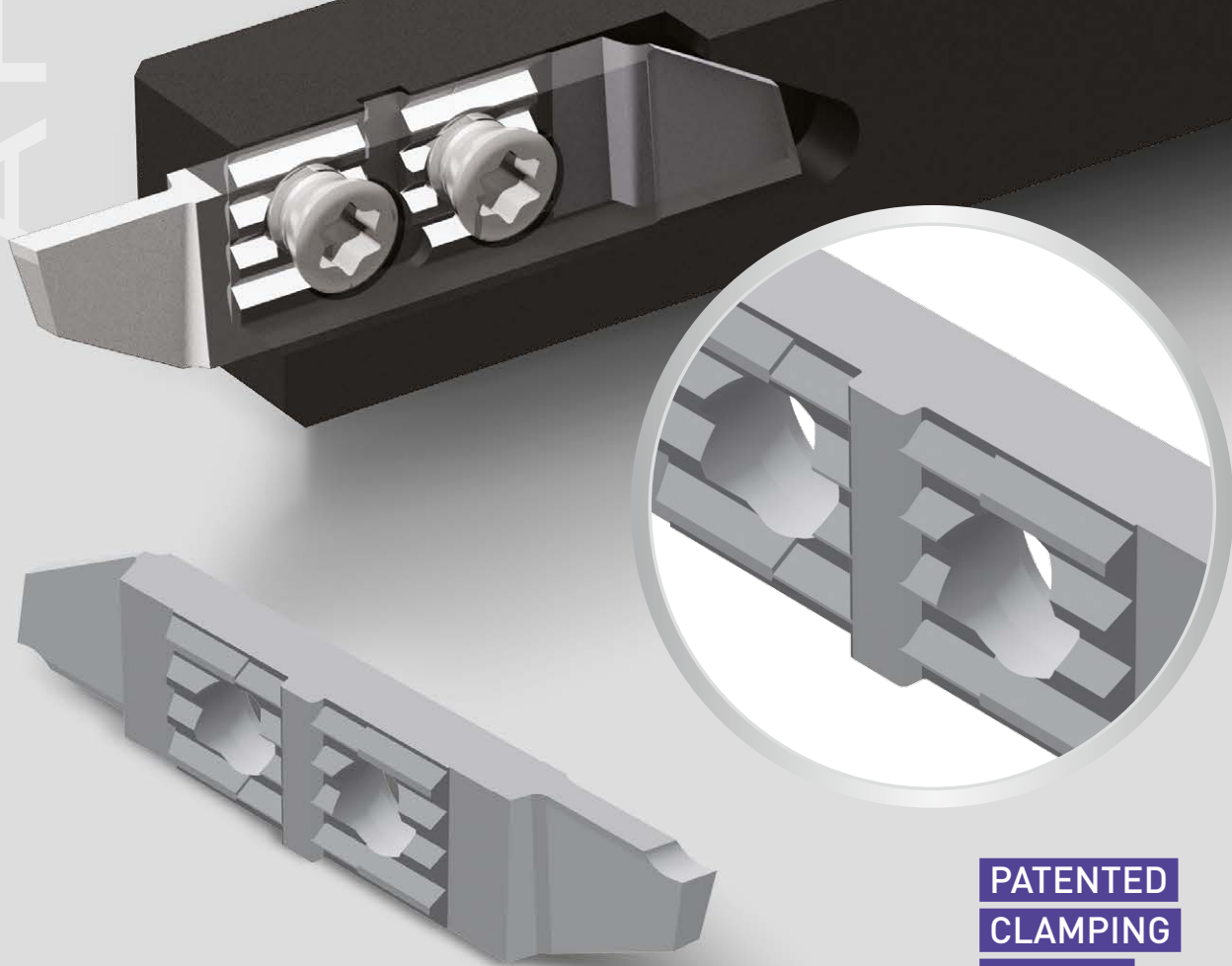


PRO-Line

BEST VALUE
HIGH PERFORMANCE
TOOLS



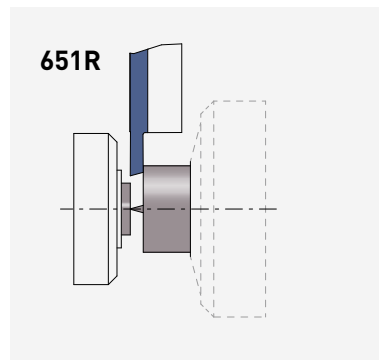
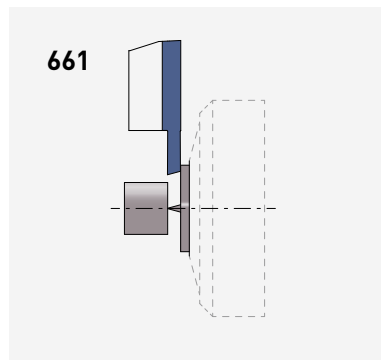
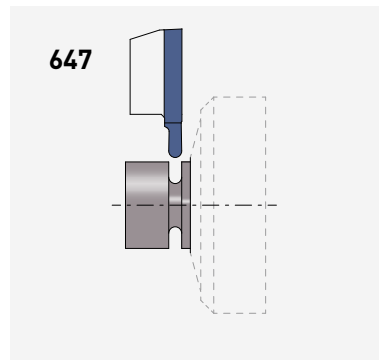
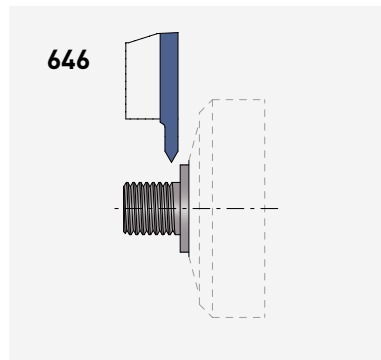
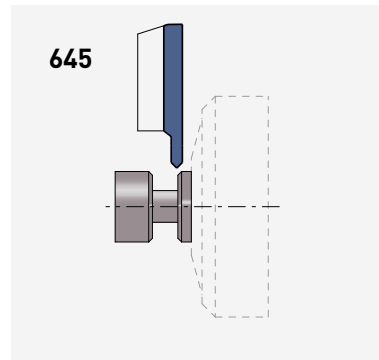
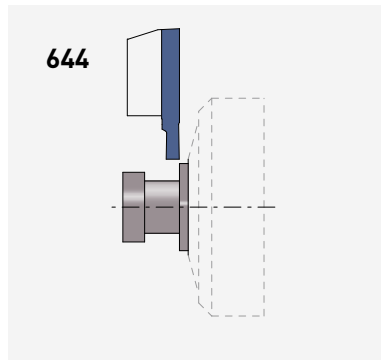
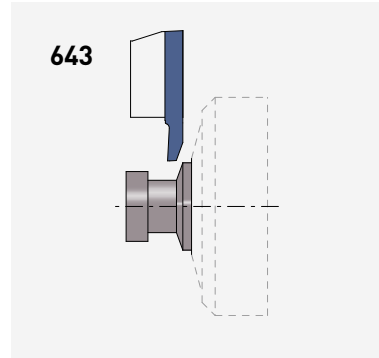
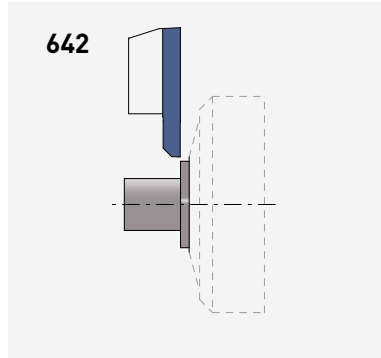
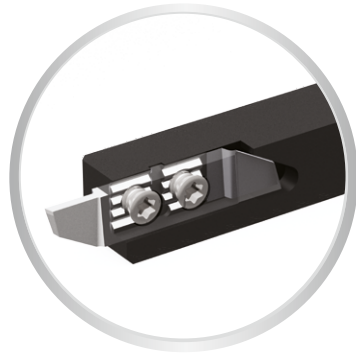
PATENTED
CLAMPING
SYSTEM









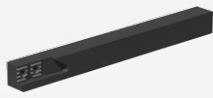



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www.applitec-tools.com



INFO	Nuances Sorten Grades	Paramètres de coupe indicatifs Empfohlene Schnittwerte Standard machining data	> 2
SERIES 630 / 640 Tournage et gorges Drehen und Einstechen Turning and grooving	Porte-outils Halter Holders	 630 / 640	> 4
	Tourneur avant Vorwärts drehen Front turning	632 / 642 	> 6
	Tourneur arrière Rückwärts drehen Back turning	633 / 643 	> 8
	Foncer-tourner Einstechen und drehen Grooving and turning	634 / 644 	> 16
	Chamfreiner Anfasen Chamfering	635 / 645 	> 21
	Fileter Gewinde drehen Threading	636 / 646 	> 23
	Plaquettes à rayon Radius Wendepplatten Inserts with radius	637 / 647 	> 25
	Plaquette ébauche WSP-Rohling Blank insert	631-EP / 641-EP 	> 27
SERIES 650 / 660 Tronçonnage Abstechen Parting off Parting off	Porte-outils Halter Holders	 650 / 660	> 28
	Tronçonnage Abstechen Parting off	651 / 661 	> 31
	Tronçonnage - coupe déportée Abstechen - versetztes Schneiden Parting off - cut off line	651R 	> 36
	Plaquette ébauche WSP-Rohling Blank insert	651-EP / 661-EP 	> 39
	Pièces de rechange et accessoires Ersatzteile und Zubehör Spare parts and accessories		> 40

PRO-Line

Codification des plaquettes PRO-Line série 600

WSP-Bezeichnungssystem für PRO-Line 600 Serie

Inserts designation key for PRO-Line 600 series

INFO

6 **4** **4** **X** **-** **2.0** **-** **R15** **-** **TiALN**

Dimension
Abmessung
Dimension

Rayon
Radius
Radius

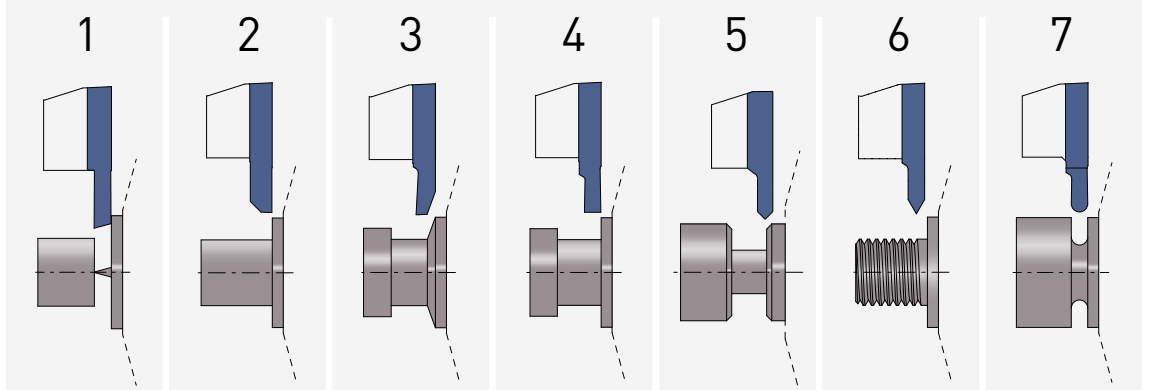
Nuance
Sorte
Grade

Géométrie de coupe
Schneidgeometrie
Cutting geometry

brise-copeaux
Spanbrecher
chip breaker

particularités
Sondereigenschaften
special features

Géométrie d'usinage
Bearbeitungsgeometrie
Machining geometry



Gamme de produit
Produktserie
Product series

définit la compatibilité des plaquettes avec le porte-outil
bestimmt die WSP und Halter Kompatibilität
shows the insert and holder compatibility

L = 3, 5

(chiffre impair / ungerade Zahl / uneven number)

R = 4, 6

(chiffre pair / gerade Zahl / even number)

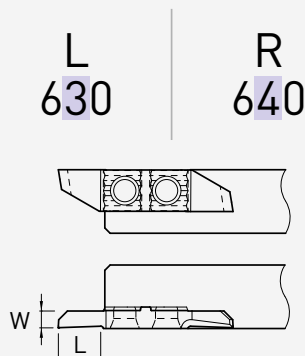
SERIES

Tournage
et gorges

Drehen und
Einstechen

Turning and
grooving

W max = 3 mm
L max = 8 mm

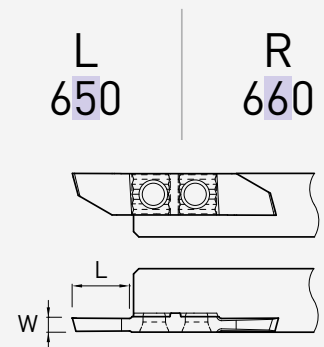


SERIES

Tronçonnage
Abstechen

Parting off

W max = 2.5 mm
L max = 11 mm



Applitec série 600
Applitec 600 Serie
Applitec 600 series

Système de serrage à denture avec 2 vis de fixation
Spannsystem mit Verzahnung und 2 Schrauben
Teeth clamping system with 2 screws

Nuances Paramètres de coupe indicatifs
Sorten Empfohlene Schnittwerte
Grades Standard machining data

TiALN

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

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

- beste Universalsorte
- für die Bearbeitung von Stahl, rostfreiem Stahl und Titanlegierungen bestens geeignet
- sehr gute Warmfestigkeit

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

N (μK20)

non revêtu
 unbeschichtet
 uncoated

- nuance micro-grain tenace
- supporte les coupes interrompues et autres conditions d'usinage défavorables

- zähe Feinkornsorte
- für unterbrochene Schnitte und andere ungünstige Bearbeitungsbedingungen geeignet

- tough micro-grain grade
- suitable for interrupted cut and other unfavourable machining conditions

