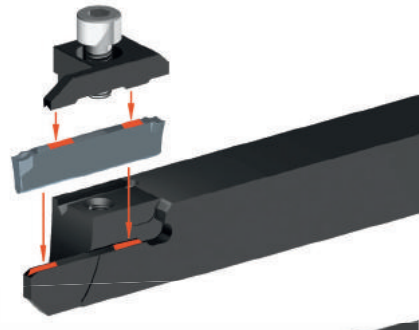
APPLITEC

Porte-outils / Halter / Holders

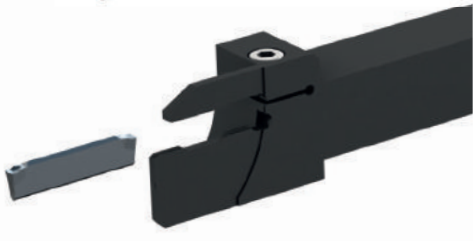
Very rigid clamping system!

H Système de serrage à bride, version courte
Spannbrücke Klemmsystem, kurze Ausführung
Independent top clamp system, short version

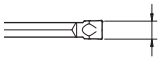
HX Système de serrage à bride, version longue
Spannbrücke Klemmsystem, lange Ausführung
Independent top clamp system, long version

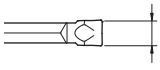


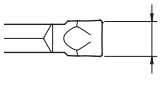
HZ Porte-outils de grande capacité
Klemmhalter für grössere Durchmesser
High capacity tool holders



Plaquettes / WSP / Inserts

CUT 16 =  1.6 mm **Ø max 20 mm**

CUT 22 =  2.2 mm **Ø max 42 mm**

CUT 31 =  3.1 mm **Ø max 65 mm**

U

P

T

G

Index

Nuances
Sorten
Grades

TiAlN
revêtement PVD
PVD Beschichtung
PVD coating

- pour l'usinage des aciers, aciers inoxydables et alliages de titane
- 1er choix pour les avances faibles à modérées

- für die Bearbeitung von Stahl, restfreiem Stahl und Titanlegierungen
- beste Wahl für niedrige bis mittlere Vorschübe

- for machining of steel, stainless steel and titanium alloys
- first choice for low to average cutting speed

Tmax
revêtement PVD
PVD Beschichtung
PVD coating

- nuance pour usinage moyen à lourd des aciers, aciers alliés et inoxydables
- bonne résistance aux températures d'usinage élevées
- 1er choix pour le tronçonnage des aciers au carbone et des aciers fortement alliés

- Sorte für mittlere bis hohe Belastung in Stahl und legierter Stahlbearbeitung
- gute Bearbeitungswarmfestigkeit
- für die Bearbeitung von legiertem Kohlenstahl und hoch legiertem Stahl bestens geeignet

- grade for medium to heavy machining of steel, stainless steel and alloyed steel
- high machining heat resistance
- first choice for the machining of carbon steel and high alloyed steel

Zmax
revêtement PVD
PVD Beschichtung
PVD coating

- pour l'usinage des aciers, aciers inoxydables et alliages de titane en conditions défavorables
- bonne résistance aux chocs à des vitesses de coupe moyenne à faible
- 1er choix pour le tronçonnage en coupe interrompue

- für die Bearbeitung von Stahl, rostfreiem Stahl und Titanlegierungen in schwierige Bearbeitungsfälle
- gute Bruchfestigkeit mit durchschnittliche bis niedrige Schnittgeschwindigkeit
- für die Bearbeitung in unterbrochenen Schnitte bestens geeignet

- for machining of steel, stainless steel and titanium alloys in unfavourable machining conditions
- good impact resistance with average to low cutting speed
- first choice for machining in interrupted cut

HTA
revêtement PVD
PVD Beschichtung
PVD coating

- très bonne résistance à l'usure
- pour le tronçonnage des aciers, aciers inoxydables et alliages de titane
- déconseillé en coupe interrompue

- sehr gute Verschleissfestigkeit
- für die Bearbeitung von Stahl, rostfreiem Stahl und Titanlegierung bestens geeignet
- für unterbrochene Schnitte ungeeignet

- very good wear resistance
- first choice for steel, stainless steel and titanium alloys machining
- not suitable for interrupted cut

AS
revêtement PVD
PVD Beschichtung
PVD coating

- nuance pour métaux non ferreux
- très faible coefficient de frottement
- 1er choix pour l'usinage des aluminiums jusqu'à 5% Si, des cuivres et titanes faiblement alliés

- Sorte für Nichteisenmetalle
- sehr geringer Reibwert
- für die Bearbeitung von Aluminium bis 5% Si, Kupfer und niedriglegiertem Titan bestens geeignet

- grade for non-ferrous materials
- very low friction ratio
- first choice for Aluminium up to 5% Si, copper and low alloyed titanium

N
non revêtu
unbeschichtet
uncoated

- nuance pour les laitons, pour la géométrie PNW et PRW

- Sorte für Messing, für PNW und PRW Geometrie

- grade for brass, for PNW and PRW geometry

Géométries de coupe
Spanformgeometrie
Cutting geometries

UN
UR
UL

- géométrie positive universelle, bonne maîtrise du copeau
- allgemeine Geometrie, sehr gute Spankontrolle
- all-round insert with efficient chip control

