TURN-Line

APPLITEC
CUTTING TOOLS

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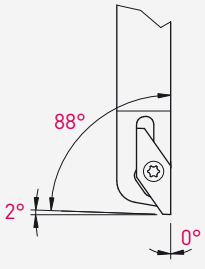
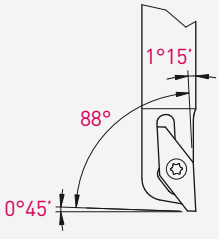
88°

Tournage avant
Vorwärts drehen
Front turning

310 / 320



310-BC / 320-BC

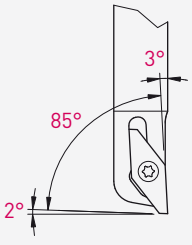


> 8.12

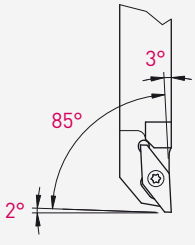
85°

Tournage avant
Vorwärts drehen
Front turning

330 / 340



340-JET



> 8.16

Codification des porte-outils
Kodifizierung für Halter
Coding guide for holders

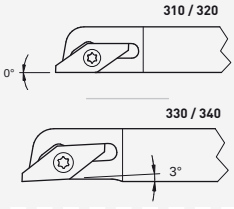
3	2	0	-	12	-	90	-	JET / BC

JET — Ou / Oder / Or
BC — Ou / Oder / Or

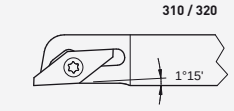
Porte-outil
Halter
Holders

A x B

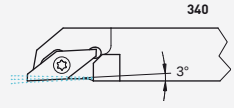
Longueur
Länge
Length



BC



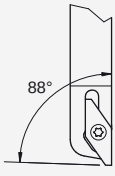
JET



Gamme de produit **Produktserie** **Product series**	définit la compatibilité des plaquettes avec le porte-outil bestimmt die WSP und Halter Kompatibilität shows the inserts and holder compatibility
L = 1, 3	(chiffre impair / ungerade Zahl / uneven number)
R = 2, 4	(chiffre pair / gerade Zahl / even number)

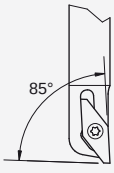
L	R
310	320

pour machine à cames
für kurvengesteuerte Maschinen
for cam driven machines



L	R
330	340

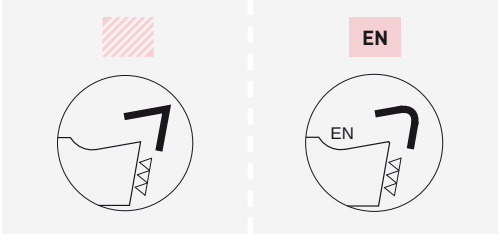
main series



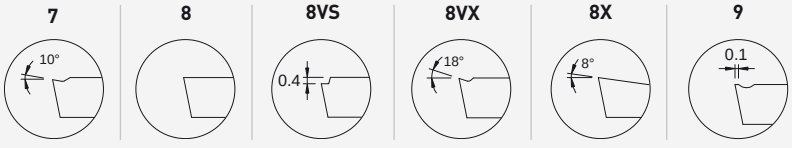
Applitec série 300	Système de serrage à 3 points de contact
Applitec 300 Serie	Spannsystem mit 3 Kontaktpunkten
Applitec 300 series	Three-point clamping system

Codification des plaquettes
Kodifizierung für WSP
Coding guide for inserts

3	4	7	-	EN	-	R10	-	TIALX
				Ou / Oder / Or		Rayon Radius Radius		Nuance Sorte Grade



Géométrie de coupe **Schneidgeometrie** **Cutting geometry**	brise-copeau Spanbrecher chip breaker	particularités Sondereigenschaften special features



Gamme de produit **Produktserie** **Product series**	définit la compatibilité des plaquettes avec le porte-outil bestimmt die WSP und Halter Kompatibilität shows the inserts and holder compatibility

L = 1, 3 (chiffre impair / ungerade Zahl / uneven number)

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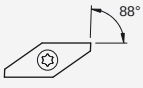
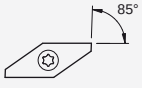
L	R
310	320

pour machine à cames
für kurvengesteuerte Maschinen
for cam driven machines



L	R
330	340

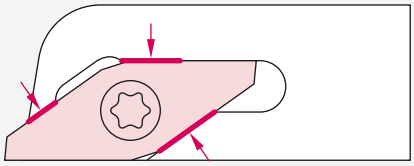
main series



Applitec série 300	Système de serrage à 3 points de contact
Applitec 300 Serie	Spannsystem mit 3 Kontaktpunkten
Applitec 300 series	Three-point clamping system

