# EVOCUT-Line



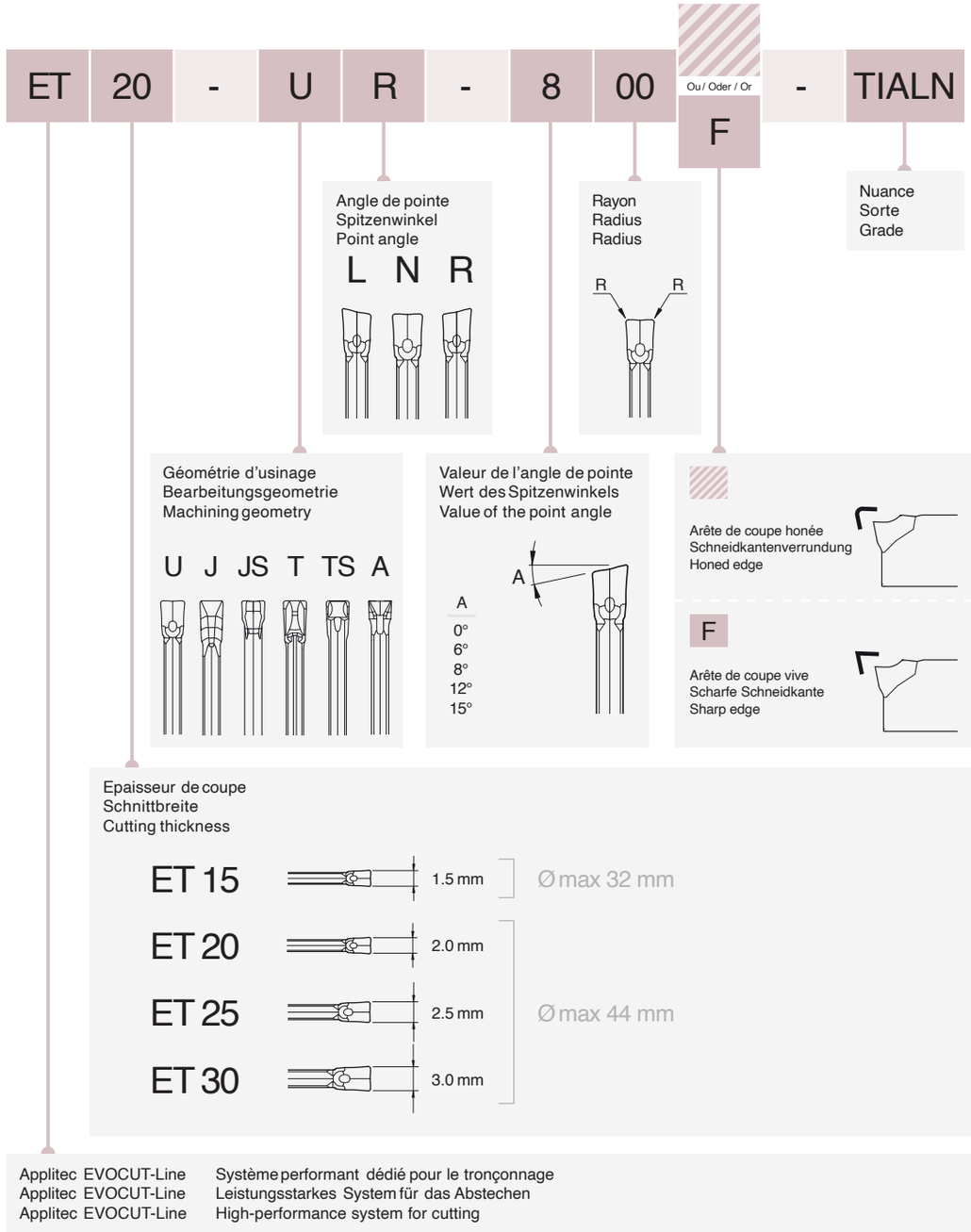
APPLITEC
CUTTING TOOLS

| | | | |
|---|---|---|---|
| Codification<br>Kodifizierung<br>Coding guide | | | > 10.03 |
| Infos et avantages<br>Infos und Vorteile<br>Infos and advantages | | | > 10.04 |
| Géométries de coupe<br>Spanformgeometrie<br>Cutting geometries | | | > 10.07 |
| Nuances<br>Sorten<br>Grades | | | > 10.08 |
| Paramètres de coupe indicatifs<br>Empfohlene Schnittwerte<br>Standard machining data | | | > 10.10 |
| Porte-outils<br>Halter<br>Holders | H | without coolant | > 10.12 |
| | H JET | with coolant | > 10.13 |
| | H-HM-JET | with coolant | > 10.14 |
| | GWS | Interface Göltenbodt | > 10.15 |
| | MS | Interface Index | > 10.19 |
| | HSK-JET | with coolant | > 10.20 |
| Lames<br>Stecklingen<br>Blades | HM-HK-HUK | | > 10.21 |
| Plaquettes de tronçonnage<br>Abstechwendeplatten<br>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 |




