

APPLITEC

ISO-Line



APPLITEC
SWISS TOOLING

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



APPLIED

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	9
		EN-KM	9
Rayon de pointe Eckenradius Corner radius		DCGT...X8/X17	R = 0.08
		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
	VHM + PVD	HTiX	10
	Carbide + PVD	ZTA	10
		TiALX	10
		HTAX	10
	Métal dur + CVD	Ti5	11
	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 35° WSP- un Halter typ VC-13 35° inserts and holders type VC-13		VCGT-1303... SV...13
Porte-outils avec arrosage intégré Halter mit integriertem Kühlmittelzufuhr Holder with integrated coolant supply		SC...-JET SD...-JET SV...-JET	15 27 41
Porte-outils avec section 1/2" x 1/2" Halter mit 1/2" x 1/2" Querschnitt Holder with 1/2" x 1/2" section		SC...12.7... SD...12.7... SV...12.7...	12-15 24-28 38-42
Paramètres de coupe indicatifs Empfohlene Schnittwerte Standard machining data		DATA	54-57

Index

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	-

> 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

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

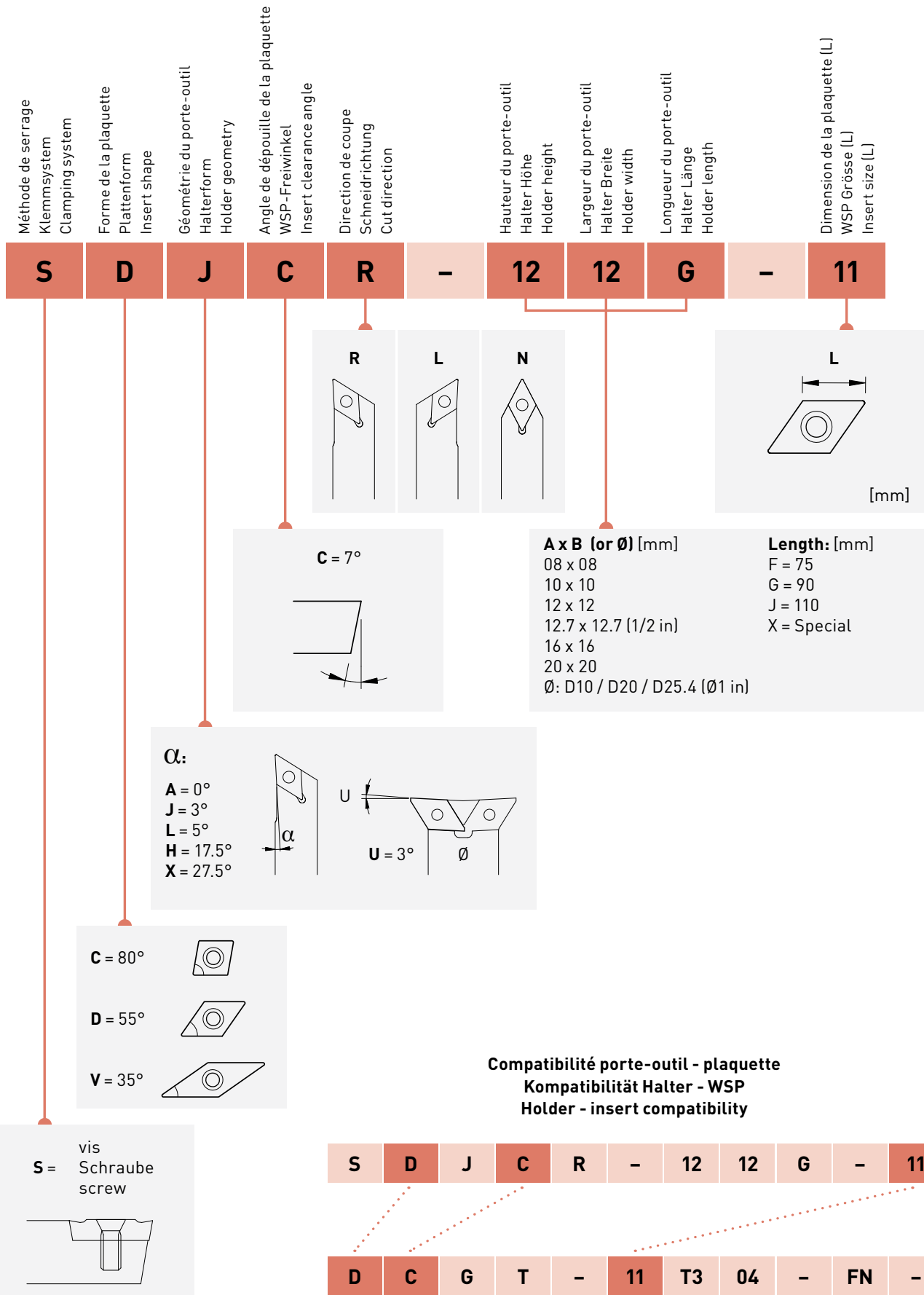
> 54

ISO-Line

Codification des porte-outils ISO-Line

ISO-Line Bezeichnungssystem für Halter

ISO-Line designation system for holders



Codification des plaquettes ISO-Line

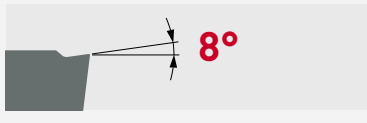
ISO-Line Bezeichnungssystem für WSP

ISO-Line designation system for inserts

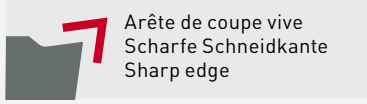
Forme de la plaque Plattenform Insert shape	Angle de dépouille de la plaque WSP-Freiwinkel Insert clearance angle	Classe de tolérance Toleranz Klasse Tolerance class	Brise-copeau Spanbrecher Chip breaker		Dimension de la plaque (L) WSP Größe (L) Insert size (L)	Épaisseur de la plaque (E) WSP Dicke (E) 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
C = 7° C = 80° D = 55° V = 35° G = ±0.025 mm M = ±0.05 mm T W 11 T3 04 R: 003 = 0.03 mm 005 = 0.05 mm 008 = 0.08 mm 01 = 0.1 mm 02 = 0.2 mm 04 = 0.4 mm 08 = 0.8 mm											
FN EN ENP FL / FR ELP / ERP EN ENP FL / FR ELP / ERP EN ENP FL / FR ELP / ERP EN ENP FL / FR ELP / ERP 											

FN-X8

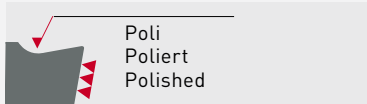
Finishing

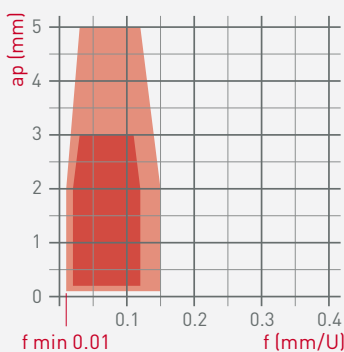
8°



Arête de coupe vive
Scharfe Schneidkante
Sharp edge



Poli
Poliert
Polished



ap (mm)

f (mm/U)

f min 0.01

P	★★★★★
M	★★★★
N	★★★★
S	★★★

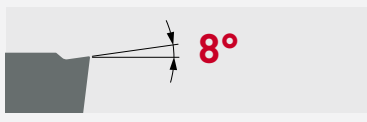
CCGT **DCGT** **VCGT**

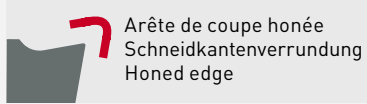
p. 16 p. 30 p. 46

ENP-X8

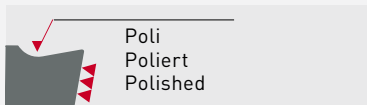
Semi-finishing

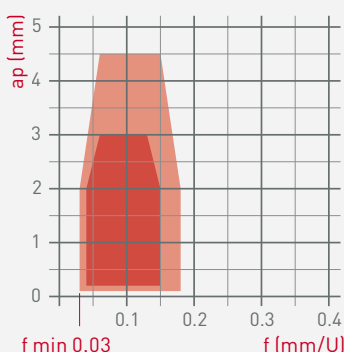
8°



Arête de coupe honée
Schneidkantenverrundung
Honed edge



Poli
Poliert
Polished



ap (mm)

f (mm/U)

f min 0.03

P	★★★★★
M	★★★
N	★★★★
S	★★★

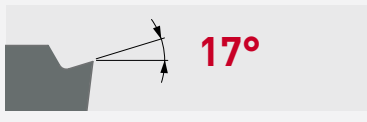
CCGT **DCGT** **VCGT**

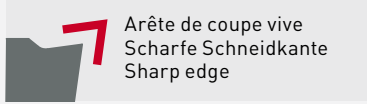
p. 16 p. 30 p. 46

FN-X17

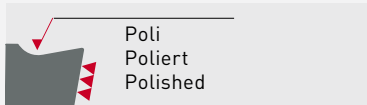
Finishing

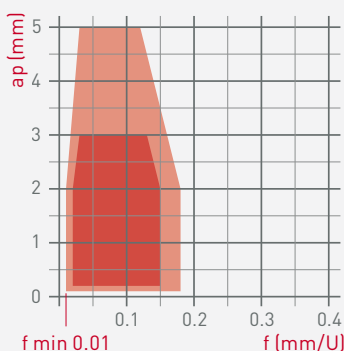
17°



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**

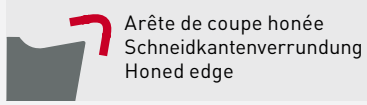
p. 17 p. 31 p. 47

ENP-X17

Semi-finishing



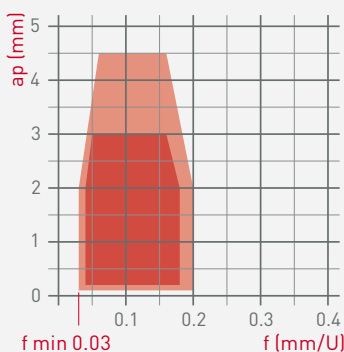

17°



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. 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

