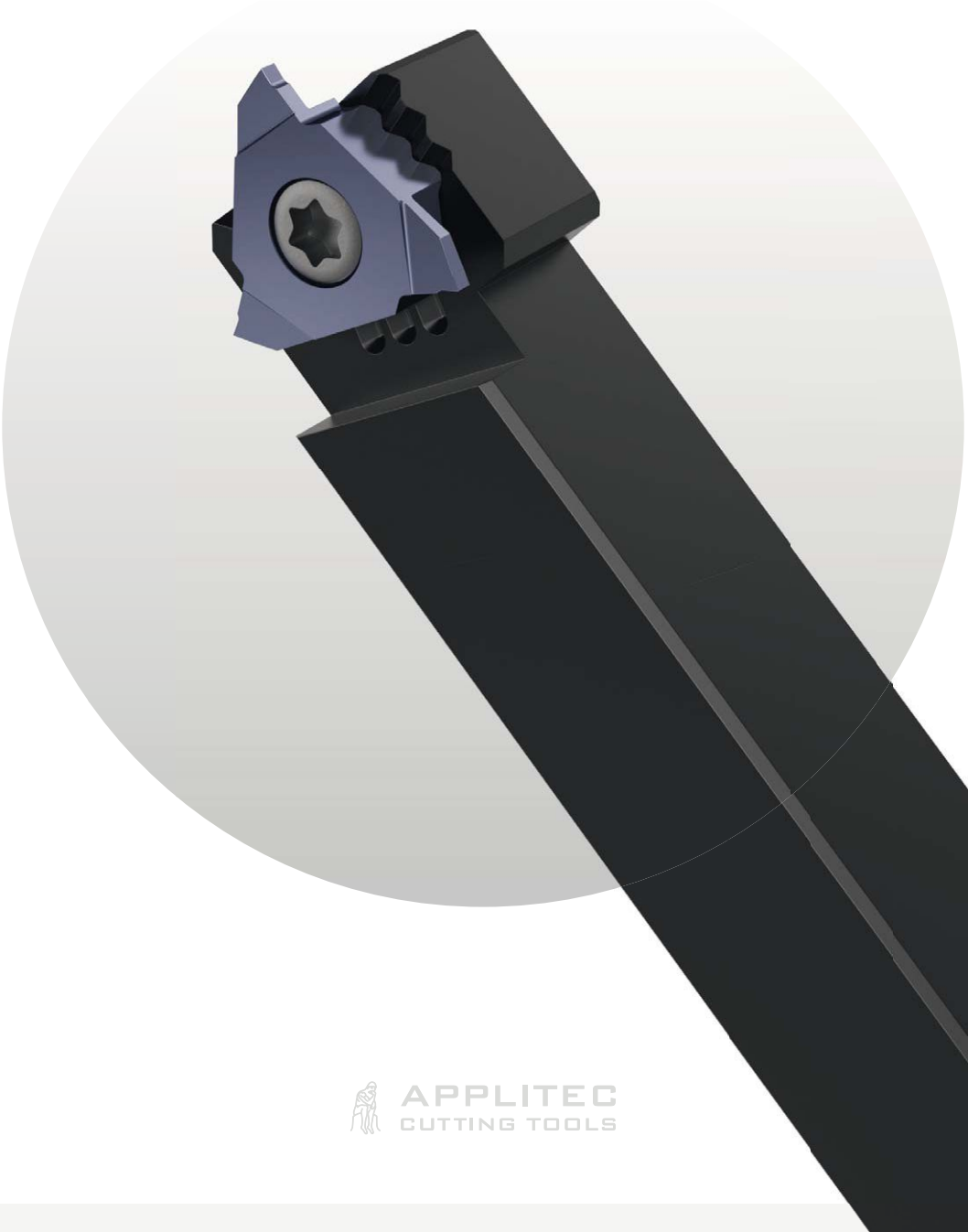
TRIO-Line



APPLITEC
CUTTING TOOLS

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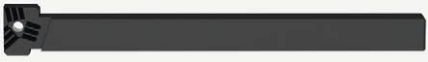
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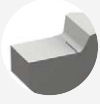
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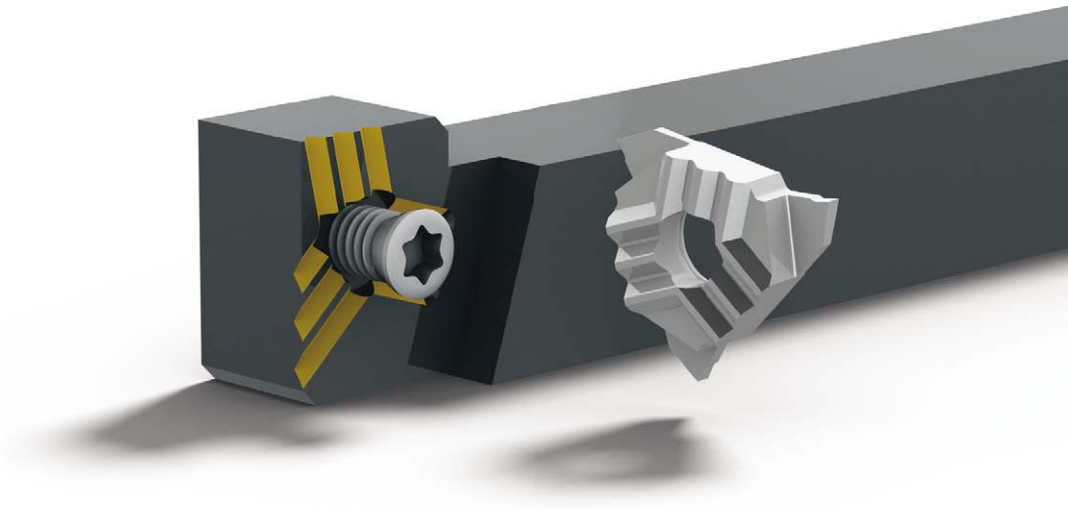
Rigid clamping system with the famous Applitec teeth clamping



Avantages Vorteile Advantages		
• dimensions spécifiques • système de serrage à denture à 1 vis • pour opération de faible profondeur • solution optimisée (proportion réduite de carbure pour un équilibre parfait entre coût et performance)	• spezifische Abmessungen • Spannsystem mit 1 Schraube • für geringe Tiefenbearbeitung • optimierte Lösung (reduzierte Hartmetallschicht für ein perfektes Gleichgewicht zwischen Kosten und Leistung)	• specific dimensions • clamping system with 1 screw • for shallow operation • optimized solution (reduced carbide layer for a perfect balance between cost and performance)