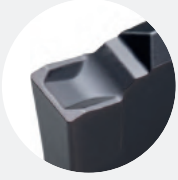
PN
PR

- géométrie légèrement positive pour les aciers, aciers au carbone, aciers alliés
- leicht positive Geometrie für Stahl, Kohlenstoffstahl, legiertem Stahl
- slightly positive geometry for steel, carbon steel, alloyed steel

PNW
PRW

- géométrie neutre pour les laitons
- neutrale Geometrie für Messinge
- neutral geometry for brasses

TN



- géométrie négative pour de fortes avances dans des conditions de rigidité favorable
- negative Geometrie für hohe Vorschübe in guten Stabilitätsfällen
- negative geometry for high feed rate in case of good stability

GN

- géométrie universelle pour fonçage-tournage, peut également être utilisée en tronçonnage
- allgemeine Geometrie zum einstechen-langdrehen, kann auch zum abstechen verwendet werden
- all-round insert for grooving and turning, can also be used for parting off

Paramètres de coupe indicatifs
Empfohlene Schnittwerte
Standard machining data

CUT 16

			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 Legierter Stahl High alloyed steel		Austénitique et martensitique Austenitisch und martensitisch Austenitic and 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)
Avance standard Standard Vorschub Standard feed rate	CUT16-UN-001	TiAlN	90-140	0.03-0.07	60-120	0.03-0.07	50-100	0.04-0.08	50-120	0.03-0.07
		Tmax	**100-170**	**0.03-0.07**	**70-150**	**0.03-0.07**	**60-120**	**0.04-0.08**	**60-150**	**0.03-0.07**
		Zmax	80-130*	0.04-0.10	50-110*	0.04-0.10	50-90*	0.04-0.08	**50-120***	**0.04-0.10**
		HTA	70-120	0.03-0.05	60-100	0.03-0.05	50-90	0.03-0.05	50-100	0.03-0.06
		AS								
	CUT16-PR-801	TiAlN	90-140	0.03-0.07	60-120	0.03-0.07	50-100	0.03-0.07	50-120	0.03-0.07
		Tmax	**100-170**	**0.03-0.07**	**70-150**	**0.03-0.07**	**60-120**	**0.03-0.07**	60-150	0.03-0.07
	CUT16-PRW-801	N								
Avance modérée ** Niedriger Vorschub ** Low feed rate	CUT16-UN-000F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	50-80	0.02-0.05
		AS								
	CUT16-UL/R-800F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	**50-80**	**0.02-0.05**
		AS								
	CUT16-UL/R-1500F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	**50-80**	**0.02-0.05**
		AS								

** arête de coupe vive ** scharfe Schneidkante ** sharp cutting edge

CUT 16

N – Alliages d'aluminium et non ferreux / Aluminium- und Nichteisenlegierungen / Aluminium and non-ferrous alloys								S – Titane / Titan / Titanium			
Aluminium		Alu silicium max. 5% / Aluminiumsilicium max. 5% / Aluminium silicon max. 5%		Cuivre / Kupfer / Copper		Laiton & bronze / Messing & Bronze / Brass & bronze		Gr. 1 - 3		Gr. 4 - 5	
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)
100-250	0.03-0.10	100-250	0.03-0.10	100-300	0.03-0.10	100-300	0.03-0.10			30-60	0.04-0.08
100-300	0.04-0.10	100-250	0.04-0.10	100-300	0.03-0.08	150-300	0.03-0.08			30-60	0.04-0.08
150-300	0.04-0.15	100-300	0.04-0.10	100-300	0.04-0.10	150-300	0.02-0.08	30-60	0.04-0.08	30-60	0.04-0.08
						150-300	0.03-0.10				
						100-500	0.02-0.10				
100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06

★★★★★ ★★★★ ★★★

Paramètres de coupe indicatifs
Empfohlene Schnittwerte
Standard machining data

CUT 22

			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 / Legierter Stahl / High alloyed steel		Austénitique et martensitique / Austenitisch und martensitisch / Austenitic and 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)
Avance standard / Standard Vorschub / Standard feed rate	CUT22-UN-002 CUT22-UR-802	TiAlN	90-140	0.04-0.08	60-120	0.04-0.08	50-100	0.04-0.08	50-120	0.04-0.08
		Tmax	100-170	0.04-0.08	70-150	0.04-0.08	60-120	0.04-0.08	60-150	0.04-0.08
		Zmax	80-130*	0.04-0.10	50-110*	0.04-0.10	50-90*	0.04-0.08	50-120*	0.04-0.10
		HTA	70-120	0.04-0.06	60-100	0.04-0.06	50-90	0.04-0.06	50-100	0.04-0.06
		AS								
	CUT22-PN-002	TiAlN	90-140	0.04-0.10	60-120	0.04-0.08	50-100	0.04-0.08		
		Tmax	100-170	0.04-0.10	70-150	0.04-0.10	60-120	0.04-0.10		
	CUT22-PNW-002	N								
	CUT22-PR-002	TiAlN	90-140	0.04-0.08	60-120	0.04-0.08	50-100	0.04-0.08	50-120	0.04-0.08
		Tmax	100-170	0.04-0.08	70-150	0.04-0.08	60-120	0.04-0.08	60-150	0.04-0.08
	CUT22-PRW-002	N								
	CUT22-TN-002	TiAlN	90-140	0.08-0.18	60-120	0.08-0.18	50-100	0.08-0.15	50-120	0.08-0.20
		Tmax	100-170	0.08-0.18	70-150	0.08-0.18	60-120	0.08-0.15	60-150	0.08-0.20
		Zmax	80-130*	0.08-0.18	50-110*	0.08-0.18	50-90*	0.08-0.15		
	CUT22-GN-002 ***	TiAlN	90-140	0.03-0.12	60-120	0.03-0.12	50-100	0.03-0.10	50-120	0.03-0.08
		Tmax	100-170	0.03-0.12	70-150	0.03-0.12	60-120	0.03-0.10	70-120	0.03-0.08
		AS								
Avance modérée ** / Niedriger Vorschub ** / Low feed rate	CUT22-UN-000F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	50-80	0.02-0.05
		AS								
	CUT22-UL/R-800F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	50-80	0.02-0.05
		AS								
	CUT22-UL/R-802F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	50-80	0.02-0.05
		AS								
	CUT22-UL/R-1500F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	50-80	0.02-0.05
		AS								