Matière Werkstoff Material	Tournage Drehen Turning			Tronçonnage Abstechen Parting off		
	VC	Prof. de passe Schnitttiefe Depth of cut	Avance Vorschub Feed	VC	Largeur de coupe Abstechbreite Cutting width	Avance Vorschub Feed
Acier de décolletage Automatenstahl Free-cutting steel	120 - 200	0.05 - 1.0 1.0 - 4.0	0.01 - 0.15 0.05 - 0.25	80 - 150	0.50 - 1.50 1.50 - 2.50	0.01 - 0.08 0.03 - 0.15
Acier Stahl < 600 N/mm ² Steel	80 - 160	0.05 - 1.0 1.0 - 4.0	0.01 - 0.15 0.05 - 0.25	70 - 120	0.50 - 1.50 1.50 - 2.50	0.01 - 0.06 0.03 - 0.12
Acier Stahl < 800 N/mm ² Steel	60 - 120	0.05 - 1.0 1.0 - 4.0	0.01 - 0.10 0.05 - 0.20	60 - 100	0.50 - 1.50 1.50 - 2.50	0.01 - 0.05 0.03 - 0.10
Acier Stahl > 800 N/mm ² Steel	50 - 100	0.05 - 1.0 1.0 - 3.0	0.01 - 0.08 0.05 - 0.15	40 - 80	0.50 - 1.50 1.50 - 2.50	0.01 - 0.04 0.03 - 0.08
Acier inoxydable Rostfreistahl Stainless steel	60 - 120	0.05 - 1.0 1.0 - 3.0	0.01 - 0.08 0.05 - 0.15	60 - 100	0.50 - 1.50 1.50 - 2.50	0.01 - 0.04 0.03 - 0.08
Aluminium Si <12%	200 - 1000	0.05 - 1.0 1.0 - 4.0	0.01 - 0.20 0.05 - 0.40	180 - 400	0.50 - 1.50 1.50 - 2.50	0.01 - 0.10 0.03 - 0.20
Aluminium Si >12%	180 - 800	0.05 - 1.0 1.0 - 4.0	0.01 - 0.20 0.05 - 0.40	150 - 300	0.50 - 1.50 1.50 - 2.50	0.01 - 0.10 0.03 - 0.20
Titane Titan Titanium	30 - 70	0.05 - 1.0 1.0 - 4.0	0.01 - 0.08 0.05 - 0.15	30 - 50	0.50 - 1.50 1.50 - 2.50	0.01 - 0.03 0.03 - 0.06
Cuivre, laiton, bronze Kupfer, Messing, Bronze Copper, brass, bronze	100 - 500	0.05 - 1.0 1.0 - 4.0	0.01 - 0.20 0.05 - 0.35	100 - 300	0.50 - 1.50 1.50 - 2.50	0.01 - 0.10 0.03 - 0.20

PRO-Line

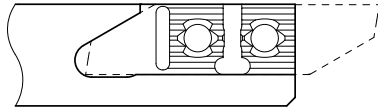
Porte-outils

Halter

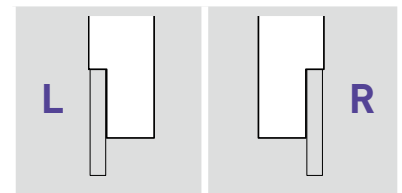
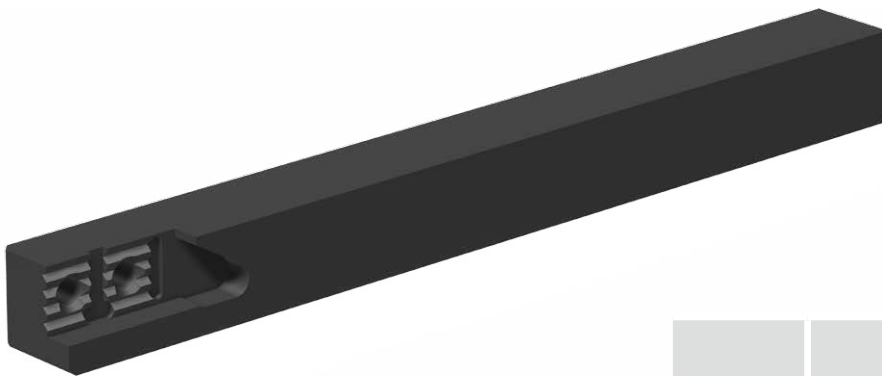
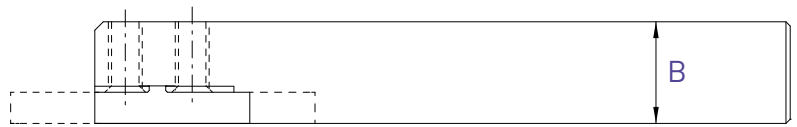
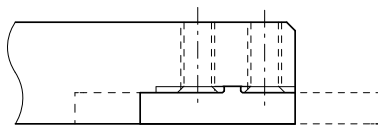
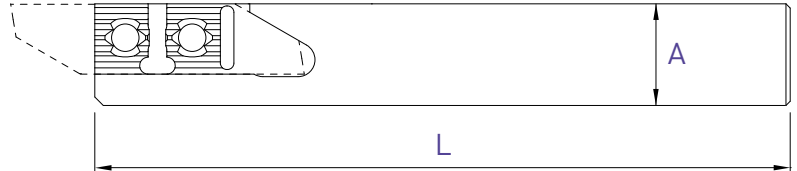
Holder

630 / 640

L



R



A x B	L	Art. N°	Art. N°
8 x 8	115	630-8	640-8
10 x 10	115	630-10	640-10
10 x 10	50	630-10-50	640-10-50
12 x 12	130	630-12	640-12
12 x 12	90	630-12-90	640-12-90
12.7 x 12.7	130	630-12.7	640-12.7
16 x 16	130	630-16	640-16
16 x 16	75	630-16-75	640-16-75
20 x 20	120	630-20	640-20

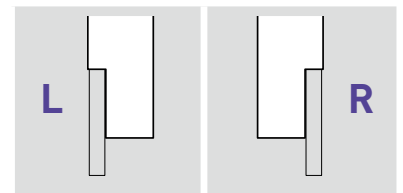
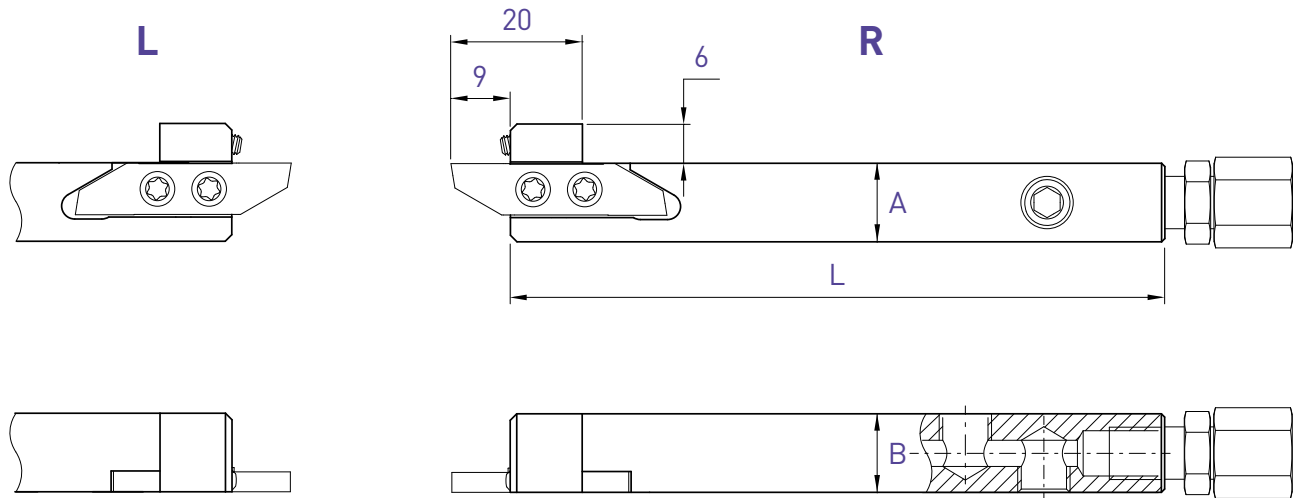
Chaque support est livré avec vis et clé.
 Jeder Halter wird mit Spannschraube(n) und Schlüssel geliefert.
 Screw(s) and key are included with each tool holder.

Porte-outils avec arrosage intégré

Halter mit integrierter Kühlmittelzufuhr

HOLDERS with integrated coolant supply

630-JET / 640-JET



A x B	L	Art. N°	Art. N°
10 x 12	100	630-1012-JET	640-1012-JET
12 x 12	100	630-12-JET	640-12-JET
12.7 x 12.7	100	630-12.7-JET	640-12.7-JET
16 x 16	100	630-16-JET	640-16-JET
20 x 20	100	630-20-JET	640-20-JET

Chaque support est livré avec vis, clé, raccord droit et buse d'arrosage Ø 1.5 mm.

Jeder Halter wird mit Spannschraube(n), Schlüssel, gerader Kühlmittelanschluss und Kühlmitteldüse Ø 1.5 mm geliefert.

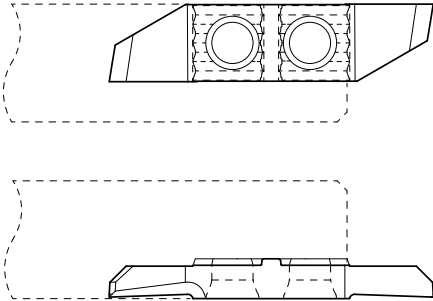
Screw(s), key, straight connector and coolant nozzle Ø 1.5 mm are included with each tool holder.

PRO-Line

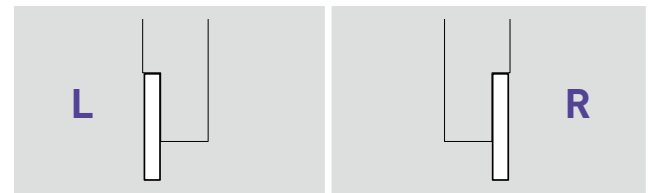
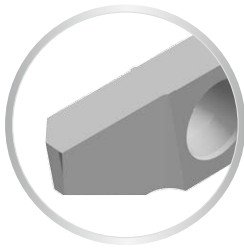
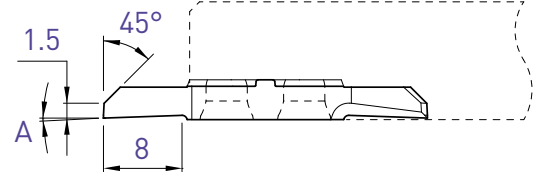
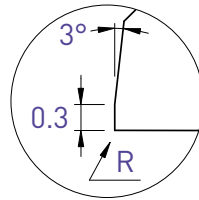
Tourneur avant
Vorwärts drehen
Front turning

632 / 642

L



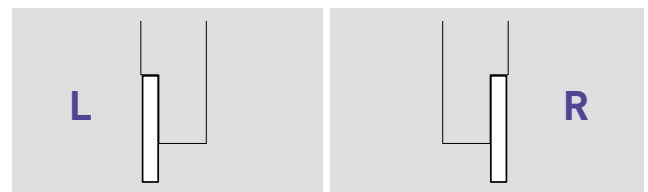
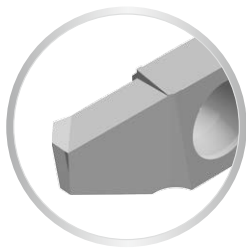
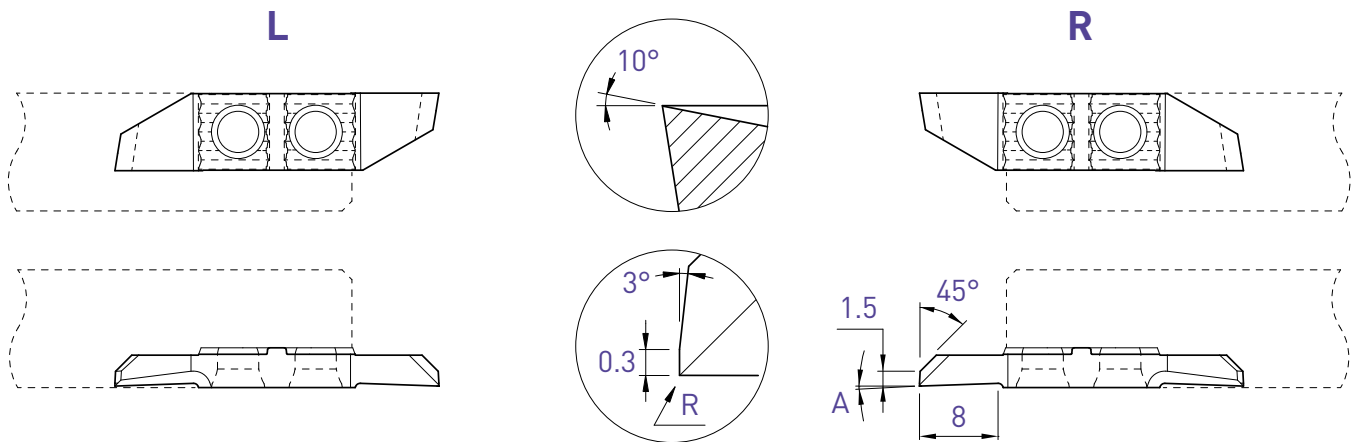
R



A	R	Art. N°	TiAlN N (µm20)	Art. N°	TiAlN N (µm20)
0°	0	632	■ ■	642	■ ■
0°	0.08	-		642-R08	■ ■
0°	0.15	-		642-R15	■ ■
2°	0	632-2°	■ ■	642-2°	■ ■
2°	0.08	-		642-2°-R08	■ ■
2°	0.15	-		642-2°-R15	■ ■

Tourneur avant
Vorwärts drehen
Front turning

632X / 642X



A	R	Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
0°	0	632X10	■ ■	642X10	■ ■
0°	0.08	-		642X10-R08	■ ■
0°	0.15	-		642X10-R15	■ ■
2°	0	632X10-2°	■ ■	642X10-2°	■ ■
2°	0.08	-		642X10-2°-R08	■ ■
2°	0.15	-		642X10-2°-R15	■ ■

PRO-Line

Tourneur multifonction

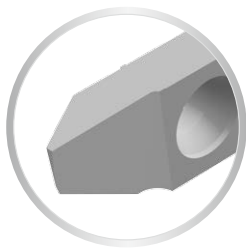
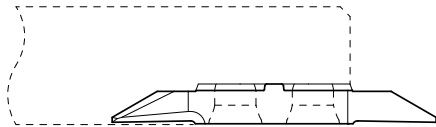
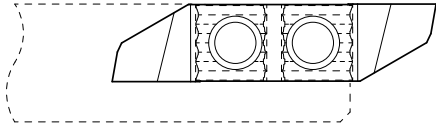
Mehrweck drehen