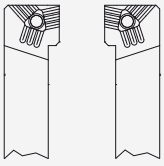
Codification des porte-outils
Kodifizierung für Halter
Coding guide for holders

T	2	1	6	–	H	0	8	1	0	R	–	90

Ou / Oder / Or

Porte-outils
Halter
Holders

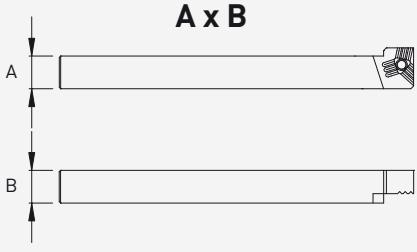
L **R**



Longueur
Länge
Length

A x B	L
8x10	115
10x10	130
12x12	130
16x16	120
20x20	130

A x B

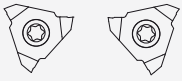


Applitec TRIO-Line	Système de serrage à denture avec 1 vis de fixation
Applitec TRIO-Line	Spannsystem mit Verzahnung mit 1 Spannschraube
Applitec TRIO-Line	Teeth clamping system with 1 screw

Codification des plaquettes
Kodifizierung für WSP
Coding guide for inserts

T	2	1	6	R	–	GX	026	–	HTA

L **R**

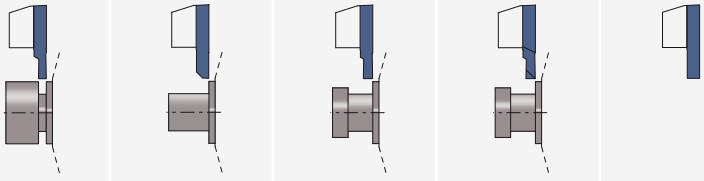


Nuance
Sorte
Grade

Épaisseur de coupe
Schnittbreite
Cutting thickness

Géométrie d'usinage
Bearbeitungsgeometrie
Machining geometry

GX	FT	GT	GTX	EP
Grooving	**Front turning**	**Grooving / turning**	**Grooving / turning positiv**	**Blank**



