0.05 mm			02 = 2.38 mm 03 = 3.18 mm T3 = 3.97 mm 04 = 4.76 mm			FN EN ENP FL / FR ELP / ERP														
C = 7°			L [mm]			<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																				
C = 80° D = 55° V = 35°																				

Géométries de coupe
Spanformgeometrien
Cutting geometries

G
tolerance class

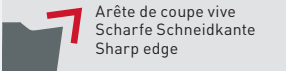
Plaquettes en métal dur rectifiées
VHM geschliffene WSP
Carbide ground inserts

Finishing

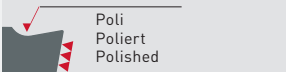
FN-X8



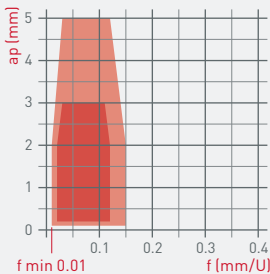

8°



Arête de coupe vive
Scharfe Schneidkante
Sharp edge



Poli
Poliert
Polished



ap (mm)

f (mm/U)

f min 0.01

P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★

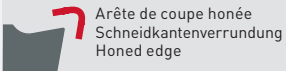
CCGT	DCGT	VCGT
		
p. 7.19	p. 7.37	p. 7.54

Semi-finishing

ENP-X8



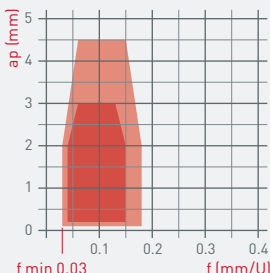

8°



Arête de coupe honée
Schneidkantenverrundung
Honed edge



Poli
Poliert
Polished



ap (mm)

f (mm/U)

f min 0.03

P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★

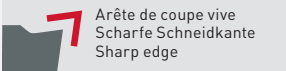
CCGT	DCGT	VCGT
		
p. 7.19	p. 7.37	p. 7.54

Finishing

FN-X17



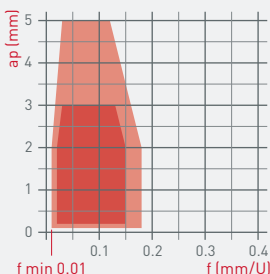

17°



Arête de coupe vive
Scharfe Schneidkante
Sharp edge



Poli
Poliert
Polished



ap (mm)

f (mm/U)

f min 0.01

P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★

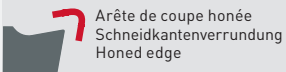
CCGT	DCGT	VCGT
		
p. 7.20	p. 7.38	p. 7.55

Semi-finishing

ENP-X17



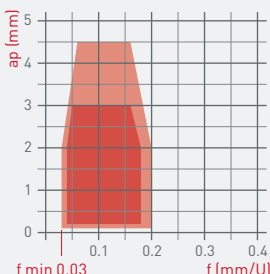

17°



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. 7.20	p. 7.38	p. 7.55

Géométries de coupe
Spanformgeometrien
Cutting geometries

G
tolerance class

Plaquettes en métal dur rectifiées
VHM geschliffene WSP
Carbide ground inserts

Finishing

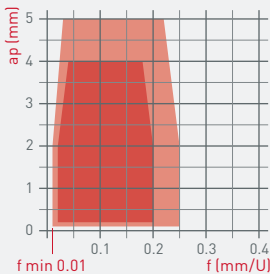
FN-X25



25°

Arête de coupe vive
Scharfe Schneidkante
Sharp edge

Poli
Poliert
Polished



ap (mm)

f min 0.01 f (mm/U)

P	
M	★★★★
N	★★★★★
S	★★★★★

CCGT DCGT VCGT

p. 7.21 p. 7.39 p. 7.56

Semi-finishing

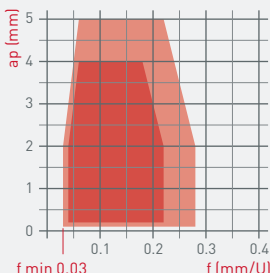
ENP-X25



25°

Arête de coupe honée
Schneidkantenverrundung
Honed edge

Poli
Poliert
Polished



ap (mm)

f min 0.03 f (mm/U)

P	
M	★★★★
N	★★★★★
S	★★★★★

CCGT DCGT VCGT

p. 7.21 p. 7.39 p. 7.56

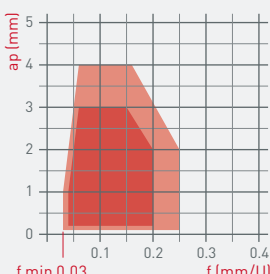
Semi-finishing

ENP-X20



20°

Arête de coupe honée
Schneidkantenverrundung
Honed edge



ap (mm)

f min 0.03 f (mm/U)

P	
M	★★★★★
N	★★★★
S	★★★★★

CCGT DCGT VCGT

p. 7.22 p. 7.40 p. 7.57

Géométries de coupe

Spanformgeometrien

Cutting geometries

M

tolerance class

Plaquettes en métal dur

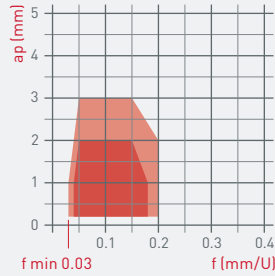
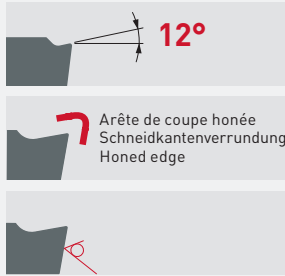
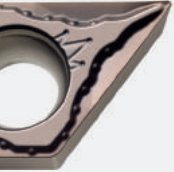
VHM-Wendeplatten

Carbide inserts

Semi-finishing

Finishing

EN-XF3



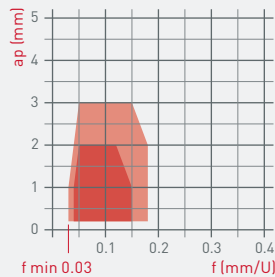
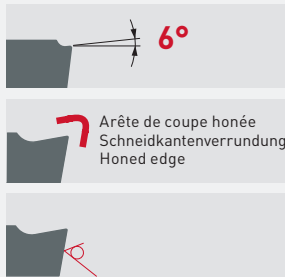
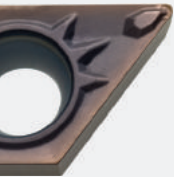
P	★★★★★
M	★★★★★
N	★★★
S	★★★

CCMT	DCMT	VCMT
p. 7.23	p. 7.41	p. 7.58

Semi-finishing

Finishing

EN-XF2

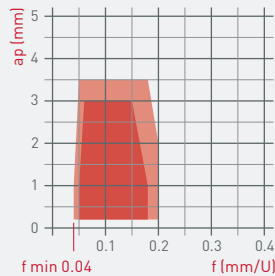
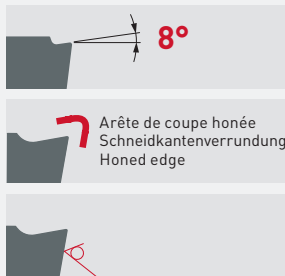
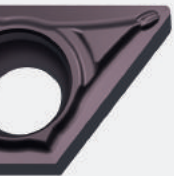


P	★★★★★
M	★★★
N	
S	★★★

CCMT	DCMT	VCMT
p. 7.23	p. 7.41	p. 7.58

Semi-finishing

EN-MF2



P	★★★★★
M	★★★★★
N	★★★
S	★★★

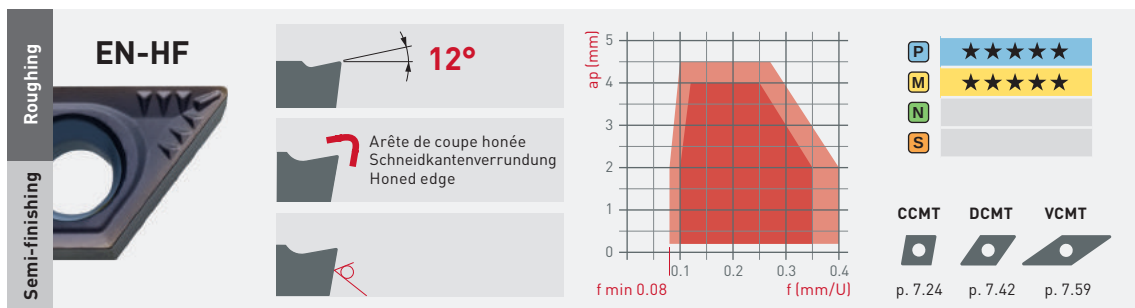
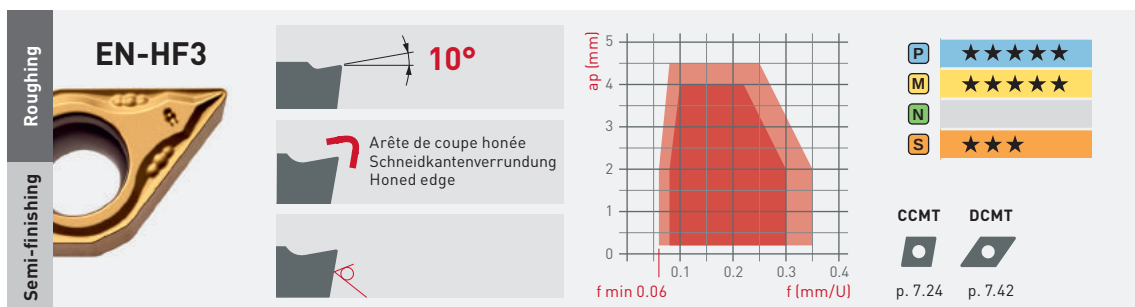
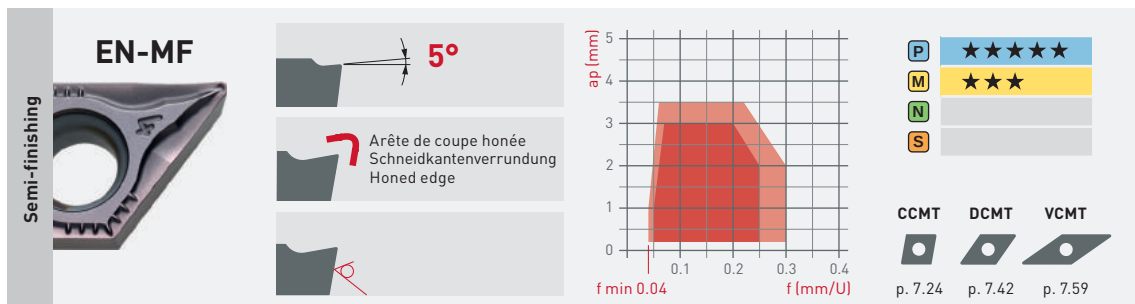
CCMT	DCMT
p. 7.23	p. 7.41