Zurück zum Kapitelanfang





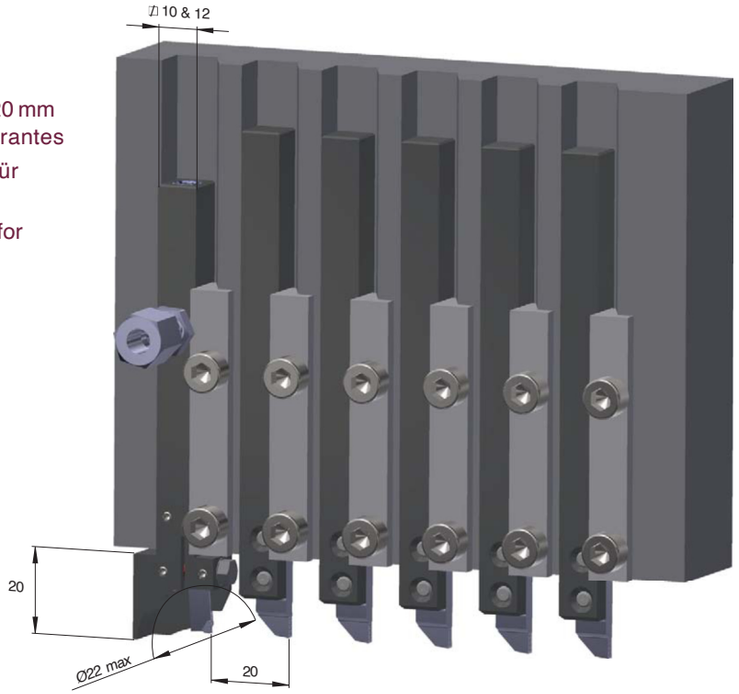
EVOCUT-Line

Infos et avantages
Infos und Vorteile
Infos and advantages

Compact: seulement 20 mm pour les machines courantes

Kompakt: nur 20 mm für übliche Maschinen

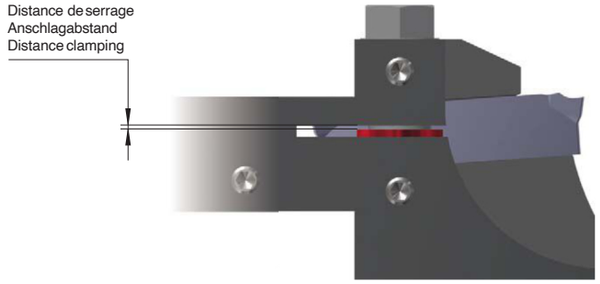
Compact: only 20 mm for current machines




Butée de serrage

Spannungs-Anschlag

Clamping stop




Recommandationsde serrage:
n'utiliser que la clé fournie

Spannungsempfehlungen:
nur den gelieferten Schlüssel benutzen

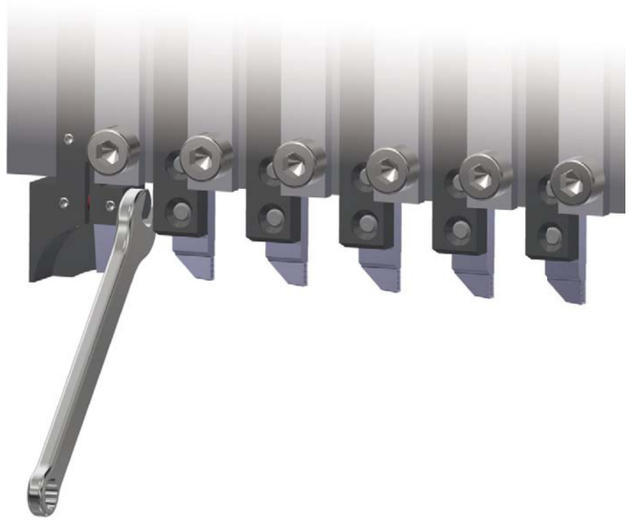
Tightening recommendation:
only use the delivered key




Facilité d'accès

Zugangsleichtigkeit

Excellent accessibility



Changement de la plaquette sans démontage

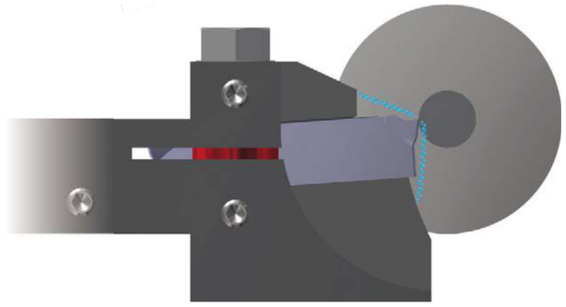
Veränderung der Platte ohne Zerlegung

Change of insert without disassembly

Support JET à double lubrification

JET Halter mit doppeltem Schmierung

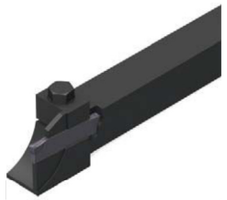
Jet holder with double lubrification



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
- 1er 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 Spanverschmälerung 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 0.05mm/rev
- recommended for tough materials, steel, and stainless steel

## AN | AR



- géométrie fortement positive
- roule-copeaux poli avec arêtes de coupe vives
- 1er 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



Zurück zum Kapitelanfang

## TiAlN



Revêtement PVD
PVD Beschichtung
PVD coating

TF F M E

P ★★★★★
M ★★★★★
N ★★★★☆
S ★★★★☆

- pour l'usinage des aciers, aciers inoxydables et alliages de titane
- 1er choix pour les avancesfaibles 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

TF F M E

P ★★★★★
M ★★★★★
N ★★☆☆☆
S ★★☆☆☆

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

TF F M E

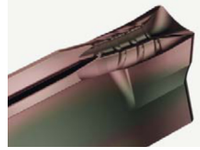
P ★★★★★
M ★★★★★
N ★★☆☆☆
S ★★☆☆☆

- 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
- 1er choix pour le tronçonnageen 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

TF F M E

P ★★★★★
M ★★★★☆
N ★☆☆☆☆
S ★★★☆☆

- nuance très tenace
- grande résistance à la température
- 1er 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

TF F M E

P ☆☆☆☆☆
M ☆☆☆☆☆
N ★★★★★
S ★★★★★

- nuance pour métaux non ferreux
- très faible coefficient de frottement
- 1er 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