* premier choix en cas de coupe interrompue
** arête de coupe vive
*** géométrie fonçage-tournage (évent. tronçonnage)

* beste Basis für unterbrochene Schnitte
** scharfe Schneidkante
*** Geometrie zum einstechen und drehen (event. abstechen)

* first choice for interrupted cut
** sharp cutting edge
*** geometry for grooving and turning (event. parting off)

CUT 22

	N Alliages d'aluminium et non ferreux / Aluminium- und Nichteisenlegierungen / Aluminium and non-ferrous alloys								S Titane / Titan / Titanium			
	Aluminium		Alu silicium max. 5% / Aluminiumsilicium max. 5% / Aluminium silicon max. 5%		Cuivre / Kupfer / Copper		Laiton & bronze / Messing & Bronze / Brass & bronze		Gr. 1 - 3		Gr. 4 - 5	
	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)
	100-250	0.03-0.10	100-250	0.03-0.10	100-300	0.03-0.10	100-300	0.03-0.10			30-60	0.04-0.08
	100-300	0.04-0.10	100-250	0.04-0.10	100-300	0.03-0.08	150-300	0.03-0.08			30-60	0.04-0.08
	150-300	0.04-0.15	100-300	0.04-0.10	100-300	0.04-0.10	150-300	0.02-0.08	30-60	0.04-0.08	30-60	0.04-0.08
							150-300	0.03-0.10				
							100-500	0.02-0.10				
							150-300	0.03-0.10				
							100-500	0.02-0.10				
							150-300	0.05-0.20				
	100-300	0.03-0.12	100-200	0.03-0.10	100-200	0.03-0.10	100-300	0.03-0.12			30-60	0.04-0.08
							100-300	0.03-0.12				
	100-300	0.03-0.12	100-200	0.03-0.10	100-200	0.03-0.10	100-300	0.03-0.12	30-60	0.04-0.08	30-60	0.04-0.08
	100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
	100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
	100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06
	100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
	100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
	100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06
	100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
	100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
	100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06
	100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
	100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
	100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06

★★★★★ ★★★★ ★★★

Paramètres de coupe indicatifs
Empfohlene Schnittwerte
Standard machining data

CUT 31

			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 / Legierter Stahl / High alloyed steel		Austénitique et martensitique / Austenitisch und martensitisch / Austenitic and 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)
Avance standard / Standard Vorschub / Standard feed rate	CUT31-UN-002	TiAlN	90-140	0.04-0.08	60-120	0.04-0.08	50-100	0.04-0.08	50-120	0.04-0.10
		Tmax	100-170	0.04-0.08	70-150	0.04-0.08	60-120	0.04-0.08	60-150	0.04-0.10
		Zmax	80-130*	0.04-0.10	50-110*	0.04-0.10	50-90*	0.04-0.08	50-120*	0.04-0.10
		HTA	70-120	0.04-0.06	60-100	0.04-0.06	50-90	0.04-0.06	50-100	0.04-0.06
		AS								
	CUT31-PN-002	TiAlN	90-140	0.04-0.10	60-120	0.04-0.08	50-100	0.04-0.08		
		Tmax	100-170	0.04-0.10	70-150	0.04-0.10	60-120	0.04-0.10		
	CUT31-PNW-002	N								
	CUT31-PR-802	TiAlN	90-140	0.04-0.08	60-120	0.04-0.08	50-100	0.04-0.08	50-120	0.04-0.08
		Tmax	100-170	0.04-0.08	70-150	0.04-0.08	60-120	0.04-0.08	60-150	0.04-0.08
	CUT31-PRW-802	N								
	CUT31-TN-002	TiAlN	90-140	0.08-0.20	60-120	0.08-0.20	50-100	0.08-0.15	50-120	0.08-0.20
		Tmax	100-170	0.08-0.20	70-150	0.08-0.20	60-120	0.08-0.15	60-150	0.08-0.20
		Zmax	80-130*	0.08-0.20	50-110*	0.08-0.20	50-90*	0.08-0.15		
	CUT31-GN-002 ***	TiAlN	90-140	0.04-0.15	60-120	0.04-0.15	50-100	0.04-0.10	50-120	0.04-0.10
		Tmax	100-170	0.04-0.15	70-150	0.04-0.15	60-120	0.04-0.10	70-120	0.04-0.10
		AS								
Avance modérée ** / Niedriger Vorschub / Low feed rate	CUT31-UN-000F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	50-80	0.02-0.05
		AS								
	CUT31-UL/R-800F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	50-80	0.02-0.05
		AS								
	CUT31-UL/R-802F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	50-80	0.02-0.05
		AS								
	CUT31-UL/R-1500F	TiAlN	80-130	0.02-0.05	50-110	0.02-0.05	50-90	0.02-0.05	50-80	0.02-0.05
		HTA	60-100	0.01-0.04	50-90	0.01-0.04	50-80	0.02-0.05	50-80	0.02-0.05
		AS								