ISO-LINE

Géométries de coupe
Spanformgeometrien
Cutting geometries

M
tolerance class

Plaquettes en métal dur
VHM-Wendeplatten
Carbide inserts



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

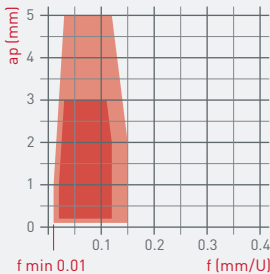
Finishing



10°

Arête de coupe vive
Scharfe Schneidkante
Sharp edge

Poli
Poliert
Polished



ap (mm)

f min 0.01

f (mm/U)

P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★

VC6T



p. 7.52

ELP/ERP-X10

Semi-finishing

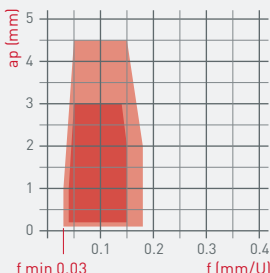
Finishing



10°

Arête de coupe honée
Schneidkantenverrundung
Honed edge

Poli
Poliert
Polished



ap (mm)

f min 0.03

f (mm/U)

P	★★★★★
M	★★★★★
N	★★★
S	★★★

VC6T



p. 7.52

FN-K18

Super-finishing

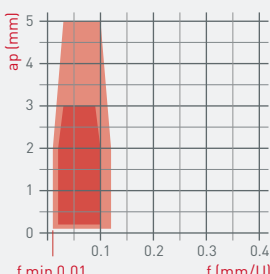
Finishing



18°

Arête de coupe vive
Scharfe Schneidkante
Sharp edge

Poli
Poliert
Polished



ap (mm)

f min 0.01

f (mm/U)

P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★

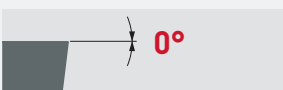
VC6T



p. 7.53

FN-0

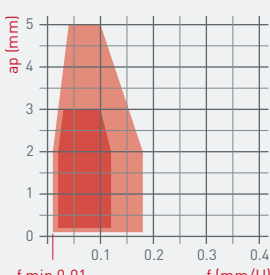
Finishing



0°

Arête de coupe vive
Scharfe Schneidkante
Sharp edge

Poli
Poliert
Polished



ap (mm)

f min 0.01

f (mm/U)

P	★★★
M	
N	★★★
S	

VC6W



p. 7.53

Finishing

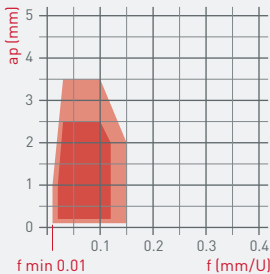
FN-X8
CERMET



8°

Arête de coupe vive
Scharfe Schneidkante
Sharp edge

Poli
Poliert
Polished



ap (mm)

f min 0.01 f (mm/U)

P	★★★★★
M	★★★
N	
S	

CCGT DCGT VCGT

p. 7.25 p. 7.43 p. 7.60

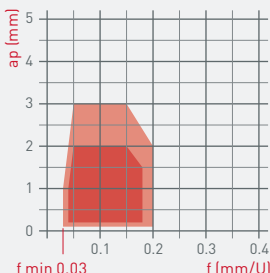
Semi-finishing

ENP-KX
CERMET



8°

Arête de coupe honée
Schneidkantenverrundung
Honed edge



ap (mm)

f min 0.03 f (mm/U)

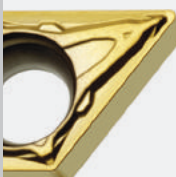
P	★★★★★
M	★★★
N	
S	

CCGT DCGT

p. 7.25 p. 7.43

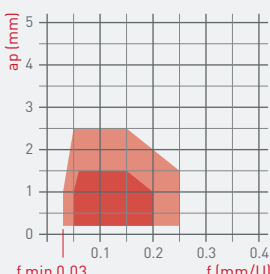
Semi-finishing

EN-KM
CERMET



8°

Arête de coupe honée
Schneidkantenverrundung
Honed edge



ap (mm)

f min 0.03 f (mm/U)

P	★★★★★
M	★★★
N	
S	

CCMT DCMT

p. 7.26 p. 7.44

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	★★★★ ★★★★ ★★★★ ★★★★	■	■		X8 R-X10 X17 X25	■■■■■□	■■■■■□	■■■■■□	PVD	perfect for titanium alloys & superalloys
HTAX	★★★★ ★★★★ ★★★★ ★★★★	■			X8 R-X10 X17 X25	■■■■■□	■■■■■□	■■■■■□	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	

Porte-outils

Halter

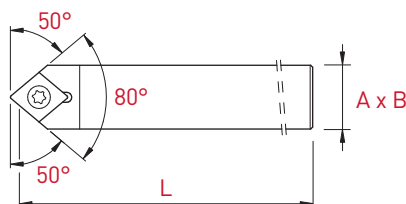
Holders

80°

SCM



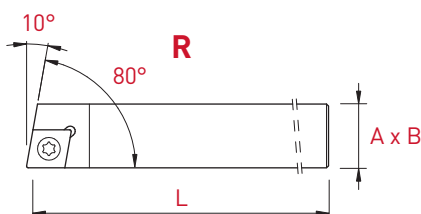
SCM



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



SCA



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

Porte-outils

Halter

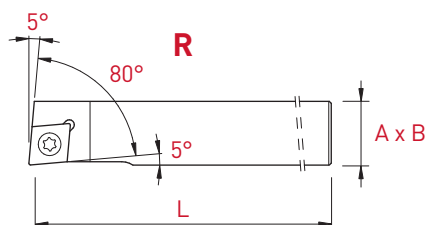
Holders

80°

SCL



SCL



L

R

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

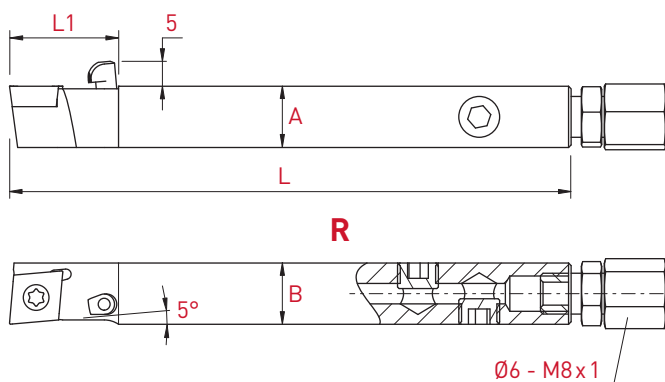
Porte-outils avec arrosage intégré
 Halter mit integrierter Kühlmittelzufuhr
 Holders with integrated coolant supply

80°

SCL-JET



SCL



L

R

Plaquettes WSP Inserts	A x B	L	L1	Art. N°	Art. N°
CC...-0602..	10 x 10	110	21	SCLCL-1010J-06-JET	SCLCR-1010J-06-JET
	12 x 12	110	21	SCLCL-1212J-06-JET	SCLCR-1212J-06-JET
	12.7 x 12.7	110	21	SCLCL-12.7J-06-JET	SCLCR-12.7J-06-JET
	16 x 16	110	21	SCLCL-1616J-06-JET	SCLCR-1616J-06-JET
CC...-09T3..	12 x 12	110	21	SCLCL-1212J-09-JET	SCLCR-1212J-09-JET
	12.7 x 12.7	110	21	SCLCL-12.7J-09-JET	SCLCR-12.7J-09-JET
	16 x 16	110	21	SCLCL-1616J-09-JET	SCLCR-1616J-09-JET
	20 x 20	110	21	SCLCL-2020J-09-JET	SCLCR-2020J-09-JET