P ★☆☆☆☆
M ★☆☆☆☆
N ★★★☆☆
S ★★★☆☆

- 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, Kunstoff

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

EVOCUT-Line

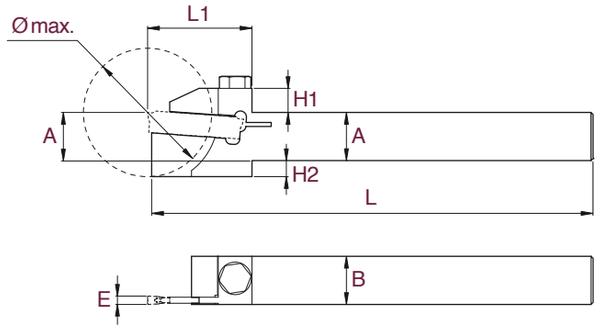
Paramètres de coupe indicatifs
Empfohlene Schnittwerte
Standard machining data

| | | | | | | | P Acier Stahl Steel | | | | | | M Inox Rostfreistahl Stainless steel | | N Alliages d'aluminium et non ferreux Aluminium- und Nichteisenlegierungen Aluminium and non-ferrous alloys | | | | | | | | S Titane Titan Titanium | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Acier dedécolletage Automatenstahl Free-cuttingsteel | | Acier faiblement allié Leicht legierter Stahl Low alloyed steel | | Acier fortement allié Legierter Stahl High alloyed steel | | Austénitiqueet martensitique Austenitischundmartensitisch Austeniticandmartensitic | | 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 | |
| | | | ET15 | ET20 | ET25 | ET30 | 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) | 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 | 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 |
| | | 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 | 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 |
| | | 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 | | | | | | | | | | | | |
| | 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 | 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 |
| | | 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 | 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 |
| | | 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 | 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 |
| | 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 | | | | | | | 150-300 | 0.05-0.20 | | | | |
| | | 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 | | | | | | | 150-300 | 0.05-0.20 | | | | |
| | | 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 | | | | | | | 100-300 | 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 Niediger 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 | 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 |
| | 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 | 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 |
| | ANF | N | | ● | | ● | | | | | | | | | 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 |
| | | TiAlN | | ● | | ● | | | | | | | 40-80 | 0.02-0.05 | 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 |
| | | AC | | ● | | ● | | | | | | | | | 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 |
| | ARF | N | | ● | | ● | | | | | | | | | 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 |
| | | TiAlN | | ● | | ● | | | | | | | 40-80 | 0.02-0.05 | 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 |
| | | AC | | ● | | ● | | | | | | | | | 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 |

* premier choix en cas decoupeinterrompue
** arête de coupe vive

* ersteWahl für unterbrochener Schnitt
** scharfeSchneidkante

* first choice for interrupted cut
** sharp cuttingedge



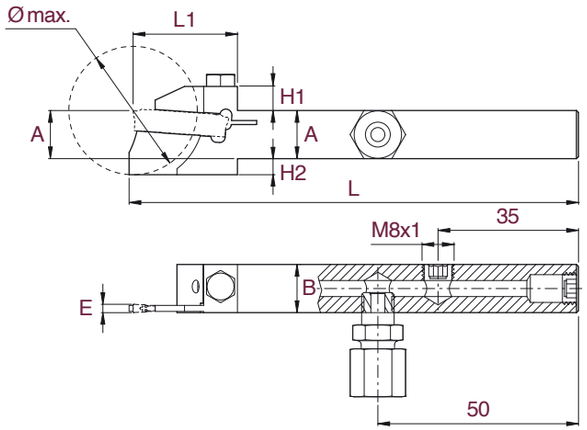

| Plaquettes WSP Inserts | A x B | L | Ø max. | L1 | H1 | H2 | L Art. N° | R Art. N° | Pièces de rechange et accessoires Ersatzteileund Zubehöre Spare parts and accessories * Art. N° | * Art. N° |
|---|---|---|---|---|---|---|---|---|---|---|
| E 1.5 Type ET15 | 10x12 | 110 | 22 | 20 | 5 | 6 | ET15-H1012L-D22 | 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 | | |
| | 16x16 | 130 | 44 | 35 | 8 | 4 | ET20-H1616L-D44 | ET20-H1616R-D44 | V-M5X27-6P7 | C-6PEX-7.0 |
| | 20x20 | 130 | 44 | 35 | 8 | - | ET20-H2020L-D44 | ET20-H2020R-D44 | | |
| 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 | | |
| | 16x16 | 130 | 44 | 35 | 8 | 4 | ET25-H1616L-D44 | ET25-H1616R-D44 | V-M5X27-6P7 | C-6PEX-7.0 |
| | 20x20 | 130 | 44 | 35 | 8 | - | ET25-H2020L-D44 | ET25-H2020R-D44 | | |
| E 3.0 Type ET30 | 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 | | |
| | 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 | | |

* livréavec chaqueporte-outil mit jedem Halter geliefert delivered with each holder



Zurück zum Kapitelanfang






| Plaquettes WSP Inserts | A x B | L | Ø max. | L1 | H1 | H2 | L Art. N° | R Art. N° | Pièces de rechange et accessoires Ersatzteileund Zubehöre Spare parts and accessories * Art. N° | * Art. N° |
|---|---|---|---|---|---|---|---|---|---|---|
| E 2.0 Type ET20 | 10x12 | 110 | 22 | 20 | 5 | 6 | ET20-H1012L-JET22 | ET20-H1012R-JET22 | V-M5X20-6P6-J | C-6PEX-6.0 |
| | 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 | V-M5X21-6P7-J | C-6PEX-7.0 |
| | 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 | V-M5X27-6P7-J | C-6PEX-7.0 |
| | 20x20 | 130 | 44 | 35 | 8 | - | ET20-H2020L-JET44 | ET20-H2020R-JET44 | | |
| E 2.5 Type ET25 | 10x12 | 110 | 22 | 20 | 5 | 6 | ET25-H1012L-JET22 | ET25-H1012R-JET22 | V-M5X20-6P6-J | C-6PEX-6.0 |
| | 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 | V-M5X21-6P7-J | C-6PEX-7.0 |
| | 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 | V-M5X27-6P7-J | C-6PEX-7.0 |
| | 20x20 | 130 | 44 | 35 | 8 | - | ET25-H2020L-JET44 | ET25-H2020R-JET44 | | |
| E 3.0 Type ET30 | 12.7x12.7 | 110 | 32 | 26 | 6 | 3 | ET30-H12.7L-JET32 | ET30-H12.7R-JET32 | V-M5X21-6P7-J | C-6PEX-7.0 |
| | 16x16 | 110 | 32 | 26 | 6 | - | ET30-H1616L-JET32 | ET30-H1616R-JET32 | | |
| | 16x16 | 130 | 44 | 35 | 8 | 4 | ET30-H1616L-JET44 | ET30-H1616R-JET44 | V-M5X27-6P7-J | C-6PEX-7.0 |
| | 20x20 | 130 | 44 | 35 | 8 | - | ET30-H2020L-JET44 | ET30-H2020R-JET44 | | |
| | 25x25 | 140 | 44 | 35 | 8 | - | ET30-H2525L-JET44 | ET30-H2525R-JET44 | | |

| Pièces de rechange Ersatzteile Spare parts | Art. N° | Art. N° |
|---|---|---|
| | J-M8X1-D6 | JB-M8X1 |

