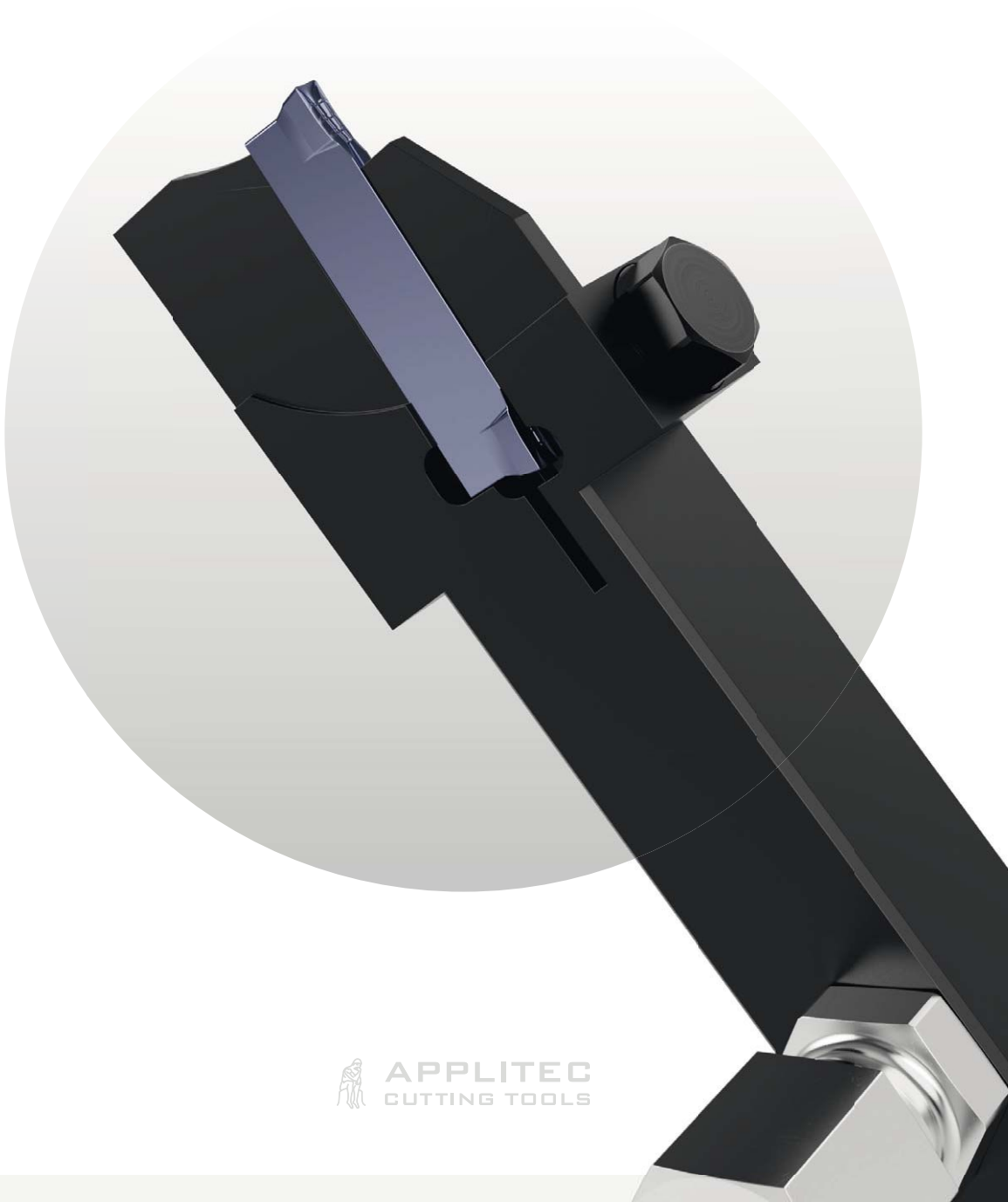


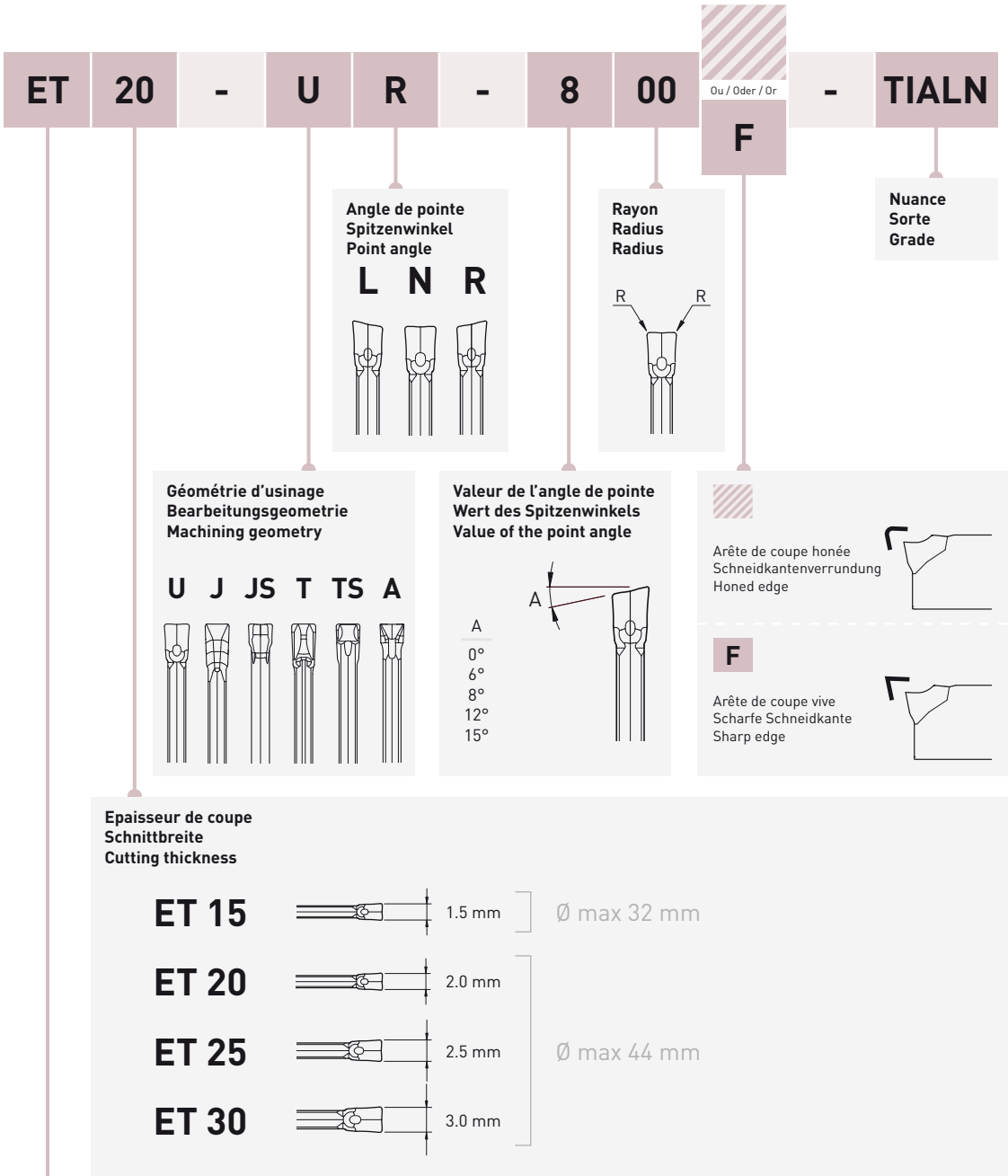
EVO CUT-Line



APPLITEC
CUTTING TOOLS

Index

Codification Kodifizierung Coding guide			> 10.03
Infos et avantages Infos und Vorteile Infos and advantages			> 10.04
Géométries de coupe Spanformgeometrie Cutting geometries			> 10.07
Nuances Sorten Grades			> 10.08
Paramètres de coupe indicatifs Empfohlene Schnittwerte Standard machining data			> 10.10
Porte-outils Halter Holders	H	without coolant	> 10.12
	H JET	with coolant	> 10.13
	H-HM-JET	with coolant	> 10.14
	GWS	Interface Göldenbodt	> 10.15
	MS	Interface Index	> 10.19
	HSK-JET	with coolant	> 10.20
Lames Stecklingen Blades	HM-HK-HUK		> 10.21
Plaquettes de tronçonnage Abstechwendeplatten Cut off inserts	U	positive geometry	> 10.26
	J	universal geometry	> 10.28
	JS	universal geometry	> 10.30
	T	negative geometry	> 10.31
	TS	negative geometry	> 10.33
	A	strongly positive geometry	> 10.34