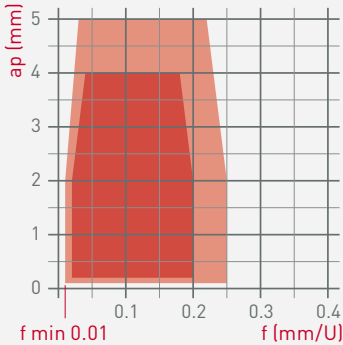
Finishing



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

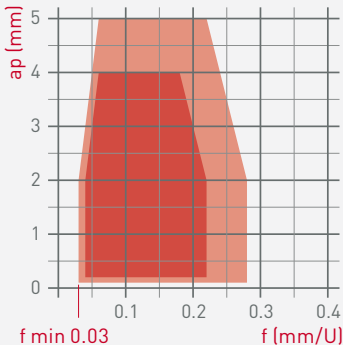
Semi-finishing



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

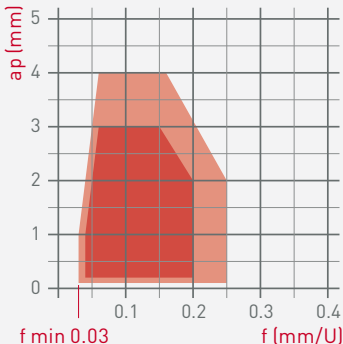
ENP-X20

Semi-finishing



20°

Arête de coupe honée
Schneidkantenverrundung
Honed edge



ap (mm)

f (mm/U)

f min 0.03

P	
M	★★★★★
N	★★★★
S	★★★★★

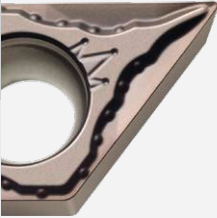
CCGT DCGT VCGT

p. 19 p. 33 p. 49

EN-XF3

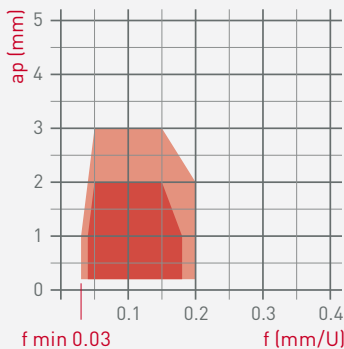
Semi-finishing

Finishing




12°

Arête de coupe honée
Schneidkantenverrundung
Honed edge



ap (mm)

f (mm/U)

f min 0.03

P	★★★★★
M	★★★★★
N	★★★★
S	★★★

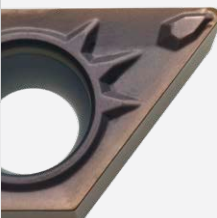
CCMT **DCMT** **VCMT**

p. 20 p. 34 p. 50

EN-XF2

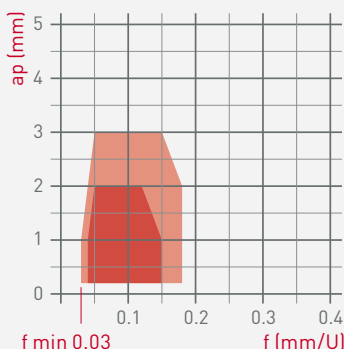
Semi-finishing

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

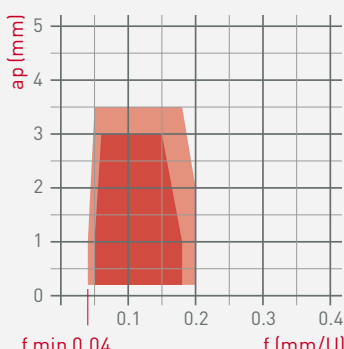
EN-MF2

Semi-finishing




8°

Arête de coupe honée
Schneidkantenverrundung
Honed edge



ap (mm)

f (mm/U)

f min 0.04

P	★★★★★
M	★★★★★
N	★★★★
S	★★★

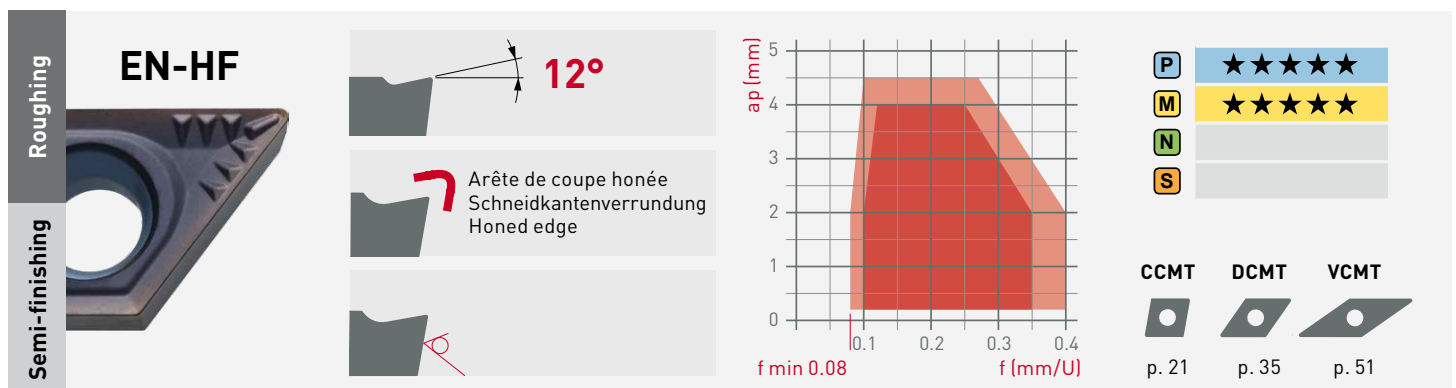
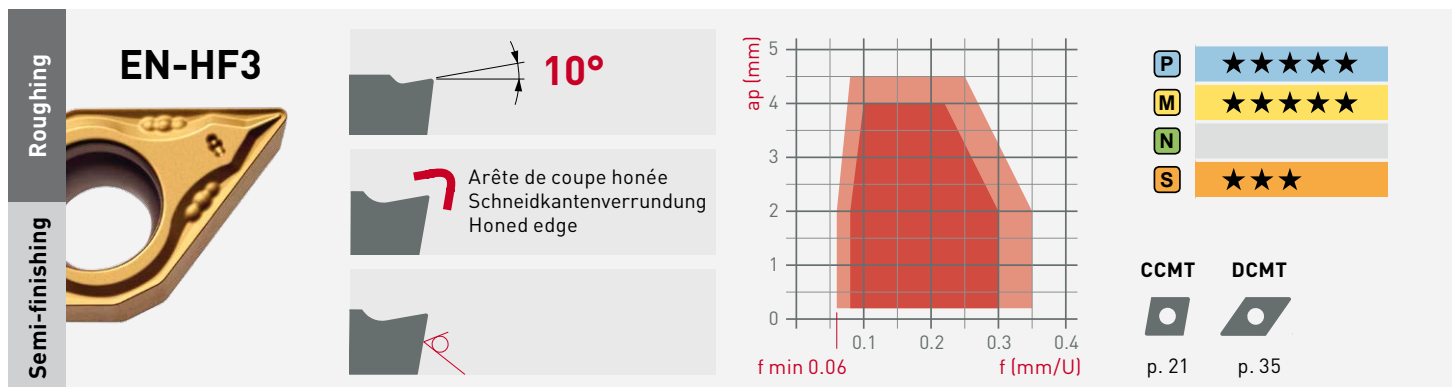
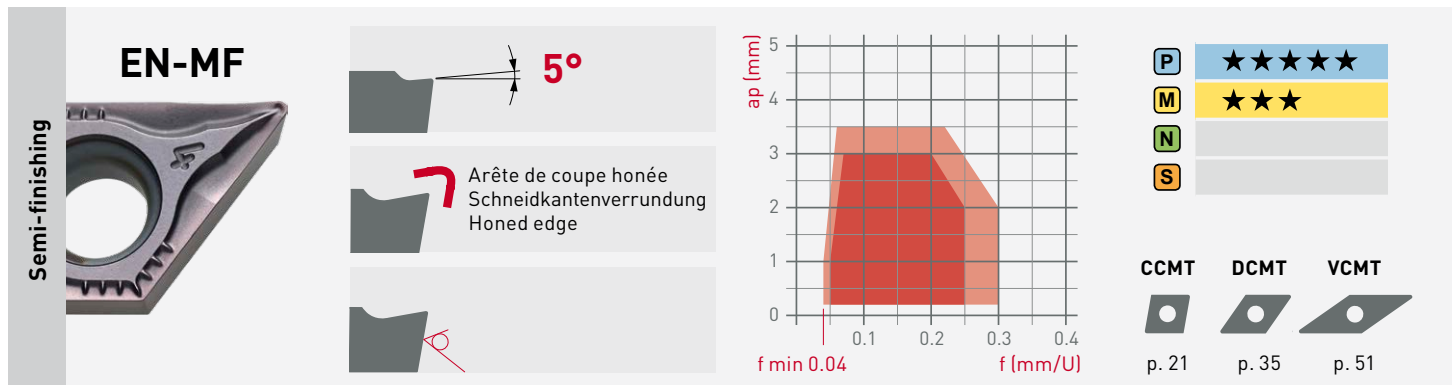
CCMT **DCMT**