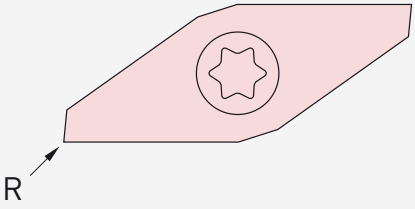
3 contact points

Pour de meilleures performances
Für bessere Leistung
For better performance



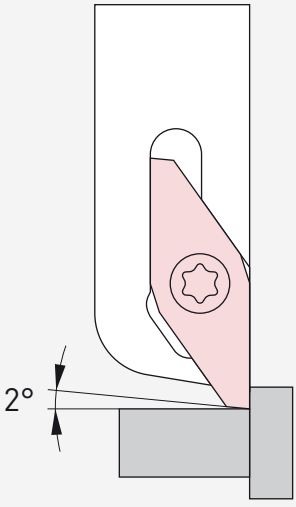
R min = 0

Disponible avec et sans rayon
Verfügbar mit und ohne Radius
Available with and without radius



Wiper effect

Pour un meilleur état de surface
Für eine bessere Oberflächengüte
For a better surface finish



Conseils d'utilisation
Anwendungsempfehlungen
Application recommendations

Géométries de coupe Spanformgeometrien Cutting geometry		P Acier de décolletage Automatenstahl Free-cutting steel	P Acier Stahl Steel	M Acier inoxydable Rostfreistahl Stainless steel	N Aluminium	N Laiton, bronze Messing, Bronze Brass, bronze	N Cuivre Kupfer Copper	S Titane Titane Titanium	
									★ 1er choix 1. Wahl 1st choice
									☆ Recommandé Empfohlen Recommended
									✓ Pour pièces fragiles de très petits diamètres Für zerbrechliche Teile mit sehr kleinen Durchmessern For fragile and very small work pieces
	3_7	★	★	★	★		★	☆	Géométrie universelle, très bonne maîtrise du copeau Allgemeine Geometrie, sehr gute Spankontrolle All-round insert with efficient chip control
	3_7-EN	☆	★	☆					Arête renforcée (augmente l'effort de coupe) Verstärkte Schneidkante (Schneidkrafterhöhung) Reinforced cutting edge (increases cutting force) f min : 0.02 mm/U
	3_8	✓	✓	✓		★			Géométrie plate classique Standard flache Geometrie Standard flat geometry
	3_8VS	☆		☆	✓		✓	✓	Brise-copeau pour usinage léger en finition Spanbrecher für leichte Schlichtbearbeitung Chip-breaker for light finishing operation
	3_8VX	★	★	★	★		★	★	Très bonne maîtrise du copeau Sehr gute Spankontrolle Very efficient chip control
	3_8X	★	★	★	☆		☆	★	Coupe positive traditionnelle Standard positive Geometrie Standard positive geometry
	3_9	☆	☆	☆		☆			Témoin plat sur la coupe pour réduire les vibrations Vibrationsreduzierung durch einer Flachfase und der Schneidkante Vibration reduction through flat ended cutting edge

µK20

TiAlN

K20

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

TF F **M** E

P ★★★★★
M ★★★★★
N ★★★★☆
S ★★★★☆

- excellente nuance universelle
- 1er choix pour l'usinage des aciers, aciers inoxydables et alliages de titane
- très bonne résistance à la température

- beste Universalsorte
- erste Wahl für die Bearbeitung von Stahl, rostfreien Stähle und Titanlegierungen
- sehr gute Warmfestigkeit

- best universal grade
- first choice for steel, stainless steel and titanium alloys machining
- very good heat resistance

µK20

TiAlX

K20

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

TF **F** M E

P ★★★★☆
M ★★★★★
N ★☆☆☆☆
S ★★★★★

- nuance très résistante à l'usure et à la température, recommandée pour l'usinage des matières suivantes : inox 304, 316L, 317L, 904, Phynox
- aciers alliés contenant : chrome nickel, vanadium, molybdène, ...

- sehr verschleissfeste und temperaturbeständige Sorte, für folgende Materialien empfohlen : Inox 304, 316L, 317L, 904, Phynox
- legierter Stahl enthaltend : Chrom-Nickel, Vanadium, Molybdän, ...

- very wear and high temperature resistant grade, recommended for following material : Inox 304, 316L, 317L, 904, Phynox
- alloy steel containing : Chrome-nickel, Vanadium, Molybdenum, ...