EVOCUT-Line

Infos et avantages

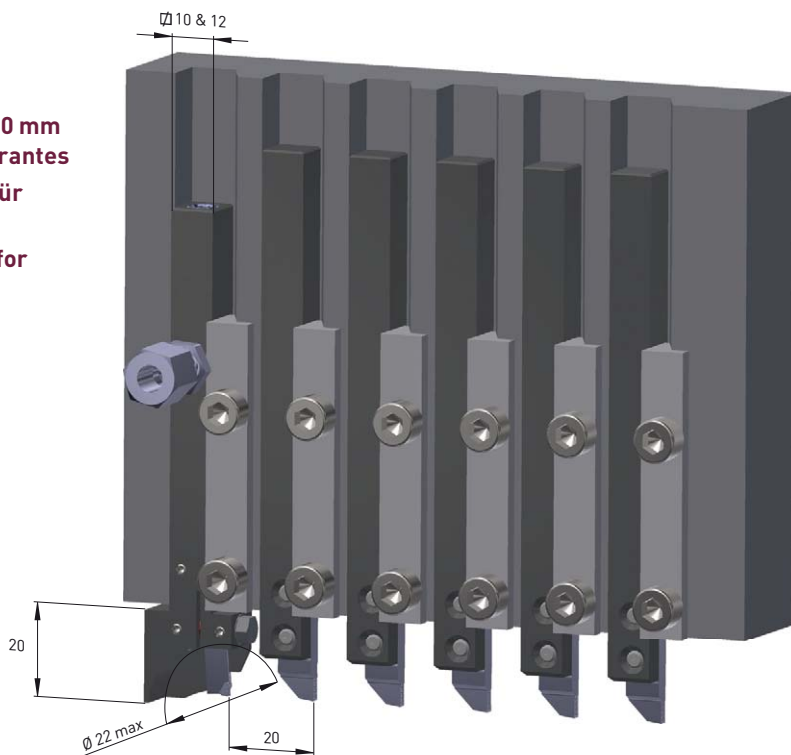
Infos und Vorteile

Infos and advantages

**Compact : seulement 20 mm
pour les machines courantes**

**Kompakt : nur 20 mm für
übliche Maschinen**

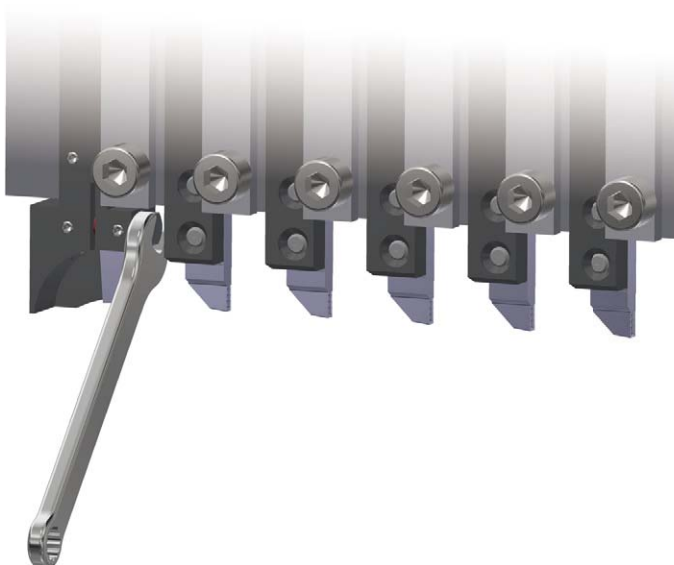
**Compact : only 20 mm for
current machines**



Facilité d'accès

Zugangsleichtigkeit

Excellent accessibility



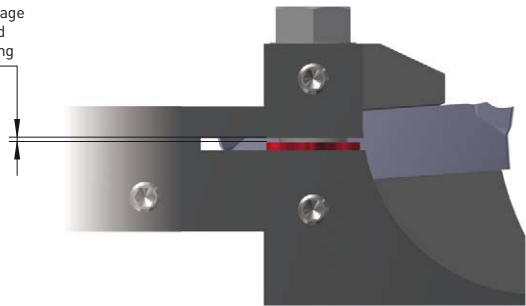
**Changement de la plaque
sans démontage**

**Veränderung der Platte
ohne Zerlegung**

**Change of insert
without disassembly**

Butée de serrage
Spannungs-Anschlag
Clamping stop

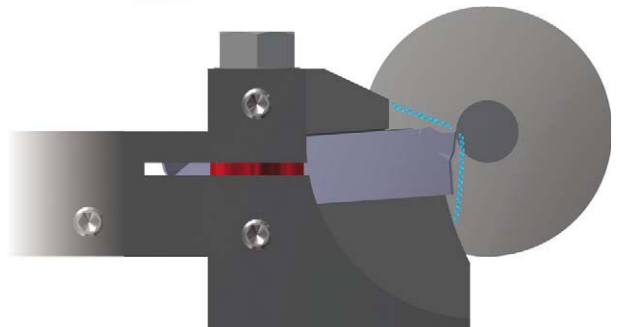
Distance de serrage
Anschlagabstand
Distance clamping



Recommandations de serrage :
n'utiliser que la clé fournie
Spannungsempfehlungen :
nur den gelieferten Schlüssel benutzen
Tightening recommendation :
only use the delivered key



Support JET à double lubrification
JET Halter mit doppeltem Schmierung
Jet holder with double lubrication



EVOCUT-Line

Infos et avantages

Infos und Vorteile

Infos and advantages

Porte-outils / Halter / Holders

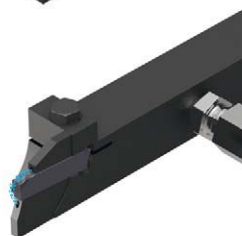
H

Système de serrage monobloc
Einteiliges Klemmsystem
Monobloc top clamp system



H JET

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



**H-HM-JET
GWS-HM
MS-HM
HSK**

Porte-lames avec arrosage
Halter für Stechklinge mit Kühlung
Holder for parting-off blades with coolant



**HM
HK
HUK**

Lames
Stechklinge
Parting-off blades

Plaquettes / WSP / Inserts



U



J



JS



T



TS



A

UN

UL UR



- géométrie positive universelle, faibles efforts de coupe
- bonne maîtrise du copeau
- 1^{er} choix pour l'inox
- allgemeine Geometrie, geringe Schnittkräfte
- gute Spankontrolle
- 1. Wahl für rostfreiem Stahl
- all-round geometry, low cutting forces
- efficient chip control
- 1st choice for stainless steel

JN

JR



- géométrie universelle
- excellent rétrécissement du copeau pour un meilleur contrôle
- conseillé pour le tronçonnage de pièces à parois minces
- pour acier et inox
- allgemeine Geometrie
- ausgezeichnete Spanversmälnerung für eine bessere Spankontrolle
- für abstechen von dünnwandigen Teilen empfohlen
- für Stahl und rostfreiem Stahl
- all-round geometry
- very efficient arrow for a better chip control
- recommended for parting off of thin-walled parts
- for steel and stainless steel

JSN



- géométrie spéciale et étroite pour un meilleur contrôle du copeau
- recommandé pour l'acier avec faible taux de carbone, alliages Chrome nickel et acier 100Cr6
- spezielle und schmale Geometrie für eine bessere Spankontrolle
- empfohlen für Stahl mit niedrigem Kohlenstoffgehalt sowie Chrom-Nickel-Legierungen und 100Cr6-Stahl
- special and narrow geometry for better chip control
- recommended for low-carbon steel, chrome-nickel alloys and 100Cr6 steel

TN

TR



- géométrie négative
- utilisation dans des conditions de rigidité optimale
- pour les matières à haute ténacité
- universel pour les aciers et inox
- negative Geometrie
- bei stabilen Verhältnissen einsetzbar
- für hohe widerstandsfähige Rohstoffe
- allgemein für Stahl und rostfreiem Stahl
- negative geometry
- use in solid cutting conditions
- for high toughness material
- universal for steel and stainless steel

TSN



- géométrie négative similaire à TN pour avances modérées depuis 0.05mm/t
- conseillé pour les matières tenaces aciers et inox
- negative Geometrie ähnlich wie TN für moderate Vorschübe ab 0,05 mm/U
- Empfohlen für zähe Werkstoffe, Stahl und rostfreien Stahl
- negative geometry similar to TN for moderate feeds from 0.05 mm/rev
- recommended for tough materials, steel, and stainless steel

AN

AR



- géométrie fortement positive
- roule-copeaux poli avec arêtes de coupe vives
- 1^{er} choix pour aluminium et matériaux non ferreux
- stark positive Geometrie
- geschliffene Spanrolle mit scharfe Schneidkanten
- 1. Wahl für Aluminium und Nichteisenmetalle
- very positive geometry
- polished chip roller with sharp cutting edge
- 1st choice for aluminium and non-ferrous materials

EVOCUT-Line

Nuances

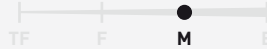
Sorten

Grades

TiAlN



Revêtement PVD
PVD Beschichtung
PVD coating



P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★

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

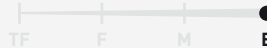
- für die Bearbeitung von Stahl, rostfreien Stahl und Titanlegierungen
- erste Wahl für niedrige bis mittlere Vorschübe