Porte-outils intérieurs amincis

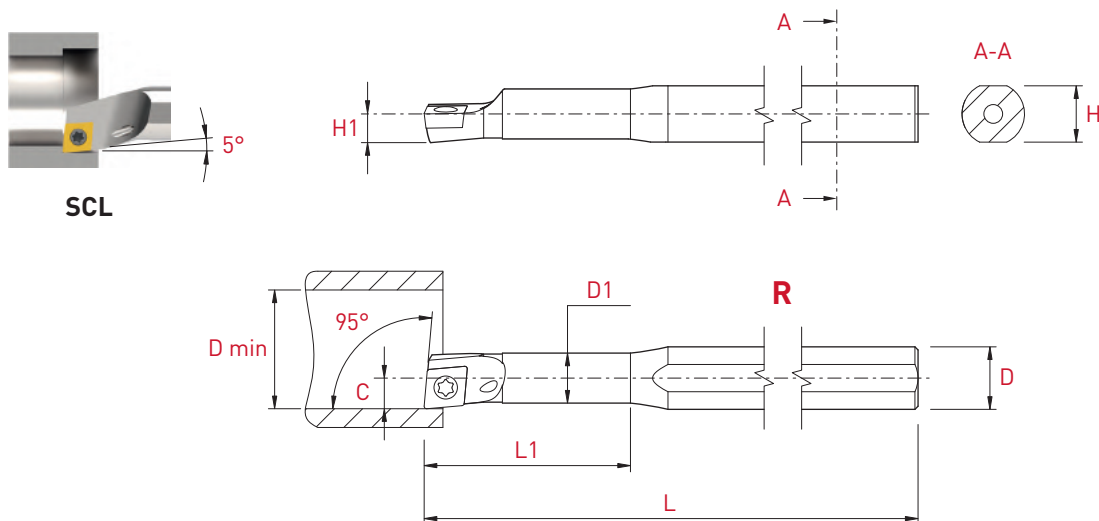
Verjüngte Innenhalter

Thinned internal holders

80°

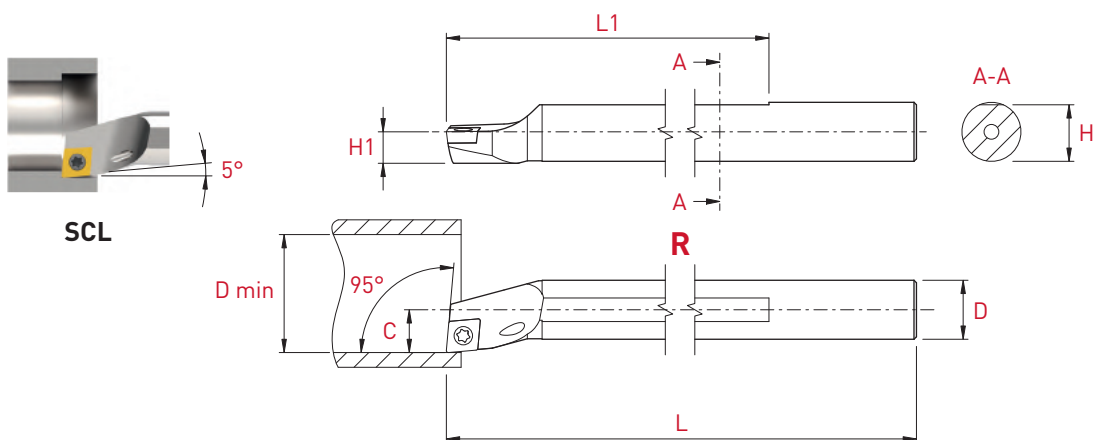
A-SCLCR/L

new



Plaquettes WSP Inserts	Acier / Stahl / Steel								L	R
	D	D min	D1	C	H1	L	L1	H		
CC...-0602..	8	8	6	4	4	100	25	7	A0608H-SCLCL-06	A0608H-SCLCR-06
	10	12	8	6	5	110	32	9	A0810J-SCLCL-06	A0810J-SCLCR-06
	12	14	10	7	6	125	38	11	A1012K-SCLCL-06	A1012K-SCLCR-06

Pour barres d'alésage For boring bar Für Borstange	Pièces de rechange Ersatzteile Spare parts	
	Art. N°	Art. N°
A0608H_ / A0810J_	V-M2.5X4.8-T8	C-T8
A1012K_	V-M2.5X5.8-T8	



Acier / Stahl / Steel								L	R
Plaquettes WSP Inserts	D	D min	C	H1	L	L1	H	Art. N°	Art. N°
CC...-0602	8	11	5	4	80	74	7.5	A08F-SCLCL-06	A08F-SCLCR-06
	10	13	7	5	100	85	9.5	A10H-SCLCL-06	A10H-SCLCR-06
	12	16	9	6	125	95	11.5	A12K-SCLCL-06	A12K-SCLCR-06
CC...-09T3	16	20	11	8	150	117	15.5	A16M-SCLCL-09	A16M-SCLCR-09

Carbure de tungstène / Hartmetall / Solid carbide								Art. N°	Art. N°
	D	D min	C	H1	L	L1	H	Art. N°	Art. N°
CC...-0602	8	9	5	4	125	-	7.5	E08K-SCLCL 06	E08K-SCLCR 06
	10	11	6	5	125	-	9.5	E10K-SCLCL-06	E10K-SCLCR 06
	12	13	8	6	150	-	11.5	E12M-SCLCL 06	E12M-SCLCR 06

Pour barres d'alésage For boring bar Für Borstange	Pièces de rechange Ersatzteile Spare parts	
	Art. N°	Art. N°
A08F_ / E08K_	V-M2.5X4.8-T8	C-T8
A10H_ / E10H_	V-M2.5X5.8-T8	C-T8
A16M_	V-M3.5X7.2-T15-ISO	C-T15

Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

80°

CCGT-X8

CCGT
FN-X8

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiN	K10	K20
	0.05	■	■	■	■	■
	0.1	■	■	■	■	■
	0.2	■	■	■	■	■
	0.4	■	■	■	■	■
	0.05	■	■	■	■	■
	0.1	■	■	■	■	■
	0.2	■	■	■	■	■
	0.4	■	■	■	■	■

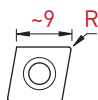
CCGT
ENP-X8

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiAlN	TiN	K20
	0.05	■	■	■
	0.1	■	■	■
	0.2	■	■	■
	0.4	■	■	■
	0.05	■	■	■
	0.1	■	■	■
	0.2	■	■	■
	0.4	■	■	■



CCGT FN-X17

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiN	K10	K20
		P M N S	P M N S	P M N	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐
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
		P M N S	P M N	☐ ☐ ☐ ☐
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-X25

CCGT
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	☐ ☐ ☒ ☐	☐ ☐ ☒ ☐
0.05	CCGT-0602005-FN-X25	■	■	■	■	■
0.1	CCGT-060201-FN-X25	■	■	■	■	■
0.2	CCGT-060202-FN-X25	■	■	■	■	■
0.4	CCGT-060204-FN-X25	■	■	■	■	■
0.05	CCGT-09T3005-FN-X25	■	■	■	■	■
0.1	CCGT-09T301-FN-X25	■	■	■	■	■
0.2	CCGT-09T302-FN-X25	■	■	■	■	■
0.4	CCGT-09T304-FN-X25	■	■	■	■	■
0.8	CCGT-09T308-FN-X25	■	■	■	■	■

CCGT
ENP-X25

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiAlN	TiN	K20
		P M N S	P M N	☐ ☐ ☒ ☐
0.05	CCGT-0602005-ENP-X25	■	■	■
0.1	CCGT-060201-ENP-X25	■	■	■
0.2	CCGT-060202-ENP-X25	■	■	■
0.4	CCGT-060204-ENP-X25	■	■	■
0.05	CCGT-09T3005-ENP-X25	■	■	■
0.1	CCGT-09T301-ENP-X25	■	■	■
0.2	CCGT-09T302-ENP-X25	■	■	■
0.4	CCGT-09T304-ENP-X25	■	■	■
0.8	CCGT-09T308-ENP-X25	■	■	■



Plaquettes en métal dur
VHM-Wendeplatten
Solid carbide inserts

80°

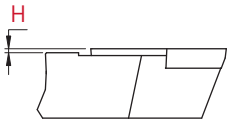
CCGT-X20



CCGT
ENP-X20

PVD	
☐	☐
☒ M	☒ M
☒ N	☒ N
☒ S	☒ S
ZTA	HTIX

R	H	Art. N°	ZTA	HTIX
0.1	0.2	CCGT-060201-ENP-X20	■	
0.2	0.2	CCGT-060202-ENP-X20	■	■
0.4	0.2	CCGT-060204-ENP-X20	■	■
0.1	0.25	CCGT-09T301-ENP-X20	■	
0.2	0.25	CCGT-09T302-ENP-X20	■	■
0.4	0.25	CCGT-09T304-ENP-X20	■	■
0.8	0.25	CCGT-09T308-ENP-X20	■	■



Plaquettes en métal dur

VHM-Wendeplatten

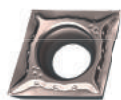
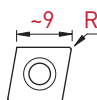
Solid carbide inserts

80°

CCMT-XF3

CCMT-XF2

CCMT-MF2

CCMT
EN-XF3

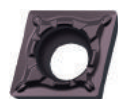
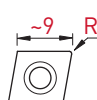
R	Art. N°	PVD	
		TAC	HTAC
0.2	CCMT-060202-EN-XF3	■	■
0.4	CCMT-060204-EN-XF3	■	■
0.2	CCMT-09T302-EN-XF3	■	■
0.4	CCMT-09T304-EN-XF3	■	■