µK20

ST

K20

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

TF F **M** E

P ★★★★★
M ★★★★★
N ★★★★☆
S ★★★★☆

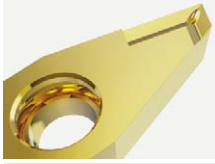
- nuance résistante à la température, destinée à l'usinage des matières suivantes : Inox, titane allié, alliages à base de nickel, chrome cobalt, les matières avec une dureté supérieure à > 50 HRC

- verschleissfeste und temperaturbeständige Sorte, für folgende Materialien empfohlen : Inox, legiertes Titan, Nickellegierungen, Chrom-Kobalt, Materialien härter als > 50 HRC

- wear and temperature-resistant grade, recommended for following materials : Inox, titanium alloys, nickel-based alloys, chrome-cobalt, and materials harder than > 50 HRC

µK20

TiN



K20

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

TF F **M** E

P ★★★★☆
M ★★★★☆
N ★★★☆☆
S ☆☆☆☆☆

- nuance pour l'usinage des matières peu résistantes qui créent des arêtes rapportées
- très faible coefficient de frottement
- à éviter pour l'usinage du titane

- Sorte für die Bearbeitung von weichen Werkstoffen mit Tendenz zur Bildung von Aufbauschneiden
- sehr geringer Reibwert
- bei der Bearbeitung von Titan zu vermeiden

- grade for the machining of low resistance materials which causes edge build-up
- very low friction ratio
- not suitable for titanium machining

µK20

N

K20

Non revêtu
Unbeschichtet
Uncoated

P ★☆☆☆☆
M ★☆☆☆☆
N ★★★☆☆
S ★★★☆☆

- supporte les coupes interrompues et autres conditions d'usinage défavorables

- für unterbrochene Schnitte und andere ungünstige Bearbeitungsbedingungen geeignet

- suitable for interrupted cut and other unfavourable machining conditions

µK10

HTA

K10

µK10 + revêtement PVD
µK10 + PVD Beschichtung
µK10 + PVD coating

TF F **M** E

P ★★★★★
M ★★★★★
N ★★★★☆
S ★★★★☆

- nuance très résistante à l'usure
- pour l'usinage en finition dans des conditions favorables des aciers, aciers inoxydables et alliages de titane

- sehr verschleissfeste Sorte
- für die Feinbearbeitung von Stähle, rostfreien Stähle und Titanlegierungen bei guten Bearbeitungsbedingungen

- very wear resistant grade
- for light machining of steel, stainless steel and titanium alloys under favourable machining conditions

µK10

HTAX

K10

µK10 + revêtement PVD
µK10 + PVD Beschichtung
µK10 + PVD coating

TF **F** M E

P ★★★★☆
M ★★★★★
N ★☆☆☆☆
S ★★★★★

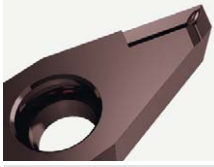
- nuance très résistante à l'usure et à la température, pour l'usinage en finition avec faible avance de petites pièces. Recommandée pour l'usinage des matières suivantes : inox 304, 316L, 317L, 904, Phynox
- aciers alliés contenant : chrome nickel, vanadium, molybdène, ...

- sehr verschleissfeste und temperaturbeständige Sorte, für Feinbearbeitung von kleinen Teilen mit geringer Vorschub. Für folgende Materialien empfohlen : Inox 304, 316L, 317L, 904, Phynox
- legierter Stahl enthaltend : Chrom-Nickel, Vanadium, Molybdän, ...

- very wear and high temperature resistant grade, for light machining of small parts with low cutting feed. Recommended for following material : Inox 304, 316L, 317L, 904, Phynox
- alloy steel containing : Chromenickel, Vanadium, Molybdenum, ...

µK10

HST



K10

µK10 + revêtement PVD
µK10 + PVD Beschichtung
µK10 + PVD coating

TF F **M** E

P ★★★★★
M ★★★★★
N ★★★★☆
S ★★★★☆

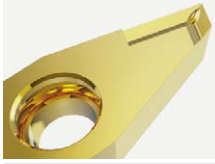
- nuance résistante à la température et à l'usure pour des opérations de finition
- recommandé pour l'usinage des matières suivantes : Inox, titane allié, alliages à base de nickel, chrome cobalt, les matières avec une dureté supérieure à > 50 HRC

- verschleissfeste und temperaturbeständige Sorte für Feinbearbeitungen
- für folgende Materialien empfohlen : Inox, legiertes Titan, Nickellegierungen, Chrom-Kobalt, Materialien härter als > 50 HRC

- wear- and temperature-resistant grade for finishing operations
- recommended for the following materials : Inox, titanium alloys, nickel-based alloys, chrome-cobalt, and materials harder than > 50 HRC

µK10

HTiN



K10

µK10 + revêtement PVD
µK10 + PVD Beschichtung
µK10 + PVD coating

TF F **M** E

P ★★★★☆
M ★★★★☆
N ★★★☆☆
S ☆☆☆☆☆

- nuance pour l'usinage en finition des matières peu résistantes qui créent des arêtes rapportées
- très faible coefficient de frottement
- à éviter pour l'usinage du titane

- Sorte für die Feinbearbeitung von weichen Werkstoffen mit Tendenz zur Bildung von Aufbauschneiden
- sehr geringer Reibwert
- für die Bearbeitung von Titan nicht geeignet