Applitec TRIO-Line	Système de serrage à denture avec 1 vis de fixation
Applitec TRIO-Line	Spannsystem mit Verzahnung mit 1 Spannschraube
Applitec TRIO-Line	Teeth clamping system with 1 screw

Nuances
Sorten
Grades

µK10

HN

K10

Non revêtu
Unbeschichtet
Uncoated

P ★☆☆☆☆
M ★☆☆☆☆
N ★★★☆☆
S ★★★☆☆

- nuance micro-grain très résistante à l'usure
- recommandé pour l'usinage du laiton, de l'aluminium et du titane faiblement allié
- pour pièces fragiles de très petits diamètres

- sehr verschleissfeste Feinkornsorte
- für die Bearbeitung von Messing und niedrig legiertem Aluminium und Titan empfehlenswert
- für empfindliche und sehr kleine Werkstücke

- very wear resistant micro-grain grade
- suitable for the machining of brass and low alloyed aluminium and titanium
- for fragile and very small work pieces

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 Stahl, rostfreiem Stahl und Titanlegierungen bei guten Bearbeitungsbedingungen

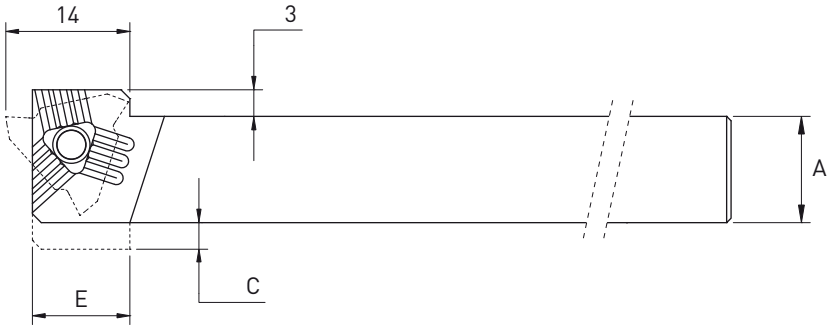
- very wear resistant grade
- for light machining of steel, stainless steel and titanium alloys under favourable machining conditions

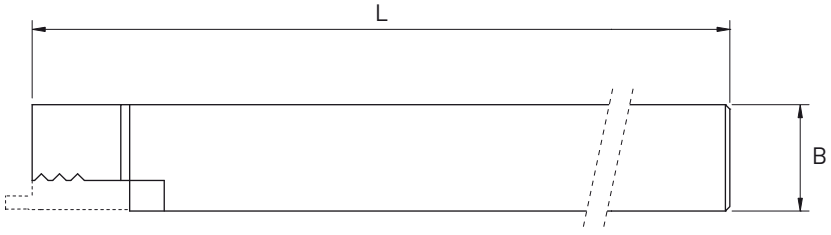
Paramètres de coupe indicatifs
Empfohlene Schnittwerte
Standard machining data

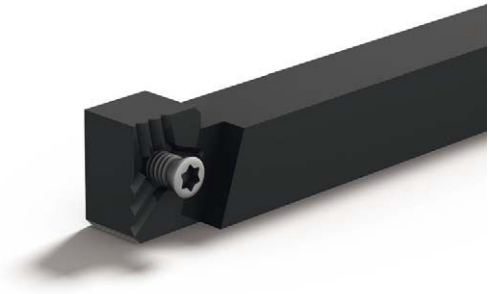
		FT GT GTX Tournage Drehen Turning		GX GT GTX Foncer Einstechen Grooving	
Matière Werkstoff Material		VC (m/min)	F (mm/U)	VC (m/min)	F (mm/U)
Acier de décolletage Automatenstahl Free-cutting steel	P	120 - 200	0.01 - 0.20	80 - 150	0.01 - 0.15
Acier Stahl Steel < 600 N/mm²	P	80 - 160	0.01 - 0.18	70 - 120	0.01 - 0.12
Acier Stahl Steel < 800 N/mm²	P	60 - 120	0.01 - 0.15	60 - 100	0.01 - 0.10
Acier Stahl Steel > 800 N/mm²	P	50 - 100	0.01 - 0.12	40 - 80	0.01 - 0.08
Acier inoxydable Rostfreistahl Stainless steel	M	60 - 120	0.01 - 0.15	60 - 100	0.01 - 0.08
Aluminium	N	180 - 800	0.01 - 0.30	150 - 300	0.01 - 0.20
Cuivre, laiton, bronze Kupfer, Messing, Bronze Copper, brass, bronze	N	100 - 500	0.01 - 0.30	100 - 300	0.01 - 0.20
Titane Titan Titanium	S	30 - 70	0.01 - 0.12	30 - 50	0.01 - 0.06