Multifunction turning

632S / 642S

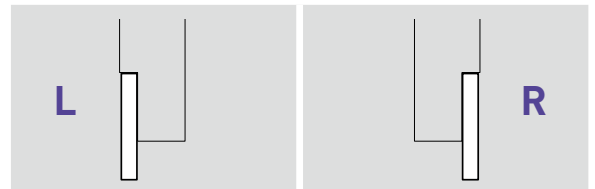
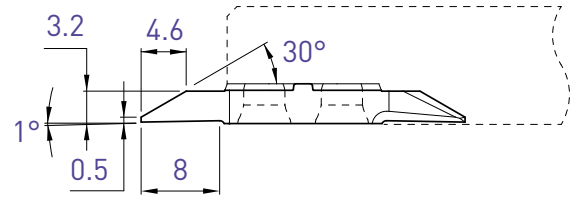
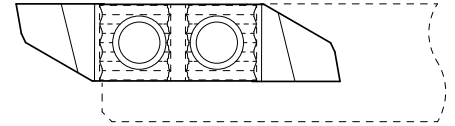
633S / 643S

L



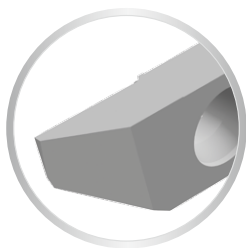
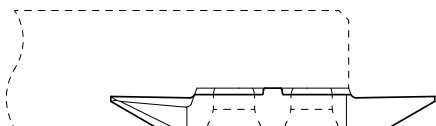
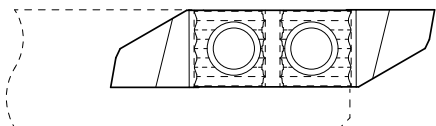
Tourneur avant
Vorwärts drehen
Front turning

R



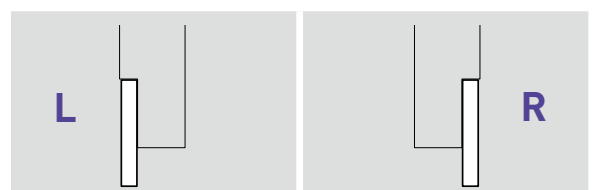
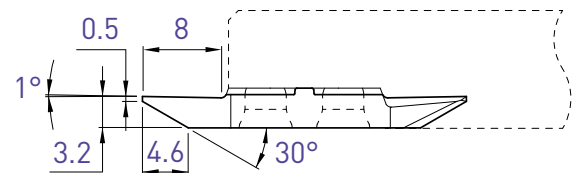
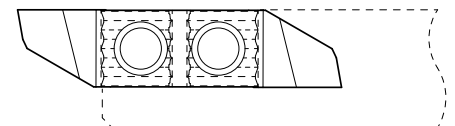
Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
632S05	■ ■	642S05	■ ■

L



Tourneur arrière
Rückwärts drehen
Back turning

R



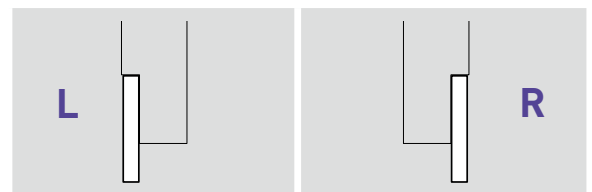
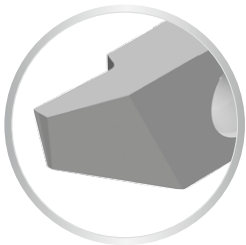
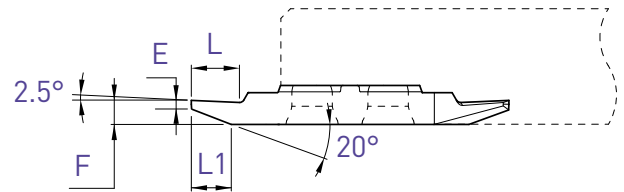
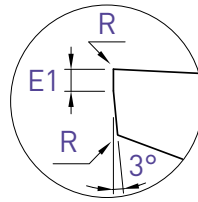
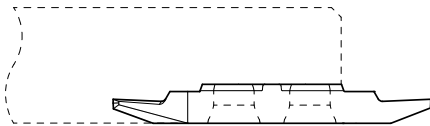
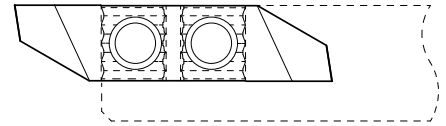
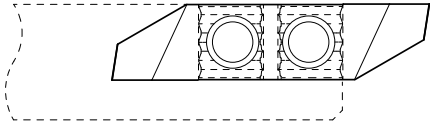
Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
633S05	■ ■	643S05	■ ■

Tourneur arrière
Rückwärts drehen
Back turning

633 / 643

L

R

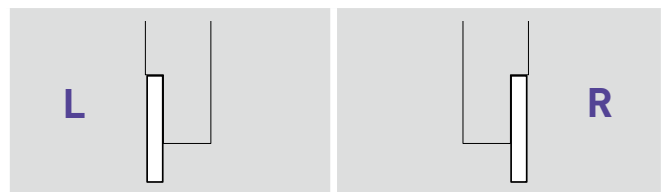
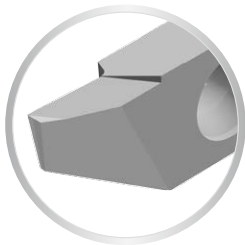
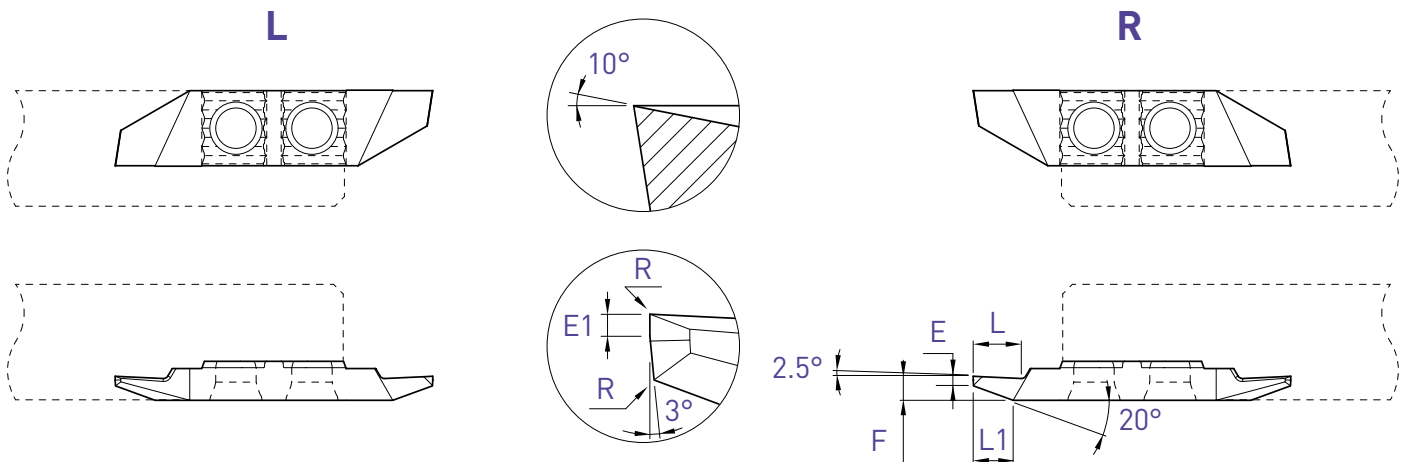


E	E1	L	L1	F	R	Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
0.5	0.25	3	2.8	1.5	0	633-0.5	■ ■	643-0.5	■ ■
0.5	0.25	3	2.8	1.5	0.08	-		643-0.5-R08	■ ■
0.8	0.40	4.5	3.3	2.0	0	-		643-0.8	■ ■
0.8	0.40	4.5	3.3	2.0	0.08	-		643-0.8-R08	■ ■
1.0	0.40	5	4.2	2.5	0	-		643-1.0	■ ■
1.0	0.40	5	4.2	2.5	0.08	-		643-1.0-R08	■ ■
1.5	0.50	6	4.2	3.0	0	-		643-1.5	■ ■
1.5	0.50	6	4.2	3.0	0.08	-		643-1.5-R08	■ ■

PRO-Line

Tourneur arrière
Rückwärts drehen
Back turning

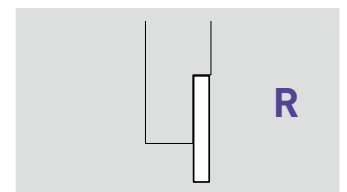
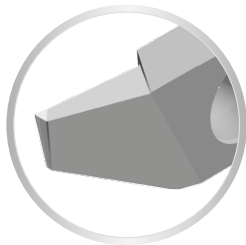
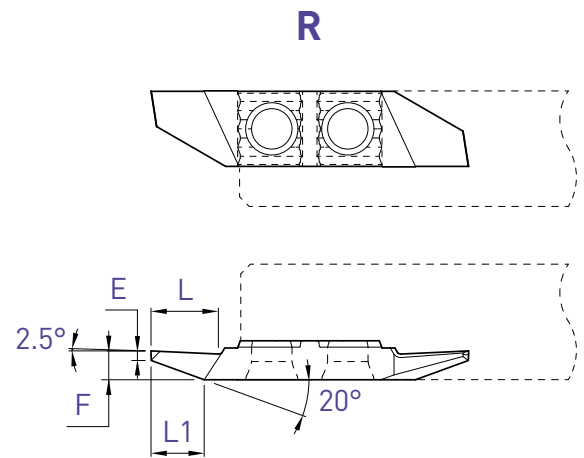
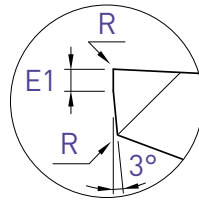
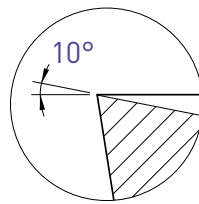
633X / 643X



E	E1	L	L1	F	R	Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
0.5	0.25	3	2.8	1.5	0	633X10-0.5	■ ■	643X10-0.5	■ ■
0.5	0.25	3	2.8	1.5	0.08	-		643X10-0.5-R08	■ ■
0.8	0.40	4.5	3.3	2.0	0	-		643X10-0.8	■ ■
0.8	0.40	4.5	3.3	2.0	0.08	-		643X10-0.8-R08	■ ■
1.0	0.40	5	4.2	2.5	0	-		643X10-1.0	■ ■
1.0	0.40	5	4.2	2.5	0.08	-		643X10-1.0-R08	■ ■
1.5	0.50	6	4.2	3.0	0	-		643X10-1.5	■ ■
1.5	0.50	6	4.2	3.0	0.08	-		643X10-1.5-R08	■ ■

Tourneur arrière
Rückwärts drehen
Back turning

643XS

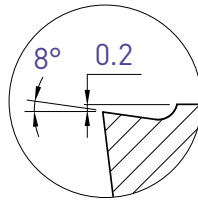


E	E1	L	L1	F	R	Art. N°	TiALN N (µk20)
1.0	0.4	7	5.5	3.0	0	643X10S-1.0	■ ■
1.0	0.4	7	5.5	3.0	0.08	643X10S-1.0-R08	■ ■

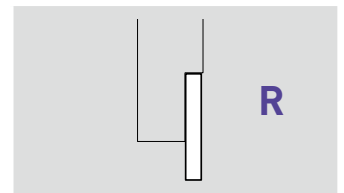
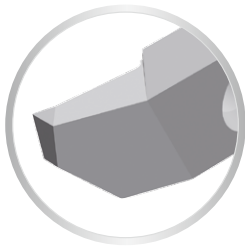
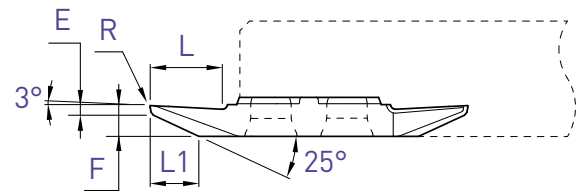
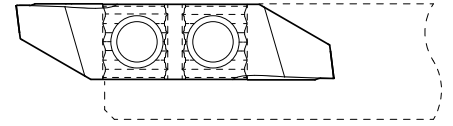
PRO-Line

Tourneur arrière
Rückwärts drehen
Back turning

643VX8



R

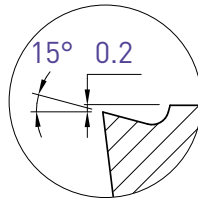
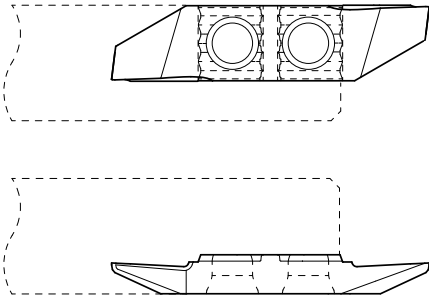


E	L	L1	F	R	Art. N°	TiAlN N (µk20)
~1	7.5	5.0	3.2	0	643VX8	■ ■
~1	7.5	5.0	3.2	0.08	643VX8-R08	■ ■

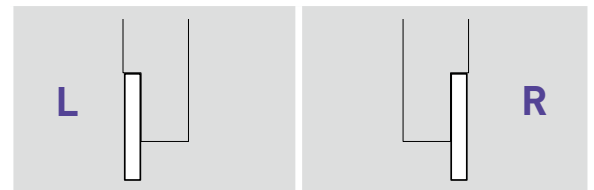
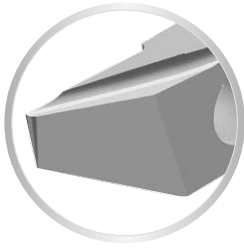
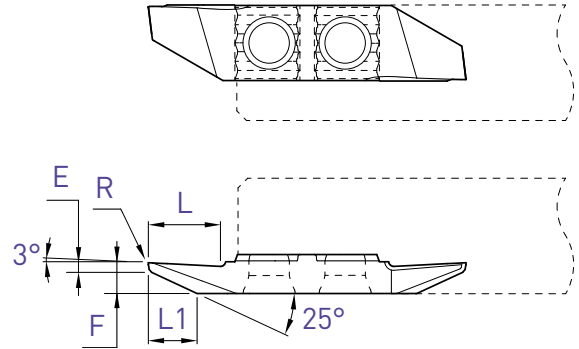
Tourneur arrière
Rückwärts drehen
Back turning