- grade for light machining of low resistance materials which causes edge build-up
- very low friction ratio
- not suitable for titanium machining

µK10

HN

K10

Non revêtu
Unbeschichtet
Uncoated

P ★☆☆☆☆
M ★☆☆☆☆
N ★★★☆☆
S ★★★☆☆

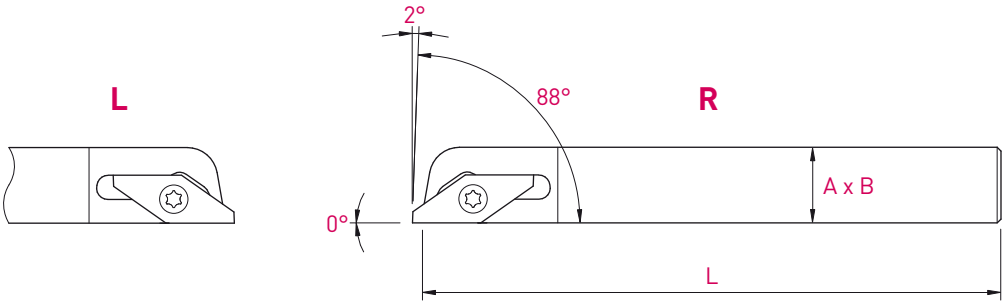
- nuance micro-grain très résistante à l'usure
- recommandé pour l'usinage du titane faiblement allié
- déconseillé en cas de coupe interrompue et autres conditions d'usinage défavorables

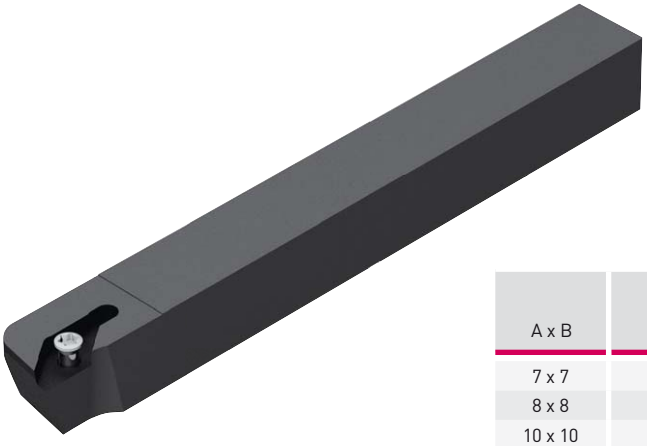
- verschleissfeste Feinkornsorte
- für die Bearbeitung von niedrig legiertem Titan empfehlenswert
- für unterbrochene Schnitte und andere ungünstige Bearbeitungsbedingungen nicht geeignet

- wear resistant micro-grain grade
- suitable for the machining of low alloyed titanium
- not suitable for interrupted cut and other unfavourable machining conditions

Paramètres de coupe indicatifs
Empfohlene Schnittwerte
Standard machining data

Matière Werkstoff Material			Tournage Drehen Turning VC (m/min)	Prof. de passe Schnitttiefe Depth of cut (mm)	Avance Vorschub Feed (mm/U)
Acier de décolletage Automatenstahl Free-cutting steel		P	120 - 200	0.05 - 1.0 1.0 - 4.0	0.01 - 0.15 0.05 - 0.25
Acier Stahl Steel	< 600 N/mm²	P	80 - 160	0.05 - 1.0 1.0 - 4.0	0.01 - 0.15 0.05 - 0.25
Acier Stahl Steel	< 800 N/mm²	P	60 - 120	0.05 - 1.0 1.0 - 4.0	0.01 - 0.10 0.05 - 0.20
Acier Stahl Steel	> 800 N/mm²	P	50 - 100	0.05 - 1.0 1.0 - 3.0	0.01 - 0.08 0.05 - 0.15
Acier inoxydable Rostfreistahl Stainless steel		M	60 - 120	0.05 - 1.0 1.0 - 3.0	0.01 - 0.08 0.05 - 0.15
Aluminium Si <12%		N	200 - 1000	0.05 - 1.0 1.0 - 4.0	0.01 - 0.20 0.05 - 0.40
Aluminium Si >12%		N	180 - 800	0.05 - 1.0 1.0 - 4.0	0.01 - 0.20 0.05 - 0.40
Cuivre, laiton, bronze Kupfer, Messing, Bronze Copper, brass, bronze		N	100 - 500	0.05 - 1.0 1.0 - 4.0	0.01 - 0.20 0.05 - 0.35
Titane Titan Titanium		S	30 - 70	0.05 - 1.0 1.0 - 4.0	0.01 - 0.08 0.05 - 0.15