T216-L/R

Porte-outils
Halter
Holders







AxB	C	E	L	L Art. N°	R Art. N°
8x10	4	11	115	**T216-H0810L**	**T216-H0810R**
10x10	2	8	130	**T216-H1010L**	**T216-H1010R**
12x12	-	-	130	**T216-H1212L**	**T216-H1212R**
12x12	-	-	90	**T216-H1212L-90**	**T216-H1212R-90**
16x16	-	-	120	**T216-H1616L**	**T216-H1616R**
20x20	-	-	130	**T216-H2020L**	**T216-H2020R**

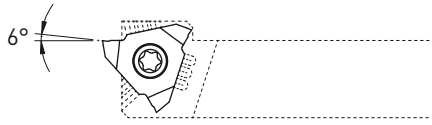
Chaque support est livré avec une ou plusieurs vis.
Les clés sont à commander séparément.

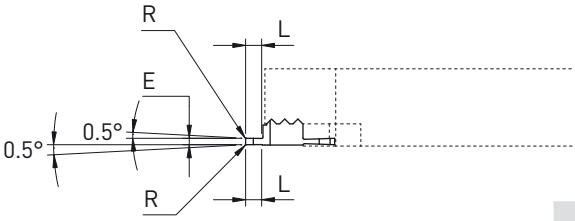
Jeder Halter wird mit einer oder mehreren Schrauben geliefert. Die Schlüssel sind separat zu bestellen.

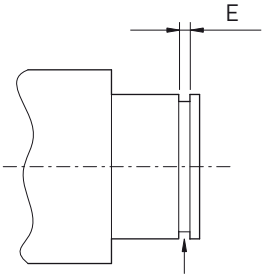
Each holder is supplied with one or more screws.
The keys must be ordered separately.

Plaquettes de gorge pour circlips
Einstechwendeplatte für Seegerring
Grooving inserts for retaining ring

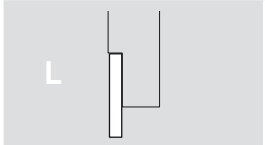
GX

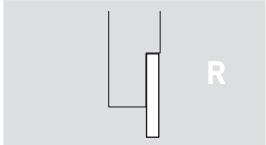






Selon DIN6799 et DIN471
Gemäss DIN6799 und DIN471
According to DIN6799 and DIN471