* premier choix en cas de coupe interrompue
** arête de coupe vive
*** géométrie fonçage-tournage (évent. tronçonnage)

* beste Basis für unterbrochene Schnitte
** scharfe Schneidkante
*** Geometrie zum einstechen und drehen (event. abstechen)

* first choice for interrupted cut
** sharp cutting edge
*** geometry for grooving and turning (event. parting off)

CUT 31

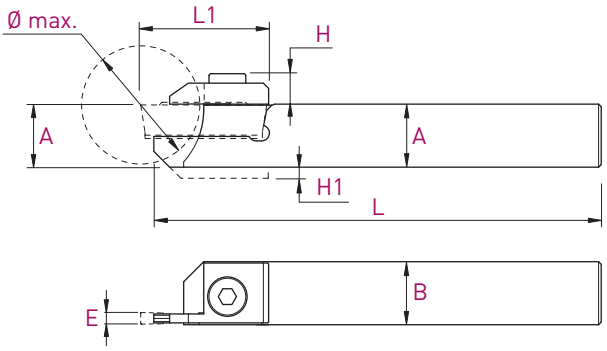
N Alliages d'aluminium et non ferreux Aluminium- und Nichteisenlegierungen Aluminium and non-ferrous alloys								S Titane Titan Titanium			
Aluminium		Alu silicium max. 5% Aluminiumsilicium max. 5% Aluminium silicon max. 5%		Cuivre Kupfer Copper		Laiton & bronze Messing & Bronze Brass & bronze		Gr. 1 - 3		Gr. 4 - 5	
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)
100-250	0.03-0.10	100-250	0.03-0.10	100-300	0.03-0.10	100-300	0.03-0.10			30-60	0.04-0.08
100-300	0.04-0.10	100-250	0.04-0.10	100-300	0.03-0.08	150-300	0.03-0.08			30-60	0.04-0.08
150-300	0.04-0.15	100-300	0.04-0.10	100-300	0.04-0.10	150-300	0.02-0.08	30-60	0.04-0.08	30-60	0.04-0.08
						150-300	0.03-0.10				
						100-500	0.02-0.15				
						150-300	0.03-0.10				
						100-500	0.02-0.15				
						150-300	0.05-0.20				
100-300	0.04-0.15	100-200	0.04-0.10	100-200	0.04-0.10	100-300	0.04-0.15			30-60	0.04-0.08
						100-300	0.04-0.15				
100-300	0.04-0.15	100-200	0.04-0.10	100-200	0.04-0.10	100-300	0.04-0.15	30-60	0.04-0.08	30-60	0.04-0.08
100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.01-0.04	100-250	0.01-0.04	100-300	0.02-0.05			30-60	0.01-0.04
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05			30-60	0.02-0.06
100-300	0.02-0.05	100-250	0.02-0.05	100-250	0.02-0.05	100-300	0.02-0.05	30-60	0.02-0.06	30-60	0.02-0.06