p. 20 p. 34

Géométries de coupe
Spanformgeometrien
Cutting geometries

M
 tolerance class

Plaquettes en métal dur
 VHM-Wendeplatten
 Carbide inserts



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	★★★★★

VC GT

p. 44

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	★★★★★

VC GT

p. 44

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	★★★★★

VC GT

p. 45

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	★★★★

VC GW

p. 45

Géométries de coupe
Spanformgeometrien
Cutting geometries

G / M
tolerance class

CERMET

Finishing

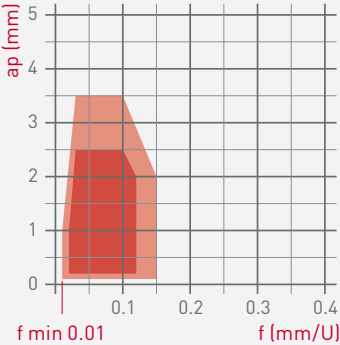
FN-X8 CERMET



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

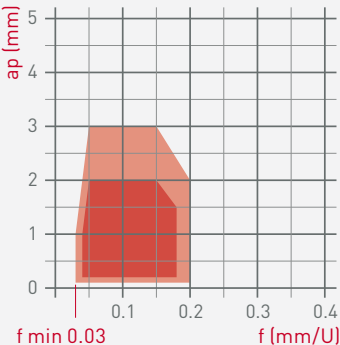
Semi-finishing

ENP-KX CERMET



8°

Arête de coupe honée
Schneidkantenverrundung
Honed edge



ap (mm)

f (mm/U)

f min 0.03

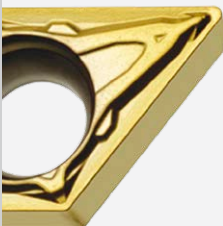
P	★★★★★
M	★★★
N	
S	

CCGT DCGT

p. 22 p. 36

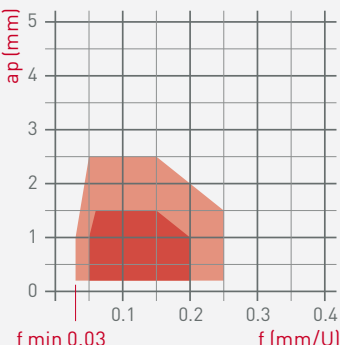
Semi-finishing

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

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

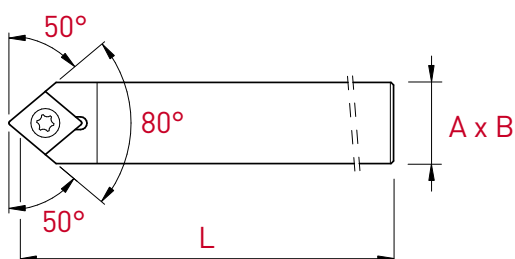
Porte-outils

Halter

Holders

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

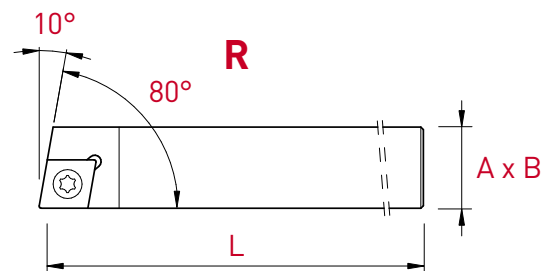
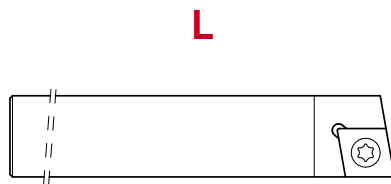
Porte-outils

Halter

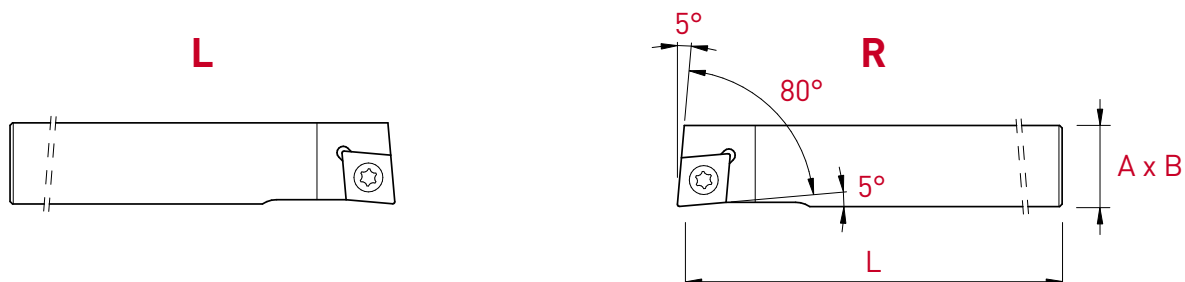
Holders

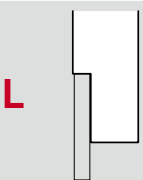
80°

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

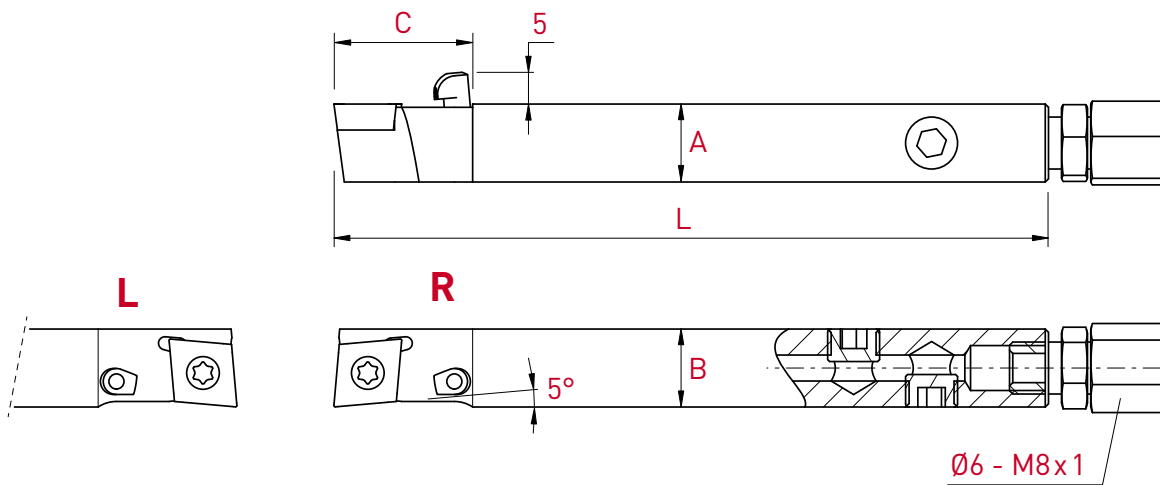
Porte-outils avec arrosage intégré

Halter mit integriertem Kühlmittelzufuhr

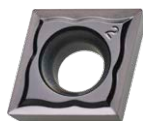
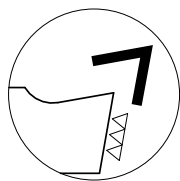
Holder with integrated coolant supply

80°

SCL-JET

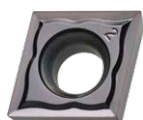
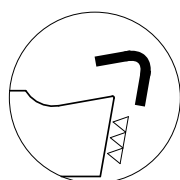
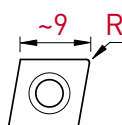
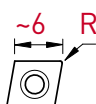


Plaquette WSP Insert	A x B x L	C	Art. N°	Art. N°
CC..-0602..	10 x 10 x 110	21	SCLCL-1010J-06-JET	SCLCR-1010J-06-JET
	12 x 12 x 110	21	SCLCL-1212J-06-JET	SCLCR-1212J-06-JET
	12.7 x 12.7 x 110	21	SCLCL-12.7-J-06-JET	SCLCR-12.7-J-06-JET
	16 x 16 x 110	21	SCLCL-1616J-06-JET	SCLCR-1616J-06-JET
CC..-09T3..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