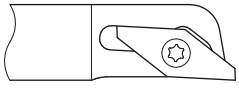
A x B	L	L Art. N°	R Art. N°
7 x 7	115	**310-7**	**320-7**
8 x 8	115	**310-8**	**320-8**
10 x 10	115	**310-10**	**320-10**
10 x 10	140	**-**	**320-10-140**
12 x 12	115	**310-12**	**320-12**
12 x 12	90	**310-12-90**	**320-12-90**
12 x 12	140	**310-12-140**	**320-12-140**
12.7 x 12.7	140	**310-12.7**	**320-12.7**
16 x 16	100	**310-16**	**320-16**
16 x 16	140	**310-16-140**	**320-16-140**
20 x 20	120	**310-20**	**320-20**

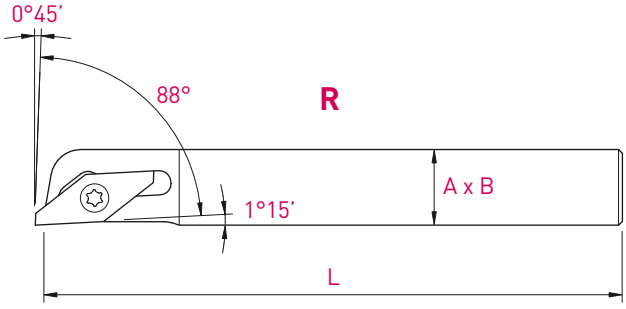
Chaque support est livré avec une ou plusieurs vis. Les clés sont à commander séparément.
Jeder Halter wird mit einer oder mehreren Schrauben geliefert. Die Schlüssel sind separat zu bestellen.
Each holder is supplied with one or more screws. The keys must be ordered separately.

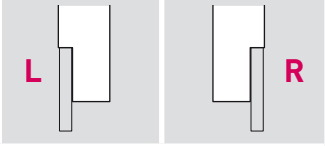
Porte-outils
Halter
Holders

88°

310-BC / 320-BC







A x B	L	Art. N°	Art. N°
7 x 7	115	**310-7-BC**	**320-7-BC**
8 x 8	115	**310-8-BC**	**320-8-BC**
10 x 10	115	**310-10-BC**	**320-10-BC**
10 x 10	140	**-**	**320-10-140-BC**
12 x 12	115	**310-12-BC**	**320-12-BC**
12 x 12	90	**310-12-90-BC**	**320-12-90-BC**
12 x 12	140	**310-12-140-BC**	**320-12-140-BC**
12.7 x 12.7	140	**310-12.7-BC**	**320-12.7-BC**
16 x 16	100	**310-16-BC**	**320-16-BC**
16 x 16	140	**310-16-140-BC**	**320-16-140-BC**
20 x 20	120	**310-20-BC**	**320-20-BC**

Porte-outils Halter Holders	Serrage standard (A) Standard Spannsystem (A) Standard clamping system (A)	Option
310-7 / 320-7	**V-M2.5X6.5-T8**	**C-T8**
310-8 - 310-20 320-8 - 320-20	**V-M2.5X7.8-T8**	

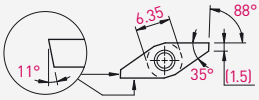
Chaque support est livré avec une ou plusieurs vis.
Les clés sont à commander séparément.

Jeder Halter wird mit einer oder mehreren Schrauben geliefert.
Die Schlüssel sind separat zu bestellen.

Each holder is supplied with one or more screws.
The keys must be ordered separately.

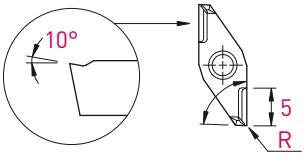
310 / 320

88°



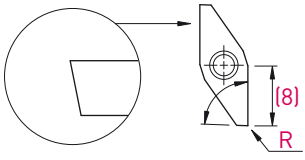
Tournage avant
Vorwärts drehen
Front turning

317 / 327



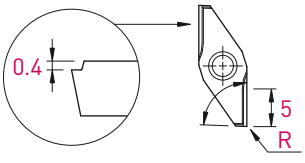
R	L Art. N°	P M N S TiAlN	P M N TiN	P N S N (µK20)	P M N S HTA	P M N HTiN	P N S HN (µK10)	R Art. N°	P M N S TiAlN	P M N TiN	P N S N (µK20)	P M N S HTA	P M N HTiN	P N S HN (µK10)
0	317	●	●	●	●	●	●	327	●	●	●	●	●	●
0.03	317-R03	●	●	●	●	●	●	327-R03	●	●	●	●	●	●
0.08	317-R08	●	●	●	●	●	●	327-R08	●	●	●	●	●	●
0.10	317-R10	●	●	●	●	●	●	327-R10	●	●	●	●	●	●
0.20	317-R20	●	●	●	●	●	●	327-R20	●	●	●	●	●	●