633VX15 / 643VX15

L



R

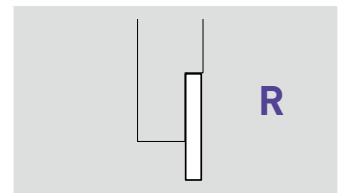
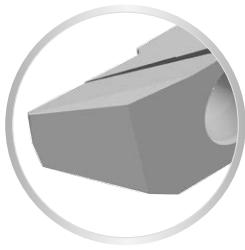
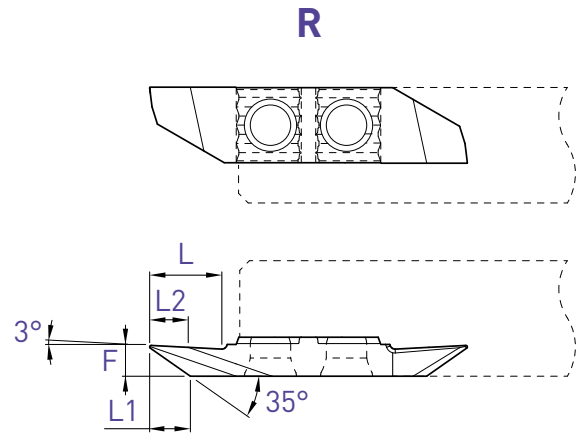
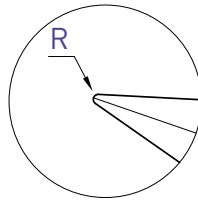
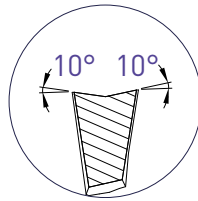


E	L	L1	R	Art. N°	TiALN N (µk20)	Art. N°	TiALN N (µk20)
0.5	7.5	5.2	0	633VX15	■ ■	643VX15	■ ■
0.5	7.5	5.2	0.08	-		643VX15-R08	■ ■

PRO-Line

Tourneur arrière
Rückwärts drehen
Back turning

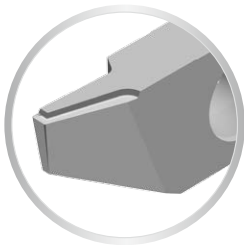
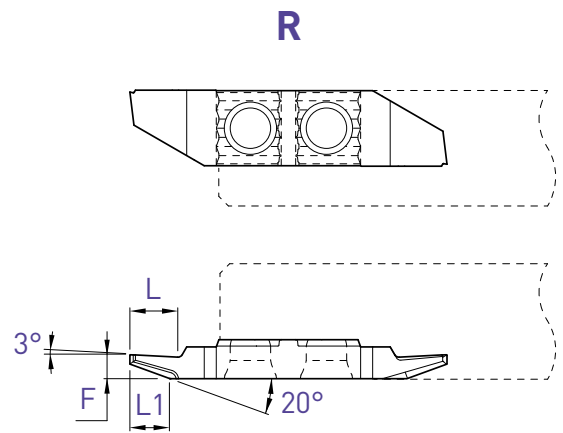
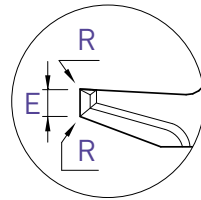
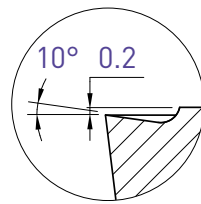
643VUX



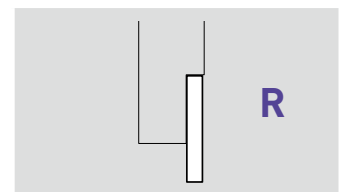
L	L1	L2	F	R	Art. N°	TiAlN N (µk20)
7.5	4.2	4.0	3.2	0.15	643VUX10-R15	■ ■
7.5	3.8	3.8	3.2	0.35	643VUX10-R35	■ ■

Tourneur arrière
Rückwärts drehen
Back turning

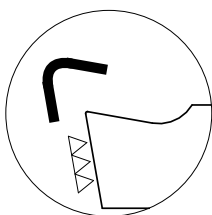
643ZX



Pour un meilleur contrôle des copeaux
Für eine bessere Spankontrolle
For a better chip-control



E	L	L1	F	R	Art. N°	TiALN N (µk20)
1.0	5	4	2.5	0.01	643ZX10-1.0	■
1.0	5	4	2.5	0.08	643ZX10-1.0-R08	■



Arête de coupe honée
Gehonte Schneidkante
Honed edge

f min: 0.02 mm/U

PRO-Line

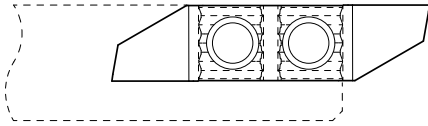
Foncer-tourner

Einstecken und drehen

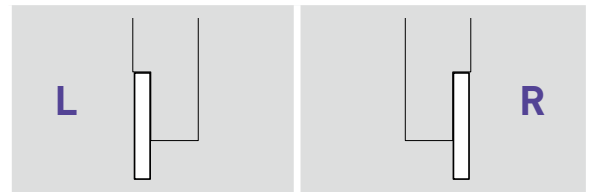
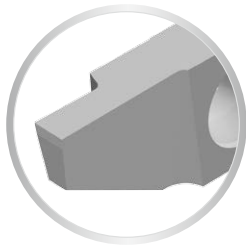
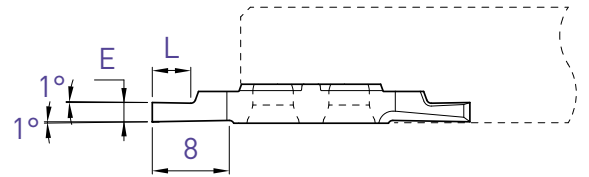
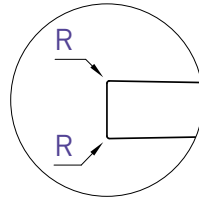
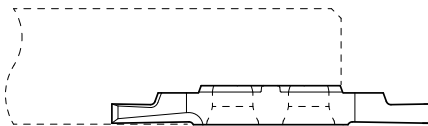
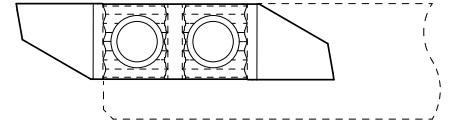
Grooving and turning

634 / 644

L



R



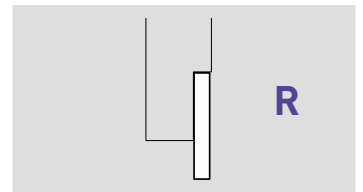
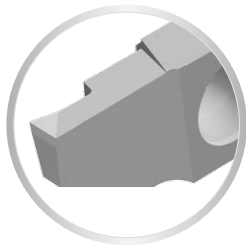
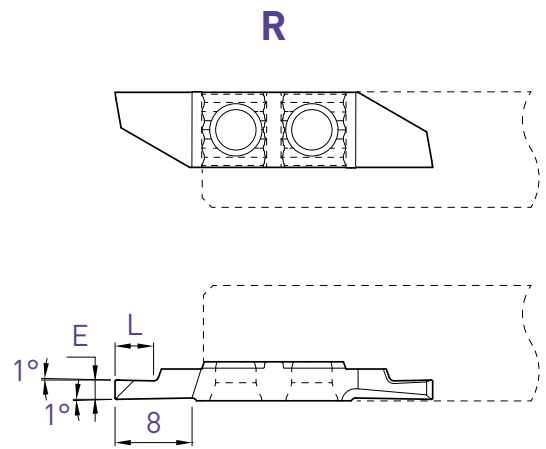
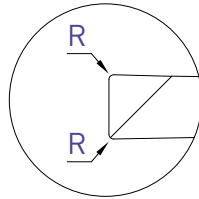
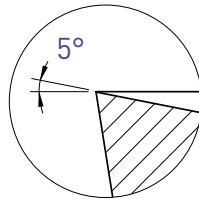
E	L	R	Art. N°	TIALN N (µk20)	Art. N°	TIALN N (µk20)
0.5	1.5	0	634-0.5	■ ■	644-0.5	■ ■
0.6	1.8	0	-		644-0.6	■ ■
0.75	2	0	-		644-0.75	■ ■
0.8	2	0	634-0.8	■ ■	644-0.8	■ ■
0.9	2.5	0	-		644-0.9	■ ■
0.95	3	0	-		644-0.95	■ ■
1.0	2.5	0	634-1.0	■ ■	644-1.0	■ ■
1.0	2.5	0.08	-		644-1.0-R08	■ ■
1.2	3	0	634-1.2	■ ■	644-1.2	■ ■
1.2	3	0.08	-		644-1.2-R08	■ ■
1.5	3	0	634-1.5	■ ■	644-1.5	■ ■
1.5	3	0.08	-		644-1.5-R08	■ ■
1.5	3	0.15	-		644-1.5-R15	■ ■
1.8	4	0	-		644-1.8	■ ■
2.0	4	0	634-2.0	■ ■	644-2.0	■ ■
2.0	4	0.8	-		644-2.0-R08	■ ■
2.0	4	0.15	-		644-2.0-R15	■ ■
2.5	6	0	634-2.5	■ ■	644-2.5	■ ■
2.5	6	0.08	-		644-2.5-R08	■ ■
2.5	6	0.15	-		644-2.5-R15	■ ■
3	6	0	634-3.0	■ ■	644-3.0	■ ■
3	6	0.08	-		644-3.0-R08	■ ■
3	6	0.15	-		644-3.0-R15	■ ■

Foncer-tourner

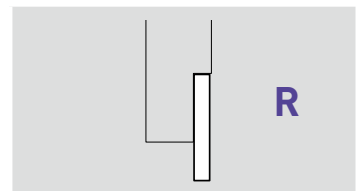
Einstecken und drehen

Grooving and turning

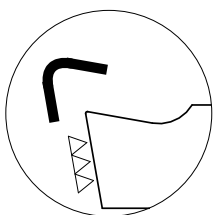
644X5



E	L	R	Art. N°	TiALN	N (μk20)
1.5	3	0.08	644X5-1.5-R08	■	■
2	4	0.08	644X5-2.0-R08	■	■
2	4	0.15	644X5-2.0-R15	■	■
2.5	6	0.08	644X5-2.5-R08	■	■
2.5	6	0.15	644X5-2.5-R15	■	■
3	6	0.08	644X5-3.0-R08	■	■
3	6	0.15	644X5-3.0-R15	■	■



E	L	R	Art. N°	TiALN	N (μk20)
1.5	3	0.08	644X5-1.5-R08-EP	■	■
2	4	0.08	644X5-2.0-R08-EP	■	■
2	4	0.15	644X5-2.0-R15-EP	■	■
2.5	6	0.08	644X5-2.5-R08-EP	■	■
2.5	6	0.15	644X5-2.5-R15-EP	■	■
3	6	0.08	644X5-3.0-R08-EP	■	■
3	6	0.15	644X5-3.0-R15-EP	■	■



Arête de coupe honée
Gehonte Schneidkante
Honed edge

f min: 0.02 mm/U

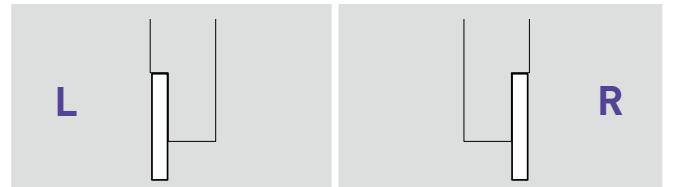
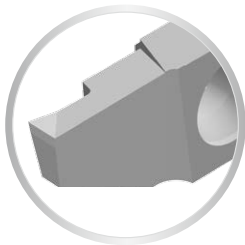
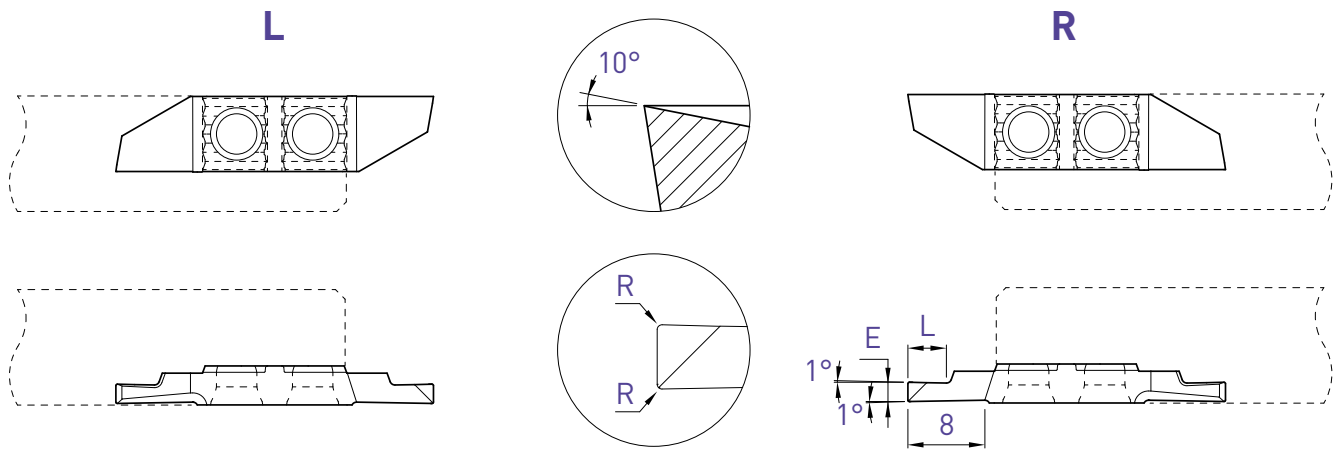
PRO-Line