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

Tmax



Revêtement PVD
PVD Beschichtung
PVD coating



P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★

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

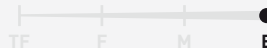
- Sorte für mittlere bis hohe Belastung in Stahl und legierter Stahlbearbeitung
- gute Bearbeitungswarmfestigkeit
- erste Wahl für die Bearbeitung von legiertem Kohlenstahl und hoch legiertem Stahl

- 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



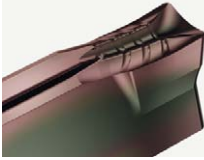
P	★★★★★
M	★★★★★
N	★★★★★
S	★★★★★

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

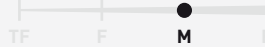
- für die Bearbeitung von Stahl, rostfreiem Stahl und Titanlegierungen in schwierige Bearbeitungsfälle
- gute Bruchfestigkeit mit durchschnittliche bis niedrige Schnittgeschwindigkeit
- erste Wahl für die Bearbeitung in unterbrochenen Schnitte

- 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

ZTi6



Revêtement CVD CVD Beschichtung CVD coating



- nuance très tenace
- grande résistance à la température
- 1^{er} choix pour les aciers « haute température »
- également recommandé pour les aciers inox

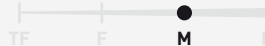
- sehr zähe Sorte
- hohe Bearbeitungswarmfestigkeit
- erste Wahl für „hohe Temperatur“ Stähle
- auch für rostfreie Stähle empfohlen

- very strong grade
- good wear resistance
- first choice for "high temperature" steels
- also recommended for stainless steels

AC



Revêtement PVD PVD Beschichtung PVD coating



- nuance pour métaux non ferreux
- très faible coefficient de frottement
- 1^{er} choix pour l'usinage des aluminiums, des cuivres et titanes faiblement alliés

- Sorte für Nichteisenmetalle
- sehr geringer Reibwert
- erste Wahl für die Bearbeitung von Aluminium, Kupfer und niedriglegiertem Titan

- grade for non-ferrous materials
- very low friction ratio
- first choice for Aluminium, copper and low alloyed titanium

N



Non revêtu Unbeschichtet Uncoated



- nuance non revêtue
- recommandé pour l'usinage des matières non ferreuses
- titane, laiton, cuivre, aluminium sans silicium, plastique

- unbeschichtete Sorte
- für die Bearbeitung von Nichteisenmetalle empfohlen
- Titan, Messing, Kupfer, Silicium freies Aluminium, Kunststoff

- uncoated grade
- recommended for machining of non-ferrous materials
- titanium, brass, bronze, aluminium without silicium, plastic

EVOCUT-Line

Paramètres de coupe indicatifs

Empfohlene Schnittwerte

Standard machining data

★★★★★

★★★★

★★★

						Acier Stahl Steel						Inox Rostfreistahl Stainless steel	
		ET15	ET20	ET25	ET30	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 Austenitic and martensitic Austenitic and martensitic	
		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	 UN	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*	0.04-0.10	50-120*	0.04-0.10
		ZTi6		●	●	110-200	0.04-0.08	80-160	0.04-0.08	70-140	0.04-0.08	70-160	0.04-0.08
	 UR	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*	0.04-0.10	50-120*	0.04-0.10
		ZTi6		●	●	110-200	0.04-0.08	80-160	0.04-0.08	70-140	0.04-0.08	70-160	0.04-0.08
	 JN	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*	0.04-0.10	50-120*	0.04-0.10
		ZTi6		●	●	110-200	0.04-0.08	80-160	0.04-0.08	70-140	0.04-0.08	70-160	0.04-0.08
	 JR	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*	0.04-0.10	50-120*	0.04-0.10
	 JSN	Tmax		●		80-150	0.02-0.1	80-170	0.02-0.1	50-120	0.02-0.1	50-120	0.02-0.1
		Zmax		●		80-130*	0.04-0.10	50-110*	0.04-0.10	50-90*	0.04-0.10	50-120*	0.04-0.10
	 TN	TiAlN		●	●	90-150	0.08-0.18	70-130	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	50-120*	0.08-0.20
		ZTi6		●	●	110-200	0.08-0.18	80-160	0.08-0.18	70-140	0.08-0.15	70-160	0.08-0.20
	 TR	TiAlN		●	●	90-150	0.08-0.18	70-130	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	50-120*	0.08-0.20
		ZTi6			●	110-200	0.08-0.18	80-160	0.08-0.18	70-140	0.08-0.15	70-160	0.08-0.20
	 TSN	Tmax		●		80-150	0.05-0.15	80-170	0.05-0.15	50-120	0.05-0.15	50-120	0.05-0.15
		Zmax		●		80-130	0.05-0.15	80-150	0.05-0.15	50-100	0.05-0.15	50-100	0.05-0.15
Avance modérée Niedriger Vorschub Low feed rate	 UN-000F	TiAlN	●	●	●	80-120	0.02-0.05	50-100	0.02-0.05	40-80	0.02-0.05	40-100	0.02-0.05
		Zmax		●		80-130*	0.04-0.10	50-110*	0.04-0.10	50-90*	0.04-0.10	50-120*	0.04-0.10
	 UR/ULF	TiAlN	●	●	●	80-120	0.02-0.05	50-100	0.02-0.05	40-80	0.02-0.05	40-100	0.02-0.05
		Zmax		●		80-130*	0.04-0.10	50-110*	0.04-0.10	50-90*	0.04-0.10	50-120*	0.04-0.10
	 ANF	N		●	●								
		TiAlN		●	●							40-80	0.02-0.05
		AC		●	●								
	 ARF	N		●	●								
		TiAlN		●	●							40-80	0.02-0.05
		AC		●	●								

* premier choix en cas de coupe interrompue

** arête de coupe vive

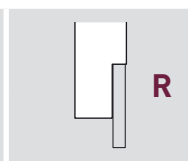
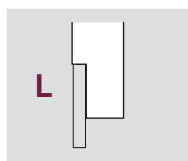
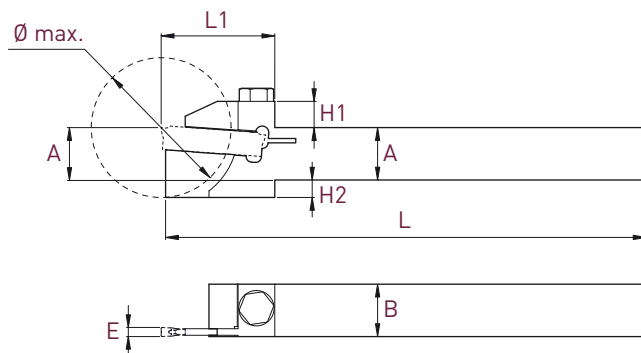
* erste Wahl für unterbrochener Schnitt

** scharfe Schneidkante

* first choice for interrupted cut

** sharp cutting edge

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			50-100	0.04-0.08
100-250	0.03-0.10	100-250	0.03-0.10	100-300	0.03-0.10	100-300	0.03-0.10			50-100	0.04-0.08
100-250	0.03-0.10	100-250	0.03-0.10	100-300	0.03-0.10	100-300	0.03-0.10			50-100	0.04-0.08
100-250	0.03-0.10	100-250	0.03-0.10	100-300	0.03-0.10	100-300	0.03-0.10			50-100	0.04-0.08
100-250	0.03-0.10	100-250	0.03-0.10	100-300	0.03-0.10	100-300	0.03-0.10			50-100	0.04-0.08
100-300	0.02-0.1	100-300	0.02-0.1	100-300	0.02-0.1	100-300	0.02-0.1	50-120	0.02-0.1	30-50	0.02-0.1
						150-300	0.05-0.20				
						150-300	0.05-0.20				
						100-300	0.05-0.15				
100-300	0.02-0.06	100-200	0.01-0.05	100-250	0.01-0.05	100-300	0.02-0.06			50-100	0.01-0.06
100-300	0.02-0.06	100-200	0.01-0.05	100-250	0.01-0.05	100-300	0.02-0.06			50-100	0.01-0.06
80-200	0.02-0.06			80-200	0.01-0.05	80-200	0.02-0.06	50-100	0.01-0.06	50-100	0.01-0.06
100-250	0.02-0.06	80-150	0.01-0.05	100-200	0.01-0.05	80-200	0.02-0.06			30-80	0.01-0.06
100-300	0.02-0.06	100-200	0.01-0.05	100-250	0.01-0.05	100-300	0.02-0.06	50-120	0.01-0.06	50-120	0.01-0.06
80-200	0.02-0.06			80-200	0.01-0.05	80-200	0.02-0.06	50-100	0.01-0.06	50-100	0.01-0.06
100-250	0.02-0.06	80-150	0.01-0.05	100-200	0.01-0.05	80-200	0.02-0.06			30-80	0.01-0.06
100-300	0.02-0.06	100-200	0.01-0.05	100-250	0.01-0.05	100-300	0.02-0.06	50-120	0.01-0.06	50-120	0.01-0.06