318 / 328



R	L Art. N°	P M N HTA	P M N HTiN	P N HN (µK10)	R Art. N°	P M N HTA	P M N HTiN	P N HN (µK10)
0	318	●	●	●	328	●	●	●
0.05	318-R05	●	●	●	328-R05	●	●	●
0.10	318-R10	●	●	●	328-R10	●	●	●
0.20	318-R20	●	●	●	328-R20	●	●	●
0.40	318-R40	●	●	●	328-R40	●	●	●

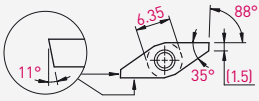
318VS / 328VS



R	L Art. N°	P M N S HTA	P M N HTiN	P N S HN (µK10)	R Art. N°	P M N S HTA	P M N HTiN	P N S HN (µK10)
0	318VS	●	●	●	328VS	●	●	●
0.10	318VS-R10	●	●	●	328VS-R10	●	●	●

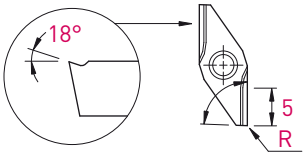
Tournage avant
Vorwärts drehen
Front turning

88°



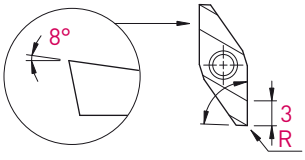
310 / 320

318VX / 328VX



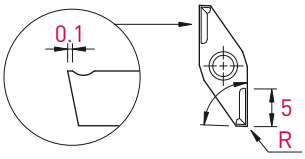
R	L Art. N°	HTA	HTiN	HN (µk10)	R Art. N°	HTA	HTiN	HN (µk10)
0	318VX	●	●	●	328VX	●	●	●
0.05	318VX-R05	●	●	●	328VX-R05	●	●	●
0.10	318VX-R10	●	●	●	328VX-R10	●	●	●
0.20	-				328VX-R20	●	●	●
0.40	-				328VX-R40	●		●

318X / 328X

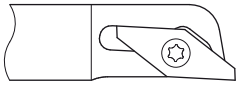


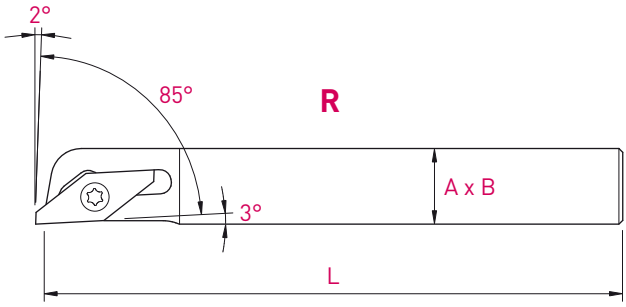
R	L Art. N°	HTA	HTiN	HN (µk10)	R Art. N°	HTA	HTiN	HN (µk10)
0	318X	●	●	●	328X	●	●	●
0.10	318X-R10	●	●	●	328X-R10	●	●	●

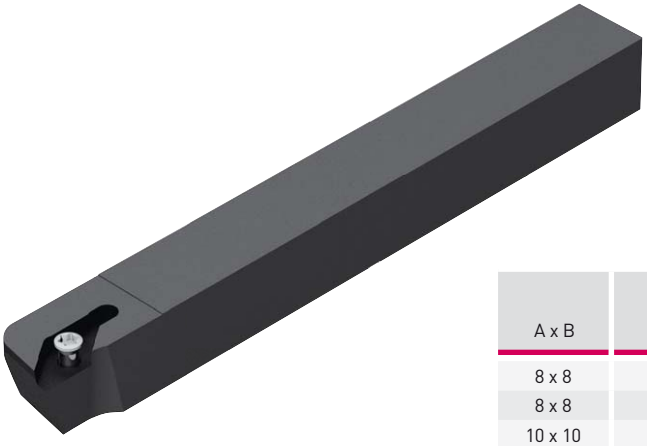
319 / 329

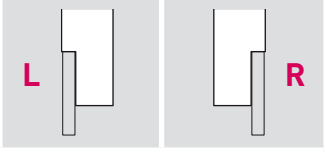


R	L Art. N°	HTA	HTiN	HN (µk10)	R Art. N°	HTA	HTiN	HN (µk10)
0	319	●	●	●	329	●	●	●
0.10	319-R10	●	●	●	329-R10	●	●	●
0.20	319-R20	●	●	●	329-R20	●	●	●









A x B	L	Art. N°	Art. N°
8 x 8	90	-	**340-8-90**
8 x 8	115	**330-8**	**340-8**
10 x 10	115	**330-10**	**340-10**
10 x 10	140	-	**340-10-140**
12 x 12	115	**330-12**	**340-12**
12 x 12	90	**330-12-90**	**340-12-90**
12 x 12	140	**330-12-140**	**340-12-140**
12.7 x 12.7	140	**330-12.7**	**340-12.7**
16 x 16	100	**330-16**	**340-16**
16 x 16	140	**330-16-140**	**340-16-140**
20 x 20	120	**330-20**	**340-20**