Foncer-tourner

Einstecken und drehen

Grooving and turning

634X10 / 644X10



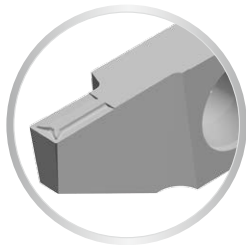
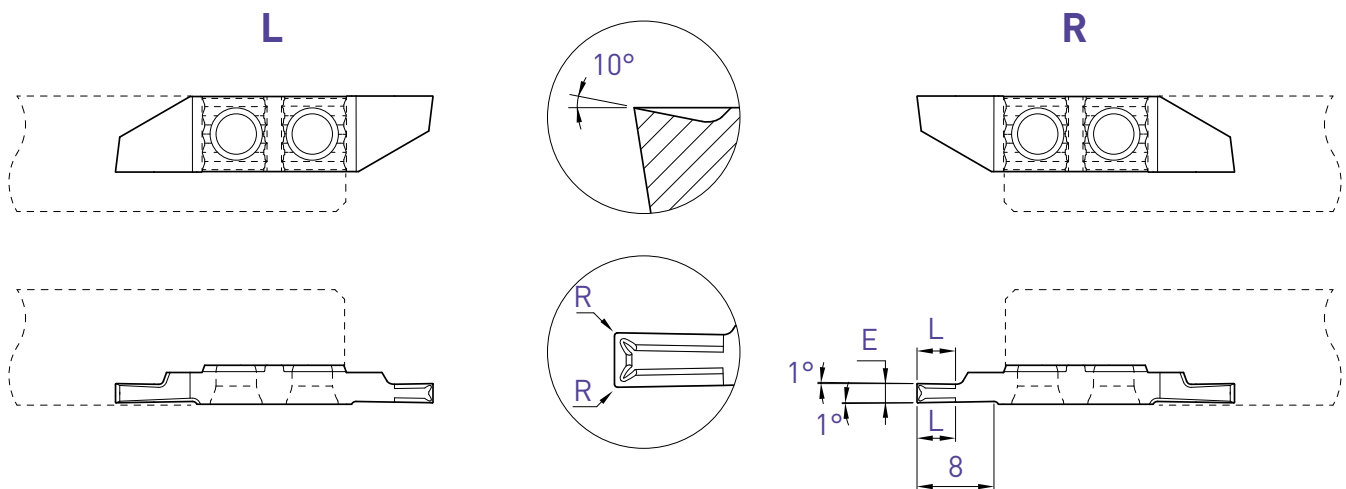
E	L	R	Art. N°	TIALN N (μk20)	Art. N°	TIALN N (μk20)
0.8	2	0	634X10-0.8	■ ■	644X10-0.8	■ ■
1.0	2.5	0	634X10-1.0	■ ■	644X10-1.0	■ ■
1.0	2.5	0.08	634X10-1.0-R08	■ ■	644X10-1.0-R08	■ ■
1.2	3	0	-		644X10-1.2	■ ■
1.2	3	0.08	-		644X10-1.2-R08	■ ■
1.5	3	0	634X10-1.5	■ ■	644X10-1.5	■ ■
1.5	3	0.08	634X10-1.5-R08	■ ■	644X10-1.5-R08	■ ■
1.5	3	0.15	634X10-1.5-R15	■ ■	644X10-1.5-R15	■ ■
1.8	4	0	-		644X10-1.8	■ ■
2	4	0	634X10-2.0	■ ■	644X10-2.0	■ ■
2	4	0.08	634X10-2.0-R08	■ ■	644X10-2.0-R08	■ ■
2	4	0.15	634X10-2.0-R15	■ ■	644X10-2.0-R15	■ ■
2.5	6	0	634X10-2.5	■ ■	644X10-2.5	■ ■
2.5	6	0.08	634X10-2.5-R08	■ ■	644X10-2.5-R08	■ ■
2.5	6	0.15	634X10-2.5-R15	■ ■	644X10-2.5-R15	■ ■
3	6	0	634X10-3.0	■ ■	644X10-3.0	■ ■
3	6	0.08	634X10-3.0-R08	■ ■	644X10-3.0-R08	■ ■
3	6	0.15	634X10-3.0-R15	■ ■	644X10-3.0-R15	■ ■

Foncer-tourner

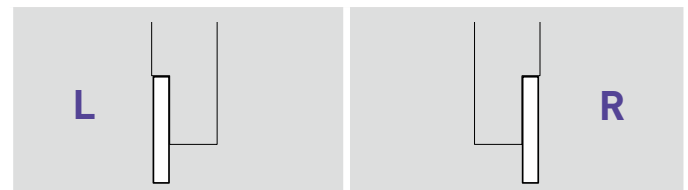
Einstecken und drehen

Grooving and turning

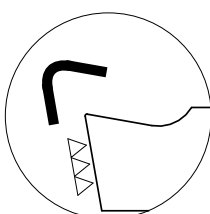
634ZXB / 644ZXB



Pour un meilleur contrôle des copeaux
Für eine bessere Spankontrolle
For a better chip-control



E	L	R	Art. N°	TIALN N (µk20)	Art. N°	TIALN N (µk20)
1.0	2.5	0.01	634ZXB10-1.0	■	644ZXB10-1.0	■
1.5	4	0.01	634ZXB10-1.5	■	644ZXB10-1.5	■
1.5	4	0.08	634ZXB10-1.5-R08	■	644ZXB10-1.5-R08	■
2.0	4	0.01	634ZXB10-2.0	■	644ZXB10-2.0	■
2.0	4	0.08	634ZXB10-2.0-R08	■	644ZXB10-2.0-R08	■
2.0	4	0.15	634ZXB10-2.0-R15	■	644ZXB10-2.0-R15	■
2.5	5	0.08	634ZXB10-2.5-R08	■	644ZXB10-2.5-R08	■
2.5	5	0.15	634ZXB10-2.5-R15	■	644ZXB10-2.5-R15	■
3.0	6	0.08	634ZXB10-3.0-R08	■	644ZXB10-3.0-R08	■
3.0	6	0.15	634ZXB10-3.0-R15	■	644ZXB10-3.0-R15	■
3.0	6	0.35	634ZXB10-3.0-R35	■	644ZXB10-3.0-R35	■



Arête de coupe honée
Gehonte Schneidkante
Honed edge

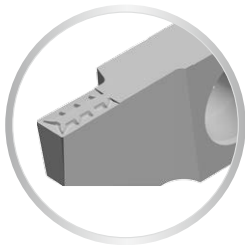
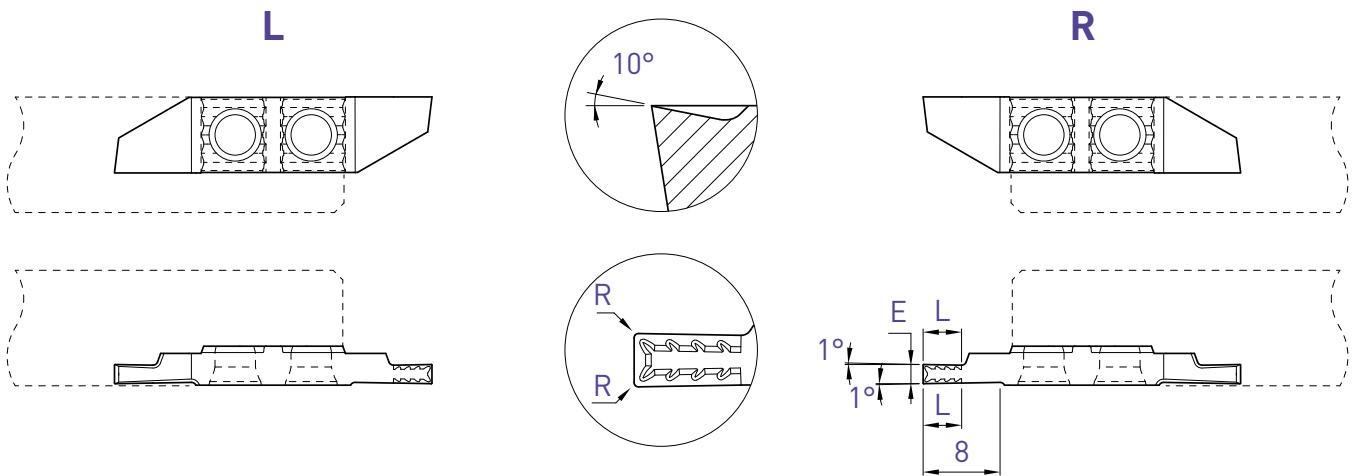
f min: 0.02 mm/U

Foncer-tourner

Einstecken und drehen

Grooving and turning

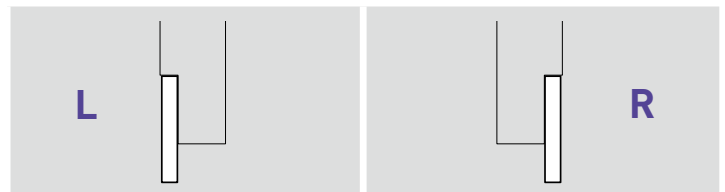
634ZXT / 644ZXT



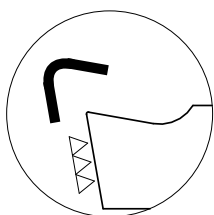
Pour un meilleur contrôle des copeaux

Für eine bessere Spankontrolle

For a better chip-control



E	L	R	Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
1.0	2.5	0.01	634ZXT10-1.0	■	644ZXT10-1.0	■
1.5	4	0.01	634ZXT10-1.5	■	644ZXT10-1.5	■
1.5	4	0.08	634ZXT10-1.5-R08	■	644ZXT10-1.5-R08	■
2.0	4	0.01	634ZXT10-2.0	■	644ZXT10-2.0	■
2.0	4	0.08	634ZXT10-2.0-R08	■	644ZXT10-2.0-R08	■
2.0	4	0.15	634ZXT10-2.0-R15	■	644ZXT10-2.0-R15	■
2.5	5	0.08	634ZXT10-2.5-R08	■	644ZXT10-2.5-R08	■
2.5	5	0.15	634ZXT10-2.5-R15	■	644ZXT10-2.5-R15	■
3.0	6	0.08	634ZXT10-3.0-R08	■	644ZXT10-3.0-R08	■
3.0	6	0.15	634ZXT10-3.0-R15	■	644ZXT10-3.0-R15	■
3.0	6	0.35	-		644ZXT10-3.0-R35	■



Arête de coupe honée

Gehonte Schneidkante

Honed edge

f min: 0.02 mm/U

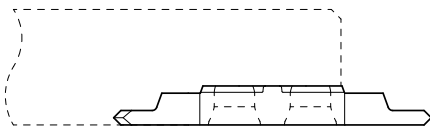
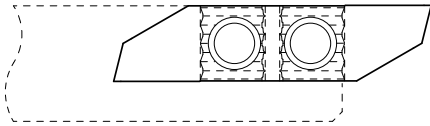
Chamfreiner

Anfasen

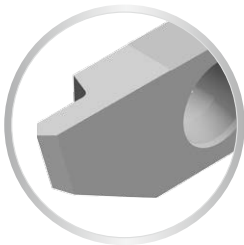
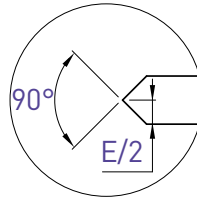
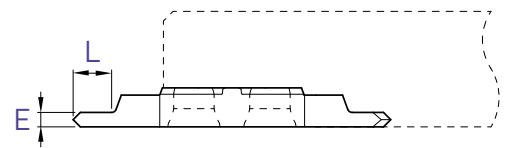
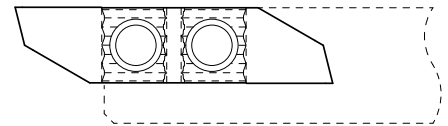
Chamfering

635 / 645

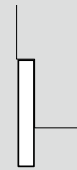
L



R



L



R



E	L	Art. N°	TiALN N (µk20)	Art. N°	TiALN N (µk20)
1.5	4	635-90-1.5	■ ■	645-90-1.5	■ ■

PRO-Line

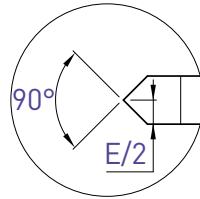
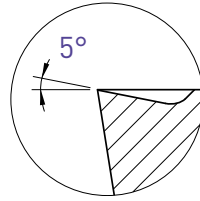
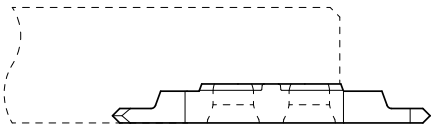
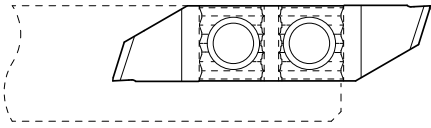
Chamfreiner

Anfasen

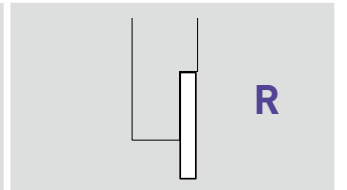
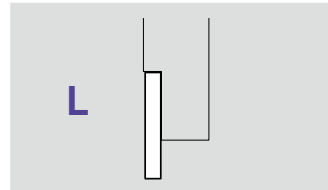
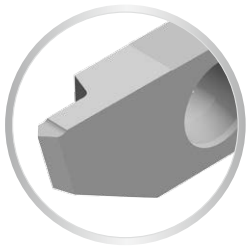
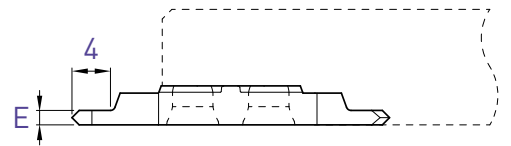
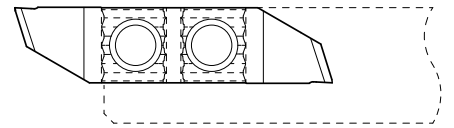
Chamfering

635X / 645X

L



R



E	L	Art. N°	TiALN N (µk20)	Art. N°	TiALN N (µk20)
1.5	4	635X5-90-1.5	■ ■	645X5-90-1.5	■ ■

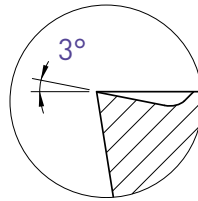
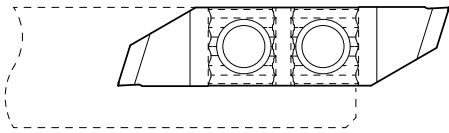
Fileter

Gewinde drehen

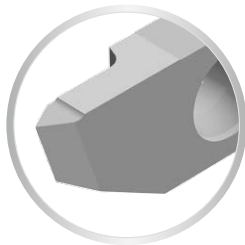
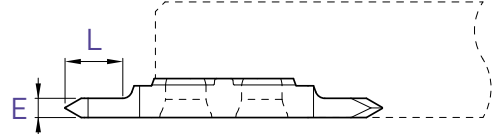
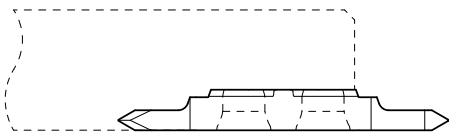
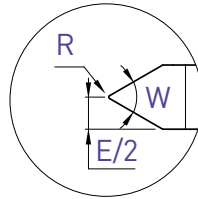
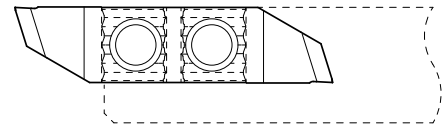
Threading