PVD	
P	P
M	M
N	N
S	S

CCMT
EN-XF2

R	Art. N°	PVD		CVD
		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	■	■	■

PVD		CVD
P	P	P
M	M	M
N	N	
S	S	

CCMT
EN-MF2

R	Art. N°	PVD		CVD	
		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	■	■	■	■

PVD		CVD	
P	P	P	P
M	M	M	M
N	N		
S	S		

Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

80°

CCMT-MF

CCMT-HF3

CCMT-HF



**CCMT
EN-MF**

R	Art. N°	PVD	CVD
		☒ P ☒ M ☐ ☐ Tmax	☒ P ☒ M ☐ ☐ 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	■	■



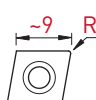
**CCMT
EN-HF3**

R	Art. N°	PVD		CVD
		☒ P ☒ M ☐ ☐ TiX	☒ P ☒ M ☐ ☐ HTiX	☒ P ☒ M ☐ ☒ S 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		
		☒ P ☒ M ☐ ☐ Tmax	☒ P ☒ M ☐ ☐ TAC	☒ P ☒ M ☐ ☐ Ti4	☒ P ☒ M ☐ ☐ Ti5	☒ P ☒ M ☐ ☐ 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	■	■	■	■	■



Plaquettes CERMET
CERMET-Wendeplatten
CERMET inserts

80°

CCGT-X8
CCGT-KX



CCGT
FN-X8

CERMET			
PVD		non revêtu unbeschichtet uncoated	
☒ P	☒ M	☒ P	☐
☐	☐	☐	☐
CTA		CN6	
R		Art. N°	
0.05	CCGT-0602005-FN-X8	☒	☒
0.1	CCGT-060201-FN-X8	☒	☒
0.2	CCGT-060202-FN-X8	☒	☒
0.05	CCGT-09T3005-FN-X8	☒	☒
0.1	CCGT-09T301-FN-X8	☒	☒
0.2	CCGT-09T302-FN-X8	☒	☒
0.4	CCGT-09T304-FN-X8	☒	☒



CCGT
ENP-KX

CERMET			
PVD		non revêtu unbeschichtet uncoated	
☒ P	☒ M	☒ P	☒
☐	☐	☐	☐
CT7		CN6	
R		Art. N°	
0.1	CCGT-060201-ENP-KX	☒	☒
0.2	CCGT-060202-ENP-KX	☒	☒
0.4	CCGT-060204-ENP-KX	☒	☒
0.1	CCGT-09T301-ENP-KX	☒	☒
0.2	CCGT-09T302-ENP-KX	☒	☒
0.4	CCGT-09T304-ENP-KX	☒	☒




**CCMT
EN-KM**

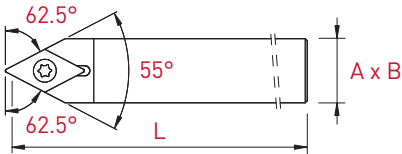
CERMET			
PVD		non revêtu unbeschichtet uncoated	
☒ P ☒ M ☐ ☐	☒ P ☒ M ☐ ☐	☒ P ☐ ☐ ☐	
CT7	HCT7	CN6	

R	Art. N°			
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	■	■	■





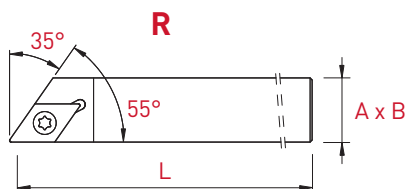
SDN



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



SDA



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

Porte-outils

Halter

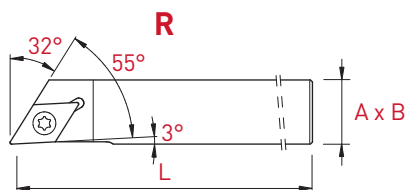
Holders

55°

SDJ



SDJ



L

R

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

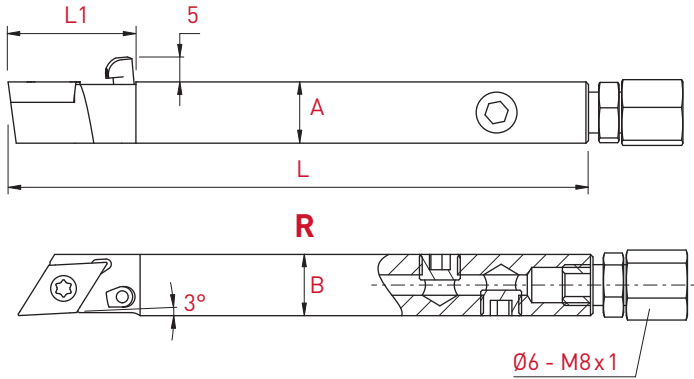
Porte-outils avec arrosage intégré
Halter mit integrierter Kühlmittelzufuhr
Holders with integrated coolant supply

55°

SDJ-JET



SDJ



L

R

Plaquettes WSP Inserts	A x B	L	L1	Art. N°	Art. N°
DC...-0702..	10 x 10	110	20	SDJCL-1010J-07-JET	SDJCR-1010J-07-JET
	12 x 12	110	20	SDJCL-1212J-07-JET	SDJCR-1212J-07-JET
	12.7 x 12.7	110	20	SDJCL-12.7J-07-JET	SDJCR-12.7J-07-JET
	16 x 16	110	20	SDJCL-1616J-07-JET	SDJCR-1616J-07-JET
	20 x 20	110	20	SDJCL-2020J-07-JET	SDJCR-2020J-07-JET
DC...-11T3..	12 x 12	110	23	SDJCL-1212J-11-JET	SDJCR-1212J-11-JET
	12.7 x 12.7	110	23	SDJCL-12.7J-11-JET	SDJCR-12.7J-11-JET
	16 x 16	110	23	SDJCL-1616J-11-JET	SDJCR-1616J-11-JET
	20 x 20	110	23	SDJCL-2020J-11-JET	SDJCR-2020J-11-JET

Porte-outils

Halter

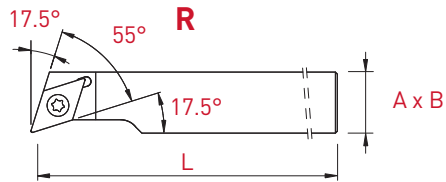
Holders

55°

SDH



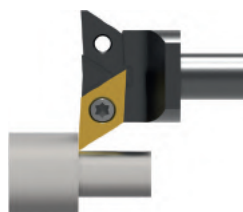
SDH



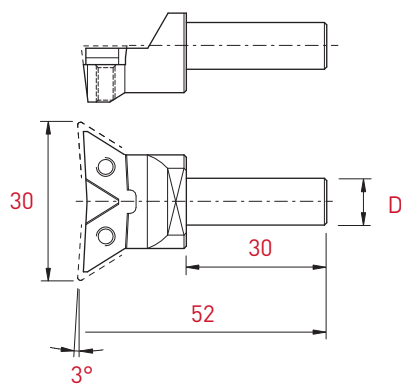
L

R

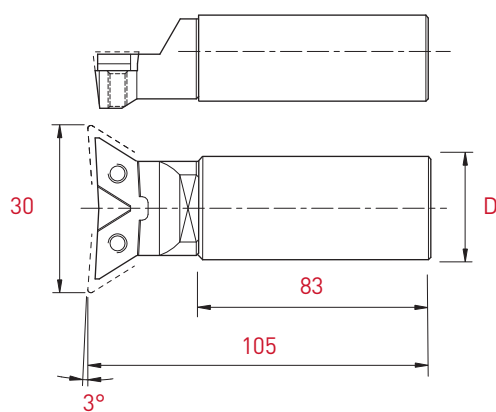
Plaquettes WSP Inserts	A x B	L	Art. N°	Art. N°
DC...-0702..	10 x 10	115	SDHCL-1010X-07	SDHCR-1010X-07
	12 x 12	130	SDHCL-1212X-07	SDHCR-1212X-07
	12 x 12	90	SDHCL-1212G-07	SDHCR-1212G-07
	12.7 x 12.7	130	SDHCL-12.7X-07	SDHCR-12.7X-07
	16 x 16	130	SDHCL-1616X-07	SDHCR-1616X-07
	16 x 16	75	SDHCL-1616F-07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



SDU



Plaquettes WSP Inserts	D	Art. N°
DC...-11T3..	10	SDUC-D10X-11



Plaquettes WSP Inserts	D	Art. N°
DC...-11T3..	20	SDUC-D20X-11
	25.4	SDUC-D25.4X-11