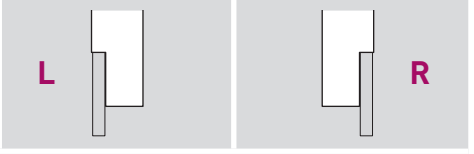
★★★★★ ★★★★ ★★★

Porte-outils
Halter
Holders

Ø max 34 mm

H Series





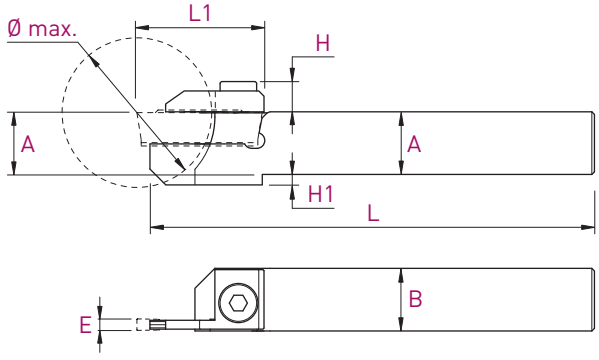
Plaquettes WSP Inserts	A x B	L	Ø max.	L1	H	H1	Art. N°	Art. N°
E 1.6 mm **Type** CUT16	8 x 10	115	16	19.5	6.2	2	**CUT16-H0810L**	**CUT16-H0810R**
	10 x 10	115	16	19.5	6.2	-	**CUT16-H1010L**	**CUT16-H1010R**
	12 x 12	130	16	19.5	6.2	-	**CUT16-H1212L**	**CUT16-H1212R**
	12 x 12	90	16	19.5	6.2	-	**CUT16-H1212L-90**	**CUT16-H1212R-90**
	12.7 x 12.7	130	16	19.5	6.2	-	**CUT16-H127127L**	**CUT16-H127127R**
	16 x 16	130	16	19.5	6.2	-	**CUT16-H1616L**	**CUT16-H1616R**
	20 x 20	120	16	19.5	6.2	-	**CUT16-H2020L**	**CUT16-H2020R**
E 2.2 mm **Type** CUT22	10 x 12	115	20	24	6.4	-	**CUT22-H1012L**	**CUT22-H1012R**
	12 x 12	130	20	24	6.4	-	**CUT22-H1212L**	**CUT22-H1212R**
	12 x 12	90	20	24	6.4	-	**CUT22-H1212L-90**	**CUT22-H1212R-90**
	12.7 x 12.7	130	20	24	6.4	-	**CUT22-H127127L**	**CUT22-H127127R**
	16 x 16	130	20	24	6.4	-	**CUT22-H1616L**	**CUT22-H1616R**
	20 x 20	120	20	24	6.4	-	**CUT22-H2020L**	**CUT22-H2020R**
E 3.1 mm **Type** CUT31	16 x 16	130	34	35	7.8	-	**CUT31-H1616L**	**CUT31-H1616R**
	20 x 20	120	34	35	7.8	-	**CUT31-H2020L**	**CUT31-H2020R**
	25 x 25	140	34	35	7.8	-	**CUT31-H2525L**	**CUT31-H2525R**

Pièces de rechange Ersatzteile Spare parts	L	R		Serrage Anzug Torque
	Art. N°	**Art. N°**	**Art. N°**	
CUT 16	**CUT16L-SET**	**CUT16R-SET**	**V-M4X10-BN7**	3.5 Nm
CUT 22	**CUT22L-SET**	**CUT22R-SET**	**V-M4X10-BN7**	3.5 Nm
CUT 31	**CUT31L-SET**	**CUT31R-SET**	**V-M5X10-BN7**	4.5 Nm

Porte-outils
Halter
Holders

Ø max 42 mm

HX Series



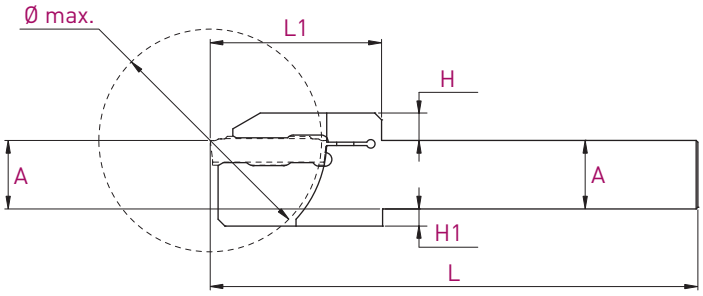
Plaquettes WSP Inserts	A x B	L	Ø max.	L1	H	H1	L Art. N°	R Art. N°
E 1.6 mm **Type** CUT16	10 x 12	115	20	21	6.2	2	**CUT16-H1012LX**	**CUT16-H1012RX**
	12 x 12	130	20	21	6.2	-	**CUT16-H1212LX**	**CUT16-H1212RX**
	12 x 12	90	20	21	6.2	-	**CUT16-H1212LX-90**	**CUT16-H1212RX-90**
	12.7 x 12.7	130	20	21	6.2	-	**CUT16-H127127LX**	**CUT16-H127127RX**
	16 x 16	130	20	21	6.2	-	**CUT16-H1616LX**	**CUT16-H1616RX**
	20 x 20	120	20	21	6.2	-	**CUT16-H2020LX**	**CUT16-H2020RX**
E 2.2 mm **Type** CUT22	10 x 12	115	26	25	6.4	4	**CUT22-H1012LX**	**CUT22-H1012RX**
	12 x 12	130	26	25	6.4	2	**CUT22-H1212LX**	**CUT22-H1212RX**
	12 x 12	90	26	25	6.4	2	**CUT22-H1212LX-90**	**CUT22-H1212RX-90**
	12.7 x 12.7	130	26	25	6.4	-	**CUT22-H127127LX**	**CUT22-H127127RX**
	16 x 16	130	26	25	6.4	-	**CUT22-H1616LX**	**CUT22-H1616RX**
	20 x 20	120	26	25	6.4	-	**CUT22-H2020LX**	**CUT22-H2020RX**
	25 x 25	140	26	25	6.4	-	**CUT22-H2525LX**	**CUT22-H2525RX**
E 3.1 mm **Type** CUT31	16 x 16	120	42	37	7.8	4	**CUT31-H1616LX**	**CUT31-H1616RX**
	20 x 20	120	42	37	7.8	-	**CUT31-H2020LX**	**CUT31-H2020RX**
	25 x 25	140	42	37	7.8	-	**CUT31-H2525LX**	**CUT31-H2525RX**