636X / 646X

L

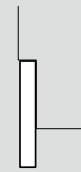


R



Profil partiel
Teilprofil
Partial profile

L



R



W	E	L	R	Art. N°	TiALN N (µk20)	Art. N°	TiALN N (µk20)
55°	1.5	4	0	636X3-55-1.5	■ ■	646X3-55-1.5	■ ■
55°	2.0	6	0.03	636X3-55-2.0-R03	■ ■	646X3-55-2.0-R03	■ ■
60°	1.5	4	0	636X3-60-1.5	■ ■	646X3-60-1.5	■ ■
60°	2.0	6	0.03	636X3-60-2.0-R03	■ ■	646X3-60-2.0-R03	■ ■
60°	2.0	6	0.06	636X3-60-2.0-R06	■ ■	646X3-60-2.0-R06	■ ■
60°	3.0	8	0.06	636X3-60-3.0-R06	■ ■	646X3-60-3.0-R06	■ ■
60°	3.0	8	0.12	636X3-60-3.0-R12	■ ■	646X3-60-3.0-R12	■ ■

PRO-Line

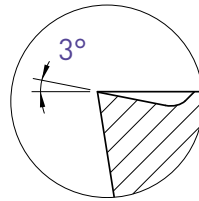
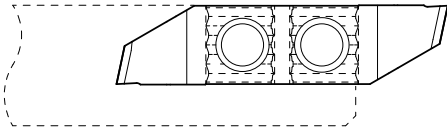
Fileter

Gewinde drehen

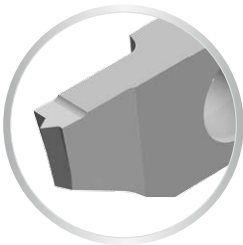
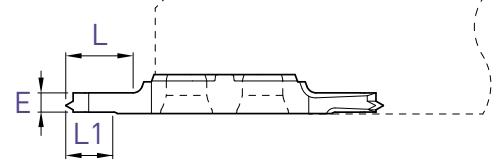
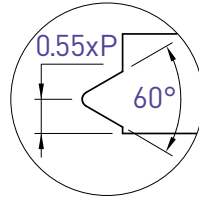
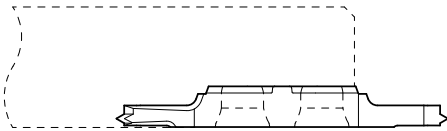
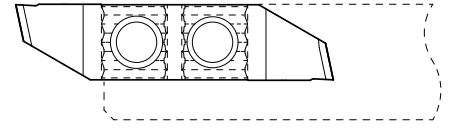
Threading

636X-M / 646X-M

L

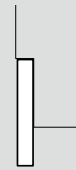


R



Profil complet métrique
Vollprofil metrisch
Full profile metric

L



R



E	L	L1	Pas Steigung Pitch P	Art. N°	TiALN N (µk20)	Art. N°	TiALN N (µk20)
1.0	3	3	0.25	636X3-M-0.25	■ ■	646X3-M-0.25	■ ■
1.0	3	3	0.30	636X3-M-0.30	■ ■	646X3-M-0.30	■ ■
1.0	3	3	0.35	636X3-M-0.35	■ ■	646X3-M-0.35	■ ■
1.0	3	3	0.40	636X3-M-0.40	■ ■	646X3-M-0.40	■ ■
1.0	3	3	0.45	636X3-M-0.45	■ ■	646X3-M-0.45	■ ■
1.0	3	3	0.50	636X3-M-0.50	■ ■	646X3-M-0.50	■ ■
1.5	5	5	0.60	636X3-M-0.60	■ ■	646X3-M-0.60	■ ■
1.5	5	5	0.70	636X3-M-0.70	■ ■	646X3-M-0.70	■ ■
1.5	5	5	0.75	636X3-M-0.75	■ ■	646X3-M-0.75	■ ■
1.5	5	5	0.80	636X3-M-0.80	■ ■	646X3-M-0.80	■ ■
2.0	7	5	1.00	636X3-M-1.00	■ ■	646X3-M-1.00	■ ■
2.0	7	5	1.25	636X3-M-1.25	■ ■	646X3-M-1.25	■ ■
2.0	7	5	1.50	636X3-M-1.50	■ ■	646X3-M-1.50	■ ■

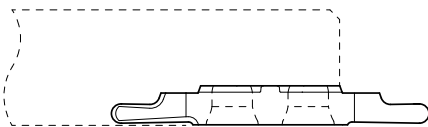
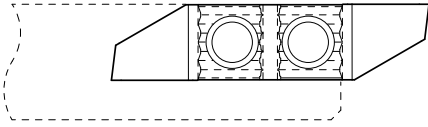
Plaquettes à rayon

Radius-Wendeplatten

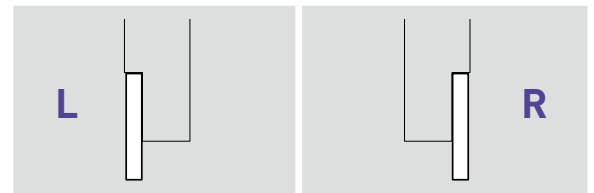
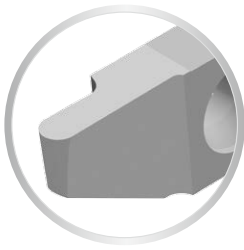
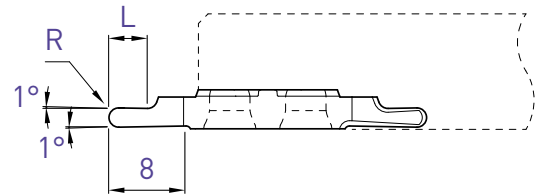
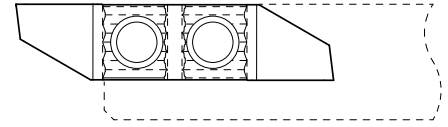
Inserts with radius

637 / 647

L



R



		L		R	
R	L	Art. N°	TiALN N (µk20)	Art. N°	TiALN N (µk20)
0.25	1.5	-		647-R0.25	■ ■
0.40	2	-		647-R0.4	■ ■
0.5	2.5	637-R0.5	■ ■	647-R0.5	■ ■
0.6	2.5	-		647-R0.6	■ ■
0.75	3	-		647-R0.75	■ ■
0.8	3	-		647-R0.8	■ ■
1.0	4	637-R1.0	■ ■	647-R1.0	■ ■
1.5	6	-		647-R1.5	■ ■

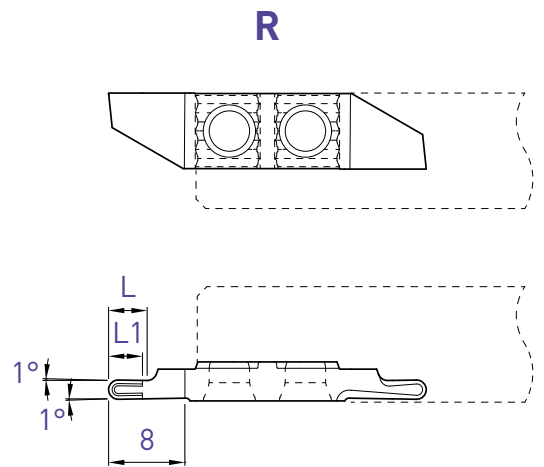
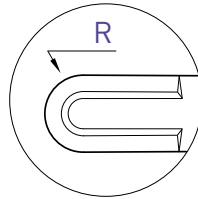
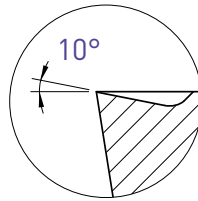
PRO-Line

Plaquettes à rayon

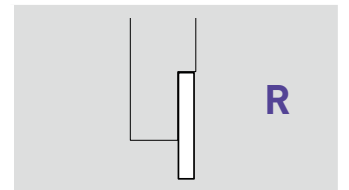
Radius-Wendepplatten

Inserts with radius

647ZX10



Pour un meilleur contrôle des copeaux
Für eine bessere Spankontrolle
For a better chip-control



R	L	L1	Art. N°	TiALN N (µk20)
1.0	4	3.5	647ZX10-R1.0	■
1.5	6	4	647ZX10-R1.5	■

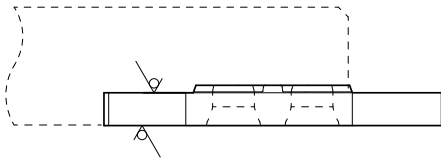
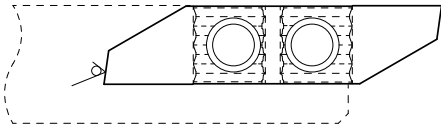
Plaquette ébauche

WSP-Rohling

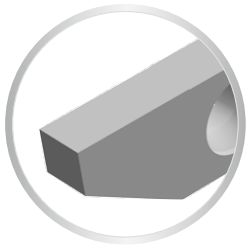
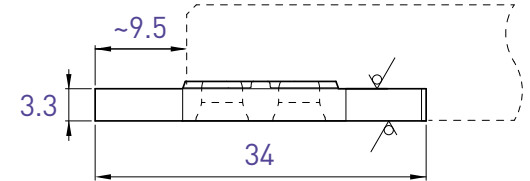
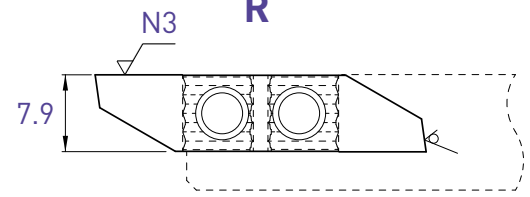
Blank insert

631-EP / 641-EP

L



R



Face de coupe polie
 Polierte Schneidfläche
 Cutting face polished

L		R	
Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
631-EP	□ ■	641-EP	□ ■

PRO-Line

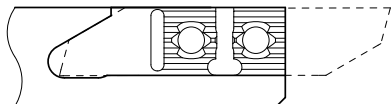
Porte-outils

Halter

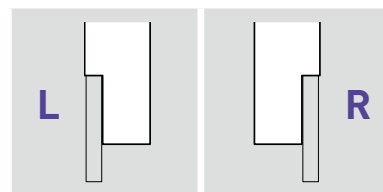
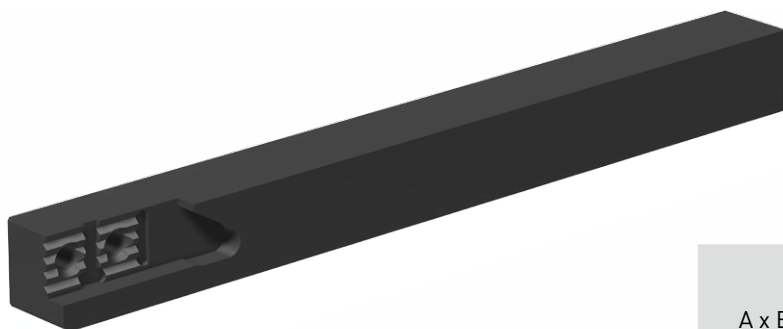
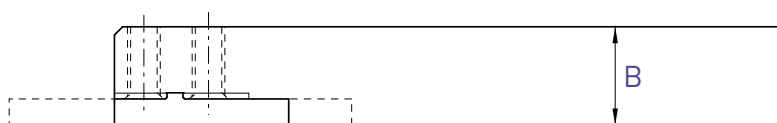
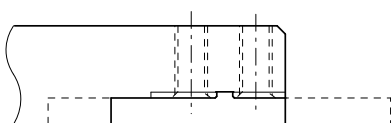
Holder

650 / 660

L



R



A x B	L	Art. N°	Art. N°
8 x 8	115	650-8	660-8
10 x 10	115	650-10	660-10
10 x 10	50	650-10-50	660-10-50
12 x 12	130	650-12	660-12
12 x 12	90	650-12-90	660-12-90
12.7 x 12.7	130	650-12.7	660-12.7
16 x 16	130	650-16	660-16
16 x 16	75	650-16-75	660-16-75
20 x 20	120	650-20	660-20

Chaque support est livré avec vis et clé.
 Jeder Halter wird mit Spannschraube(n) und Schlüssel geliefert.
 Screw(s) and key are included with each tool holder.

Porte-outils

Coupe à droite déportée

Halter

Versetztes Rechtsschneiden

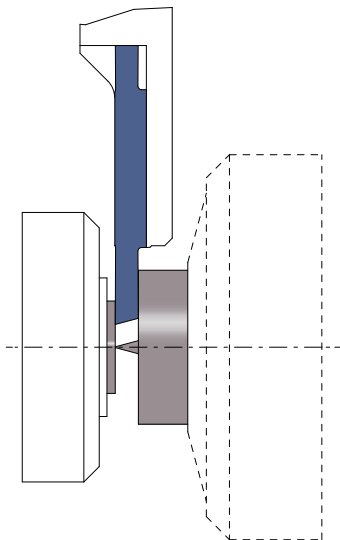
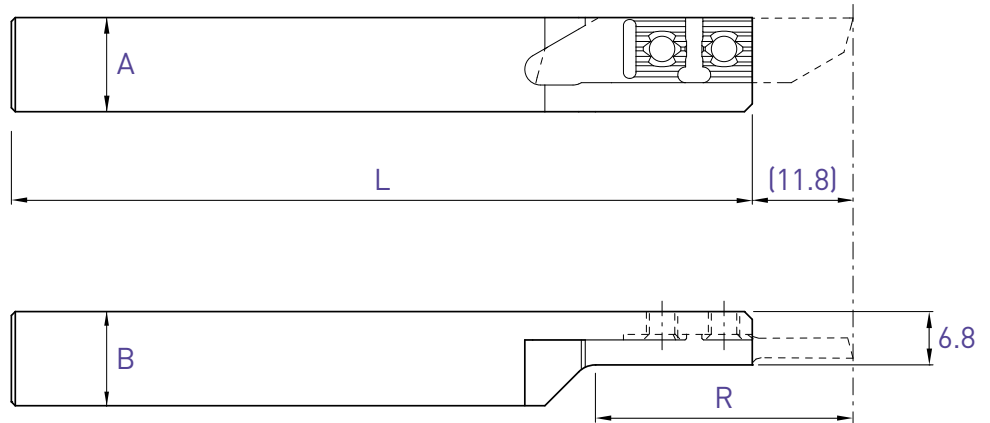
Holder


Right cut off line

650-RC

Utiliser des plaquettes type 651R
WSP Typ 651R verwenden
Use inserts type 651R

Voir dès page 36
Siehe ab Seite 36
See from page 36



 L (R) Coupe à droite déportée Versetztes Rechtsschneiden Right cut off line			
A x B	R	L	Art. N°
10 x 10	32	115	650RC-10
12 x 12	32	130	650RC-12
16 x 16	42	130	650RC-16

Chaque support est livré avec vis et clé.
Jeder Halter wird mit Spannschraube(n) und Schlüssel geliefert.
Screw(s) and key are included with each tool holder.