* livréavec chaqueporte-outil mit jedem Halter geliefert delivered with each holder

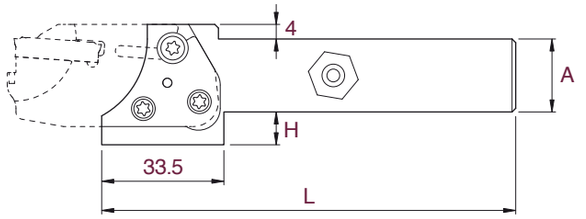
# H-HM-JET

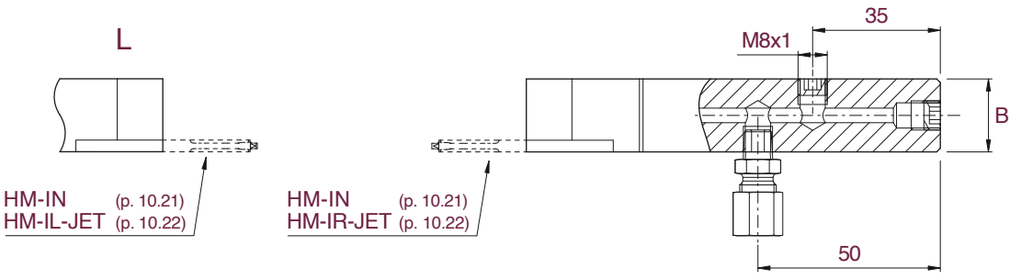
Porte-lames avec arrosage intégré
Halter für Stechklinge mit Kühlmittelzufuhr
Holder for parting-off blades with integrated coolant supply

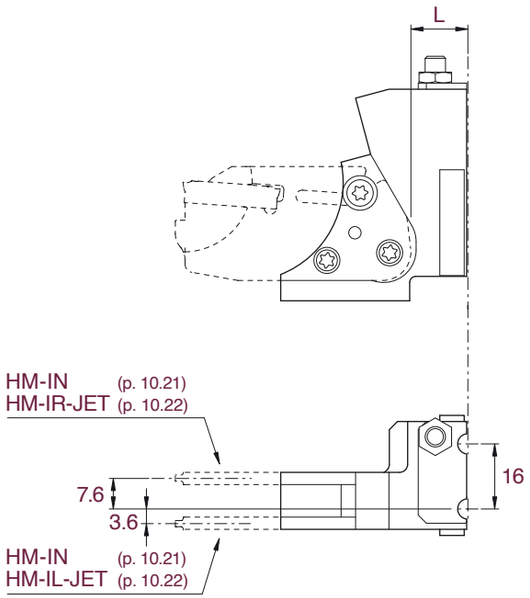


Interface Göltenbodt

# GWS02R-HM-JET




| | | | L | R |
|---|---|---|---|---|
| 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<br>Ersatzteile und Zubehöre<br>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 |

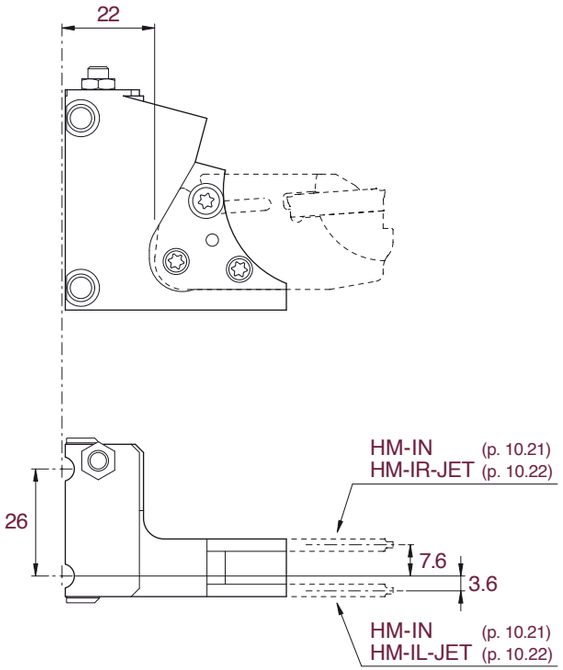
| | | | R | Pièces de rechange et accessoires<br>Ersatzteile und Zubehöre<br>Spare parts and accessories | | Options |
|---|---|---|---|---|---|---|
| | | | |  |  |  |
| Interface | Machine compatibility | L | Art. N° | Art. N° | Art. N° | Art. N° |
| GWS02 | AS14 | 14 | GWS02R-02001-HM-JET | V-M5X10-T20IP | V-M6X10-T20IP | C-T20IP |
| | SAS16 | | | | | |
| | SBS20 | | | | | |
| | Others | 22 | GWS02R-02002-HM-JET | | | |



Zurück zum Kapitelanfang

## GWS41L-HM-JET

Interface Göltenbodt

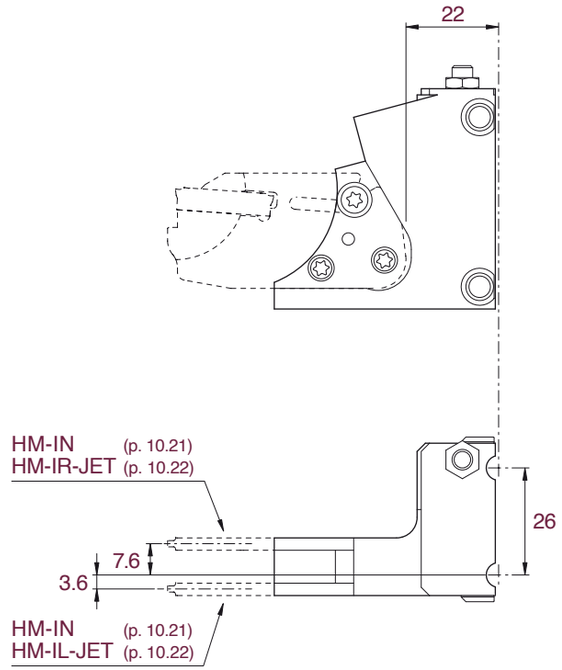



| | | L | Pièces de rechange et accessoires Ersatzteile und Zubehöre Spare parts and accessories | | Options |
|---|---|---|---|---|---|
| Interface | Machine compatibility | Art. N° | Art. N° | Art. N° | Art. N° |
| GWS41 | MultiSwiss 6X16 | GWS41L-41001-HM-JET | V-M5X10-T20IP | V-M6X10-T20IP | C-T20IP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