Pièces de rechange Ersatzteile Spare parts	L Art. N°	R Art. N°	Art. N°	Serrage Anzug Torque
CUT 16	**CUT16LX-SET**	**CUT16RX-SET**	**V-M4X10-BN7**	3.5 Nm
CUT 22	**CUT22LX-SET**	**CUT22RX-SET**	**V-M4X10-BN7**	3.5 Nm
CUT 31	**CUT31LX-SET**	**CUT31RX-SET**	**V-M5X10-BN7**	4.5 Nm

Porte-outils
Halter
Holders

Ø max 65 mm

HZ Series

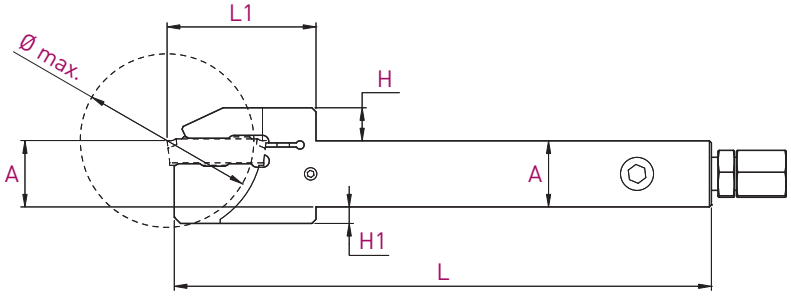


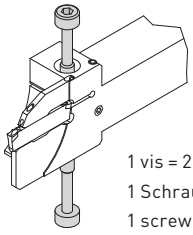
Plaquettes WSP Inserts	A x B	L	Ø max.	L1	H	H1	L Art. N°	R Art. N°
E 2.2 mm **Type** CUT22	16 x 16	130	32	30	7	-	**CUT22-H1616LZ-D32**	**CUT22-H1616RZ-D32**
	20 x 20	130	32	30	7	-	**CUT22-H2020LZ-D32**	**CUT22-H2020RZ-D32**
	16 x 16	130	42	35	7	4	**CUT22-H1616LZ-D42**	**CUT22-H1616RZ-D42**
	20 x 20	130	42	35	7	-	**CUT22-H2020LZ-D42**	**CUT22-H2020RZ-D42**
E 3.1 mm **Type** CUT31	20 x 20	140	52	44	8	5	**CUT31-H2020LZ-D52**	**CUT31-H2020RZ-D52**
	25 x 25	140	52	44	8	-	**CUT31-H2525LZ-D52**	**CUT31-H2525RZ-D52**
	20 x 20	140	65	50	8	5	**CUT31-H2020LZ-D65**	**CUT31-H2020RZ-D65**
	25 x 25	140	65	50	8	-	**CUT31-H2525LZ-D65**	**CUT31-H2525RZ-D65**

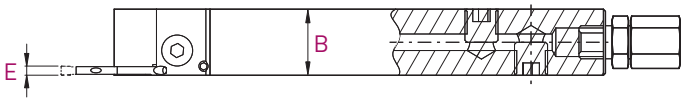
Pièces de rechange Ersatzteile Spare parts	Art. N°	Serrage Anzug Torque
CUT 22	**V-M4X10-BN7**	3.5 Nm
CUT 31	**V-M5X10-BN7**	4.5 Nm

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

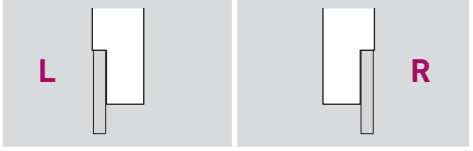
HZ-JET Series



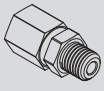




1 vis = 2 possibilités de serrage
1 Schraube = 2 Spannmöglichkeiten
1 screw = 2 clamp possibilities

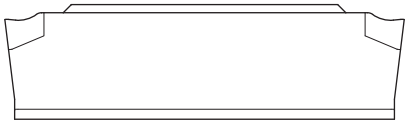


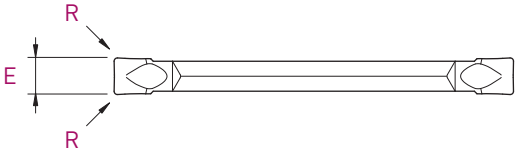
Plaquettes WSP Inserts	A x B	L	Ø max.	L1	H	H1	Art. N°	Art. N°
E 2.2 mm **Type** CUT22	16 x 16	130	42	36	8	4	**CUT22-H1616LZ-JET42**	**CUT22-H1616RZ-JET42**
	20 x 20	130	42	36	8	-	**CUT22-H2020LZ-JET42**	**CUT22-H2020RZ-JET42**
E 3.1 mm **Type** CUT31	16 x 16	140	65	49	9	9	**CUT31-H1616LZ-JET65**	**CUT31-H1616RZ-JET65**
	20 x 20	140	65	51	9	5	**CUT31-H2020LZ-JET65**	**CUT31-H2020RZ-JET65**
	25 x 25	140	65	51	9	-	**CUT31-H2525LZ-JET65**	**CUT31-H2525RZ-JET65**

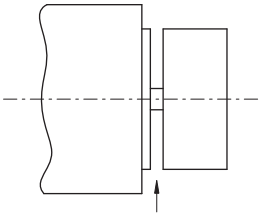
Pièces de rechange Ersatzteile Spare parts		Serrage Anzug Torque		
	Art. N°		**Art. N°**	**Art. N°**
CUT 22	**V-M4X22-CUT**	3.5 Nm	**J-M8X1-D6**	**JB-M8X1**
CUT 31	**V-M5X25-CUT**	4.5 Nm	**J-M8X1-D6**	**JB-M8X1**

Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts

UN Series





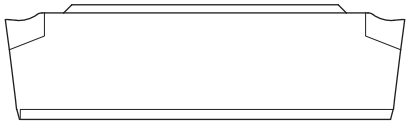


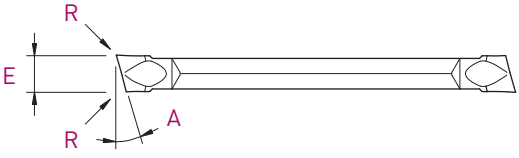
UN

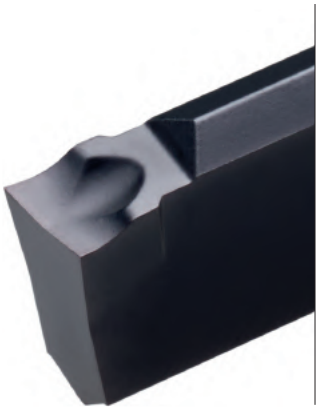
Type	E ±0.1	R	Art. N°	TiAlN	Tmax	Zmax	HTA	AS
CUT16	1.6	0.02	CUT16-UN-000F	■			■	■
	1.6	0.10	CUT16-UN-001	■	■	■	■	■
CUT22	2.2	0.02	CUT22-UN-000F	■			■	■
	2.2	0.20	CUT22-UN-002	■	■	■	■	■
CUT31	3.1	0.02	CUT31-UN-000F	■			■	■
	3.1	0.20	CUT31-UN-002	■	■	■	■	■

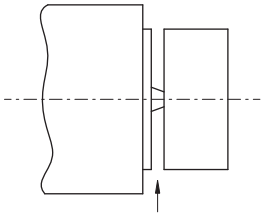
Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts

UL-UR Series







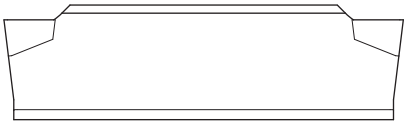


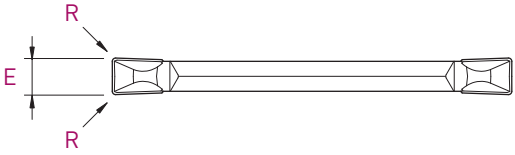
Type	E ±0.1	A	R	UL Art. N°	TiAlN	HTA	AS	UR Art. N°	TiAlN	Tmax	Zmax	HTA	AS
CUT16	1.6	8°	0.02	CUT16-UL-800F	■	■	■	CUT16-UR-800F	■			■	■
	1.6	15°	0.02	CUT16-UL-1500F	■	■	■	CUT16-UR-1500F	■			■	■
CUT22	2.2	8°	0.02	CUT22-UL-800F	■	■	■	CUT22-UR-800F	■			■	■
	2.2	8°	0.20	–				CUT22-UR-802		■	■		
	2.2	8°	0.20	CUT22-UL-802F	■	■	■	CUT22-UR-802F	■			■	■
	2.2	15°	0.02	CUT22-UL-1500F	■	■	■	CUT22-UR-1500F	■			■	■
CUT31	3.1	8°	0.02	CUT31-UL-800F	■	■	■	CUT31-UR-800F	■			■	■
	3.1	8°	0.20	CUT31-UL-802F	■	■	■	CUT31-UR-802F	■			■	■
	3.1	15°	0.02	CUT31-UL-1500F	■	■	■	CUT31-UR-1500F	■			■	■

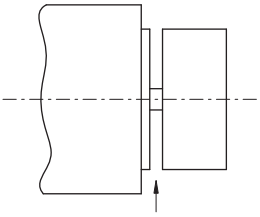
■ = disponible / verfügbar / available

Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts

PN Series



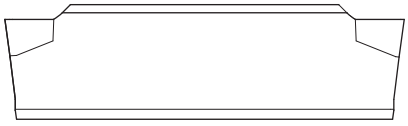


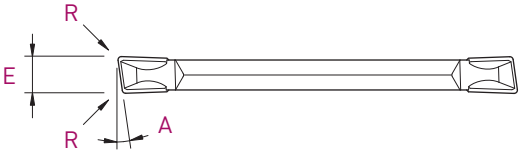


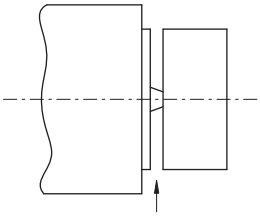
Type	E ±0.1	R	Art. N°	TiAlN	Tmax
CUT22	2.2	0.20	CUT22-PN-002	■	■
CUT31	3.1	0.20	CUT31-PN-002	■	■

Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts

PR Series







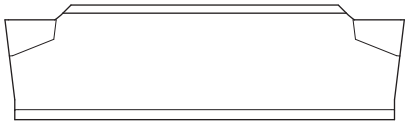
PR

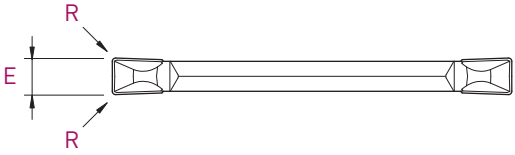
Type	E ±0.1	A	R	Art. N°	TiAlN	Tmax
CUT16	1.6	8°	0.10	CUT16-PR-801	■	■
CUT22	2.2	8°	0.20	CUT22-PR-802	■	■
CUT31	3.1	8°	0.20	CUT31-PR-802	■	■

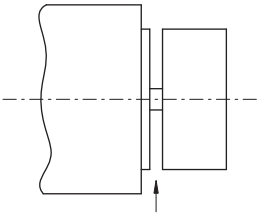
■ = disponible / verfügbar / available

Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts

PNW Series





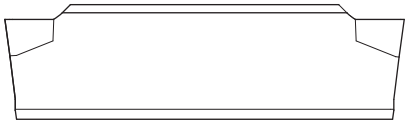


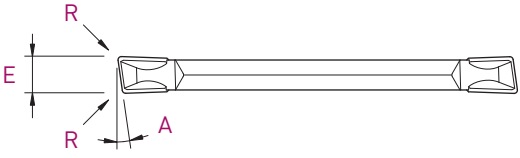
PNW

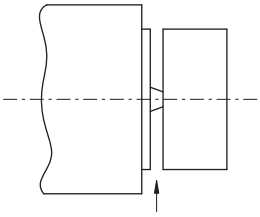
Type	E ±0.1	R	Art. N°	z
CUT22	2.2	0.20	CUT22-PNW-002	■
CUT31	3.1	0.20	CUT31-PNW-002	■

Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts

PRW Series







PRW

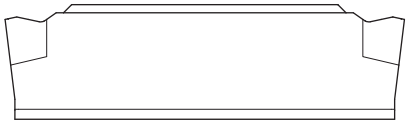
Type	E ±0.1	A	R	Art. N°	Z
CUT16	1.6	8°	0.10	CUT16-PRW-801	■
CUT22	2.2	8°	0.20	CUT22-PRW-802	■
CUT31	3.1	8°	0.20	CUT31-PRW-802	■

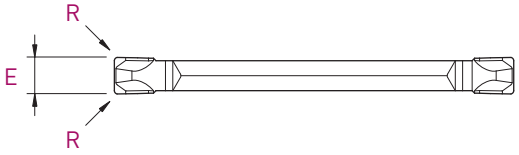
■ = disponible / verfügbar / available

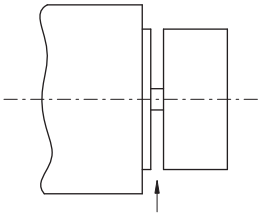
Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts

Negative geometry

TN Series





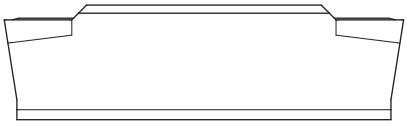


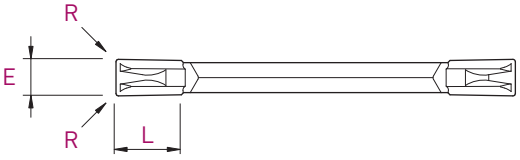
TN

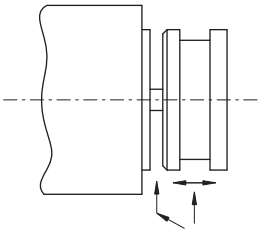
Type	E ±0.1	R	Art. N°	TiAlN	Tmax	Zmax
CUT22	2.2	0.20	CUT22-TN-002	■	■	■
CUT31	3.1	0.20	CUT31-TN-002	■	■	■

Plaquettes de fonçage, tournage et tronçonnage
WSP zum einstechen, drehen und abstechen
Solid carbide inserts for grooving, turning and cut off

GN Series

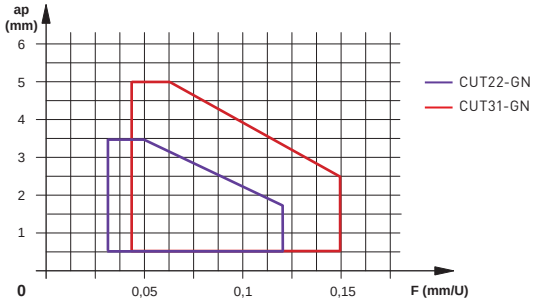


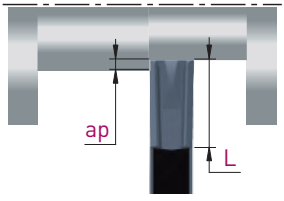




Type	E ±0.1	L	R	Art. N°	TiAlN	Tmax	AS
				GN			
CUT22	2.2	3.5	0.15	CUT22-GN-002	■	■	■
CUT31	3.1	5.0	0.15	CUT31-GN-002	■	■	■

Conseils d'utilisation pour plaquettes type GN
Anwendungsempfehlungen für GN-Wendeplatten
Application recommendations for GN inserts





ap max = T dans matière à bonne usinabilité
ap max = T in Werkstoffe mit gute Zerspanbarkeit
ap max = T in material with good machinability

■ = disponible / verfügbar / available