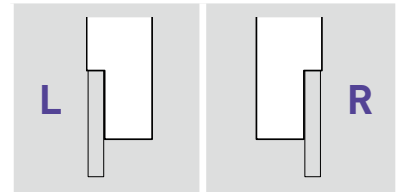
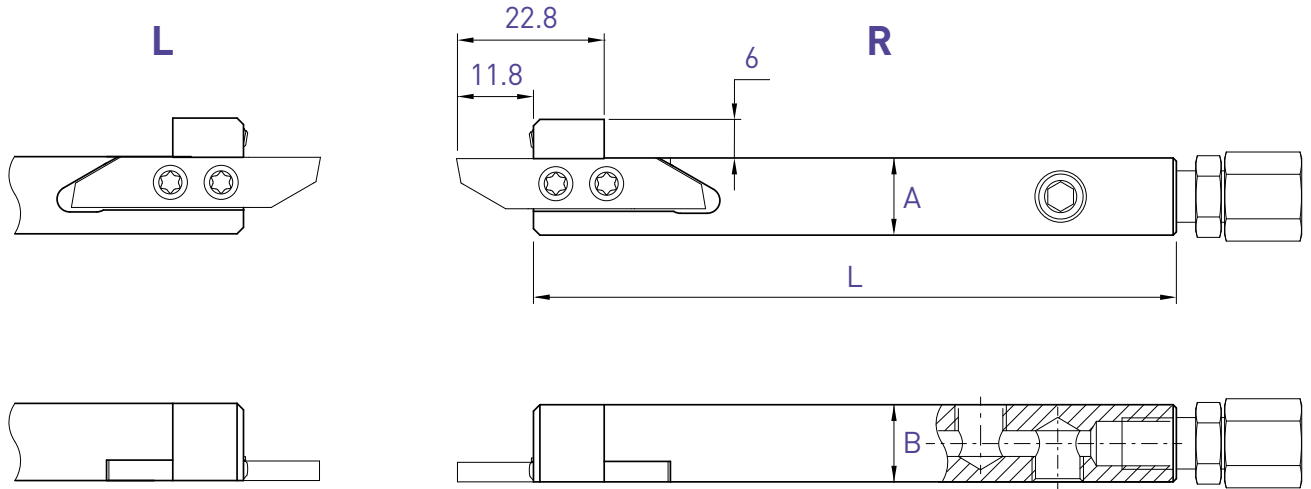
PRO-Line

Porte-outils avec arrosage intégré

Halter mit integrierter Kühlmittelzufuhr

Holder with integrated coolant supply

650-JET / 660-JET



A x B	L	Art. N°	Art. N°
10 x 12	100	650-1012-JET	660-1012-JET
12 x 12	100	650-12-JET	660-12-JET
12.7 x 12.7	100	650-12.7-JET	660-12.7-JET
16 x 16	100	650-16-JET	660-16-JET
20 x 20	100	650-20-JET	660-20-JET

Chaque support est livré avec vis, clé, raccord droit et buse d'arrosage Ø 1.5 mm.

Jeder Halter wird mit Spannschraube(n), Schlüssel, gerader Kühlmittelanschluss und Kühlmitteldüse Ø 1.5 mm geliefert.

Screw(s), key, straight connector and coolant nozzle Ø 1.5 mm are included with each tool holder.

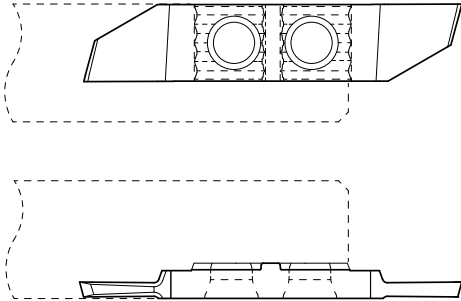
Tronçonnage

Abstechen

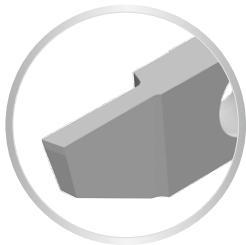
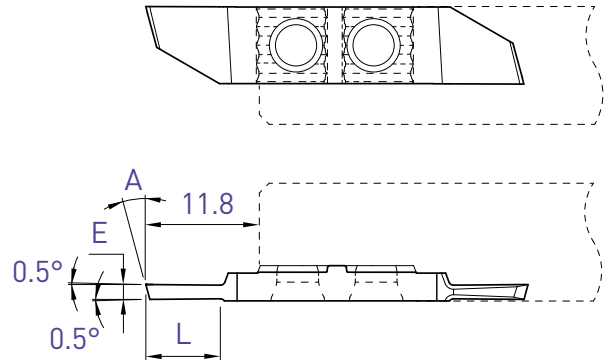
Parting off

651 / 661

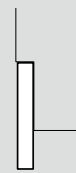
L



R



L



R



E	A	L	Art. N°	TIALN N (µk20)	Art. N°	TIALN N (µk20)
0.8	20°	5	651-0.8-20°	■ ■	661-0.8-20°	■ ■
1.0	15°	5	-		661-1.0-15°	■ ■
1.0	20°	5	651-1.0-20°	■ ■	661-1.0-20°	■ ■
1.2	15°	5	-		661-1.2-15°	■ ■
1.2	20°	5	651-1.2-20°	■ ■	661-1.2-20°	■ ■
1.5	15°	7.5	651-1.5-15°	■ ■	661-1.5-15°	■ ■
1.5	20°	7.5	-		661-1.5-20°	■ ■
1.8	15°	9	651-1.8-15°	■ ■	661-1.8-15°	■ ■
2.0	15°	11	651-2.0-15°	■ ■	661-2.0-15°	■ ■
2.5	15°	11	651-2.5-15°	■ ■	661-2.5-15°	■ ■

PRO-Line

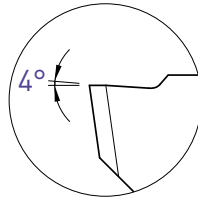
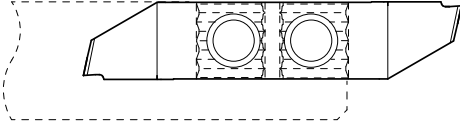
Tronçonnage

Abstechen

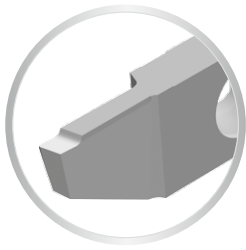
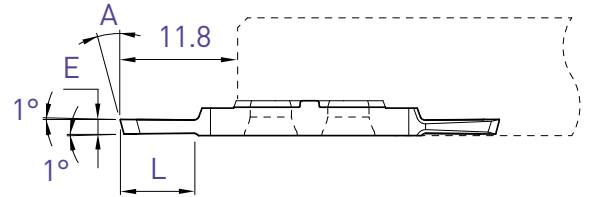
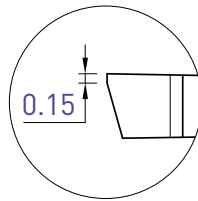
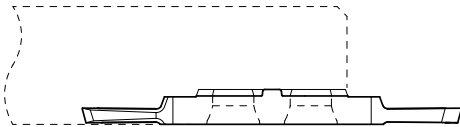
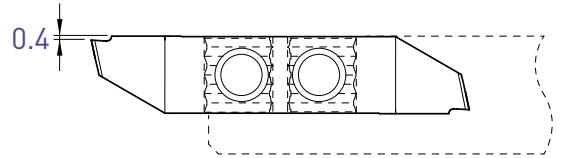
Parting off

651XF / 661XF

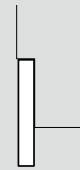
L



R



L



R



E	A	L	Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
1.5	15°	7.5	651XF-1.5	■ ■	661XF-1.5	■ ■
2.0	15°	11	651XF-2.0	■ ■	661XF-2.0	■ ■

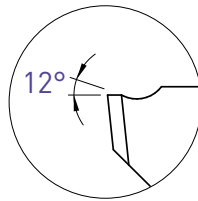
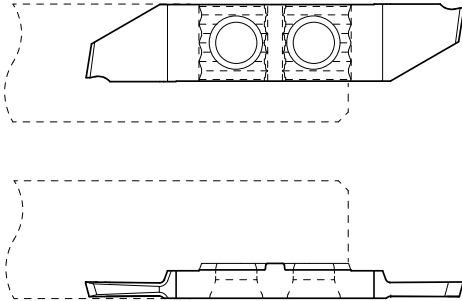
Tronçonnage

Abstechen

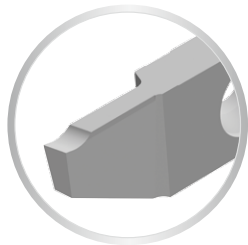
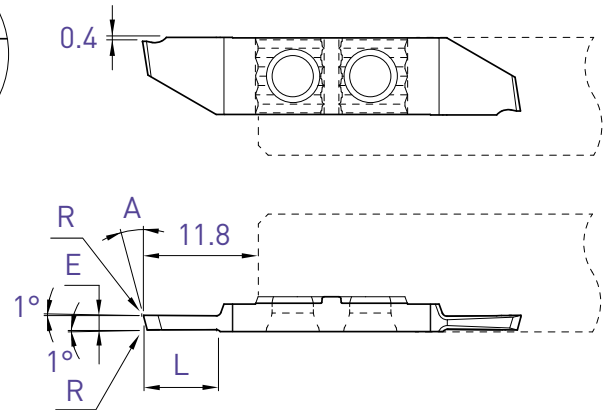
Parting off

651X12 / 661X12

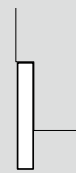
L



R



L



R



E	A	L	R	Art. N°	TIALN N (µk20)	Art. N°	TIALN N (µk20)
1.0	15°	5	0.03	651X12-1.0	■ ■	661X12-1.0	■ ■
1.5	15°	7.5	0.03	651X12-1.5	■ ■	661X12-1.5	■ ■
2.0	15°	11	0.03	651X12-2.0	■ ■	661X12-2.0	■ ■

PRO-Line

Tronçonnage

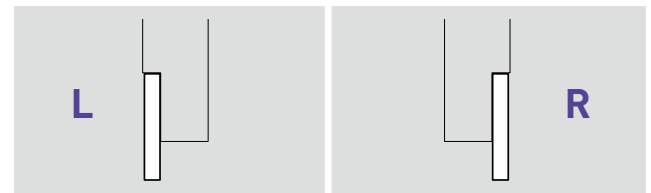
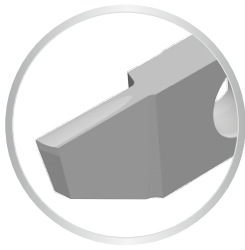
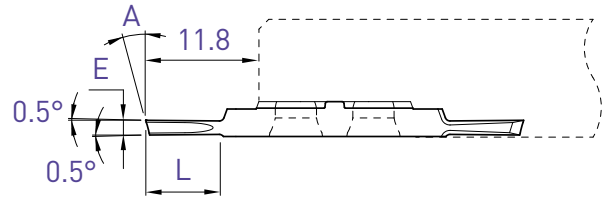
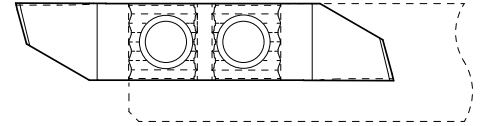
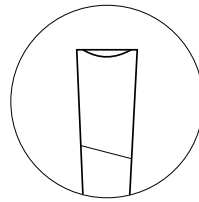
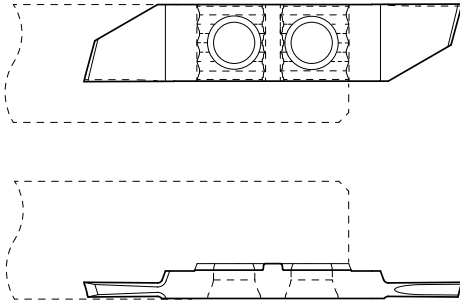
Abstechen

Parting off

651U / 661U

L

R



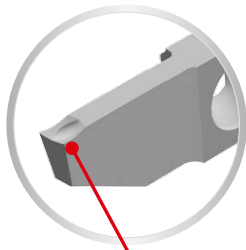
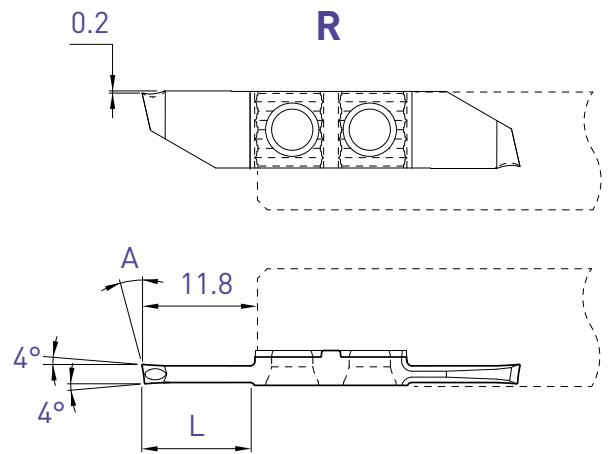
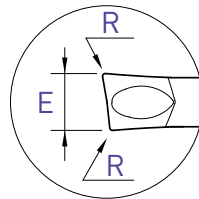
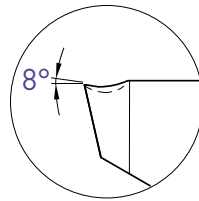
E	A	L	Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
1.5	15°	7.5	651U-1.5	■ ■	661U-1.5	■ ■
2.0	15°	11	651U-2.0	■ ■	661U-2.0	■ ■