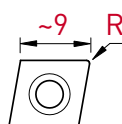
CCGT FN-X8

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiAlN	HTA	TiN	K10	K20
~6 R	0.05	■	■	■	■	■
	0.1	■	■	■	■	■
	0.2	■	■	■	■	■
	0.4	■	■	■	■	■
~9 R	0.05	■	■	■	■	■
	0.1	■	■	■	■	■
	0.2	■	■	■	■	■
	0.4	■	■	■	■	■



CCGT ENP-X8

R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiAlN	TiN	
~6 R	0.05	■	■	■
	0.1	■	■	■
	0.2	■	■	■
	0.4	■	■	■
~9 R	0.05	■	■	■
	0.1	■	■	■
	0.2	■	■	■
	0.4	■	■	■



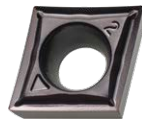
Plaquettes en métal dur

VHM-Wendeplatten

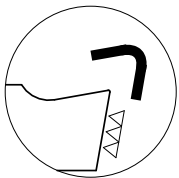
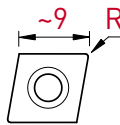
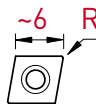
Solid carbide inserts

80°

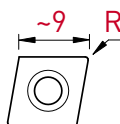
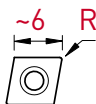
CCGT-X17

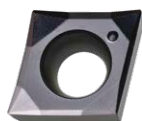
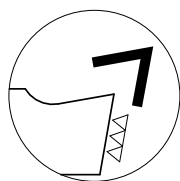
CCGT
FN-X17

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

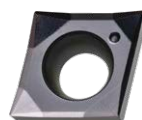
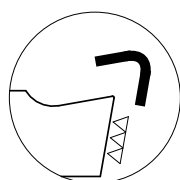
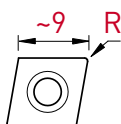
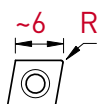
R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		P M N S TiAlN	P M N S TiN	
0.05	CCGT-0602005-ENP-X17	■	■	■
0.1	CCGT-060201-ENP-X17	■	■	■
0.2	CCGT-060202-ENP-X17	■	■	■
0.4	CCGT-060204-ENP-X17	■	■	■
0.05	CCGT-09T3005-ENP-X17	■	■	■
0.1	CCGT-09T301-ENP-X17	■	■	■
0.2	CCGT-09T302-ENP-X17	■	■	■
0.4	CCGT-09T304-ENP-X17	■	■	■
0.8	CCGT-09T308-ENP-X17	■	■	■





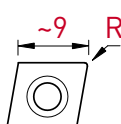
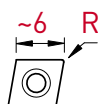
CCGT FN-X25

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



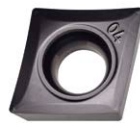
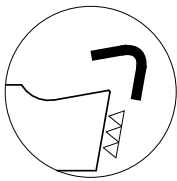
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

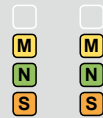
80°

CCGT-X20

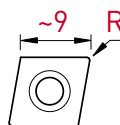
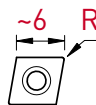


**CCGT
ENP-X20**

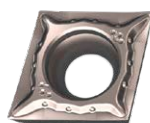
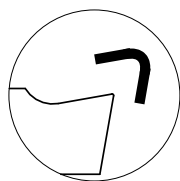
PVD



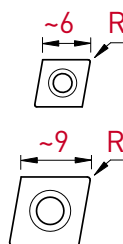
ZTA HTiX



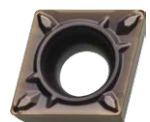
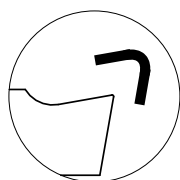
R	Art. N°	ZTA	HTiX
0.1	CCGT-060201-ENP-X20	■	
0.2	CCGT-060202-ENP-X20	■	■
0.4	CCGT-060204-ENP-X20	■	■
0.1	CCGT-09T301-ENP-X20	■	
0.2	CCGT-09T302-ENP-X20	■	■
0.4	CCGT-09T304-ENP-X20	■	■
0.8	CCGT-09T308-ENP-X20	■	■



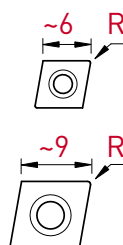
CCMT-EN-XF3



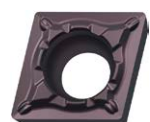
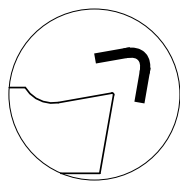
R	Art. N°	PVD	
		TAC	HTAC
0.2	CCMT-060202-EN-XF3	■	■
0.4	CCMT-060204-EN-XF3	■	■
0.2	CCMT-09T302-EN-XF3	■	■
0.4	CCMT-09T304-EN-XF3	■	■



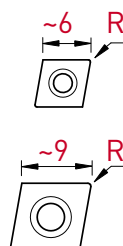
CCMT-EN-XF2



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	■	■	■



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	■	■	■	■

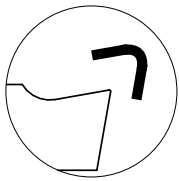
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

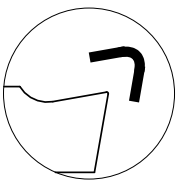
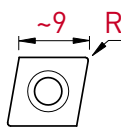
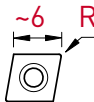
80°

CCMT-MF
CCMT-HF3
CCMT-HF



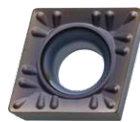
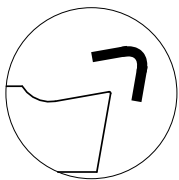
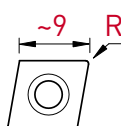
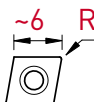
**CCMT
EN-MF**

R	Art. N°	PVD	CVD
		P M T_{max}	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	■	■



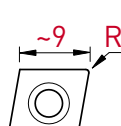
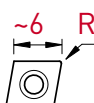
**CCMT
EN-HF3**

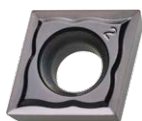
R	Art. N°	PVD		CVD
		P M TiX	P M HTiX	P M S Ti6
0.2	CCMT-060202-EN-HF3	■	■	■
0.4	CCMT-060204-EN-HF3	■	■	■
0.2	CCMT-09T302-EN-HF3	■	■	■
0.4	CCMT-09T304-EN-HF3	■	■	■
0.8	CCMT-09T308-EN-HF3	■	■	■



**CCMT
EN-HF**

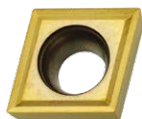
R	Art. N°	PVD		CVD		
		P M T_{max}	P M TAC	P M Ti4	P M Ti5	P M HTi5
0.2	CCMT-060202-EN-HF	■	■	■	■	■
0.4	CCMT-060204-EN-HF	■	■	■	■	■
0.8	CCMT-060208-EN-HF	■	■	■	■	■
0.2	CCMT-09T302-EN-HF	■	■	■	■	■
0.4	CCMT-09T304-EN-HF	■	■	■	■	■
0.8	CCMT-09T308-EN-HF	■	■	■	■	■





CCGT FN-X8

	CCGT FN-X8	CERMET	
		PVD	non revêtu unbeschichtet uncoated
R	Art. N°	P M CTA	P CN6
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	■	■



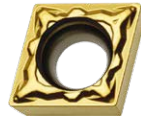
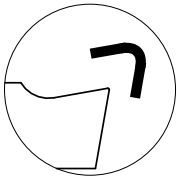
**CCGT
ENP-KX**

		CERMET		
		PVD		non revêtu unbeschichtet uncoated
		P M ☐ ☐	P M ☐ ☐	P ☐ ☐ ☐
R	Art. N°	CT7	HCT7	CN6
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	■	■	■

Plaquettes CERMET
CERMET-Wendeplatten
CERMET inserts

80°

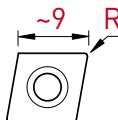
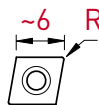
CCMT-KM



**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



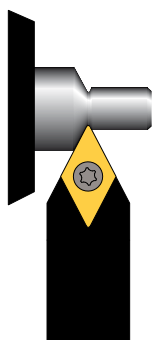
ISO-Line

Outils de tournage 55°

55°-Drehwerkzeuge

Turning tools 55°

55°



SDN



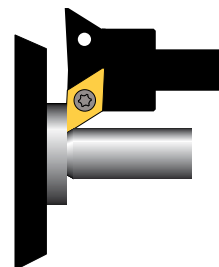
SDA



SDJ



SDH



SDU

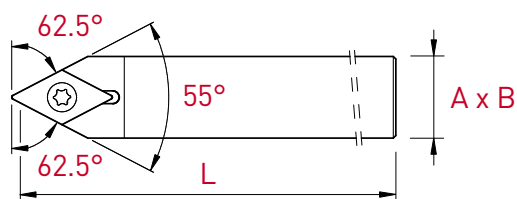
Porte-outils

Halter

Holders

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

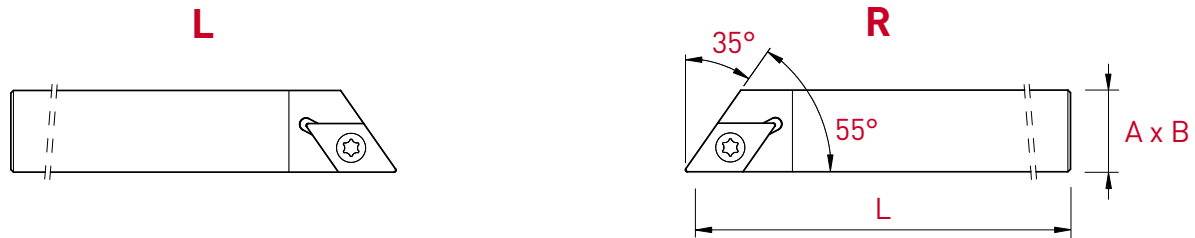
Porte-outils

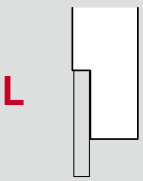
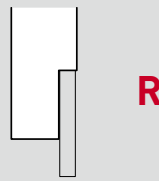
Halter

