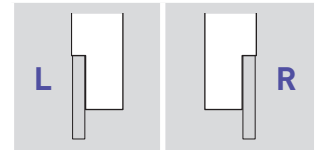
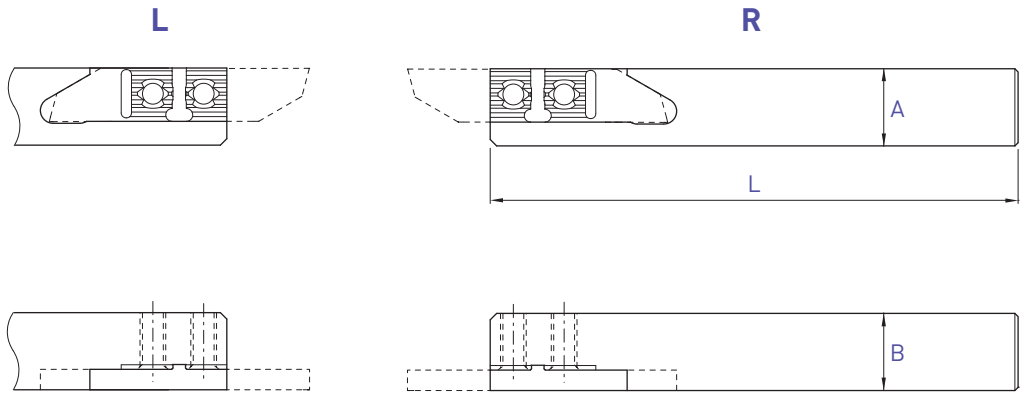


Porte-outils

Halter

Holder

650 / 660



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.

■ = disponible / verfügbar / available

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

Porte-outils

Halter

Holder

Coupe à droite déportée

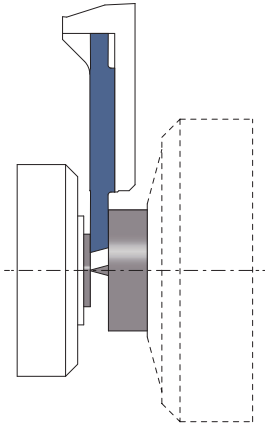
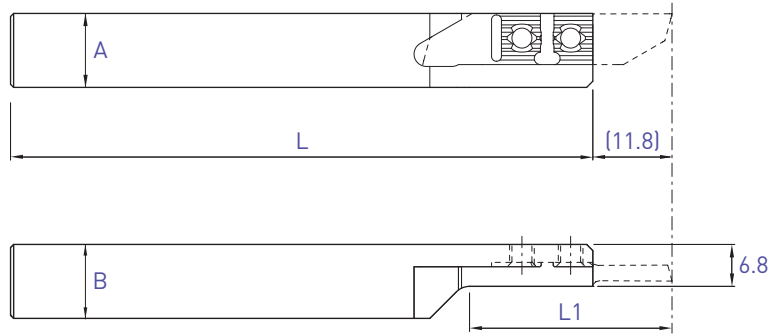
Versetztes Rechtsschneiden

Right cut off line

650 RC

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

Voir dès page 3.39
Siehe ab Seite 3.39
See from page 3.39

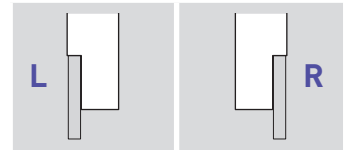
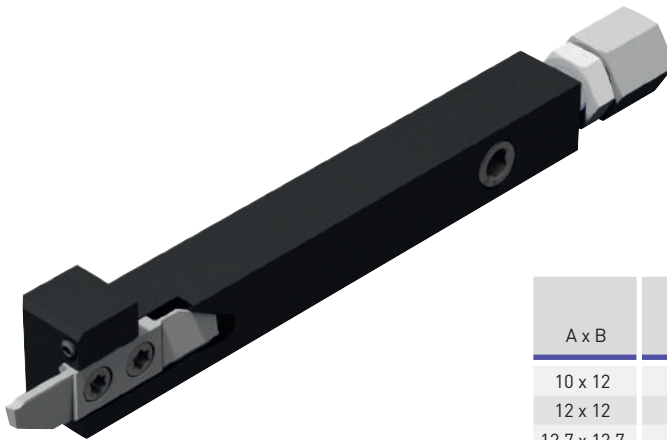
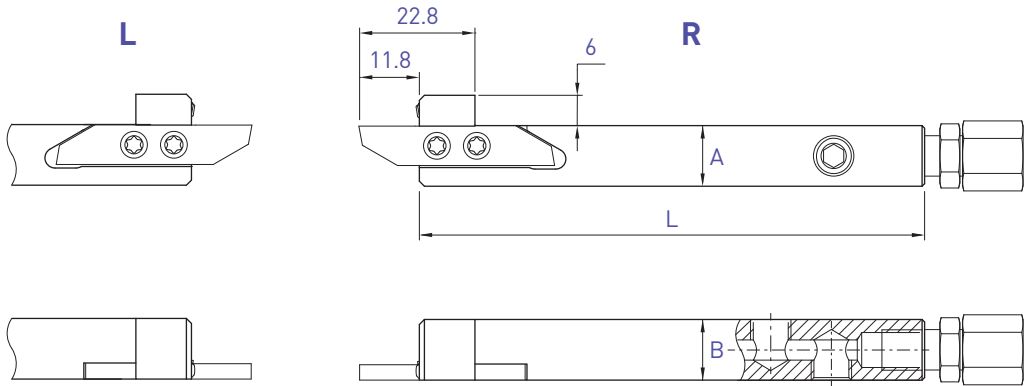