Porte-outils intérieurs amincis

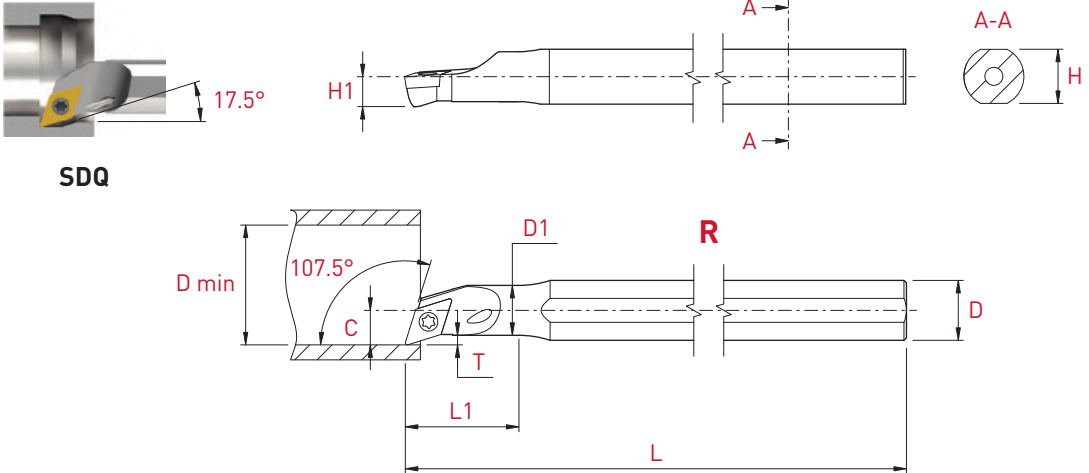
Verjüngte Innenhalter

Thinned internal holders

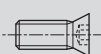
55°

A-SDQCR/L

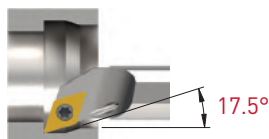
new



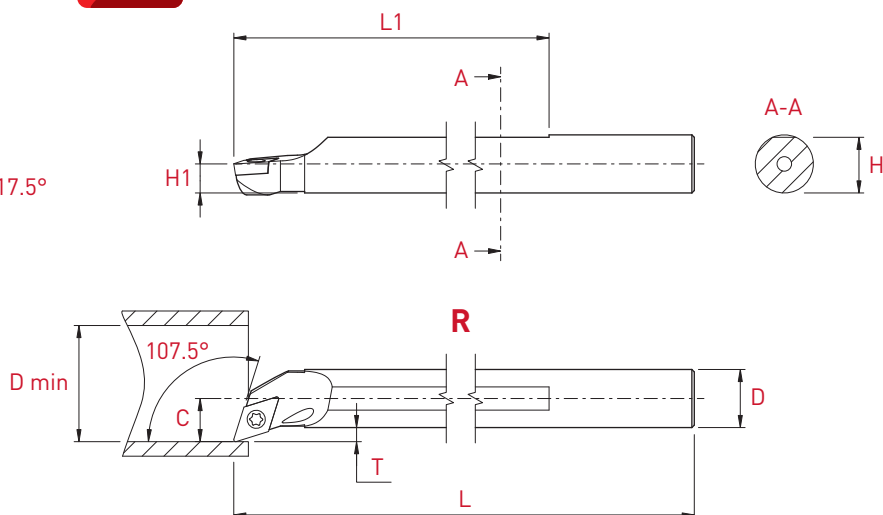
Acier / Stahl / Steel										 	
Plaquettes WSP Inserts	D	D min	D1	T	C	H1	L	L1	H	Art. N°	Art. N°
DC...-0702	10	12.5	8	2.4	7	5	100	22	9	A0810H-SDQCL-07	A0810H-SDQCR-07
	12	15.5	10	2.9	9	6	125	28	11	A1012K-SDQCL-07	A1012K-SDQCR-07

Pour barres d'alésage For boring bar Für Borstange	Pièces de rechange Ersatzteile Spare parts	
		
	Art. N°	Art. N°
A0810H_	V-M2.5X4.8-T8	C-T8
A1012K_	V-M2.5X5.8-T8	

new



SDQ



Acier / Stahl / Steel										
Plaquettes WSP Inserts	D	D min	T	C	H1	L	L1	H	Art. N°	Art. N°
DC...-0702	10	14	2.4	7	4.5	100	85	9	A10H-SDQCL-07	A10H-SDQCR-07
	12	17	2.9	9	6	125	95	11.5	A12K-SDQCL-07	A12K-SDQCR-07
	16	21	2.9	11	8	150	117	15.5	A16M-SDQCL-07	A16M-SDQCR-07

Carbure de tungstène / Hartmetall / Solid carbide										
	D	D min	T	C	H1	L	L1	H	Art. N°	Art. N°
DC...-0702	10	13	2.4	7.5	5	125	-	9.5	E10K-SDQCL-07	E10K-SDQCR-07
	12	17	2.9	9	6	150	-	11.5	E12M-SDQCL-07	E12M-SDQCR-07

Pièces de rechange
Ersatzteile
Spare parts



Art. N°

V-M2.5X5.8-T8



Art. N°

C-T8

Porte-outils intérieurs amincis

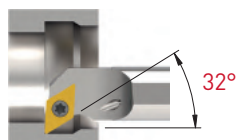
Verjüngte Innenhalter

Thinned internal holders

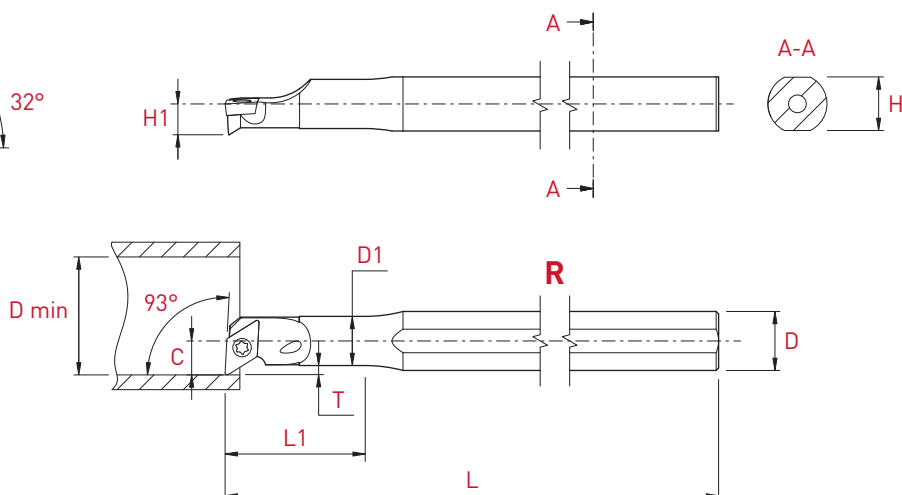
55°

A-SDUCR/L

new



SDU



Acier / Stahl / Steel

L

R

Plaquettes WSP Inserts									Art. N°	Art. N°
	D	D min	D1	T	C	H1	L	H		
DC...-0702	10	12.5	7	1.9	5	100	22	9	A0810H-SDUCL-07	A0810H-SDUCR-07
	12	15.5	9	2.9	6	125	28	11	A1012K-SDUCL-07	A1012K-SDUCR-07

Pour barres d'alésage
For boring bar
Für Borstange

Pièces de rechange
Ersatzteile
Spare parts



Art. N°

Art. N°

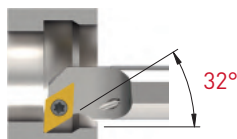
A0810H_

V-M2.5X4.8-T8

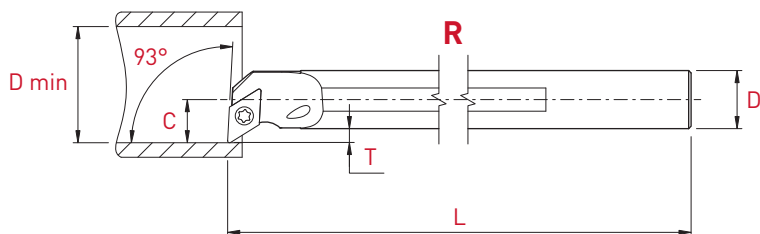
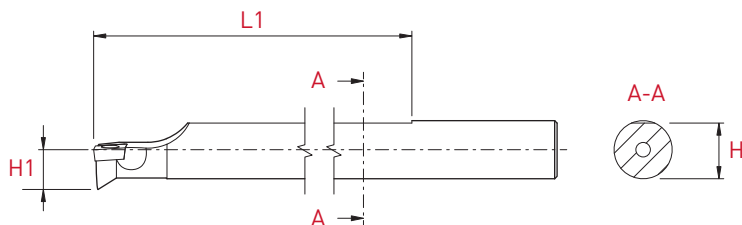
C-T8

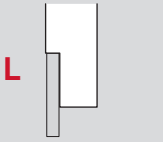
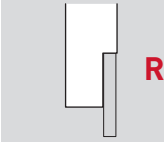
A1012K_

V-M2.5X5.8-T8

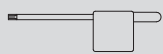


SDU



Acier / Stahl / Steel										
Plaquettes WSP Inserts	D	D min	T	C	H1	L	L1	H	Art. N°	Art. N°
DC...-0702	10	14	1.9	7	5	100	85	9.5	A10H-SDUCL-07	A10H-SDUCR-07
	12	17	2.9	9	6	125	95	11.5	A12K-SDUCL-07	A12K-SDUCR-07
	16	21	2.9	11	8	150	117	15.5	A16M-SDUCL-07	A16M-SDUCR-07

Carbure de tungstène / Hartmetall / Solid carbide										
	D	D min	T	C	H1	L	L1	H	Art. N°	Art. N°
DC...-0702	10	14	1.9	7	5	125	-	9.5	E10K-SDUCL-07	E10K-SDUCR-07
	12	17	2.9	9	6	150	-	11.5	E12M-SDUCL-07	E12M-SDUCR-07