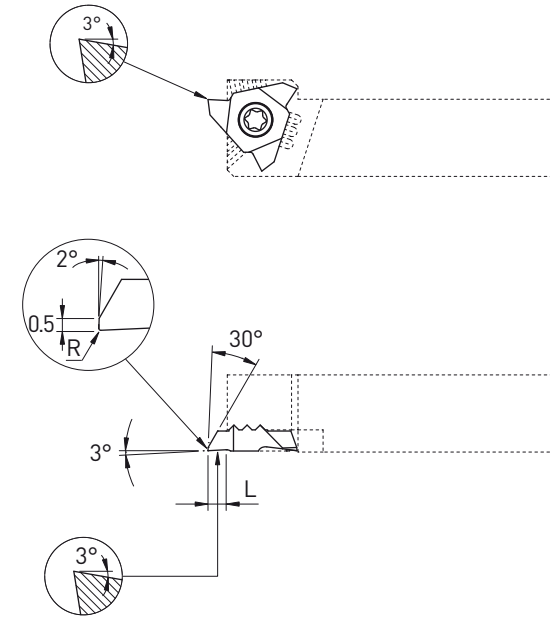


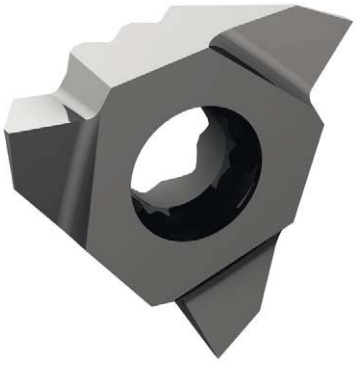


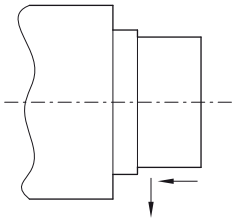
E ±0.01	L	R	Art. N°	P M N S	N S	Art. N°	P M N S	N S
				HTA	HN (µk10)		HTA	HN (µk10)
0.26	0.8	0.03	**T216L-GX026**	●	●	**T216R-GX026**	●	●
0.36	0.8	0.03	**T216L-GX036**	●	●	**T216R-GX036**	●	●
0.46	0.8	0.03	**T216L-GX046**	●	●	**T216R-GX046**	●	●
0.50	1.5	0.03	**T216L-GX050**	●	●	**T216R-GX050**	●	●
0.57	1.5	0.03	**T216L-GX057**	●	●	**T216R-GX057**	●	●
0.67	1.5	0.03	**T216L-GX067**	●	●	**T216R-GX067**	●	●
0.77	2.0	0.03	**T216L-GX077**	●	●	**T216R-GX077**	●	●
0.87	2.0	0.03	**T216L-GX087**	●	●	**T216R-GX087**	●	●
0.97	2.5	0.03	**T216L-GX097**	●	●	**T216R-GX097**	●	●
1.00	2.5	0.03	**T216L-GX100**	●	●	**T216R-GX100**	●	●
1.10	2.5	0.03	**T216L-GX110**	●	●	**T216R-GX110**	●	●
1.20	2.5	0.03	**T216L-GX120**	●	●	**T216R-GX120**	●	●
1.30	2.5	0.03	**T216L-GX130**	●	●	**T216R-GX130**	●	●
1.50	2.5	0.03	**T216L-GX150**	●	●	**T216R-GX150**	●	●
1.60	2.5	0.03	**T216L-GX160**	●	●	**T216R-GX160**	●	●
1.85	2.5	0.03	**T216L-GX185**	●	●	**T216R-GX185**	●	●
2.00	2.5	0.03	**T216L-GX200**	●	●	**T216R-GX200**	●	●
2.50	2.5	0.03	**T216L-GX250**	●	●	**T216R-GX250**	●	●

FT

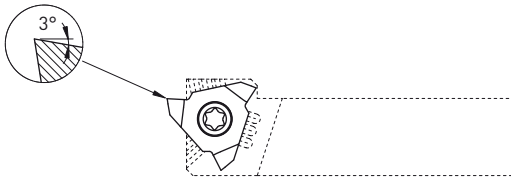
Tournage avant
Vorwärts drehen
Front turning

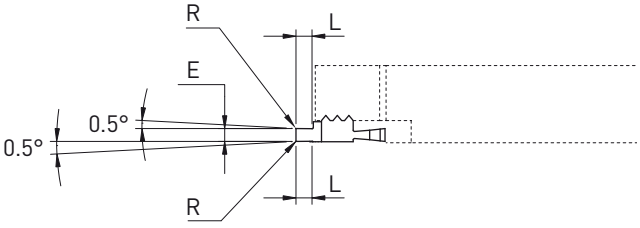


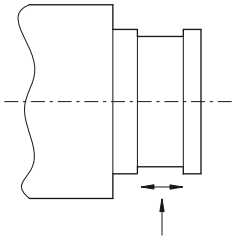




		L				R		
L	R	Art. N°	P M N S HTA	N S HN (µk10)		Art. N°	P M N S HTA	N S HN (µk10)
3.0	0.03	**T216L-FT**	●	●		**T216R-FT**	●	●
3.0	0.08	**T216L-FT-R08**	●	●		**T216R-FT-R08**	●	●