L (R)			
Coupe à droite déportée Versetztes Rechtsschneiden Right cut off line			
A x B	L	L1	Art. N°
10 x 10	115	32	650RC-10
12 x 12	130	32	650RC-12
16 x 16	130	42	650RC-16

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.

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

650-JET / 660-JET



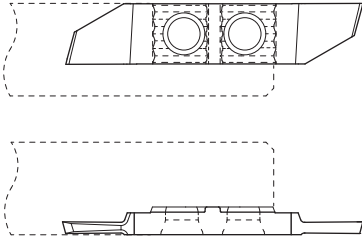
A x B	L	Art. N°	Art. N°
10 x 12	100	650-1012-JET	660-1012-JET
12 x 12	100	650-12-JET	660-12-JET
12.7 x 12.7	100	650-12.7-JET	660-12.7-JET
16 x 16	100	650-16-JET	660-16-JET
20 x 20	100	650-20-JET	660-20-JET

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

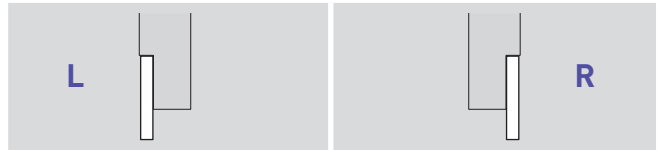
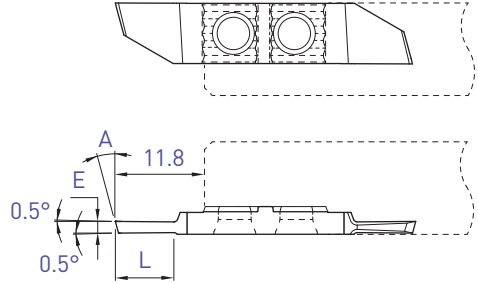
Jeder Halter wird mit Spannschraube(n), Schlüssel, gerader Kühlmittelanschluss und Kühlmitteldüse Ø 1.5 mm geliefert.

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

L



R



E	A	L	L				R			
			Art. N°	TiAlN N (µk20)	HTA HN (µk10)		Art. N°	TiAlN N (µk20)	HTA HN (µk10)	
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°	■ ■	□ □	

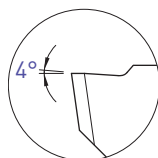
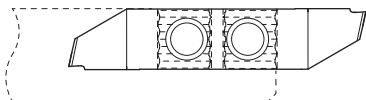
Tronçonnage

Abstechen

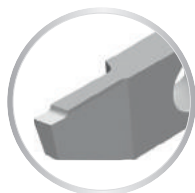
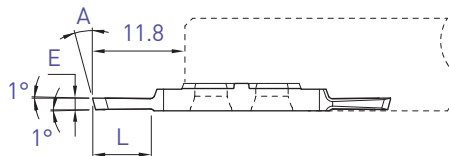
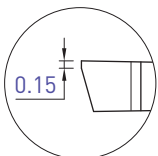
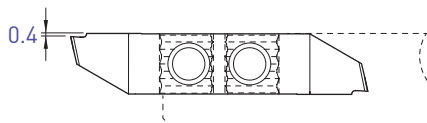
Parting off