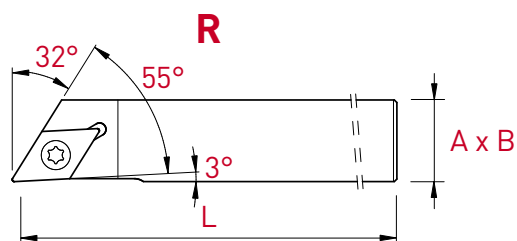
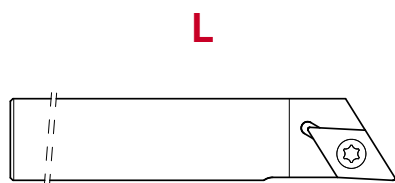
Holders

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

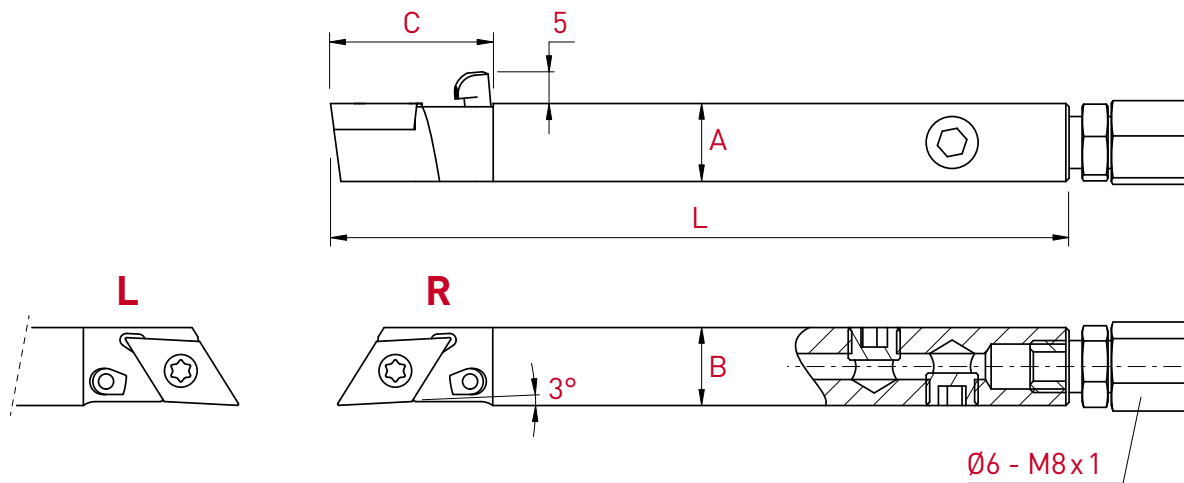


Plaquette WSP Insert	A x B x L	L R	
		Art. N°	Art. N°
DC...-0702..	8 x 8 x 115	SDJCL-0808X-07	SDJCR-0808X-07
	10 x 10 x 115	SDJCL-1010X-07	SDJCR-1010X-07
	12 x 12 x 130	SDJCL-1212X-07	SDJCR-1212X-07
	12 x 12 x 90	SDJCL-1212G-07	SDJCR-1212G-07
	12.7 x 12.7 x 130	SDJCL-12.7-X-07	SDJCR-12.7-X-07
	16 x 16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

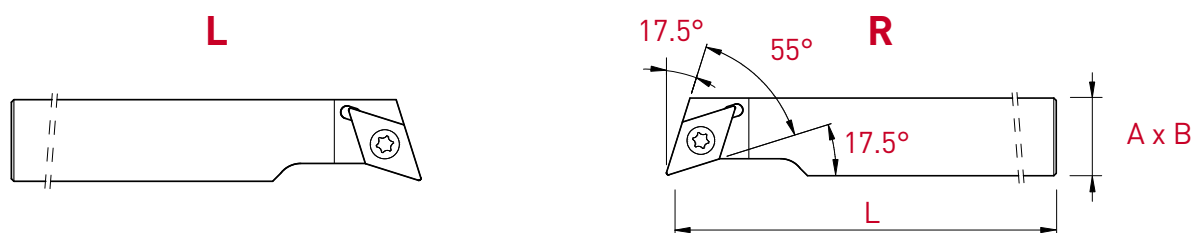
Porte-outils avec arrosage intégré
Halter mit integriertem Kühlmittelzufuhr
Holder with integrated coolant supply

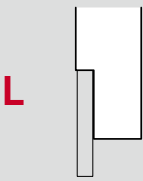
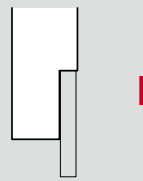
55°

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	 L	 R
		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

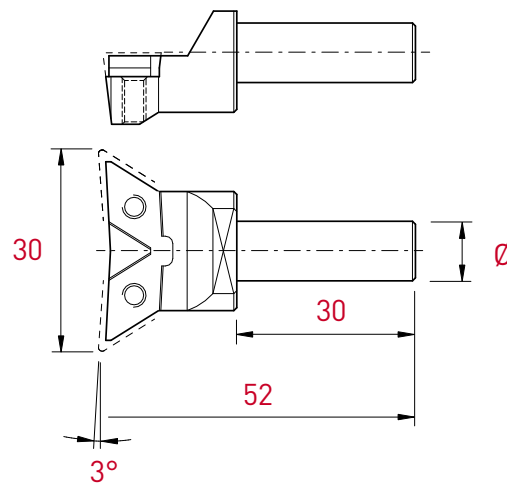
Porte-outils

Halter

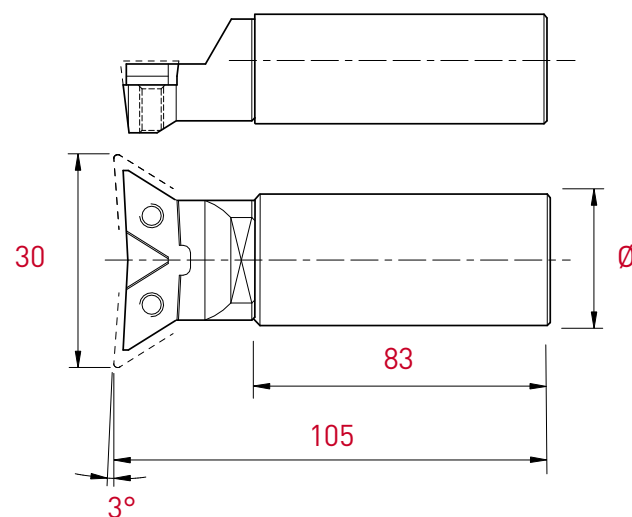
Holders

55°

SDU



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

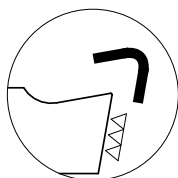
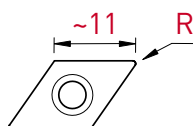
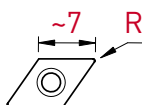


Plaquette WSP Insert	Ø	Art. N°
DC..-11T3..	20	SDUC-D20X-11
	25.4	SDUC-D25.4X-11



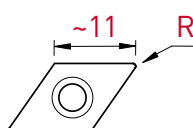
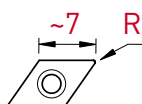
**DCGT
FN-X8**

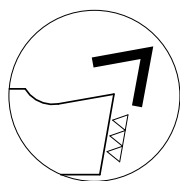
PVD			non revêtu unbeschichtet uncoated	
☐ P ☐ M ☐ N ☐ S	☐ P ☐ M ☐ N ☐ S	☐ P ☐ M ☐ N ☐ S	☐ K10 ☐ N ☐ S	☐ K20 ☐ N ☐ S
TiALN	HTA	TiN		
R	Art. N°			
0.05	DCGT-0702005-FN-X8	☒	☒	☒
0,08	DCGT-0702008-FN-X8	☒	☒	☒
0.1	DCGT-070201-FN-X8	☒	☒	☒
0,15	DCGT-0702015-FN-X8	☒	☒	☒
0.2	DCGT-070202-FN-X8	☒	☒	☒
0.4	DCGT-070204-FN-X8	☒	☒	☒
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**