Pièces de rechange Ersatzteile Spare parts	
	
Art. N°	Art. N°
V-M2.5X5.8-T8	C-T8

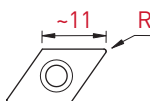
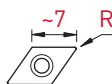
Plaquettes en métal dur

VHM-Wendeplatten

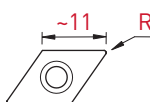
Solid carbide inserts

55°

DCGT-X8

DCGT
FN-X8

R	Art. N°	PVD					non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiAlX	HTAX	TiN	K10	K20
0.05	DCGT-0702005-FN-X8	■	■	■	■	■	■	■
0.08	DCGT-0702008-FN-X8	■	■	■	■	■	■	■
0.1	DCGT-070201-FN-X8	■	■	■	■	■	■	■
0.15	DCGT-0702015-FN-X8	■	■	■	■	■	■	■
0.2	DCGT-070202-FN-X8	■	■	■	■	■	■	■
0.4	DCGT-070204-FN-X8	■	■	■	■	■	■	■
0.05	DCGT-11T3005-FN-X8	■	■	■	■	■	■	■
0.08	DCGT-11T3008-FN-X8	■	■	■	■	■	■	■
0.1	DCGT-11T301-FN-X8	■	■	■	■	■	■	■
0.15	DCGT-11T3015-FN-X8	■	■	■	■	■	■	■
0.2	DCGT-11T302-FN-X8	■	■	■	■	■	■	■
0.4	DCGT-11T304-FN-X8	■	■	■	■	■	■	■

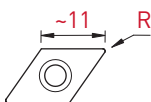
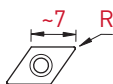
DCGT
ENP-X8

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiAlN	TiN	K20
0.05	DCGT-0702005-ENP-X8	■	■	■
0.08	DCGT-0702008-ENP-X8	■	■	■
0.1	DCGT-070201-ENP-X8	■	■	■
0.15	DCGT-0702015-ENP-X8	■	■	■
0.2	DCGT-070202-ENP-X8	■	■	■
0.4	DCGT-070204-ENP-X8	■	■	■
0.05	DCGT-11T3005-ENP-X8	■	■	■
0.08	DCGT-11T3008-ENP-X8	■	■	■
0.1	DCGT-11T301-ENP-X8	■	■	■
0.15	DCGT-11T3015-ENP-X8	■	■	■
0.2	DCGT-11T302-ENP-X8	■	■	■
0.4	DCGT-11T304-ENP-X8	■	■	■



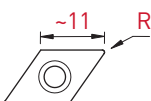
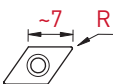
**DCGT
FN-X17**

R	Art. N°	PVD					non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiAlX	HTAX	TiN	K10	K20
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	
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	■	■	■



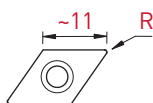
Plaquettes en métal dur

VHM-Wendeplatten

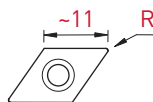
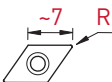
Solid carbide inserts

55°

DCGT-X25

DCGT
FN-X25

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiN	K10	K20
0.05	DCGT-0702005-FN-X25	☒	☒	☒	☒	☒
0.1	DCGT-070201-FN-X25	☒	☒	☒	☒	☒
0.2	DCGT-070202-FN-X25	☒	☒	☒	☒	☒
0.4	DCGT-070204-FN-X25	☒	☒	☒	☒	☒
0.05	DCGT-11T3005-FN-X25	☒	☒	☒	☒	☒
0.1	DCGT-11T301-FN-X25	☒	☒	☒	☒	☒
0.2	DCGT-11T302-FN-X25	☒	☒	☒	☒	☒
0.4	DCGT-11T304-FN-X25	☒	☒	☒	☒	☒
0.8	DCGT-11T308-FN-X25	☒	☒	☒	☒	☒

DCGT
ENP-X25

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiAlN	TiAlX	TiN	K20	
0.05	DCGT-0702005-ENP-X25	☒	☒	☒	☒	☒
0.1	DCGT-070201-ENP-X25	☒	☒	☒	☒	☒
0.2	DCGT-070202-ENP-X25	☒	☒	☒	☒	☒
0.4	DCGT-070204-ENP-X25	☒	☒	☒	☒	☒
0.05	DCGT-11T3005-ENP-X25	☒	☒	☒	☒	☒
0.1	DCGT-11T301-ENP-X25	☒	☒	☒	☒	☒
0.2	DCGT-11T302-ENP-X25	☒	☒	☒	☒	☒
0.4	DCGT-11T304-ENP-X25	☒	☒	☒	☒	☒
0.8	DCGT-11T308-ENP-X25	☒	☒	☒	☒	☒

Plaquettes en métal dur
VHM-Wendeplatten
Solid carbide inserts

55°

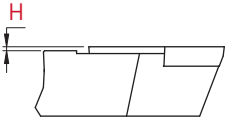
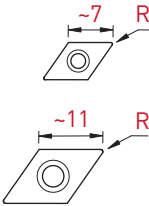
DCGT-X20



DCCT
ENP-X20

PVD	
☐	☐
☒	☒
☒	☒
☒	☒
ZTA	HTIX

R	H	Art. N°
0.1	0.2	DCGT-070201-ENP-X20
0.2	0.2	DCGT-070202-ENP-X20
0.4	0.2	DCGT-070204-ENP-X20
0.1	0.25	DCGT-11T301-ENP-X20
0.2	0.25	DCGT-11T302-ENP-X20
0.4	0.25	DCGT-11T304-ENP-X20
0.8	0.25	DCGT-11T308-ENP-X20



Plaquettes en métal dur

VHM-Wendeplatten

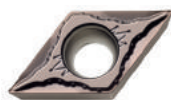
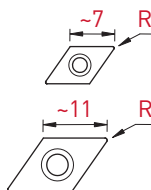
Solid carbide inserts

55°

DCMT-XF3

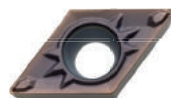
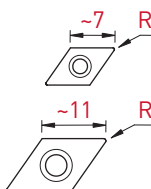
DCMT-XF2

DCMT-MF2

DCMT
EN-XF3

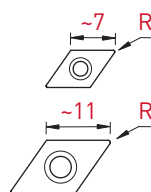
R	Art. N°	PVD	
		TAC	HTAC
0.2	DCMT-070202-EN-XF3	■	■
0.4	DCMT-070204-EN-XF3	■	■
0.2	DCMT-11T302-EN-XF3	■	■
0.4	DCMT-11T304-EN-XF3	■	■

PVD	
P	P
M	M
N	N
S	S
TAC	HTAC

DCMT
EN-XF2

R	Art. N°	PVD		CVD
		TAC	HTAC	HTi5
0.2	DCMT-070202-EN-XF2	■	■	■
0.4	DCMT-070204-EN-XF2	■	■	■
0.2	DCMT-11T302-EN-XF2	■	■	■
0.4	DCMT-11T304-EN-XF2	■	■	■

PVD		CVD
P	P	P
M	M	M
N	N	
S	S	
TAC	HTAC	HTi5

DCMT
EN-MF2

R	Art. N°	PVD		CVD	
		TAC	HTAC	Ti5	HTi5
0.2	DCMT-070202-EN-MF2	■	■	■	■
0.4	DCMT-070204-EN-MF2	■	■	■	■
0.2	DCMT-11T302-EN-MF2	■	■	■	■
0.4	DCMT-11T304-EN-MF2	■	■	■	■
0.8	DCMT-11T308-EN-MF2	■	■	■	■

PVD		CVD	
P	P	P	P
M	M	M	M
N	N		
S	S		
TAC	HTAC	Ti5	HTi5

Plaquettes en métal dur

VHM-Wendeplatten

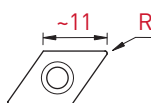
Solid carbide inserts

55°

DCMT-MF

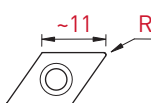
DCMT-HF3

DCMT-HF



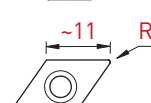
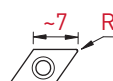
**DCMT
EN-MF**

R	Art. N°	PVD		CVD	
		☐ P ☐ M ☐	☐ P ☐ M ☐	☐ P ☐ M ☐	☐ P ☐ 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	
		☐ P ☐ M ☐	☐ P ☐ M ☐	☐ P ☐ M ☐	☐ P ☐ 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		
		☐ P ☐ M ☐	☐ P ☐ M ☐	☐ P ☐ M ☐	☐ P ☐ M ☐	☐ P ☐ 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	■	■	■	■	■

Plaquettes CERMET
CERMET-Wendeplatten
CERMET inserts

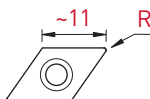
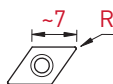
55°

DCGT-X8
DCGT-KX



DCGT
FN-X8

CERMET			
PVD		non revêtu unbeschichtet uncoated	
☒ P	☒ M	☒ P	☐
☐	☐	☐	☐
CTA		CN6	
0.05	DCGT-0702005-FN-X8	☒	☒
0.1	DCGT-070201-FN-X8	☒	☒
0.2	DCGT-070202-FN-X8	☒	☒

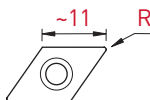
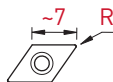