651XF / 661XF

L



R



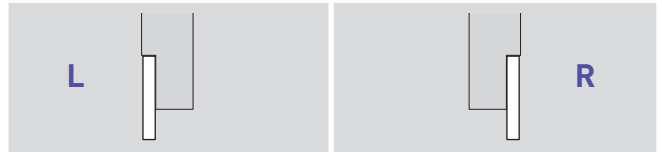
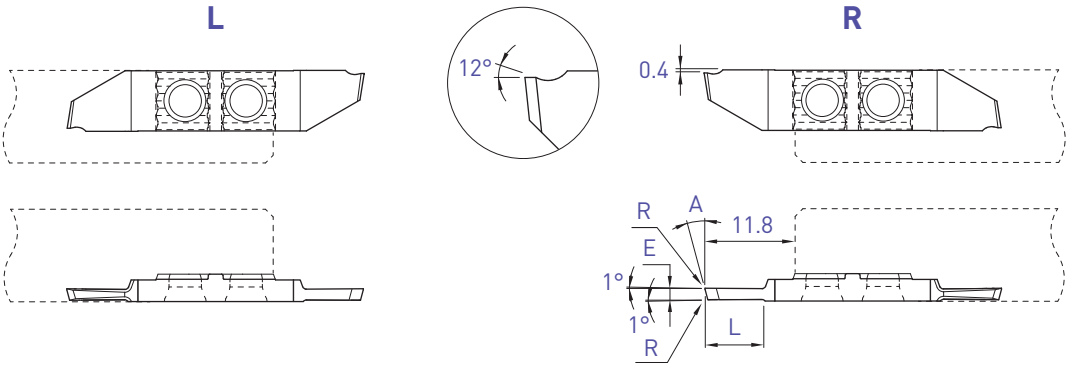
L



R



E	A	L	Art. N°	TiAlN N [µk20]	HTA HN [µk10]	Art. N°	TiAlN N [µk20]	HTA HN [µk10]
1.5	15°	7.5	651XF-1.5	■ ■		661XF-1.5	■ ■	□ □
2.0	15°	11	651XF-2.0	■ ■		661XF-2.0	■ ■	□ □



E	A	L	R	Art. N°	TiAlN N [µk20]	HTA HN [µk10]	Art. N°	TiAlN N [µk20]	HTA HN [µk10]
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	■ ■	□ □

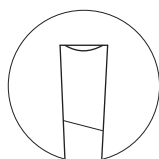
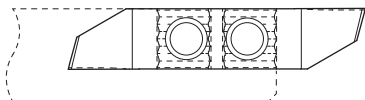
Tronçonnage

Abstechen

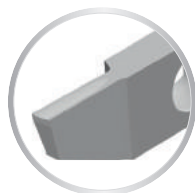
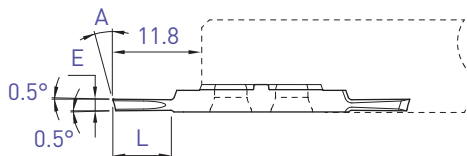
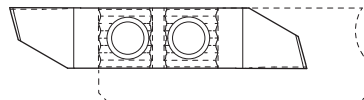
Parting off

651U / 661U

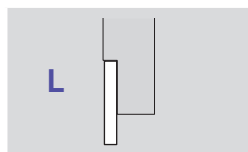
L



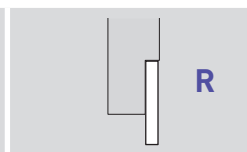
R



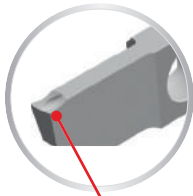
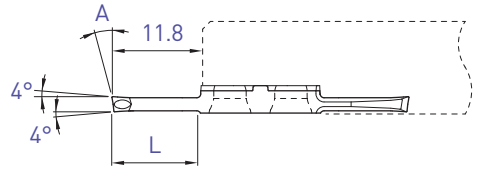
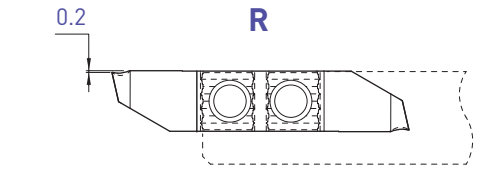
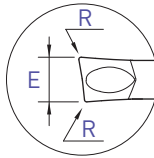
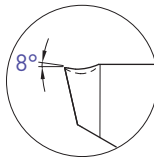
L



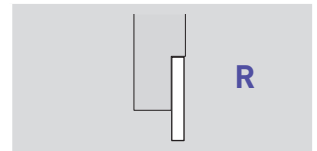
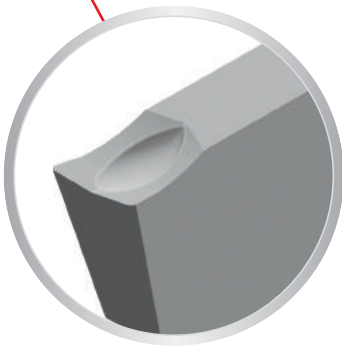
R