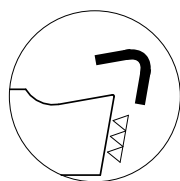
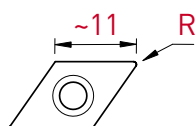
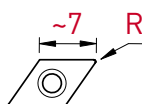
PVD		non revêtu unbeschichtet uncoated	
☐ P ☐ M ☐ N ☐ S	☐ P ☐ M ☐ N ☐ S	☐ K20 ☐ N ☐ S	
TiALN	TiN		
R	Art. N°		
0.05	DCGT-0702005-ENP-X8	☒	☒
0,08	DCGT-0702008-ENP-X8	☒	☒
0.1	DCGT-070201-ENP-X8	☒	☒
0,15	DCGT-0702015-ENP-X8	☒	☒
0.2	DCGT-070202-ENP-X8	☒	☒
0.4	DCGT-070204-ENP-X8	☒	☒
0.05	DCGT-11T3005-ENP-X8	☒	☒
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	☒	☒





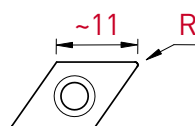
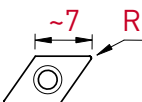
**DCGT
FN-X25**

PVD			non revêtu unbeschichtet uncoated	
P	P	P		
M	M	M		
N	N	N	N	N
S	S			
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**

PVD		non revêtu unbeschichtet uncoated	
P	P		
M	M		
N	N	N	
S			
TiAlN	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	■	■



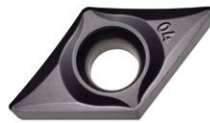
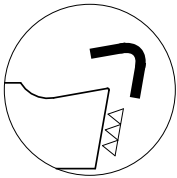
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

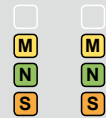
55°

DCGT-X20

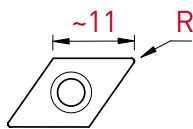
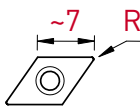


**DCGT
ENP-X20**

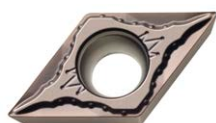
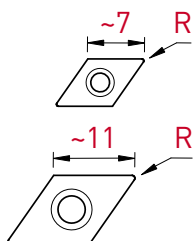
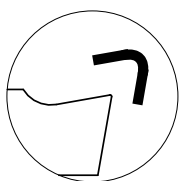
PVD



ZTA HTiX



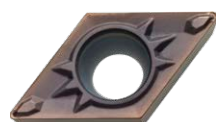
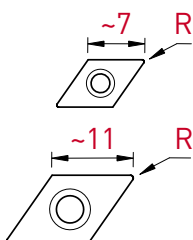
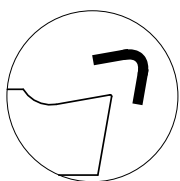
R	Art. N°	ZTA	HTiX
0.1	DCGT-070201-ENP-X20	■	
0.2	DCGT-070202-ENP-X20	■	■
0.4	DCGT-070204-ENP-X20	■	■
0.1	DCGT-11T301-ENP-X20	■	
0.2	DCGT-11T302-ENP-X20	■	■
0.4	DCGT-11T304-ENP-X20	■	■
0.8	DCGT-11T308-ENP-X20	■	■



**DCMT
EN-XF3**

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	■	■

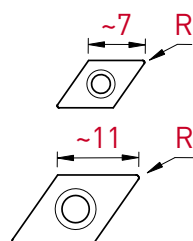
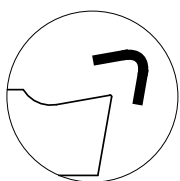
PVD	
P	P
M	M
N	N
S	S



**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	



**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		

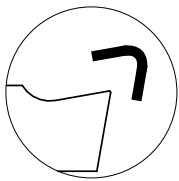
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

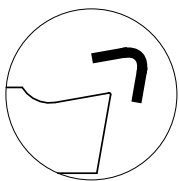
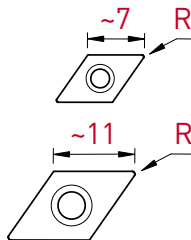
55°

DCMT-MF
DCMT-HF3
DCMT-HF



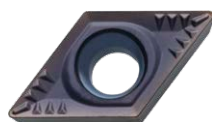
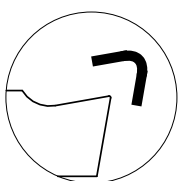
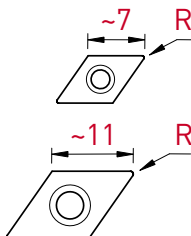
**DCMT
EN-MF**

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



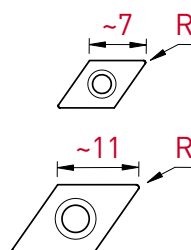
**DCMT
EN-HF3**

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

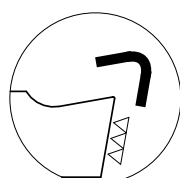
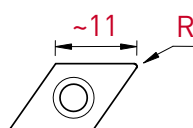
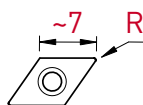




**DCGT
FN-X8**

CERMET			
PVD		non revêtu unbeschichtet uncoated	
☒ P	☒ M	☒ P	
☐	☐	☐	
☐	☐	☐	
CTA		CN6	
■		■	
■		■	
■		■	

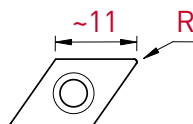
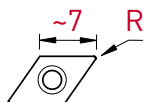
R	Art. N°
0.05	DCGT-0702005-FN-X8
0.1	DCGT-070201-FN-X8
0.2	DCGT-070202-FN-X8
0.05	DCGT-11T3005-FN-X8
0.1	DCGT-11T301-FN-X8
0.2	DCGT-11T302-FN-X8
0.4	DCGT-11T304-FN-X8



**DCGT
ENP-KX**

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

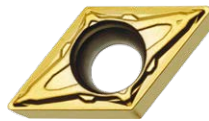
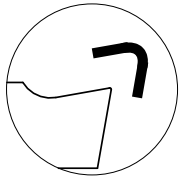
R	Art. N°
0.1	DCGT-070201-ENP-KX
0.2	DCGT-070202-ENP-KX
0.4	DCGT-070204-ENP-KX
0.1	DCGT-11T301-ENP-KX
0.2	DCGT-11T302-ENP-KX
0.4	DCGT-11T304-ENP-KX



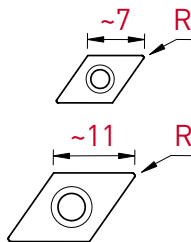
Plaquettes CERMET
CERMET-Wendepplatten
CERMET inserts

55°

DCMT-KM



**DCMT
EN-KM**



R	Art. N°	CERMET		
		PVD		non revêtu unbeschichtet uncoated
		CT7	HCT7	CN6
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	■	■	■

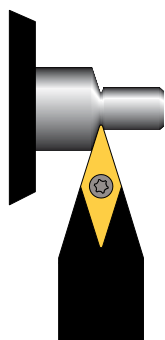
ISO-Line

Outils de tournage 35°

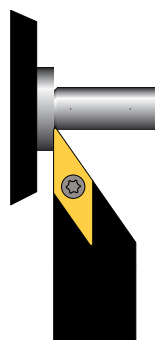
35°-Drehwerkzeuge

Turning tools 35°

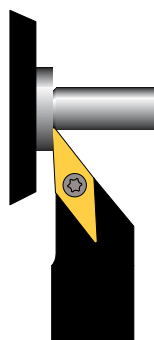
35°



SVV



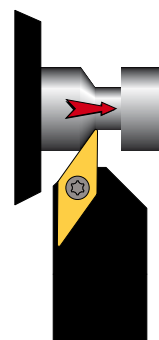
SVA



SVJ



SVX



SV-CL/R

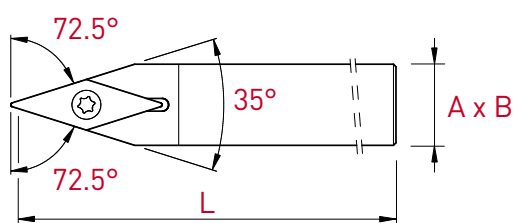
Porte-outils

Halter

Holders

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

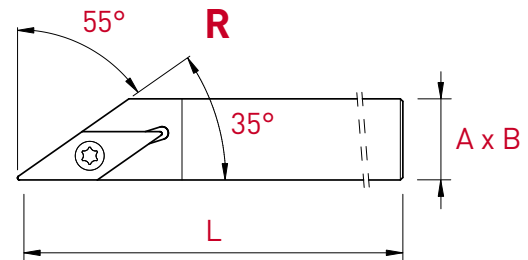
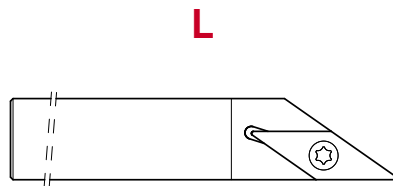
Porte-outils