Porte-outils Halter Holders	Serrage standard (A) Standard Spannsystem (A) Standard clamping system (A)	Option
330	**V-M2.5X7.8-T8**	**C-T8**
340		

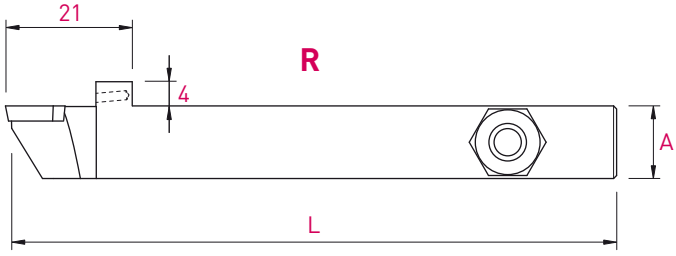
Chaque support est livré avec une ou plusieurs vis.
Les clés sont à commander séparément.

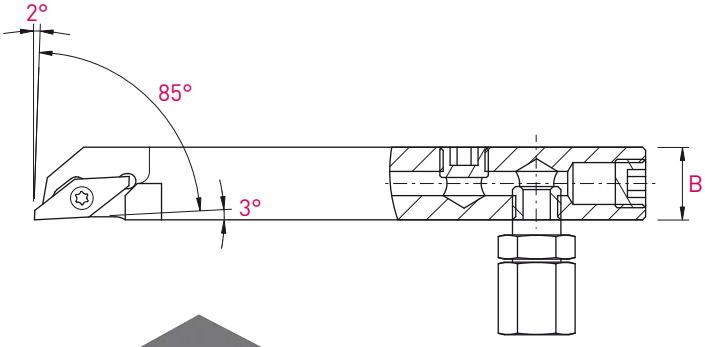
Jeder Halter wird mit einer oder mehreren Schrauben geliefert.
Die Schlüssel sind separat zu bestellen.

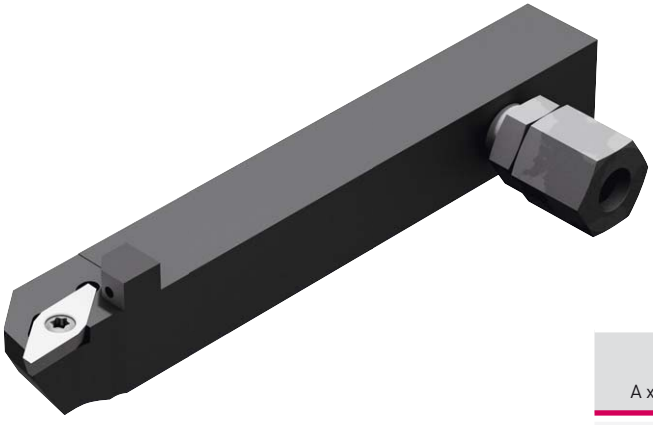
Each holder is supplied with one or more screws.
The keys must be ordered separately.

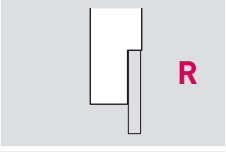
Porte-outils avec arrosage intégré
Halter mit integrierter Kühlmittelzufuhr
Holders with integrated coolant supply

85° **340-JET**

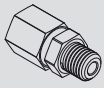
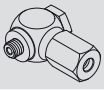








A x B	L	Art. N°
8 x 10	100	**340-0810-JET**
10 x 12	100	**340-1012-JET**
12 x 12	100	**340-12-JET**
12.7 x 12.7	100	**340-12.7-JET**
16 x 16	100	**340-16-JET**
20 x 20	100	**340-20-JET**

Pièces de rechange Ersatzteile Spare parts		Option 	
	Art. N°	**Art. N°**	**Art. N°**
340-0810-JET	**J-M5-D5**	**JC-M5-D5**	**JB-M5**
340-JET	**J-M8X1-D6**	**–**	**JB-M8X1**

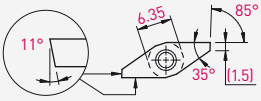
Chaque support est livré avec une ou plusieurs vis.
Les clés sont à commander séparément.

Jeder Halter wird mit einer oder mehreren Schrauben geliefert.
Die Schlüssel sind separat zu bestellen.

Each holder is supplied with one or more screws.
The keys must be ordered separately.