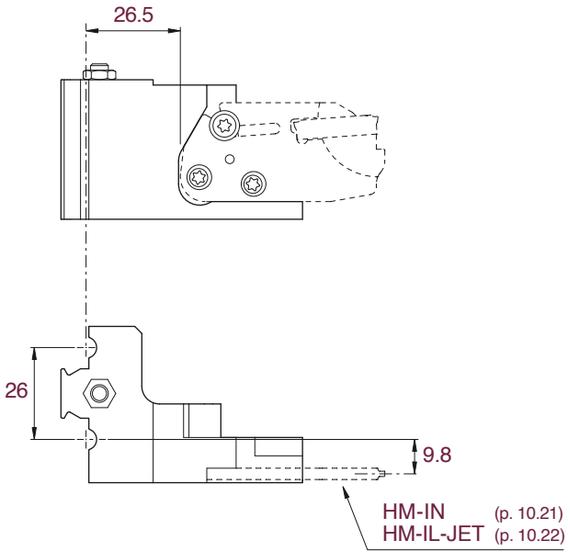


## GWS41R-HM-JET

Interface Göltenbodt




| | | R | Pièces de rechange et accessoires Ersatzteile und Zubehöre Spare parts and accessories | | Options |
|---|---|---|---|---|---|
| Interface | Machine compatibility | Art. N° | 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 | | | | |

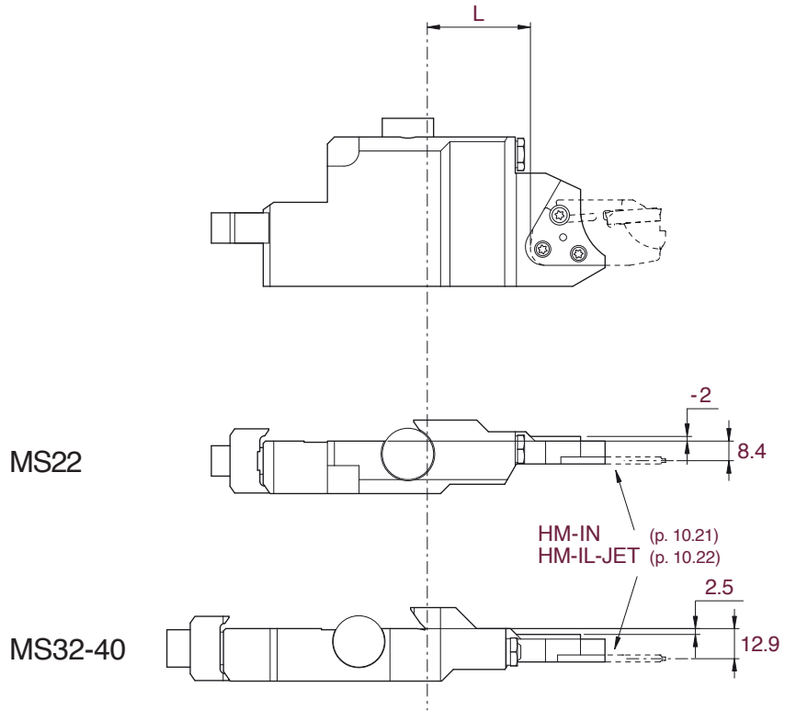



| Interface | Machine compatibility | L | Art. N° | Pièces de rechange et accessoires Ersatzteile und Zubehöre Spare parts and accessories | | Options |
|---|---|---|---|---|---|---|
| | | | | Art. N° | Art. N° | Art. N° |
| GWS202 | MultiSwiss 6X32 | | GWS202L-202001-HM-JET | V-M5X10-T20IP | V-M6X10-T20IP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



Zurück zum Kapitelanfang

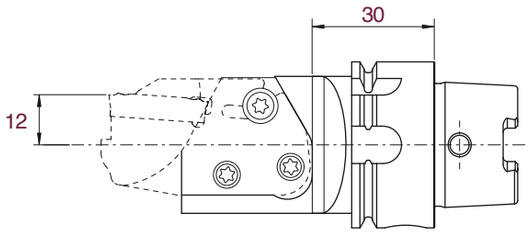


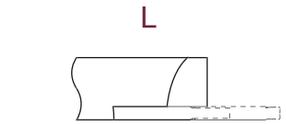



| Machine compatibility | L | Art. N° | Pièces de rechange et accessoires Ersatzteile und Zubehöre Spare parts and accessories | | Options |
|---|---|---|---|---|---|
| | | | Art. N° | Art. N° | Art. N° |
| MS22 | 44.2 | MS22-W5190231-HM-JET | V-M5X10-T20IP | V-M6X10-T20IP | C-T20IP |
| MS32-40 | 45.5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

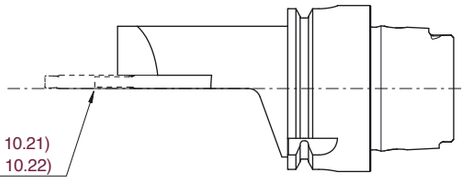
# HSK-JET

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)