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



Plaquettes WSP Inserts	A x B	L	Ø max.	L1	H1	H2	Art. N°	Art. N°	Art. N°	Art. N°
E 1.5 Type ET15	10x12	110	22	20	5	6	ET15-H1012L-D22	ET15-H1012R-D22	V-M5X20-6P6	C-6PEX-6.0
	12x12	110	22	20	5	4	ET15-H1212L-D22	ET15-H1212R-D22		
	12.7x12.7	110	22	20	5	3	ET15-H12.7L-D22	ET15-H12.7R-D22		
	12x12	110	32	26	6	4	ET15-H1212L-D32	ET15-H1212R-D32	V-M5X21-6P7	C-6PEX-7.0
	12.7x12.7	110	32	26	6	3	ET15-H12.7L-D32	ET15-H12.7R-D32		
	16x16	110	32	26	6	-	ET15-H1616L-D32	ET15-H1616R-D32		
E 2.0 Type ET20	10x12	110	22	20	5	6	ET20-H1012L-D22	ET20-H1012R-D22	V-M5X20-6P6	C-6PEX-6.0
	12x12	110	22	20	5	4	ET20-H1212L-D22	ET20-H1212R-D22		
	12.7x12.7	110	22	20	5	3	ET20-H12.7L-D22	ET20-H12.7R-D22		
	12x12	110	32	26	6	4	ET20-H1212L-D32	ET20-H1212R-D32	V-M5X21-6P7	C-6PEX-7.0
	12.7x12.7	110	32	26	6	3	ET20-H12.7L-D32	ET20-H12.7R-D32		
	16x16	110	32	26	6	-	ET20-H1616L-D32	ET20-H1616R-D32		
E 2.5 Type ET25	10x12	110	22	20	5	6	ET25-H1012L-D22	ET25-H1012R-D22	V-M5X20-6P6	C-6PEX-6.0
	12x12	110	22	20	5	4	ET25-H1212L-D22	ET25-H1212R-D22		
	12.7x12.7	110	22	20	5	3	ET25-H12.7L-D22	ET25-H12.7R-D22		
	12x12	110	32	26	6	4	ET25-H1212L-D32	ET25-H1212R-D32	V-M5X21-6P7	C-6PEX-7.0
	12.7x12.7	110	32	26	6	3	ET25-H12.7L-D32	ET25-H12.7R-D32		
	16x16	110	32	26	6	-	ET25-H1616L-D32	ET25-H1616R-D32		
E 3.0 Type ET30	16x16	110	32	26	6	-	ET25-H1616L-D44	ET25-H1616R-D44	V-M5X27-6P7	C-6PEX-7.0
	20x20	130	44	35	8	4	ET25-H1616L-D44	ET25-H1616R-D44		
	20x20	130	44	35	8	-	ET25-H2020L-D44	ET25-H2020R-D44		
	12.7x12.7	110	32	26	6	3	ET30-H12.7L-D32	ET30-H12.7R-D32	V-M5X21-6P7	C-6PEX-7.0
	16x16	110	32	26	6	-	ET30-H1616L-D32	ET30-H1616R-D32		
	16x16	130	44	35	8	4	ET30-H1616L-D44	ET30-H1616R-D44		
E 3.0 Type ET30	20x20	130	44	35	8	-	ET30-H2020L-D44	ET30-H2020R-D44	V-M5X27-6P7	C-6PEX-7.0
	25x25	140	44	35	8	-	ET30-H2525L-D44	ET30-H2525R-D44		

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

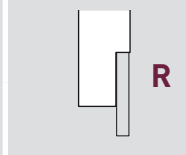
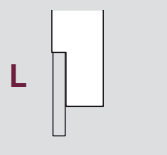
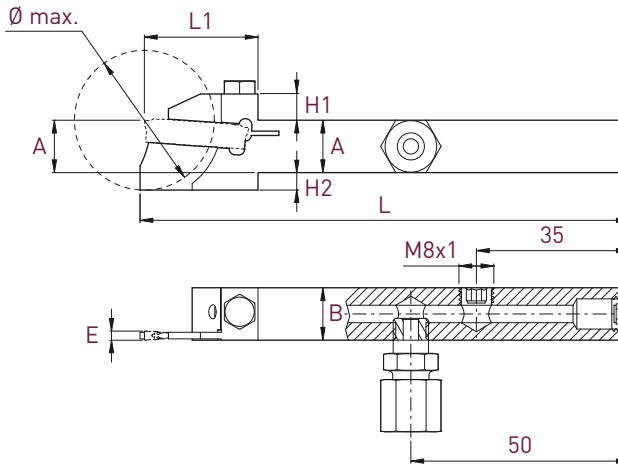
Porte-outils avec arrosage intégré

Halter mit integrierter Kühlmittelzufuhr

Holders with integrated coolant supply

Ø max 44 mm

H JET



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



Plaquettes WSP Inserts	A x B	L	Ø max.	L1	H1	H2	Art. N°	Art. N°
E 2.0 Type ET20	10x12	110	22	20	5	6	ET20-H1012L-JET22	ET20-H1012R-JET22
	12x12	110	22	20	5	4	ET20-H1212L-JET22	ET20-H1212R-JET22
	12.7x12.7	110	22	20	5	3	ET20-H12.7L-JET22	ET20-H12.7R-JET22
	12x12	110	32	26	6	4	ET20-H1212L-JET32	ET20-H1212R-JET32
	12.7x12.7	110	32	26	6	3	ET20-H12.7L-JET32	ET20-H12.7R-JET32
	16x16	110	32	26	6	-	ET20-H1616L-JET32	ET20-H1616R-JET32
	16x16	130	44	35	8	4	ET20-H1616L-JET44	ET20-H1616R-JET44
E 2.5 Type ET25	10x12	110	22	20	5	6	ET25-H1012L-JET22	ET25-H1012R-JET22
	12x12	110	22	20	5	4	ET25-H1212L-JET22	ET25-H1212R-JET22
	12.7x12.7	110	22	20	5	3	ET25-H12.7L-JET22	ET25-H12.7R-JET22
	12x12	110	32	26	6	4	ET25-H1212L-JET32	ET25-H1212R-JET32
	12.7x12.7	110	32	26	6	3	ET25-H12.7L-JET32	ET25-H12.7R-JET32
	16x16	110	32	26	6	-	ET25-H1616L-JET32	ET25-H1616R-JET32
	16x16	130	44	35	8	4	ET25-H1616L-JET44	ET25-H1616R-JET44
E 3.0 Type ET30	12.7x12.7	110	32	26	6	3	ET30-H12.7L-JET32	ET30-H12.7R-JET32
	16x16	110	32	26	6	-	ET30-H1616L-JET32	ET30-H1616R-JET32
	16x16	130	44	35	8	4	ET30-H1616L-JET44	ET30-H1616R-JET44
	20x20	130	44	35	8	-	ET30-H2020L-JET44	ET30-H2020R-JET44
	25x25	140	44	35	8	-	ET30-H2525L-JET44	ET30-H2525R-JET44

Art. N°	Art. N°
V-M5X20-6P6-J	C-6PEX-6.0
V-M5X21-6P7-J	C-6PEX-7.0
V-M5X27-6P7-J	C-6PEX-7.0
V-M5X20-6P6-J	C-6PEX-6.0
V-M5X21-6P7-J	C-6PEX-7.0
V-M5X27-6P7-J	C-6PEX-7.0
V-M5X21-6P7-J	C-6PEX-7.0
V-M5X27-6P7-J	C-6PEX-7.0

Pièces de rechange
Ersatzteile
Spare parts



Art. N°

Art. N°

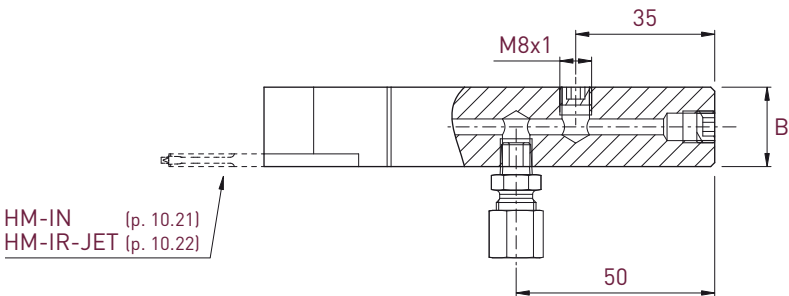
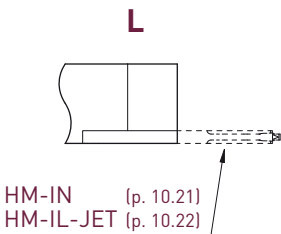
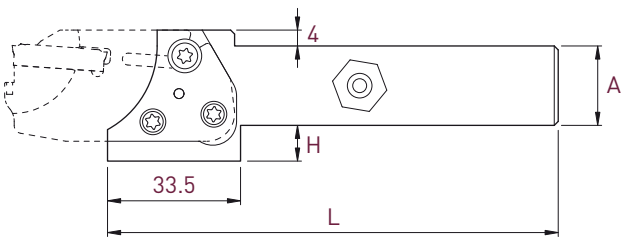
J-M8X1-D6