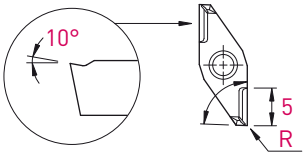
330 / 340

85°



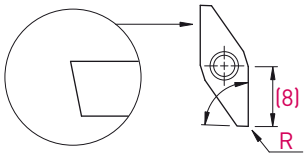
Tournage avant
Vorwärts drehen
Front turning

337 / 347



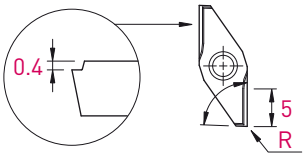
R	L Art. N°	TiAlN	TiAlX	TiN	N (µK20)	HTA	HTAX	HTiN	HN (µK10)	R Art. N°	ST	TiAlN	TiAlX	TiN	N (µK20)	HST	HTA	HTAX	HTiN	HN (µK10)
0	337	●		●	●	●		●	●	347	●	●	●	●	●	●	●	●	●	●
0.03	337-R03	●		●	●	●		●	●	347-R03	●	●	●	●	●	●	●	●	●	●
0.08	337-R08	●		●	●	●		●	●	347-R08	●	●	●	●	●	●	●	●	●	●
0.10	337-R10	●		●	●	●		●	●	347-R10	●	●	●	●	●	●	●	●	●	●
0.20	337-R20	●		●	●	●		●	●	347-R20	●	●	●	●	●	●	●	●	●	●
0.35	-									347-R35	●	●	●	●	●	●	●	●	●	●
0	337-EN	●		●	●					347-EN	●	●	●	●	●	●	●	●		●
0.03	337-EN-R03	●			●	●			●	347-EN-R03	●	●	●		●	●	●	●		●
0.08	337-EN-R08	●			●					347-EN-R08	●	●	●	●	●	●	●	●		●
0.10	337-EN-R10	●		●	●					347-EN-R10	●	●	●	●	●	●	●	●		●
0.20	337-EN-R20	●			●					347-EN-R20	●	●	●	●	●	●	●	●		●
0.35	-									347-EN-R35	●		●	●	●	●	●	●		●

338 / 348



R	L Art. N°	HTA	HTiN	HN (µK10)	R Art. N°	HTA	HTiN	HN (µK10)
0	338	●	●	●	348	●	●	●
0.05	338-R05	●	●	●	348-R05	●	●	●
0.10	338-R10	●	●	●	348-R10	●	●	●
0.20	338-R20	●	●	●	348-R20	●	●	●
0.40	338-R40	●	●	●	348-R40	●	●	●

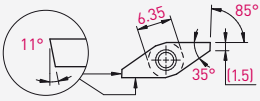
338VS / 348VS



R	L Art. N°	HTA	HTiN	HN (µK10)	R Art. N°	HTA	HTiN	HN (µK10)
0	338VS	●	●	●	348VS	●	●	●
0.10	338VS-R10	●	●	●	348VS-R10	●	●	●

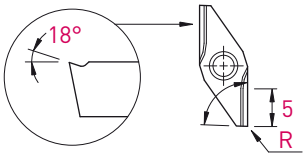
Tournage avant
Vorwärts drehen
Front turning

85°



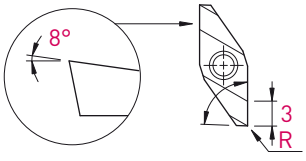
330 / 340

338VX / 348VX



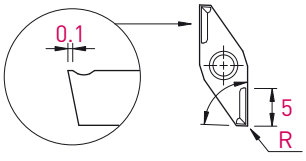
R	L Art. N°	HTA	HTiN	HN (µk10)	R Art. N°	HTA	HTiN	HN (µk10)
0	338VX	●	●	●	348VX	●	●	●
0.05	338VX-R05	●	●	●	348VX-R05	●	●	●
0.10	338VX-R10	●	●	●	348VX-R10	●	●	●

338X / 348X



R	L Art. N°	HTA	HTiN	HN (µk10)	R Art. N°	HTA	HTiN	HN (µk10)
0	338X	●	●	●	348X	●	●	●
0.10	338X-R10	●	●	●	348X-R10	●	●	●

339 / 349



R	L Art. N°	HTA	HTiN	HN (µk10)	R Art. N°	HTA	HTiN	HN (µk10)
0	339	●	●	●	349	●	●	●
0.10	339-R10	●	●	●	349-R10	●	●	●
0.20	339-R20	●	●	●	349-R20	●	●	●

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**	●		●			

● Article standard
Standardartikel
Standard item

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 et superalliages
Titan und Superlegierungen
Titanium and superalloys

H Acier trempé
Gehärteter Stahl
Hardened steel

K Fonte
Gusseisen
Cast iron

O Matière exotique
Exotisches material
Exotic material

Carbure
Hartmetall
Carbide

TiAlN

K20

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

P ★★★★★
M ★★★★★
N ★★★★☆
S ★★★★☆

TF — F — M — E

Épaisseur du revêtement
Dicken der Beschichtung
Thickness of the coating

TF Très fin
Sehr dünn
Very thin

F Fin
Dünn
Thin

M Moyen
Mittel
Medium

E Épais
Dick
Thick