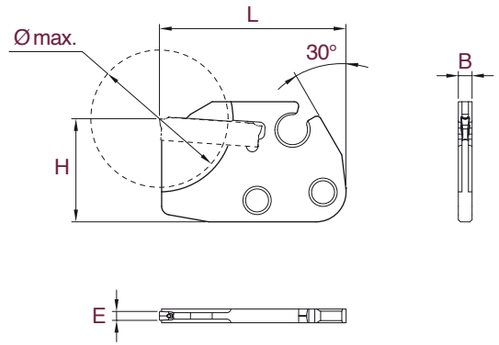
HM-IN (p. 10.21)
HM-IR-JET (p. 10.22)

| L | R | Pièces de rechange et accessoires<br>Ersatzteile und Zubehöre<br>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



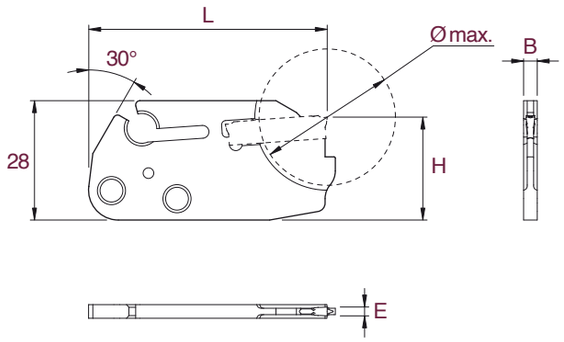

| Plaquettes WSP Inserts | Ø max. | B | L | H | N<br>Art. N° |
|---|---|---|---|---|---|
| E 1.5<br>Type ET15 | 20 | 3.2 | 43.5 | 24 | ET15-HM-IN-43-D20 |
| | 32 | 3.2 | 43.5 | 24 | ET15-HM-IN-43-D32 |
| E 2.0<br>Type ET20 | 20 | 3.2 | 43.5 | 24 | ET20-HM-IN-43-D20 |
| | 26 | 3.2 | 43.5 | 24 | ET20-HM-IN-43-D26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



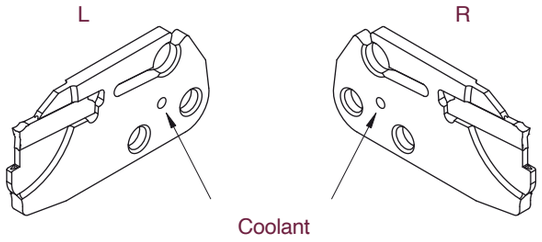
Zurück zum Kapitelanfang

# HM-JET

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




| Plaquettes WSP Inserts | Ø max. | B | L | H | L Art. N° | R 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 |



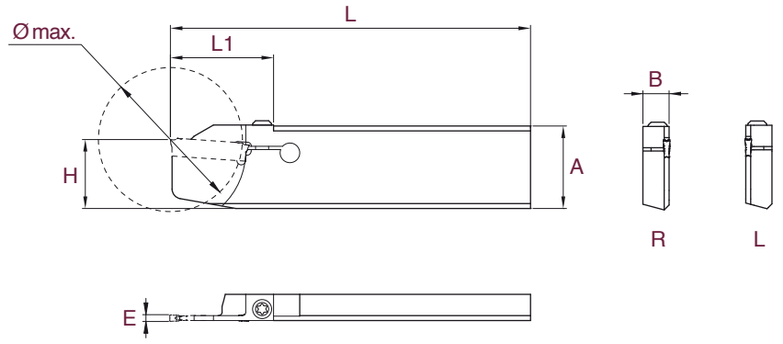



Zurück zum Kapitelanfang



# HK

Lames de tronçonnage
Stechklinge
Parting-off blades



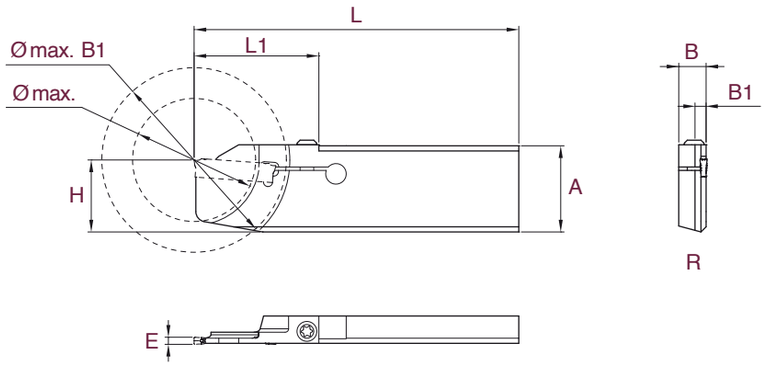

| Plaquettes WSP Inserts | A x B | L | Ø max. | L1 | H | L Art. N° | R Art. N° |
|---|---|---|---|---|---|---|---|
| E 1.5 Type ET15 | 26x8 | 110 | 20 | 19.5 | 21 | ET15-HK-2608L-110-D20 | ET15-HK-2608R-110-D20 |
| | 26x8 | 110 | 32 | 25.5 | 21 | ET15-HK-2608L-110-D32 | ET15-HK-2608R-110-D32 |
| E 2.0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

# HK-RS

Lames de tronçonnage avec dégagement pour accès contre-broche
Stechklinge mit Aussparung für GegenspindelZugriff
Parting-off blades with recess for subspindle access




| Plaquettes WSP Inserts | A x B | L | Ø max. | Ø max. B1 | B1 | L1 | H | R<br>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 Zubehöre Spare parts and accessories | Options |
|---|---|
| * | |
| Art. N° | Art. N° |
| V-M4X14.5-T15-EVOCUT | C-T15 |