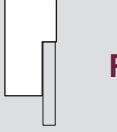
JB-M8X1

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

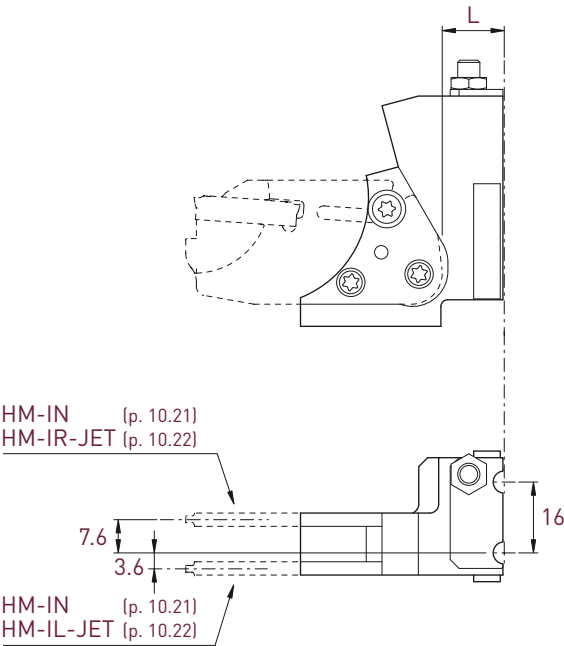
H-HM-JET

Porte-lames avec arrosage intégré
Halter für Stechklinge mit Kühlmittelzufuhr
Holder for parting-off blades with integrated coolant supply

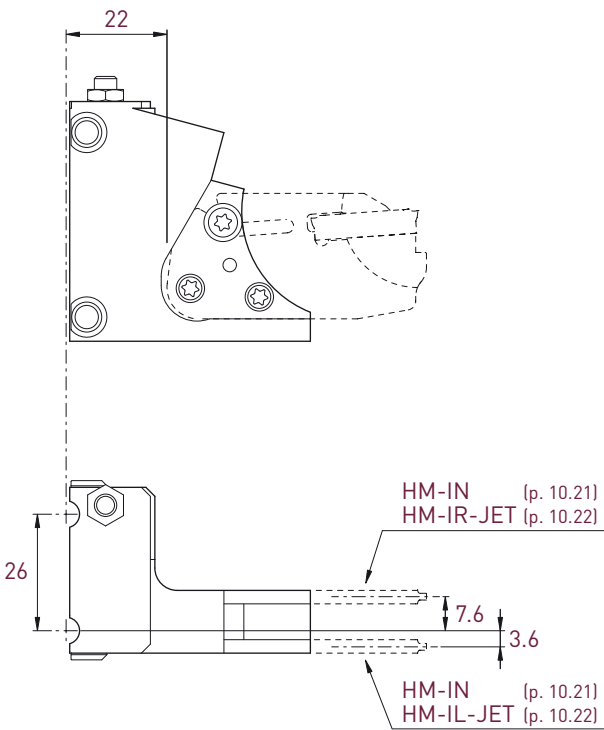


				
A x B	L	H	Art. N°	Art. N°
16x16	113.5	13	H1616L-HM-JET	H1616R-HM-JET
20x20	113.5	9	H2020L-HM-JET	H2020R-HM-JET
25x25	138.5	4	H2525L-HM-JET	H2525R-HM-JET

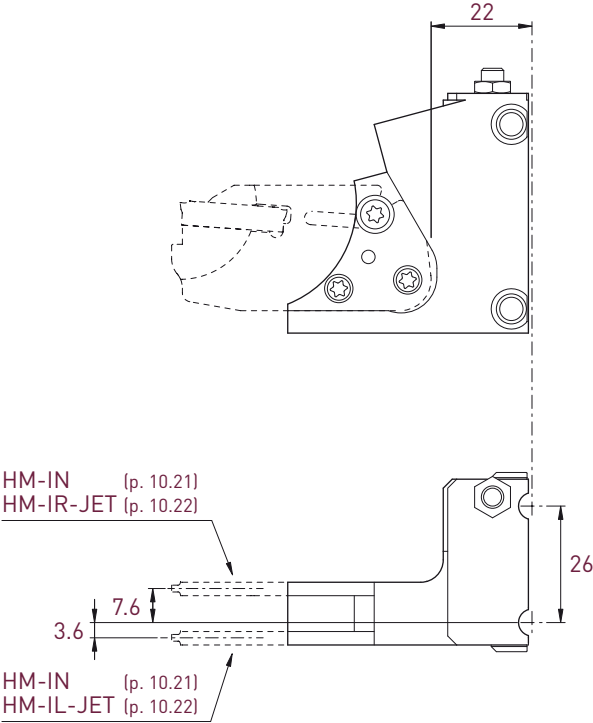
Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories				Options
				
Art. N°	Art. N°	Art. N°	Art. N°	Art. N°
V-M5X10-T20IP	V-M6X10-T20IP	J-M8X1-D6	JB-M8X1	C-T20IP

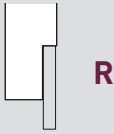


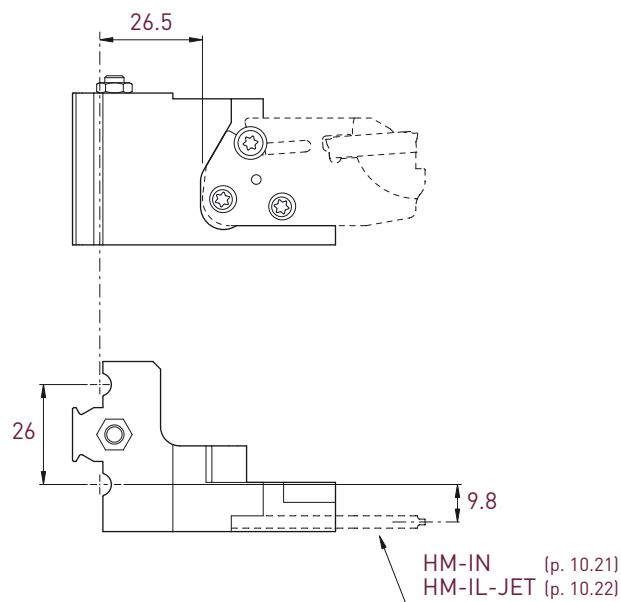
				Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories		Options
Interface	Machine compatibility	L				
GWS02	AS14	14	GWS02R-02001-HM-JET	V-M5X10-T20IP	V-M6X10-T20IP	C-T20IP
	SAS16					
	SBS20					
	Others	22	GWS02R-02002-HM-JET			



			Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories		Options
Interface	Machine compatibility	Art. N°			
GWS41	MultiSwiss 6X16	GWS41L-41001-HM-JET	V-M5X10-T20IP	V-M6X10-T20IP	C-T20IP
	MultiDeco 20X6				
	MultiDeco 20X8				
	MultiDeco 26X6				
	MultiDeco 32X6				
	MultiAlpha 20X8				
	MultiSigma 24X8				



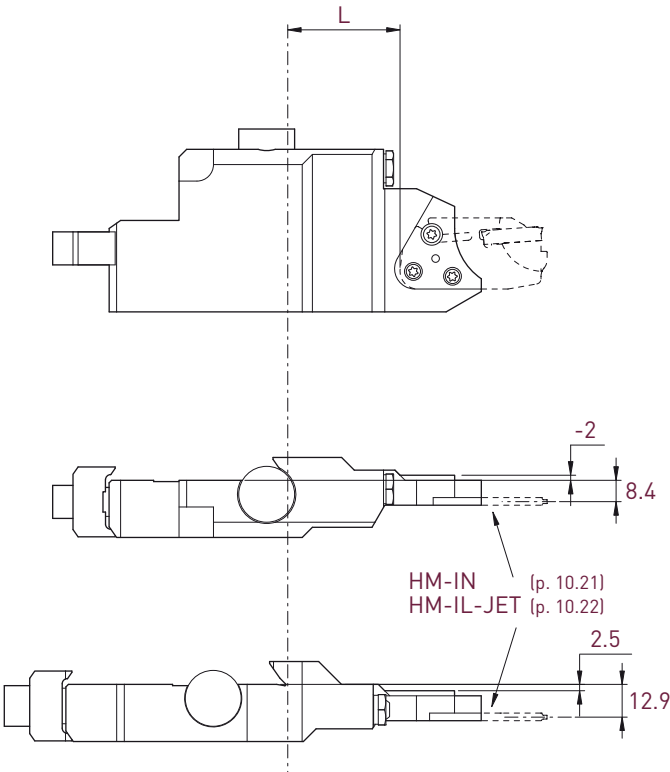
Interface	Machine compatibility	 Art. N°	Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories		Options
			 Art. N°	 Art. N°	 Art. N°
GWS41	MultiSwiss 6X16	GWS41R-41002-HM-JET	V-M5X10-T20IP	V-M6X10-T20IP	C-T20IP
	MultiDeco 20X6				
	MultiDeco 20X8				
	MultiDeco 26X6				
	MultiDeco 32X6				
	MultiAlpha 20X8				
	MultiSigma 24X8				



			Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories		Options
Interface	Machine compatibility				
		Art. N°	Art. N°	Art. N°	Art. N°
GWS202	MultiSwiss 6X32	GWS202L-202001-HM-JET	V-M5X10-T20IP	V-M6X10-T20IP	C-T20IP
	MultiSwiss 8X26				

MS22

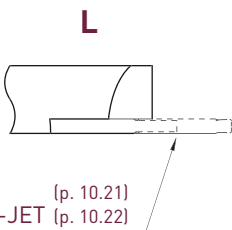
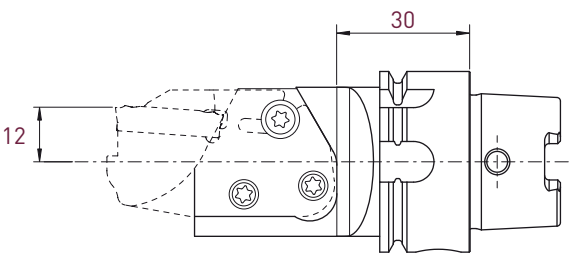
MS32-40



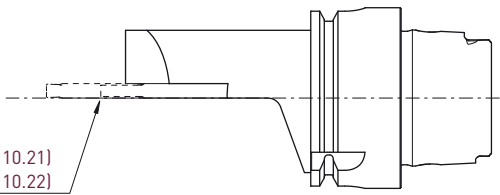
Machine compatibility	L	Art. N°	Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories		Options
			Art. N°	Art. N°	Art. N°
MS22	44.2	MS22-W5190231-HM-JET	V-M5X10-T20IP	V-M6X10-T20IP	C-T20IP
MS32-40	45.5	MS32-40-W5190233-HM-JET			

HSK-JET

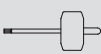
Porte-outils HSK pour porte-lames avec arrosage intégré
HSK Halter Stechklingen mit integrierter Kühlmittelzufuhr
HSK holder for parting-off blades with integrated coolant supply



HM-IN (p. 10.21)
HM-IL-JET (p. 10.22)



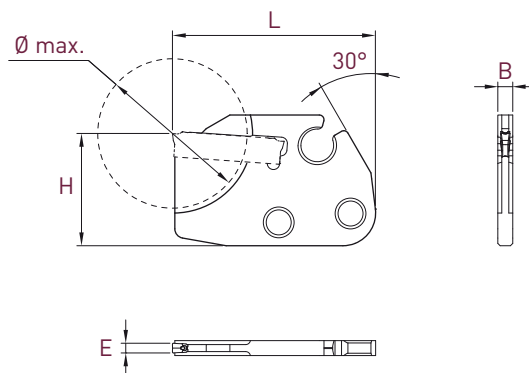
HM-IN (p. 10.21)
HM-IR-JET (p. 10.22)

				Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories		Options
						
Art. N°		Art. N°		Art. N°	Art. N°	Art. N°
HSK-T40-L-HM-JET		HSK-T40-R-HM-JET		V-M5X10-T20IP	V-M6X10-T20IP	C-T20IP

Lames pour système modulaire

Stechklinge für modulares System
Parting-off blades for modular system

HM

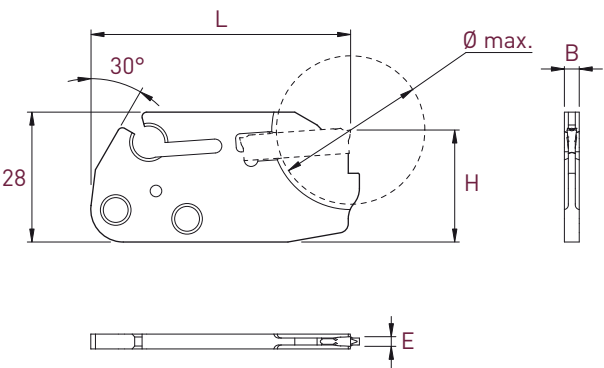


N

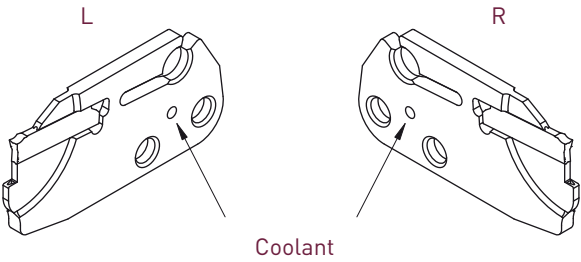
Plaquettes WSP Inserts	Ø max.	B	L	H	Art. N°
E 1.5	20	3.2	43.5	24	ET15-HM-IN-43-D20
Type ET15	32	3.2	43.5	24	ET15-HM-IN-43-D32
E 2.0	20	3.2	43.5	24	ET20-HM-IN-43-D20
	26	3.2	43.5	24	ET20-HM-IN-43-D26
Type ET20	26	3.2	54	24	ET20-HM-IN-54-D26
	32	3.2	43.5	24	ET20-HM-IN-43-D32
E 3.0	32	3.2	43.5	24	ET30-HM-IN-43-D32
Type ET30					

HM-JET

Lames avec arrosage intégré
Steckklinge mit integrierter Kühlmittelzufuhr
Parting-off blades with integrated coolant supply



					L R	
Plaquettes WSP Inserts	Ø max.	B	L	H	Art. N°	Art. N°
E 2.0 Type ET20	20	3.2	48.5	24	ET20-HM-IL-48.5-JET20	ET20-HM-IR-48.5-JET20
	24		48.5		ET20-HM-IL-48.5-JET24	ET20-HM-IR-48.5-JET24
	32		45.5		ET20-HM-IL-45.5-JET32	ET20-HM-IR-45.5-JET32
	32		56		ET20-HM-IL-56-JET32	ET20-HM-IR-56-JET32
	42		48.5		ET20-HM-IL-48.5-JET42	ET20-HM-IR-48.5-JET42
E 3.0 Type ET30	32	3.2	45.5	24	ET30-HM-IL-45.5-JET32	ET30-HM-IR-45.5-JET32
	44		48.5		ET30-HM-IL-48.5-JET42	ET30-HM-IR-48.5-JET42

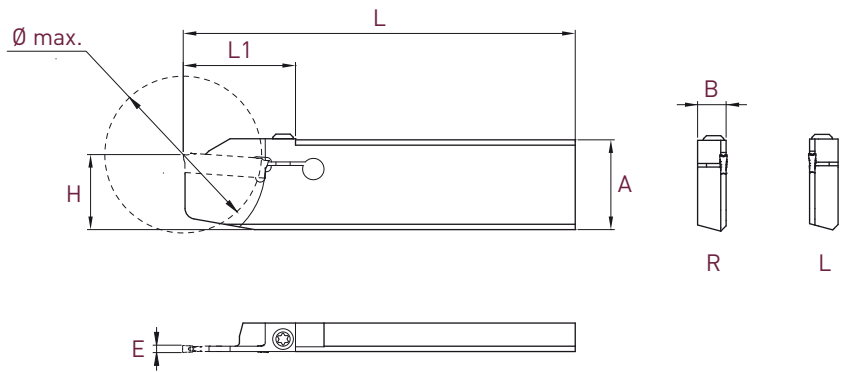


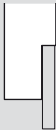
Lames de tronçonnage

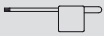
Stechklinge

Parting-off blades

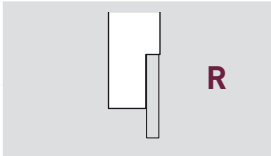
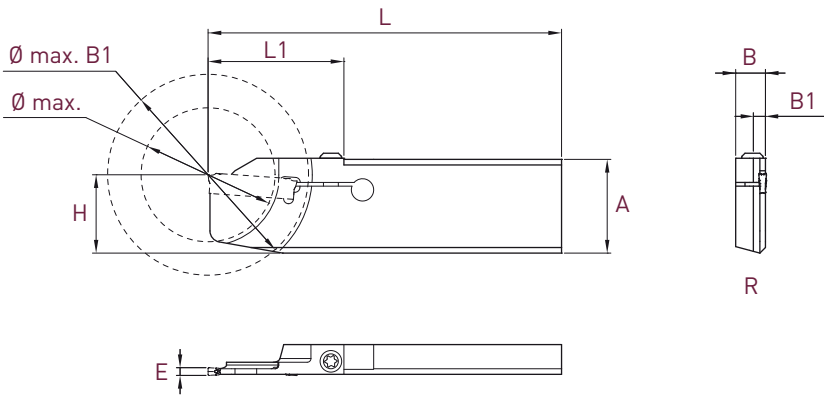
HK



							
Plaquettes WSP Inserts	A x B	L	Ø max.	L1	H	Art. N°	Art. N°
E 1.5 Type ET15	26x8	110	20	19.5	21	ET15-HK-2608L-110-D20	ET15-HK-2608R-110-D20
	26x8	110	32	25.5	21	ET15-HK-2608L-110-D32	ET15-HK-2608R-110-D32
E 2.0 Type ET20	26x8	110	32	25.5	21	ET20-HK-2608L-110-D32	ET20-HK-2608R-110-D32
	26x8	110	44	31.5	21	ET20-HK-2608L-110-D44	ET20-HK-2608R-110-D44

Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories	Options
 *	
Art. N°	Art. N°
V-M4X14.5-T15-EVOCUT	C-T15

* livré avec chaque lame
mit jedem Steckling geliefert
delivered with each blade



Plaquettes WSP Inserts	A x B	L	Ø max.	Ø max. B1	B1	L1	H	Art. N°
E 1.5 Type ET15	26x8	95	36	54	3.25	36.5	21	ET15-HK-2608RS-95-D36
E 2.0 Type ET20	26x8	95	36	54	3.25	36.5	21	ET20-HK-2608RS-95-D36

Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories	Options
 *	
Art. N°	Art. N°
V-M4X14.5-T15-EVOCUT	C-T15

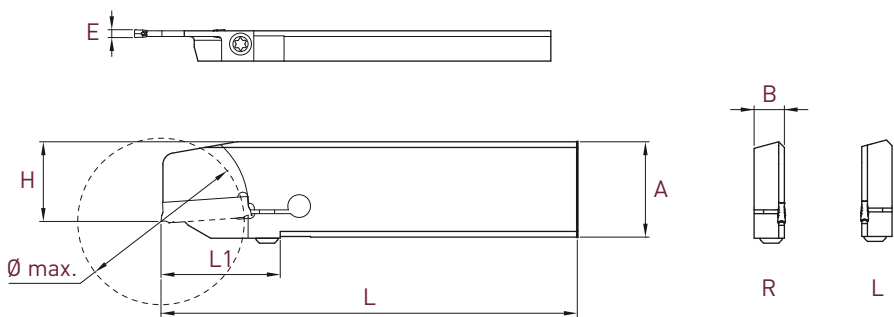
* livré avec chaque lame
mit jedem Stechkling geliefert
delivered with each blade

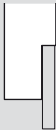
Lames de tronçonnage inversées

Überkopf Stechklinge

Upside down parting-off blades

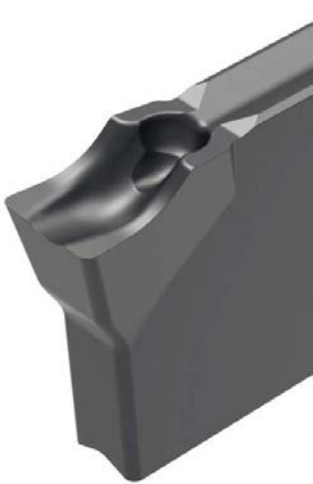
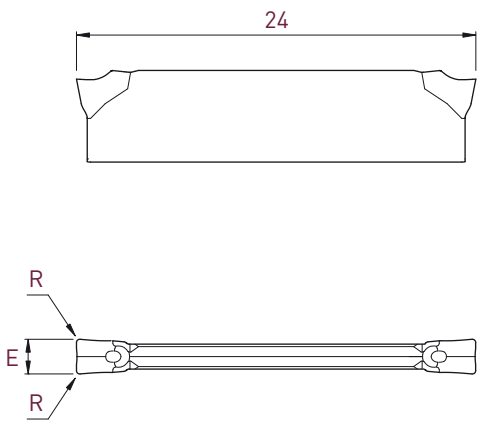
HUK



							
Plaquettes WSP Inserts	A x B	L	Ø max.	L1	H	Art. N°	Art. N°
E 1.5 Type ET15	26x8	110	20	19.5	21	ET15-HUK-2608L-110-D20	ET15-HUK-2608R-110-D20
	26x8	110	32	25.5	21	ET15-HUK-2608L-110-D32	ET15-HUK-2608R-110-D32
E 2.0 Type ET20	26x8	110	32	25.5	21	ET20-HUK-2608L-110-D32	ET20-HUK-2608R-110-D32
	26x8	110	44	31.5	21	ET20-HUK-2608L-110-D44	ET20-HUK-2608R-110-D44

Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories	Options
 *	
Art. N°	Art. N°
V-M4X14.5-T15-EVOCUT	C-T15

* livré avec chaque lame
mit jedem Steckling geliefert
delivered with each blade



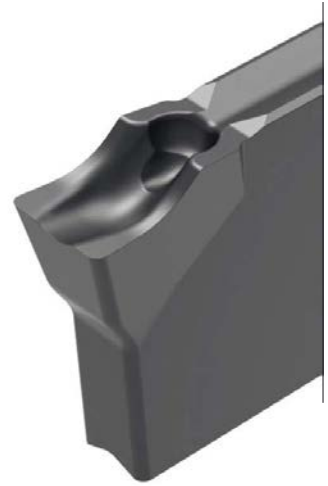
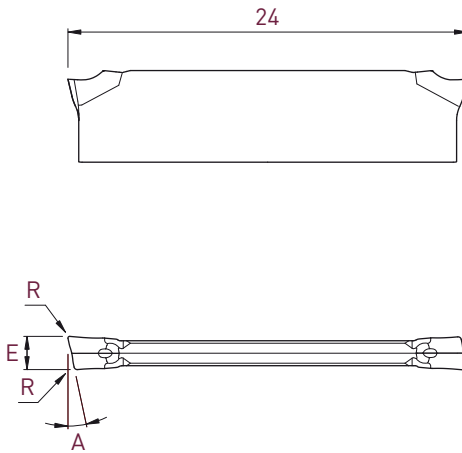
			UN																	
Type	E ±0.05	R	Art. N°	<table><tr><td>P</td><td>P</td><td>P</td><td>P</td></tr><tr><td>M</td><td>M</td><td>M</td><td>M</td></tr><tr><td>N</td><td></td><td></td><td></td></tr><tr><td>S</td><td></td><td></td><td></td></tr></table>	P	P	P	P	M	M	M	M	N				S			
P	P	P	P																	
M	M	M	M																	
N																				
S																				
ET15	1.35	0	ET15-UN-000F	•																
	1.5	0.2	ET15-UN-002	• • •																
ET20	1.85	0	ET20-UN-000F	•																
	2.0	0.2	ET20-UN-002	• • • •																
ET25	2.35	0	ET25-UN-000F	•																
	2.5	0.3	ET25-UN-003	• • • •																
ET30	2.85	0	ET30-UN-000F	•																
	3.0	0.3	ET30-UN-003	• • • •																

Plaquettes de tronçonnage

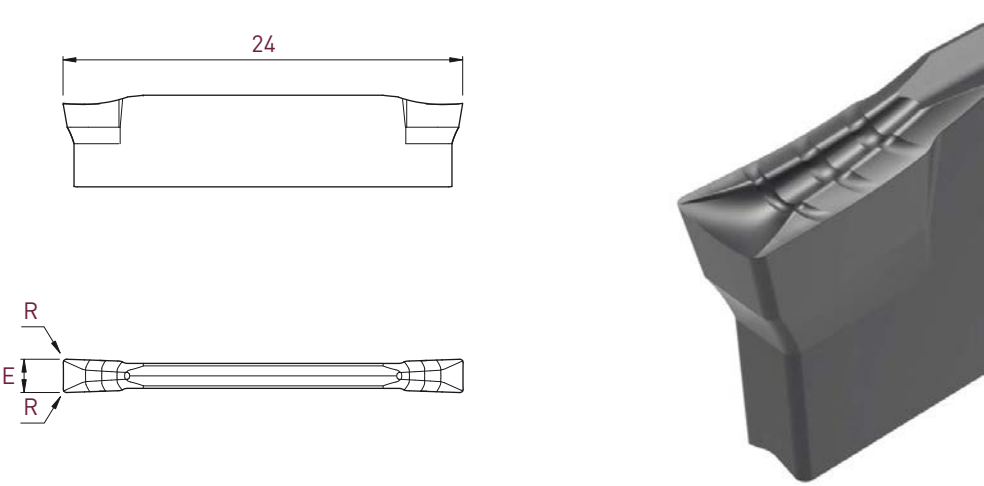
Abstechwendeplatten

Cut off inserts

UL-UR



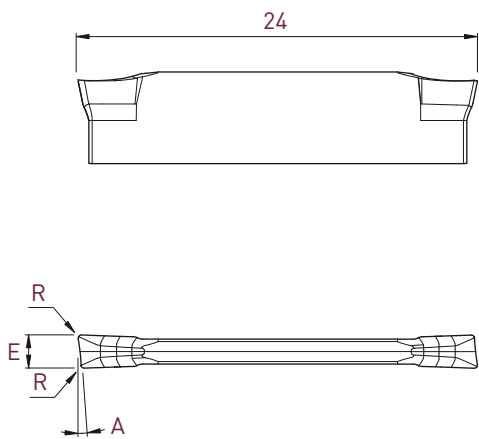
				UL				UR			
Type	E ±0.05	A	R	Art. N°	TiAlN	P	M	Art. N°	TiAlN	P	M
ET15	1.5	6°	0.2	-				ET15-UR-602	•	•	•
	1.35	8°	0	-				ET15-UR-800F	•		
	1.5	12°	0.1	-				ET15-UR-1201	•	•	•
	1.35	15°	0	ET15-UL-1500F	•			ET15-UR-1500F	•		
ET20	2.0	6°	0.2	-				ET20-UR-602	•	•	•
	1.85	8°	0	-				ET20-UR-800F	•		
	2.0	12°	0.1	-				ET20-UR-1201	•	•	•
	1.85	15°	0	ET20-UL-1500F	•			ET20-UR-1500F	•		
ET25	2.5	6°	0.2	-				ET25-UR-602	•	•	•
	2.35	8°	0	-				ET25-UR-800F	•		
	2.5	12°	0.1	-				ET25-UR-1201	•	•	•
	2.35	15°	0	ET25-UL-1500F	•			ET25-UR-1500F	•		
ET30	3.0	6°	0.3	-				ET30-UR-603	•	•	•
	2.85	8°	0	-				ET30-UR-800F	•		
	3.0	12°	0.2	-				ET30-UR-1202	•	•	•
	2.85	15°	0	ET30-UL-1500F	•			ET30-UR-1500F	•		