R	Art. N°		
0.05	DCGT-0702005-FN-X8	☒	☒
0.1	DCGT-070201-FN-X8	☒	☒
0.2	DCGT-070202-FN-X8	☒	☒

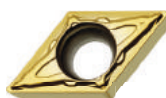


DCGT
ENP-KX

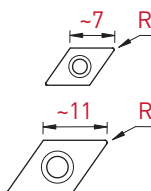
CERMET			
PVD		non revêtu unbeschichtet uncoated	
☒ P	☒ M	☒ P	☐
☐	☐	☐	☐
CT7		CN6	
0.1	DCGT-070201-ENP-KX	☒	☒
0.2	DCGT-070202-ENP-KX	☒	☒
0.4	DCGT-070204-ENP-KX	☒	☒



R	Art. N°		
0.1	DCGT-070201-ENP-KX	☒	☒
0.2	DCGT-070202-ENP-KX	☒	☒
0.4	DCGT-070204-ENP-KX	☒	☒


**DCMT
EN-KM**

CERMET			
PVD		non revêtu unbeschichtet uncoated	
☒ P	☒ P	☒ P	
☒ M	☒ M	☐	
☐	☐	☐	
☐	☐	☐	
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	☒	☒

Porte-outils

Halter

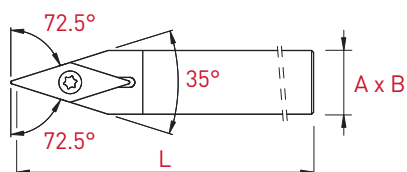
Holders

35°

SVV



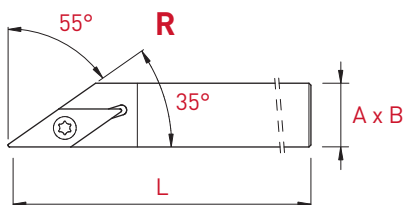
SW



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



SVA



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

Porte-outils

Halter

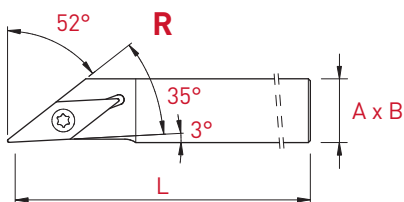
Holders

35°

SVJ



SVJ



L

R

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

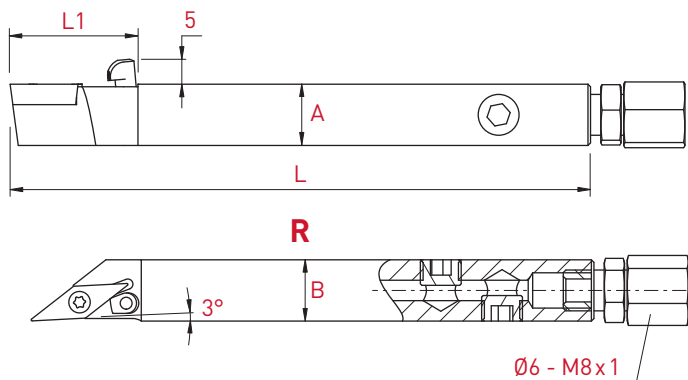
Porte-outils avec arrosage intégré
Halter mit integrierter Kühlmittelzufuhr
Holders with integrated coolant supply

35°

SVJ-JET



SVJ



L

R

Plaquettes WSP Inserts	A x B	L	L1	Art. N°	Art. N°
VC...-1103..	10 x 10	110	21	SVJCL-1010J-11-JET	SVJCR-1010J-11-JET
	12 x 12	110	21	SVJCL-1212J-11-JET	SVJCR-1212J-11-JET
	12.7 x 12.7	110	21	SVJCL-12.7J-11-JET	SVJCR-12.7J-11-JET
	16 x 16	110	21	SVJCL-1616J-11-JET	SVJCR-1616J-11-JET
	20 x 20	110	21	SVJCL-2020J-11-JET	SVJCR-2020J-11-JET
VC...-1303..	10 x 10	110	26	SVJCL-1010J-13-JET	SVJCR-1010J-13-JET
	12 x 12	110	26	SVJCL-1212J-13-JET	SVJCR-1212J-13-JET
	12.7 x 12.7	110	26	SVJCL-12.7J-13-JET	SVJCR-12.7J-13-JET
	16 x 16	110	26	SVJCL-1616J-13-JET	SVJCR-1616J-13-JET
	20 x 20	110	26	SVJCL-2020J-13-JET	SVJCR-2020J-13-JET
VC...-1604..	12 x 12	110	30	SVJCL-1212J-16-JET	SVJCR-1212J-16-JET
	12.7 x 12.7	110	30	SVJCL-12.7J-16-JET	SVJCR-12.7J-16-JET
	16 x 16	110	30	SVJCL-1616J-16-JET	SVJCR-1616J-16-JET
	20 x 20	110	30	SVJCL-2020J-16-JET	SVJCR-2020J-16-JET

Porte-outils

Halter

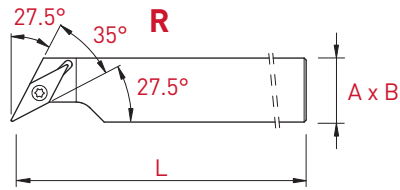
Holders

35°

SVX



SVX



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

Porte-outils

Halter

Holders

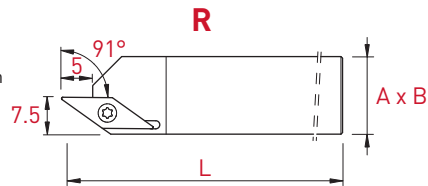
35°

SV-CL/R



SV-CL/R

tournage arrière
rückwärts drehen
back turning



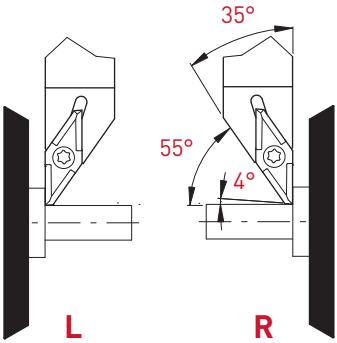
Plaquettes WSP Inserts	A x B	L	Art. N°	Art. N°
VCG...-1103..	12 x 12	130	SV-CL-1212X-11	SV-CR-1212X-11
	12 x 12	90	SV-CL-1212G-11	SV-CR-1212G-11
	12.7 x 12.7	130	SV-CL-12.7X-11	SV-CR-12.7X-11
	16 x 16	130	SV-CL-1616X-11	SV-CR-1616X-11
	16 x 16	75	SV-CL-1616F-11	SV-CR-1616F-11
	20 x 20	120	SV-CL-2020X-11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

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

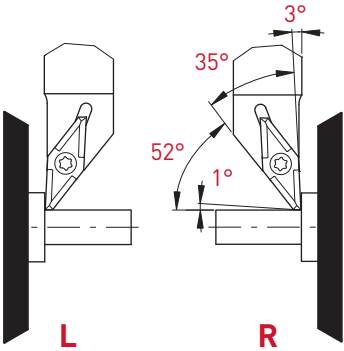
Passende Halter zu den Wendeplatten VCGT ELP/ERP-FL/FR-X10°

Holders compatible with inserts VCGT ELP/ERP-FL/FR-X10°

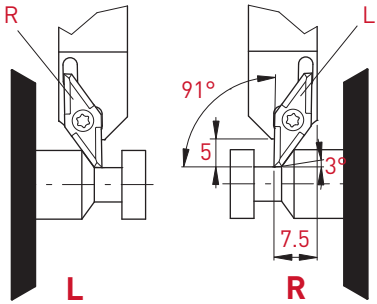
35°



	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

Porte-outils intérieurs

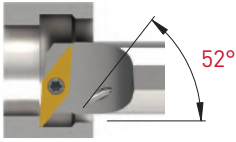
Innenhalter

Internal holders

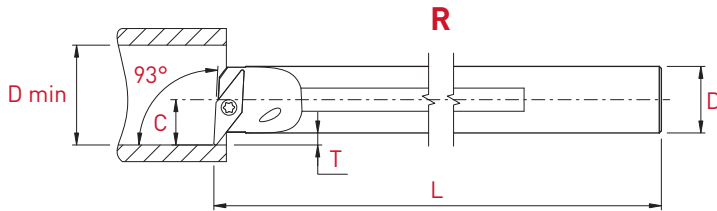
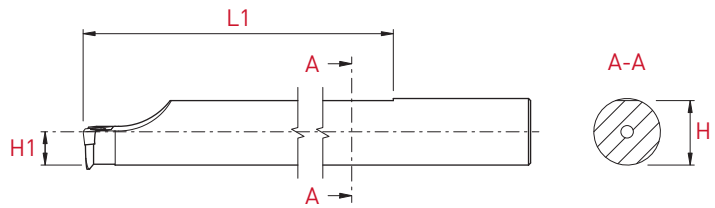
35°

A-SVUCR/L

new



SVU



Acier / Stahl / Steel

L

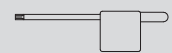
R

Plaquettes WSP Inserts	D	Dmin	T	C	H1	L	L1	H	Art. N°	Art. N°
VC...1103	16	21	3.1	11	8	150	118	15.5	A16M-SVUCL-11	A16M-SVUCR-11