* livréavec chaquelame
mit jedem Steckling geliefert
delivered with eachblade

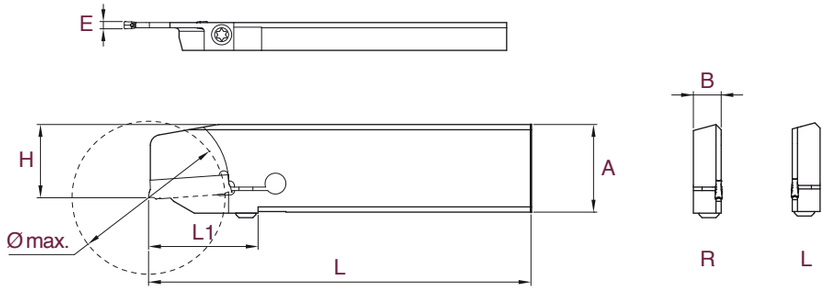


Zurück zum Kapitelanfang



# HUK

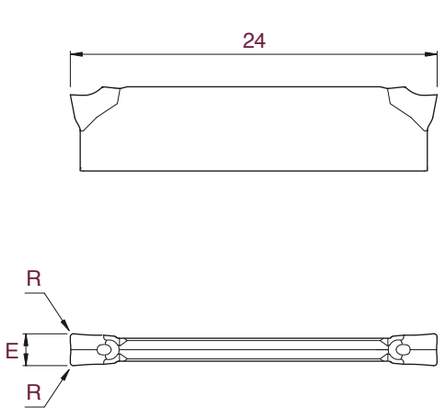
Lames de tronçonnage inversées
Überkopf Stechklinge
Upside down parting-off blades

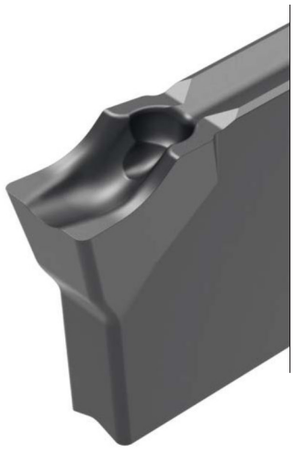



| Plaquettes WSP Inserts | A x B | L | Ø max. | L1 | H | L<br>Art. N° | R<br>Art. N° |
|---|---|---|---|---|---|---|---|
| E 1.5 Type ET15 | 26x8 | 110 | 20 | 19.5 | 21 | ET15-HUK-2608L-110-D20 | ET15-HUK-2608R-110-D20 |
| | 26x8 | 110 | 32 | 25.5 | 21 | ET15-HUK-2608L-110-D32 | ET15-HUK-2608R-110-D32 |
| 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 Zubehöre Spare parts and accessories | Options |
|---|---|
| * | |
| Art. N° | Art. N° |
| V-M4X14.5-T15-EVOCUT | C-T15 |

* livréavec chaquelame
mit jedem Steckling geliefert
delivered with eachblade



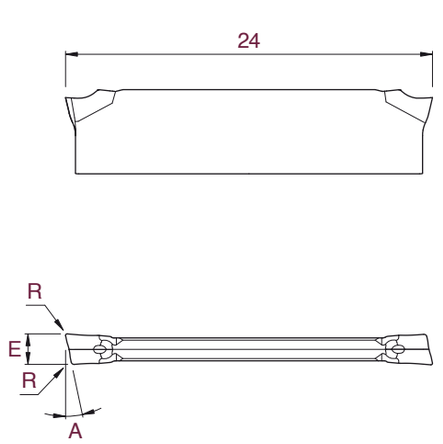



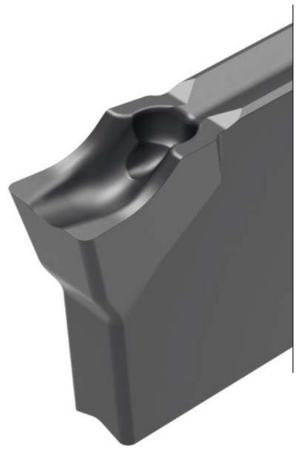
| Type | E ±0.05 | R | Art. N° | UN TiAlN | UN Tmax | UN Zmax | UN ZTi6 |
|---|---|---|---|---|---|---|---|
| ET15 | 1.35 | 0 | ET15-UN-000F | ● | | | |
| | 1.5 | 0.2 | ET15-UN-002 | ● | ● | ● | |
| ET20 | 1.85 | 0 | ET20-UN-000F | ● | | | |
| | 2.0 | 0.2 | ET20-UN-002 | ● | ● | ● | ● |
| ET25 | 2.35 | 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 | ● | ● | ● | ● |



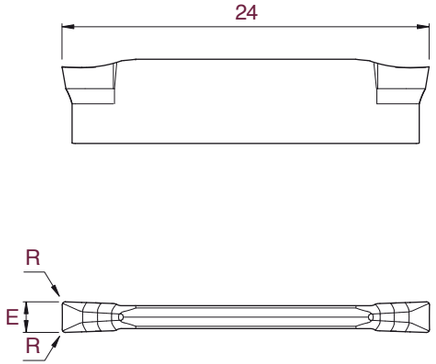
Zurück zum Kapitelanfang





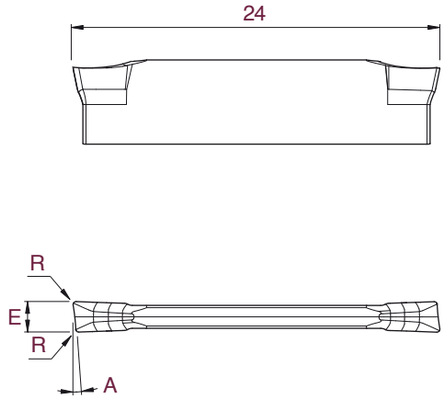
| Type | E ±0.05 | A | R | Art. N° | UL TiAlN | UL Tmax | UL Zmax | Art. N° | UR TiAlN | UR Tmax | UR Zmax |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ET15 | 1.5 | 6° | 0.2 | - | | | | ET15-UR-602 | ● | ● | ● |
| | 1.35 | 8° | 0 | - | | | | ET15-UR-800F | ● | | |
| | 1.5 | 12° | 0.1 | - | | | | 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 | ● | | |





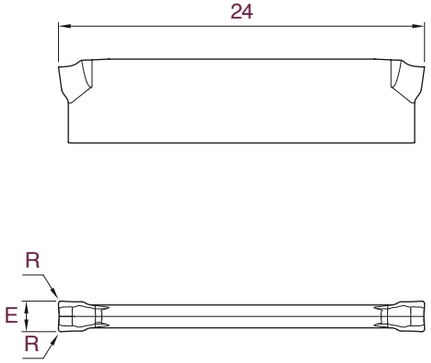

| Type | E ±0.05 | R | Art. N° | P M N S TiAlN | P M Tmax | P M Zmax | P M ZTi6 |
|---|---|---|---|---|---|---|---|
| | | | JN | | | | |
| ET15 | 1.5 | 0.2 | ET15-JN-002 | ● | ● | ● | |
| ET20 | 2.0 | 0.2 | ET20-JN-002 | ● | ● | ● | ● |
| ET25 | 2.5 | 0.3 | ET25-JN-003 | ● | ● | ● | ● |
| ET30 | 3.0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