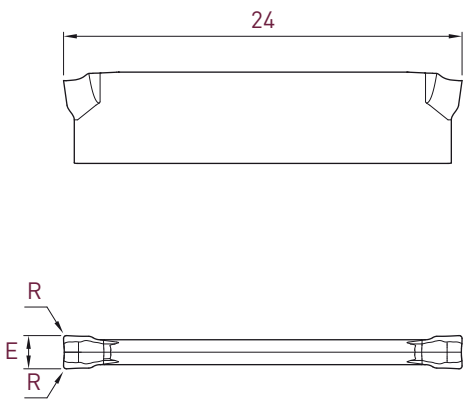
JN							
Type	E ±0.05	R	Art. N°	TiAlN P M N S	Tmax P M	Zmax P M	ZTi6 P M
ET15	1.5	0.2	ET15-JN-002	•	•	•	
ET20	2.0	0.2	ET20-JN-002	•	•	•	•
ET25	2.5	0.3	ET25-JN-003	•	•	•	•
ET30	3.0	0.3	ET30-JN-003	•	•	•	•

Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts

JR



				JR	
Type	E ±0.05	A	R	Art. N°	P M N S TIALN P M Tmax P M Zmax
ET15	1.5	6°	0.2	ET15-JR-602	● ● ●
ET20	2.0	6°	0.2	ET20-JR-602	● ● ●
ET25	2.5	6°	0.2	ET25-JR-602	● ● ●
ET30	3.0	6°	0.3	ET30-JR-603	● ● ●



JSN				
Type	E ± 0.05	R	Art. N°	
				
ET20	2.0	0.2	ET20-JSN-002	Tmax
				•

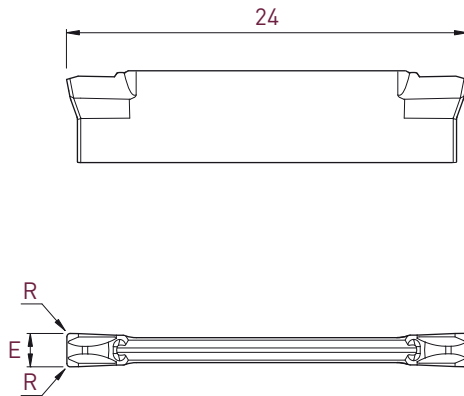
Plaquettes de tronçonnage

Abstechwendeplatten

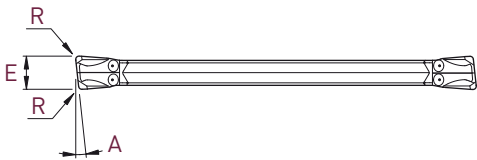
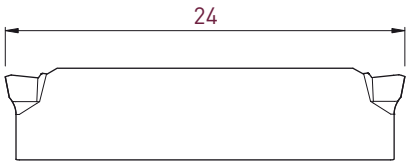
Cut off inserts

Negative geometry

TN



			TN				
Type	E ±0.05	R	Art. N°				
				TiAlN	Tmax	Zmax	ZTi6
ET20	2.0	0.2	ET20-TN-002	●	●	●	●
ET25	2.5	0.3	ET25-TN-003	●	●	●	●
ET30	3.0	0.3	ET30-TN-003	●	●	●	●

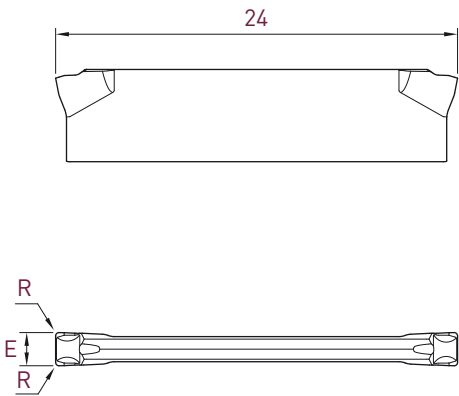


				TR					
Type	E ±0.05	A	R	Art. N°	TiAlN	Tmax	Zmax	ZTi6	
ET20	2.0	6°	0.2	ET20-TR-602	☒	☒	☒	☐	
ET25	2.5	6°	0.2	ET25-TR-602	☒	☒	☒	☐	
ET30	3.0	6°	0.3	ET30-TR-603	☒	☒	☒	☒	

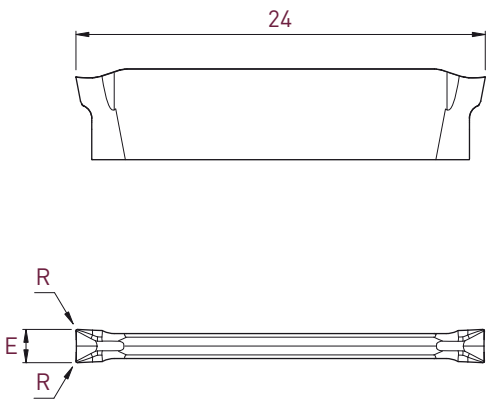
Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts

Negative geometry

TSN



TSN					
Type	E ±0.05	R	Art. N°	Tmax	Zmax
ET20	2.0	0.2	ET20-TSN-002	P M	P M



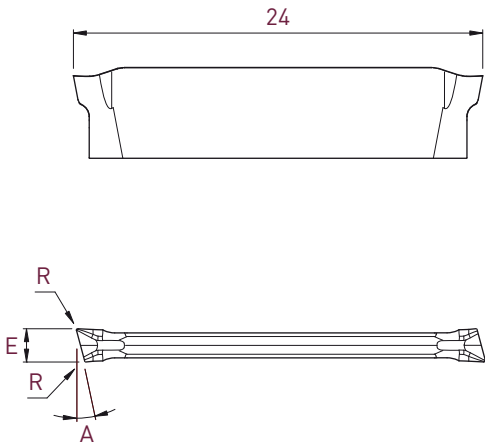
			AN	
Type	E ±0.05	R	Art. N°	M N S TiAlN N S N S AC Z
ET20	2.0	0.2	ET20-AN-002F	• • •
ET30	3.0	0.3	ET30-AN-003F	• • •

Plaquettes de tronçonnage

Abstechwendeplatten

Cut off inserts

AR



					AR		
Type	E ±0.05	A	R	Art. N°	T	A	C
ET20	2.0	15°	0.1	ET20-AR-1501F	●	●	●
ET30	3.0	15°	0.2	ET30-AR-1502F	●	●	●

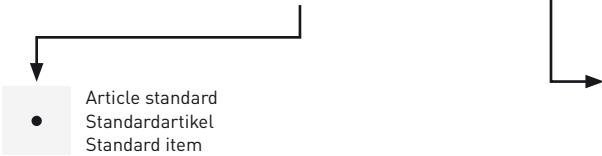
SYMBOL

Légende des symboles

Symbollegende

Symbol Legend

E	L	Art. N°	TiAlN	TiN	N (µK20)	HTA	HTiN	HN (µK10)
1.0	5	731RU-1.0	•	•				
1.2	5	731RU-1.2	•	•				
1.5	7	731RU-1.5	•	•	•	•	•	•
2.0	7	731RU-2.0	•	•				



Acier
Stahl
Steel



Inox
Rostfreistahl
Stainless steel



Alliages d'aluminium et non ferreux
Aluminium- und Nichtisenlegierungen
Aluminium and non-ferrous alloys



Titane et superalliages
Titan und Superlegierungen
Titanium and superalloys



Acier trempé
Gehärteter Stahl
Hardened steel



Fonte
Gusseisen
Cast iron

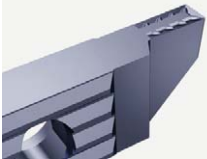


Matière exotique
Exotisches material
Exotic material



Carbure
Hartmetall
Carbide

TiAlN



 K20

µK20 + revêtement PVD
µK20 + PVD Beschichtung
µK20 + PVD coating

TF F M E