Tronçonnage

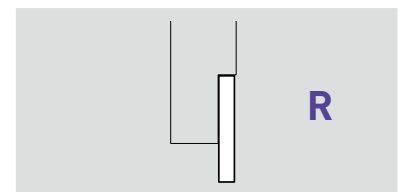
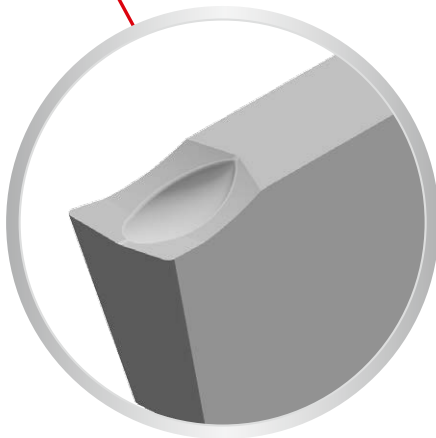
Abstechen

Parting off

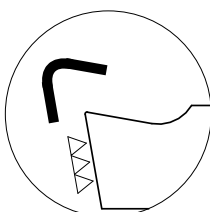
661ZU



Pour un meilleur contrôle des copeaux
Für eine bessere Spankontrolle
For a better chip-control



E	A	L	R	Art. N°	TiAlN N (µk20)
2.0	8°	11	0.10	661ZU8-2.0-8°-R10	■



Arête de coupe honée
Gehonte Schneidkante
Honed edge

f min: 0.02 mm/U

Tronçonnage

Abstechen

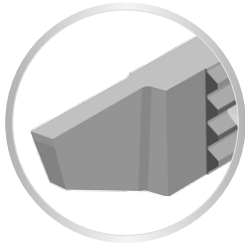
Parting off

Coupe déportée

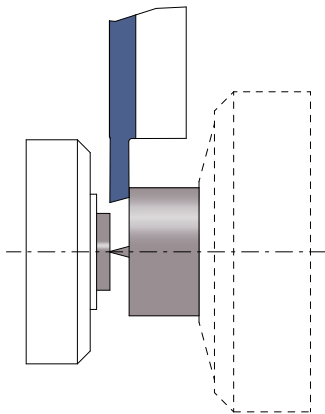
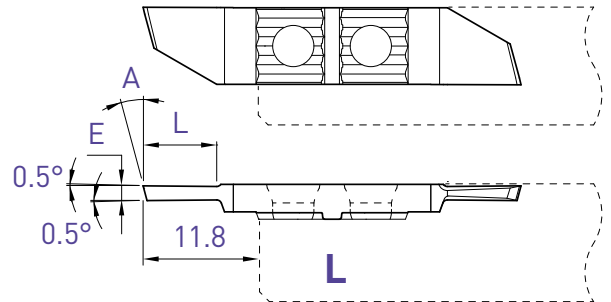
Versetztes Schneiden

Cut off line

651R



Cut R



L (R)

Coupe à droite déportée
Versetztes Rechtsschneiden
Right cut off line

E	A	L	Art. N°	TiAlN	N (µk20)
1.0	15°	5	651R-1.0-15°	■	■
1.2	15°	5	651R-1.2-15°	■	■
1.5	15°	7.5	651R-1.5-15°	■	■
2.0	15°	11	651R-2.0-15°	■	■
2.5	15°	11	651R-2.5-15°	■	■

Tronçonnage

Coupe déportée

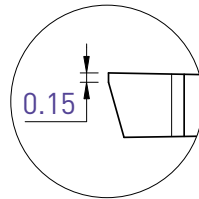
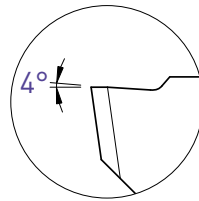
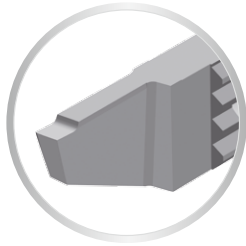
Abstechen

Versetztes Schneiden

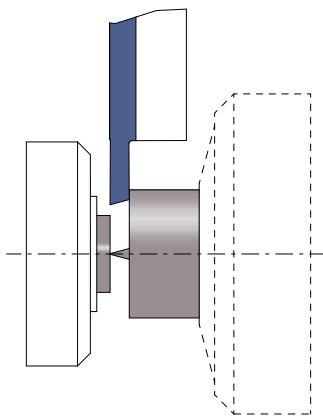
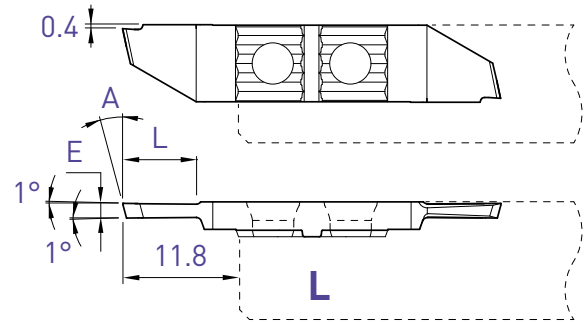
Parting off

Cut off line

651RXF



Cut R



L (R)

Coupe à droite déportée
Versetztes Rechtsschneiden
Right cut off line

E	A	L	Art. N°	TiALN	N (µk20)
1.5	15°	7.5	651RXF-1.5	■	■
2.0	15°	11	651RXF-2.0	■	■

Tronçonnage

Coupe déportée

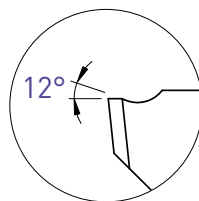
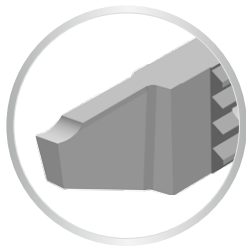
Abstechen

Versetztes Schneiden

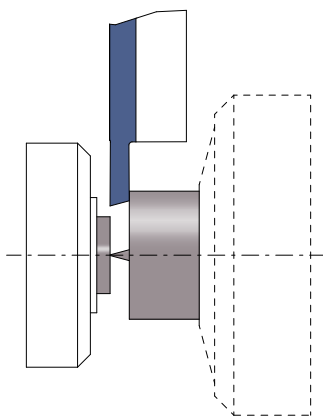
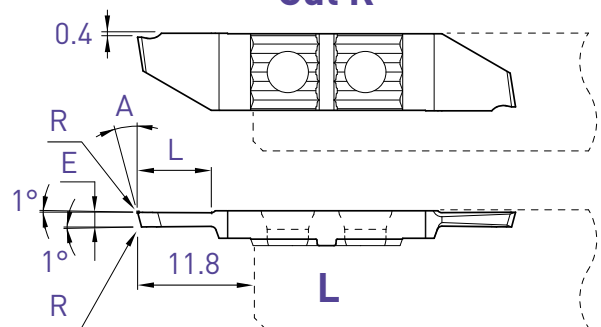
Parting off

Cut off line

651RX12



Cut R



L (R)

Coupe à droite déportée
Versetztes Rechtsschneiden
Right cut off line

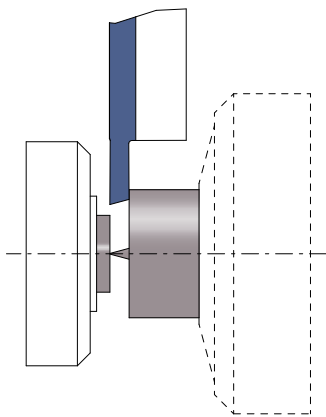
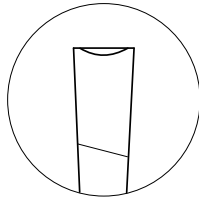
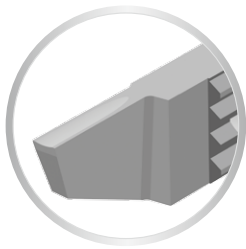
E	A	L	R	Art. N°	TiALN	N (µk20)
1.5	15°	7.5	0.03	651RX12-1.5	■	■
2.0	15°	11	0.03	651RX12-2.0	■	■

■ = disponible / verfügbar / available

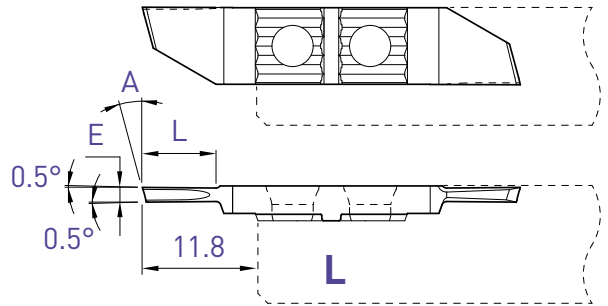
□ = selon disponibilité du stock / jenach Lagerverfügbarkeit / depending the stock availability

PRO-Line

Tronçonnage	Coupe déportée	651RU
Abstechen	Versetztes Schneiden	
Parting off	Cut off line	



Cut R

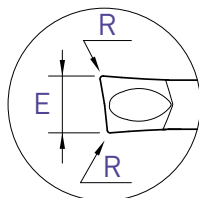
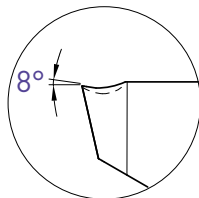
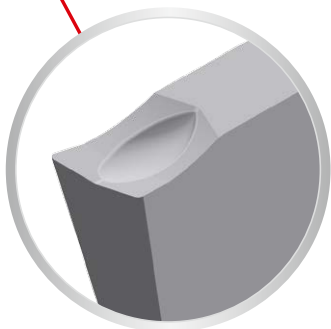
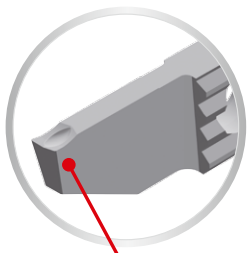


L (R)

Coupe à droite déportée
Versetztes Rechtsschneiden
Right cut off line

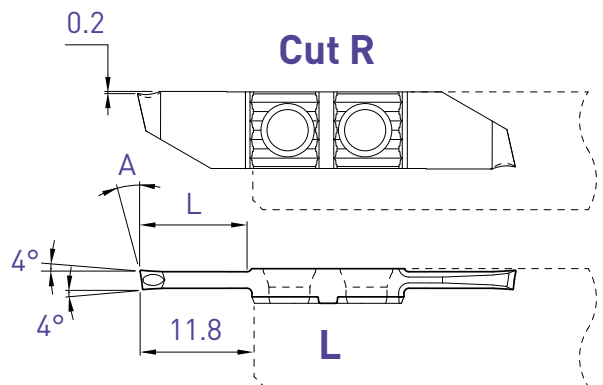
E	A	L	Art. N°	TiALN N (µk20)
1.5	15°	7.5	651RU-1.5	■ ■
2.0	15°	11	651RU-2.0	■ ■

Tronçonnage	Coupe déportée	651RZU
Abstechen	Versetztes Schneiden	
Parting off	Cut off line	



Pour un meilleur contrôle des copeaux
Für eine bessere Spankontrolle
For a better chip-control

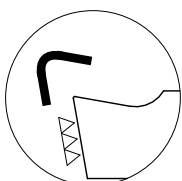
Cut R



L (R)

Coupe à droite déportée
Versetztes Rechtsschneiden
Right cut off line

E	A	L	R	Art. N°	TiALN N (µk20)
2.0	8°	11	0.10	651RZU8-2.0-8°-R10	■



Arête de coupe honée
Gehonte Schneidkante
Honed edge

f min: 0.02 mm/U

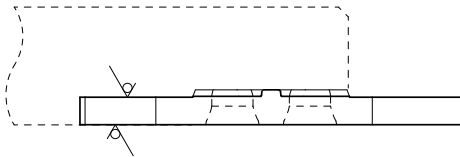
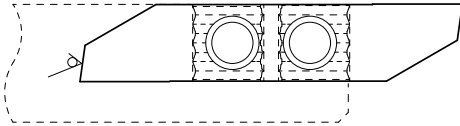
Plaquette ébauche

WSP-Rohling

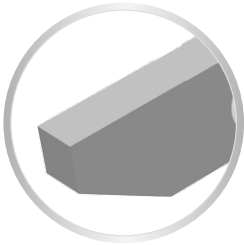
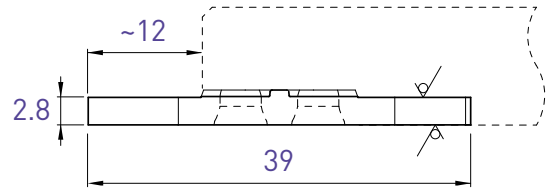
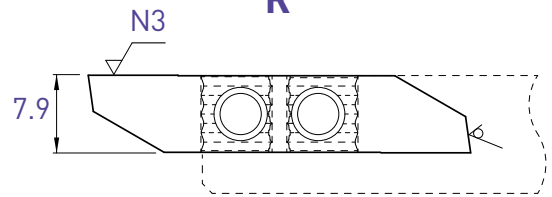
Blank insert

651-EP / 661-EP

L



R



Face de coupe polie
Polierte Schneidfläche
Cutting face polished


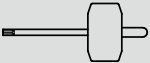

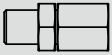



L		R	
Art. N°	TiAlN N (µk20)	Art. N°	TiAlN N (µk20)
651-EP	□ ■	661-EP	□ ■

PRO-Line

Pièces de rechange et accessoires

Ersatzteile und Zubehör

Spare parts and accessories

Porte-outils Halter Holders	Pièces de rechange Ersatzteile Spare parts					Accessoires Zubehöre Accessories	
			 	 		Option Art. N°	Recommandation de serrage Drehmoment Empfehlung Clamping recommendation
630 640	V-M4X9-T15	C-T15	-	-	-	SET-NM-TX15	3 Nm
630-JET 640-JET	V-M4X9-T15	C-T15	J-M8X1-D6	JB-M8X1	JJ-M3X6-D1.5	SET-NM-TX15	3 Nm
650 660	V-M4X9-T15	C-T15	-	-	-	SET-NM-TX15	3 Nm
650-RC	V-M4X6.5-T15	C-T15	-	-	-	SET-NM-TX15	3 Nm
650-JET 660-JET	V-M4X9-T15	C-T15	J-M8X1-D6	JB-M8X1	JJ-M3X6-D1.5	SET-NM-TX15	3 Nm



SET-NM-TX15

APPLITEC

APPLITEC

SWISS TOOLING



TOP-Line



TOP-Watch



TRIO-Line



ECO-Line



ISO-Line



CUT-Line



MODU-Line



TOOLING-Line



MICRO-Line



CIRCO-Line



IN-Line

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