Halter

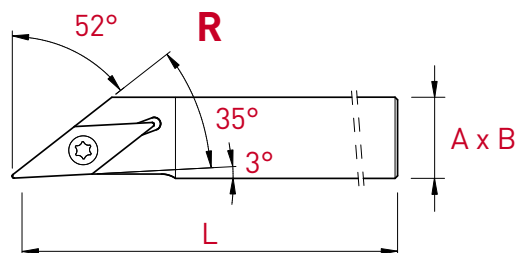
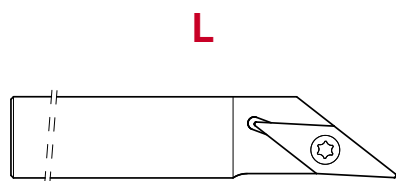
Holders

35°

SVA



Plaquette WSP Insert	A x B x L	L R	
		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

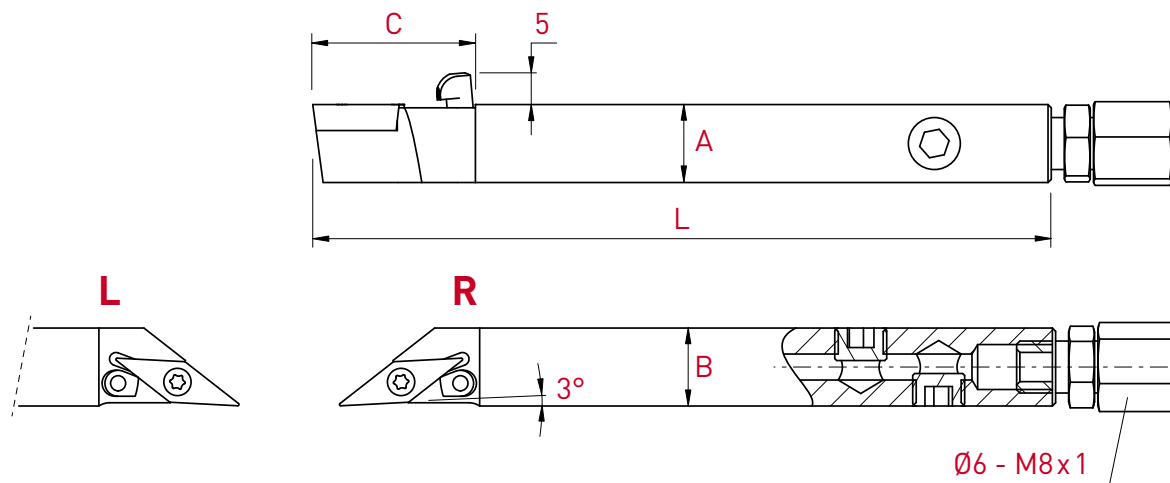


Plaquette WSP Insert	A x B x L	L R	
		Art. N°	Art. N°
VC...-1103..	8 x 8 x 115	SVJCL-0808X-11	SVJCR-0808X-11
	10 x 10 x 115	SVJCL-1010X-11	SVJCR-1010X-11
	12 x 12 x 130	SVJCL-1212X-11	SVJCR-1212X-11
	12 x 12 x 90	SVJCL-1212G-11	SVJCR-1212G-11
	12.7 x 12.7 x 130	SVJCL-12.7-X-11	SVJCR-12.7-X-11
	16 x 16 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

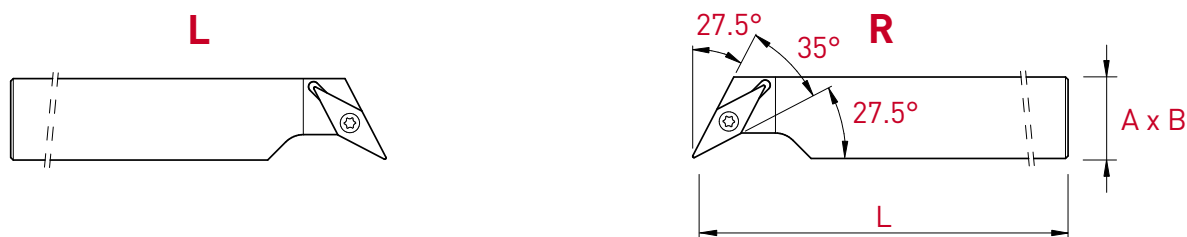
Porte-outils

Halter

Holders

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

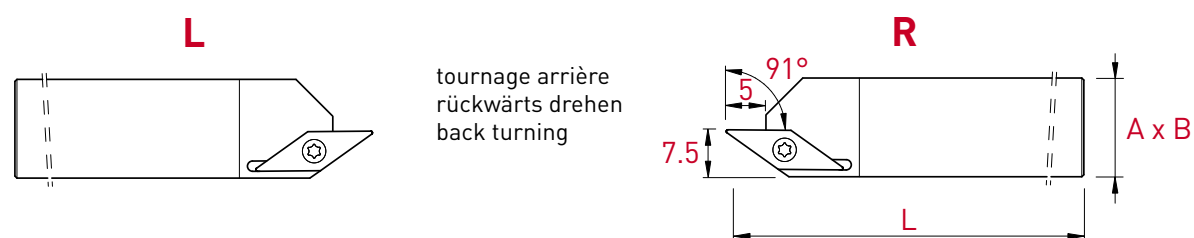
Porte-outils

Halter

Holders

35°

SV-CL/R



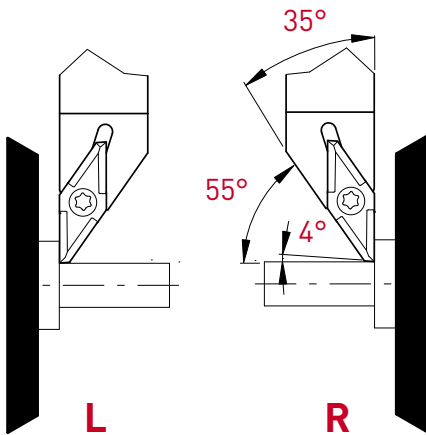
Plaquette WSP Insert	A x B x L	 	
		Art. N°	Art. N°
VCG..-1103..	12 x 12 x 130	SV-CL-1212X-11	SV-CR-1212X-11
	12 x 12 x 90	SV-CL-1212G-11	SV-CR-1212G-11
	12.7 x 12.7 x 130	SV-CL-12.7-X-11	SV-CR-12.7-X-11
	16 x 16 x 130	SV-CL-1616X-11	SV-CR-1616X-11
	16 x 16 x 75	SV-CL-1616F-11	SV-CR-1616F-11
	20 x 20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

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

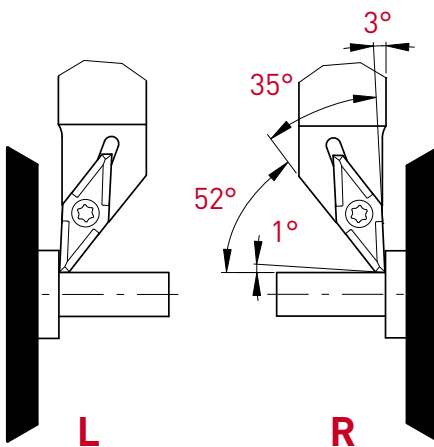
Passende Halter zu den Wendepplatten VCGT FL/FR-X10°

Holders compatible with inserts VCGT FL/FR-X10°

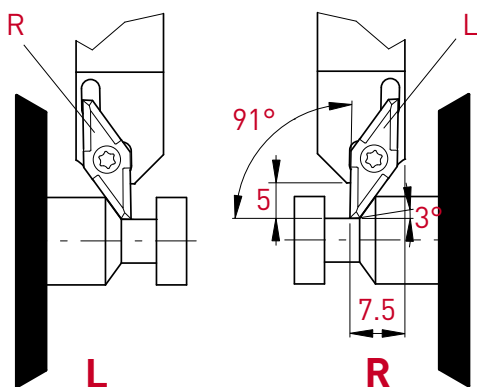
35°



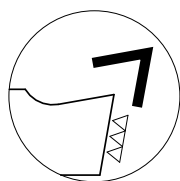
	Art. N°
R	SVACR-...-11
L	SVACL-...-11



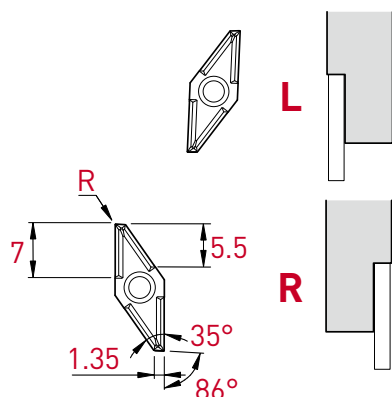
	Art. N°
R	SVJCR-...-11
L	SVJCL-...-11



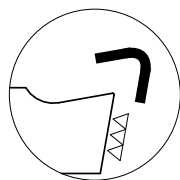
	Art. N°
R	SV-CR-...-11
L	SV-CL-...-11



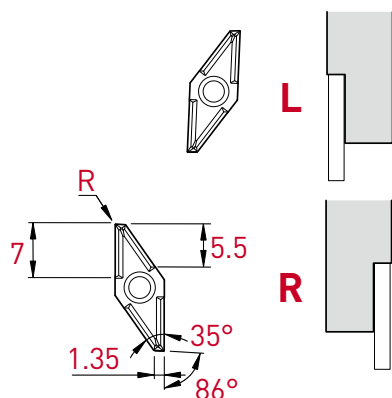
**VCGT
FL / FR-X10**



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
0.03	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	
		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
0.03	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