Pièces de rechange
Ersatzteile
Spare parts

Art. N°

V-M2.5X5.8-T8

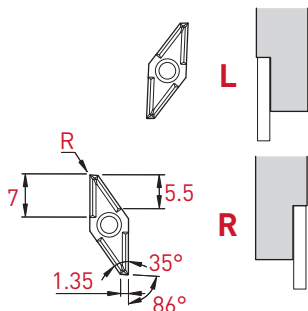


Art. N°

C-T8



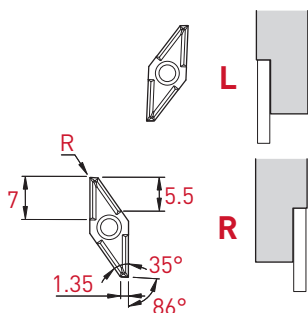
**VC GT
FL / FR-X10**



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



**VC GT
ELP/ERP-X10**



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

Plaquettes en métal dur

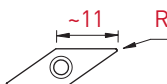
VHM-Wendeplatten

Solid carbide inserts

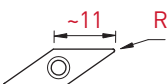
35°

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	■	■	■

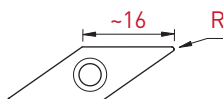
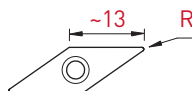
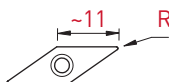
VCGW
FN-0

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	■	■	■



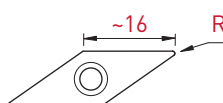
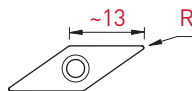
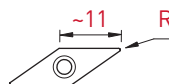
**VCGT
FN-X8**

R	Art. N°	PVD					non revêtu unbeschichtet uncoated	
		P M N S TiAlN	P M N S HTA	P M N S TiAlX	P M N S HTAX	P M N S TiN	K10	K20
0.05	VCGT-1103005-FN-X8	■	■	■	■	■	■	■
0.08	VCGT-1103008-FN-X8	■	■	■	■	■	■	■
0.1	VCGT-110301-FN-X8	■	■	■	■	■	■	■
0.15	VCGT-1103015-FN-X8	■	■	■	■	■	■	■
0.2	VCGT-110302-FN-X8	■	■	■	■	■	■	■
0.4	VCGT-110304-FN-X8	■	■	■	■	■	■	■
0.05	VCGT-1303005-FN-X8	■	■	■	■	■	■	■
0.1	VCGT-130301-FN-X8	■	■	■	■	■	■	■
0.2	VCGT-130302-FN-X8	■	■	■	■	■	■	■
0.4	VCGT-130304-FN-X8	■	■	■	■	■	■	■
0.05	VCGT-1604005-FN-X8	■	■	■	■	■	■	■
0.1	VCGT-160401-FN-X8	■	■	■	■	■	■	■
0.2	VCGT-160402-FN-X8	■	■	■	■	■	■	■
0.4	VCGT-160404-FN-X8	■	■	■	■	■	■	■



**VCGT
ENP-X8**

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		P M N S TiAlN	P M N S TiN	
0.05	VCGT-1103005-ENP-X8	■	■	■
0.08	VCGT-1103008-ENP-X8	■	■	■
0.1	VCGT-110301-ENP-X8	■	■	■
0.15	VCGT-1103015-ENP-X8	■	■	■
0.2	VCGT-110302-ENP-X8	■	■	■
0.4	VCGT-110304-ENP-X8	■	■	■
0.05	VCGT-1303005-ENP-X8	■	■	■
0.1	VCGT-130301-ENP-X8	■	■	■
0.2	VCGT-130302-ENP-X8	■	■	■
0.4	VCGT-130304-ENP-X8	■	■	■
0.05	VCGT-1604005-ENP-X8	■	■	■
0.1	VCGT-160401-ENP-X8	■	■	■
0.2	VCGT-160402-ENP-X8	■	■	■
0.4	VCGT-160404-ENP-X8	■	■	■



Plaquettes en métal dur

VHM-Wendeplatten

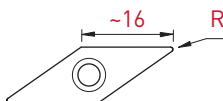
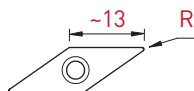
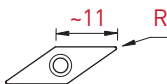
Solid carbide inserts

35°

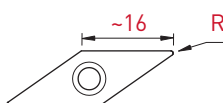
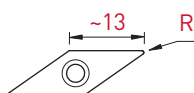
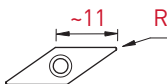
VCGT-X17

VCGT
FN-X17

R	Art. N°	PVD				non revêtu unbeschichtet uncoated	
		P M N S TiAlN	P M N S HTA	P M N S HTAX	P M N S TiN	K10	K20
0.05	VCGT-1103005-FN-X17	■	■	■	■	■	■
0.08	VCGT-1103008-FN-X17	■	■	■	■	■	■
0.1	VCGT-110301-FN-X17	■	■	■	■	■	■
0.15	VCGT-1103015-FN-X17	■	■	■	■	■	■
0.2	VCGT-110302-FN-X17	■	■	■	■	■	■
0.4	VCGT-110304-FN-X17	■	■	■	■	■	■
0.05	VCGT-1303005-FN-X17	■	■	■	■	■	■
0.1	VCGT-130301-FN-X17	■	■	■	■	■	■
0.2	VCGT-130302-FN-X17	■	■	■	■	■	■
0.4	VCGT-130304-FN-X17	■	■	■	■	■	■
0.05	VCGT-1604005-FN-X17	■	■	■	■	■	■
0.1	VCGT-160401-FN-X17	■	■	■	■	■	■
0.2	VCGT-160402-FN-X17	■	■	■	■	■	■
0.4	VCGT-160404-FN-X17	■	■	■	■	■	■
0.8	VCGT-160408-FN-X17	■	■	■	■	■	■

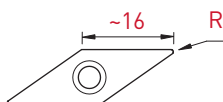
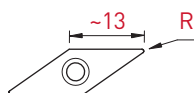
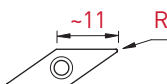
VCGT
ENP-X17

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		P M N S TiAlN	P M N S TiN	K20
0.05	VCGT-1103005-ENP-X17	■	■	■
0.08	VCGT-1103008-ENP-X17	■	■	■
0.1	VCGT-110301-ENP-X17	■	■	■
0.15	VCGT-1103015-ENP-X17	■	■	■
0.2	VCGT-110302-ENP-X17	■	■	■
0.4	VCGT-110304-ENP-X17	■	■	■
0.05	VCGT-1303005-ENP-X17	■	■	■
0.1	VCGT-130301-ENP-X17	■	■	■
0.2	VCGT-130302-ENP-X17	■	■	■
0.4	VCGT-130304-ENP-X17	■	■	■
0.05	VCGT-1604005-ENP-X17	■	■	■
0.1	VCGT-160401-ENP-X17	■	■	■
0.2	VCGT-160402-ENP-X17	■	■	■
0.4	VCGT-160404-ENP-X17	■	■	■
0.8	VCGT-160408-ENP-X17	■	■	■

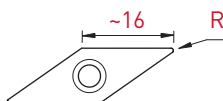
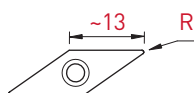
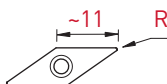


VCGT
FN-X25

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiN	K10	K20
		P M N S	P M N S	P M N	☐ ☐ ☒ ☐	☐ ☐ ☒ ☐
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	TiAlX	TiN	K20	
		P M N S	P M N S	P M N	☐ ☐ ☒ ☐	☐ ☐ ☒ ☐
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

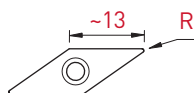
Solid carbide inserts

35°

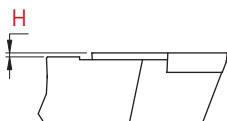
VCGT-X20

VCGT
ENP-X20

PVD	
☐	☐
☒ M	☒ M
☒ N	☒ N
☒ S	☒ S
ZTA	HTIX



R	H	Art. N°	ZTA	HTIX
0.2	0.25	VCGT-130302-ENP-X20	■	■
0.4	0.25	VCGT-130304-ENP-X20	■	■
0.8	0.25	VCGT-130308-ENP-X20	■	■



Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

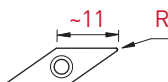
35°

VCMT-XF3

VCMT-XF2



VCMT
EN-XF3

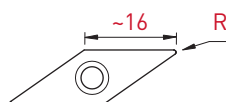
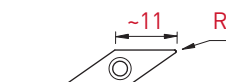


R	Art. N°	PVD	
		TAC	HTAC
0.2	VCMT-110302-EN-XF3	■	■
0.4	VCMT-110304-EN-XF3	■	■

PVD	
P	P
M	M
N	N
S	S



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
P	P	P
M	M	M
N	N	
S	S	

Plaquettes en métal dur

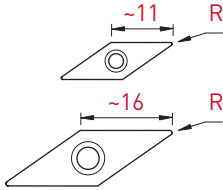
VHM-Wendeplatten

Solid carbide inserts

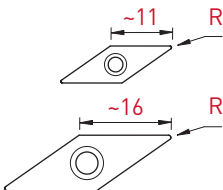
35°

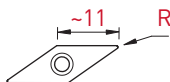
VCMT-MF
VCMT-HFVCMT
EN-MF

R	Art. N°	PVD	CVD
		P M Tmax	P M 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
		P M Tmax	P M 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	■	■



VCGT
FN-X8

		CERMET	
		PVD	non revêtu unbeschichtet uncoated
		☒ P ☒ M ☐ ☐	☒ P ☐ ☐ ☐
R	Art. N°	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	■	■