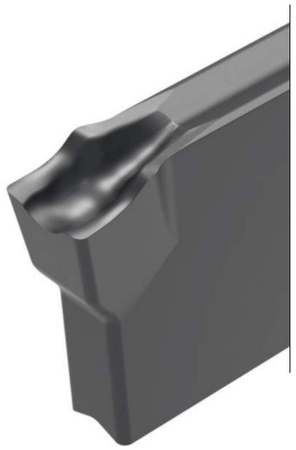







| Type | E ±0.05 | A | R | Art. N° | P M N S TiAlN | P M Tmax | P M Zmax |
|---|---|---|---|---|---|---|---|
| | | | | JR | | | |
| ET15 | 1.5 | 6° | 0.2 | ET15-JR-602 | ● | ● | ● |
| ET20 | 2.0 | 6° | 0.2 | ET20-JR-602 | ● | ● | ● |
| ET25 | 2.5 | 6° | 0.2 | ET25-JR-602 | ● | ● | ● |
| ET30 | 3.0 |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



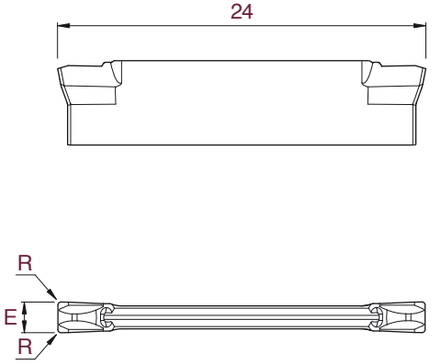



| Type | E ±0.05 | R | Art. N° | Tmax |
|---|---|---|---|---|
| ET20 | 2.0 | 0.2 | ET20-JSN-002 | ● |



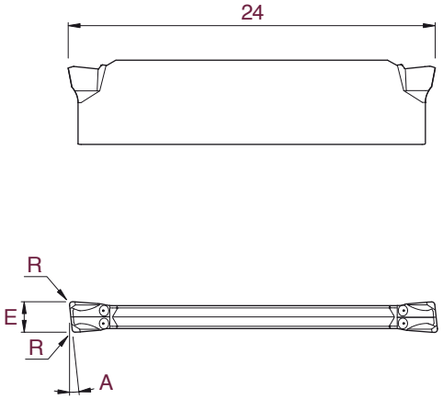
Zurück zum Kapitelanfang







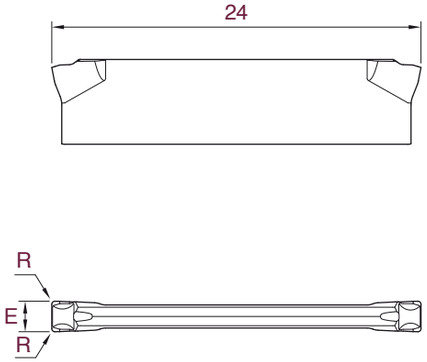

| Type | E ±0.05 | R | Art. N° | TiAlN | Tmax | Zmax | ZTi6 |
|---|---|---|---|---|---|---|---|
| ET20 | 2.0 | 0.2 | ET20-TN-002 | ● | ● | ● | ● |
| ET25 | 2.5 | 0.3 | ET25-TN-003 | ● | ● | ● | ● |
| ET30 | 3.0 | 0.3 | ET30-TN-003 | ● | ● | ● | ● |





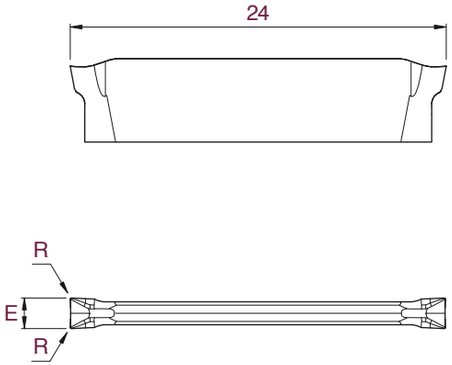

| Type | E ±0.05 | A | R | Art. N° | TiAlN | Tmax | Zmax | ZTi6 |
|---|---|---|---|---|---|---|---|---|
| | | | | TR | | | | |
| ET20 | 2.0 | 6° | 0.2 | ET20-TR-602 | ● | ● | ● | |
| ET25 | 2.5 | 6° | 0.2 | ET25-TR-602 | ● | ● | ● | |
| ET30 | 3.0 | 6° | 0.3 | ET30-TR-603 | ● | ● | ● | ● |








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



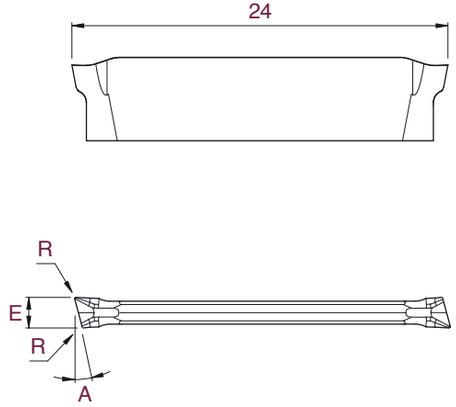



## AN

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

Plaquettes de tronçonnage
Abstechwendeplatten
Cut off inserts








## AR

| Type | E ±0.05 | A | R | Art. N° | TiAlN | AC | N |
|---|---|---|---|---|---|---|---|
| | | | | | M N S | N S | N S |
| ET20 | 2.0 | 15° | 0.1 | ET20-AR-1501F | ● | ● | ● |
| ET30 | 3.0 | 15° | 0.2 | ET30-AR-1502F | ● | ● | ● |