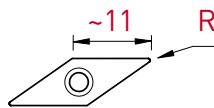
35°

VCGT-K18
VCGW-0



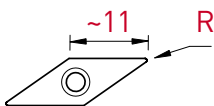
**VCGT
FN-K18**

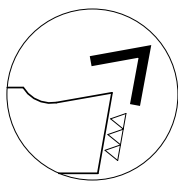
R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		HTA	HTiN	K10
0.05	VCGT-1103005-FN-K18	■	■	■
0.1	VCGT-110301-FN-K18	■	■	■
0.2	VCGT-110302-FN-K18	■	■	■
0.4	VCGT-110304-FN-K18	■	■	■



**VCGW
FN-0**

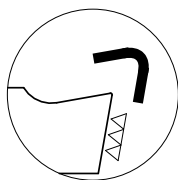
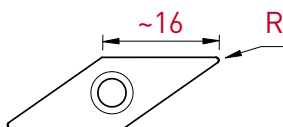
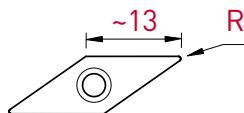
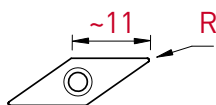
R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		HTA	HTiN	K10
0.05	VCGW-1103005-FN-0	■	■	■
0.1	VCGW-110301-FN-0	■	■	■
0.2	VCGW-110302-FN-0	■	■	■
0.4	VCGW-110304-FN-0	■	■	■





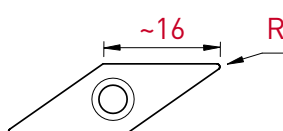
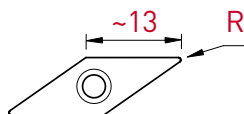
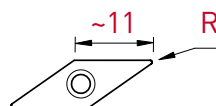
**VCGT
FN-X8**

R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiALN	HTA	TiN	K10	K20
0.05	VCGT-1103005-FN-X8	■	■	■	■	■
0.08	VCGT-1103008-FN-X8	■	■	■	■	■
0.1	VCGT-110301-FN-X8	■	■	■	■	■
0,15	VCGT-1103015FN-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	
		TiALN	TiN	K20	
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

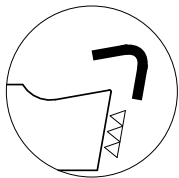
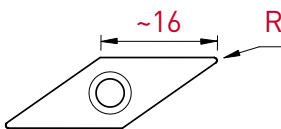
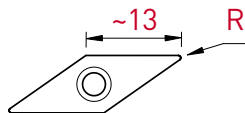
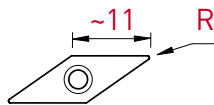
35°

VCGT-X17



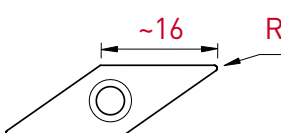
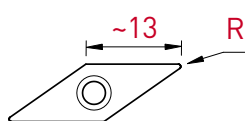
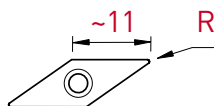
**VCGT
FN-X17**

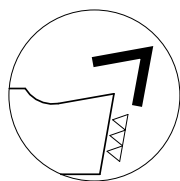
R	Art. N°	PVD			non revêtu unbeschichtet uncoated	
		TiALN	HTA	TiN	K10	K20
0.05	VCGT-1103005-FN-X17	■	■	■	■	■
0.08	VCGT-1103008-FN-X17	■	■	■	■	■
0.1	VCGT-110301-FN-X17	■	■	■	■	■
0.15	VCGT-1103015-FN-X17	■	■	■	■	■
0.2	VCGT-110302-FN-X17	■	■	■	■	■
0.4	VCGT-110304-FN-X17	■	■	■	■	■
0.05	VCGT-1303005-FN-X17	■	■	■	■	■
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**

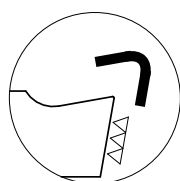
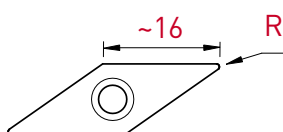
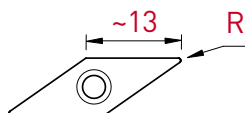
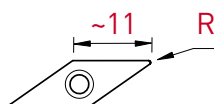
R	Art. N°	PVD		non revêtu unbeschichtet uncoated
		TiALN	TiN	
0.05	VCGT-1103005-ENP-X17	■	■	■
0.08	VCGT-1103008-ENP-X17	■	■	■
0.1	VCGT-110301-ENP-X17	■	■	■
0.15	VCGT-1103015-ENP-X17	■	■	■
0.2	VCGT-110302-ENP-X17	■	■	■
0.4	VCGT-110304-ENP-X17	■	■	■
0.05	VCGT-1303005-ENP-X17	■	■	■
0.1	VCGT-130301-ENP-X17	■	■	■
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	■	■	■





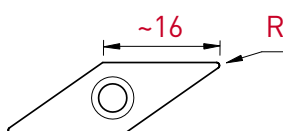
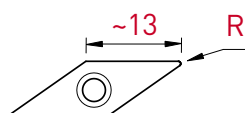
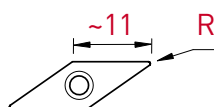
**VCGT
FN-X25**

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	TiN	K20	
		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	■	■	■	



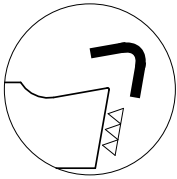
Plaquettes en métal dur

VHM-Wendeplatten

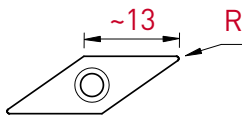
Solid carbide inserts

35°

VCGT-X20



**VCGT
ENP-X20**



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

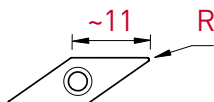
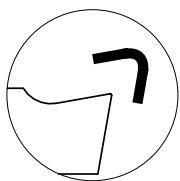
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

35°

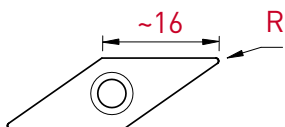
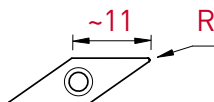
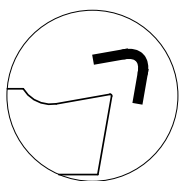
VCMT-XF3
VCMT-XF2



VCMT
EN-XF3

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

PVD	
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	

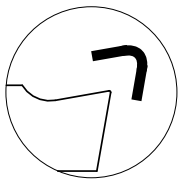
Plaquettes en métal dur

VHM-Wendeplatten

Solid carbide inserts

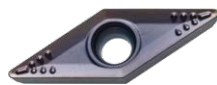
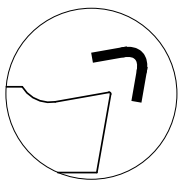
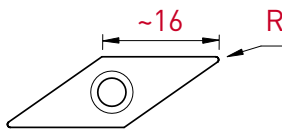
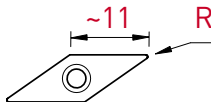
35°

VCMT-MF
VCMT-HF



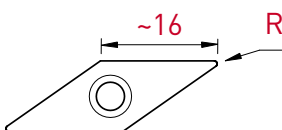
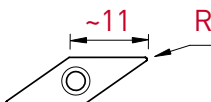
**VCMT
EN-MF**

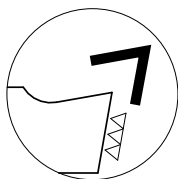
R	Art. N°	PVD	CVD
		☒ P ☒ M ☐ ☐	☒ P ☒ M ☐ ☐
		Tmax	Ti4
0.2	VCMT-110302-EN-MF	■	■
0.4	VCMT-110304-EN-MF	■	■
0.4	VCMT-160404-EN-MF	■	■



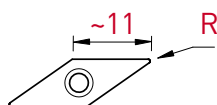
**VCMT
EN-HF**

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



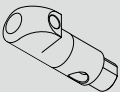
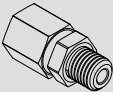
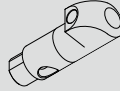
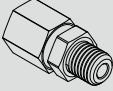
R	Art. N°	CERMET	
		PVD	non revêtu unbeschichtet uncoated
		☒ P ☒ M ☐	☒ P ☐ ☐ ☐
		CTA	CN6
0.05	VCGT-1103005-FN-X8	■	■
0.1	VCGT-110301-FN-X8	■	■
0.2	VCGT-110302-FN-X8	■	■
0.4	VCGT-110304-FN-X8	■	■

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°	Art. N°	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										

★★★★★

★★★★

★★★

[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	P Acier Stahl Steel						M 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
	Ti5	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	HTi5	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				

★★★★★

★★★★★

★★★

PERFORMANCE | PRECISION | RIGIDITY



SWISS MADE



APPLITEC
SWISS TOOLING

Applitec Moutier S.A.
Ch. Nicolas-Junker 2
CH-2740 Moutier

Tél. +41 32 494 60 20
Fax +41 32 493 42 60
www.applitec-tools.com