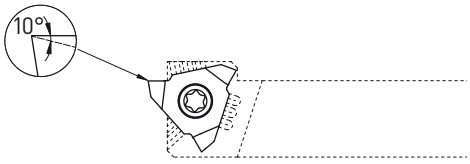


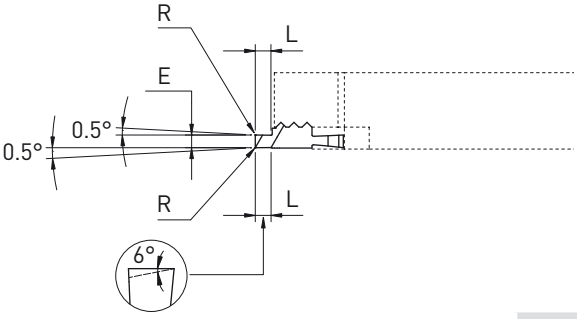


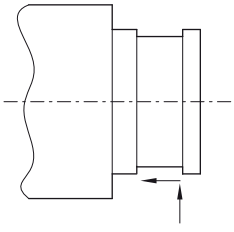
			L			R		
E	L	R	Art. N°	HTA	HN (µk10)	Art. N°	HTA	HN (µk10)
0.5	1.5	0.03	**T216L-GT050**	●	●	**T216R-GT050**	●	●
1.0	2.5	0.03	**T216L-GT100**	●	●	**T216R-GT100**	●	●
1.0	2.5	0.08	**T216L-GT100-R08**	●	●	**T216R-GT100-R08**	●	●
1.5	2.5	0.03	**T216L-GT150**	●	●	**T216R-GT150**	●	●
1.5	2.5	0.08	**T216L-GT150-R08**	●	●	**T216R-GT150-R08**	●	●
1.5	2.5	0.15	**T216L-GT150-R15**	●	●	**T216R-GT150-R15**	●	●
2.0	2.5	0.03	**T216L-GT200**	●	●	**T216R-GT200**	●	●
2.0	2.5	0.08	**T216L-GT200-R08**	●	●	**T216R-GT200-R08**	●	●
2.0	2.5	0.15	**T216L-GT200-R15**	●	●	**T216R-GT200-R15**	●	●
2.5	2.5	0.15	**T216L-GT250-R15**	●	●	**T216R-GT250-R15**	●	●

GTX

Fonçage-tournage avec coupe positive
Einstechen und drehen mit positivem Spanwinkel
Grooving and turning with positive cut



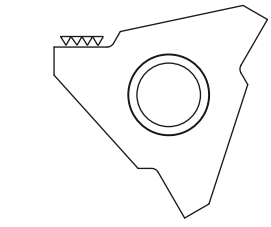


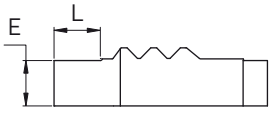


			L			R		
E	L	R	Art. N°	HTA	HN (µk10)	Art. N°	HTA	HN (µk10)
1.0	2.5	0.03	**T216L-GTX100**	●	●	**T216R-GTX100**	●	●
1.0	2.5	0.08	**T216L-GTX100-R08**	●	●	**T216R-GTX100-R08**	●	●
1.5	2.5	0.03	**T216L-GTX150**	●	●	**T216R-GTX150**	●	●
1.5	2.5	0.08	**T216L-GTX150-R08**	●	●	**T216R-GTX150-R08**	●	●
1.5	2.5	0.15	**T216L-GTX150-R15**	●	●	**T216R-GTX150-R15**	●	●
2.0	2.5	0.03	**T216L-GTX200**	●	●	**T216R-GTX200**	●	●
2.0	2.5	0.08	**T216L-GTX200-R08**	●	●	**T216R-GTX200-R08**	●	●
2.0	2.5	0.15	**T216L-GTX200-R15**	●	●	**T216R-GTX200-R15**	●	●
2.5	2.5	0.15	**T216L-GTX250-R15**	●	●	**T216R-GTX250-R15**	●	●

Plaquettes ébauches
WSP-Rohlinge
Blank inserts

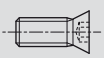
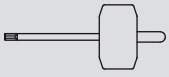
EP





		L		R	
E	L	Art. N°	P M N S HTA / N S HN (µk10)	Art. N°	P M N S HTA / N S HN (µk10)
~3	3	**T216L-EP**	●	**T216R-EP**	●

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

Porte-outils Halter Holders		Options	
			
T216-H...	**V-M4X9-T15**	**C-T15**	**SET-NM3.0-TX15**

Recommandation de serrage
Drehmoment Empfehlung
Clamping recommendation
3.0 Nm

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