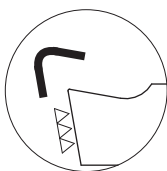
E	A	L	Art. N°	TiAlN N (µm20)	Art. N°	TiAlN N (µm20)
1.5	15°	7.5	651U-1.5	■ ■	661U-1.5	■ ■
2.0	15°	11	651U-2.0	■ ■	661U-2.0	■ ■



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	■



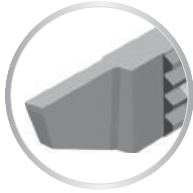
Arête de coupe honée
Gehonte Schneidkante
Honed edge

f min: 0.02 mm/U

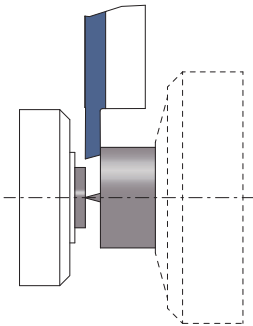
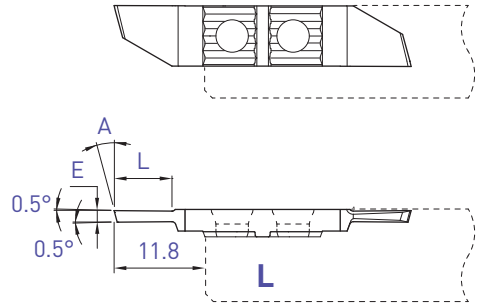
Tronçonnage
Abstechen
Parting off

Coupe déportée
Versetzttes Schneiden
Cut off line

651R



Cut R



L (R)

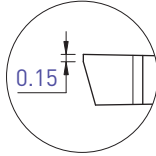
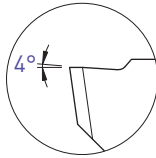
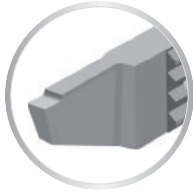
Coupe à droite déportée
Versetzttes Rechtsschneiden
Right cut off line

E	A	L	Art. N°	Ti/AlN N (µk20)	HTA	HN (µk10)
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°	■ ■	□ □	

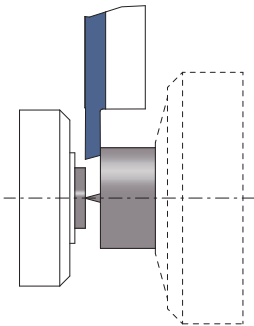
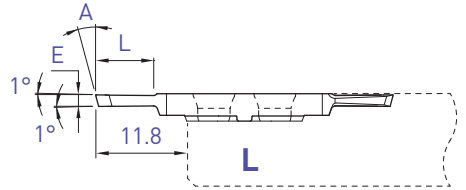
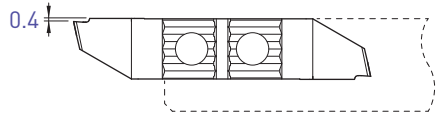
Tronçonnage
 Abstechen
 Parting off

Coupe déportée
 Versetztes Schneiden
 Cut off line

651RXF



Cut R



L (R)

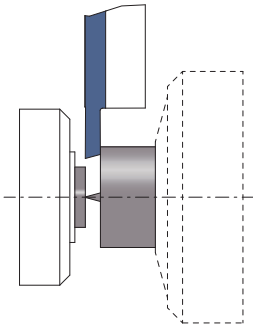
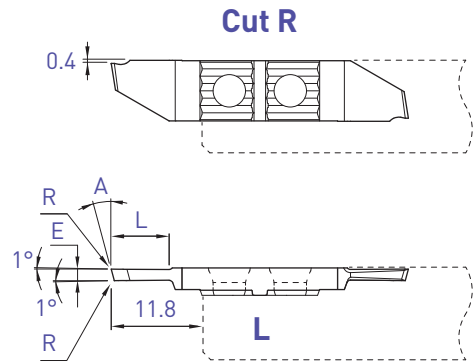
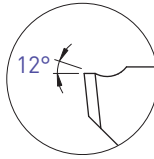
Coupe à droite déportée
 Versetztes Rechtsschneiden
 Right cut off line

E	A	L	Art. N°	Ti/AIN N (µk20)	HTA	HN (µk10)
1.5	15°	7.5	651RXF-1.5	■ ■	□ □	
2.0	15°	11	651RXF-2.0	■ ■	□ □	

Tronçonnage
Abstechen
Parting off

Coupe déportée
Versetztes Schneiden
Cut off line

651RX12



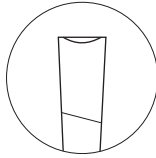
L (R)
Coupe à droite déportée
Versetztes Rechtsschneiden
Right cut off line

E	A	L	R	Art. N°	Ti/AIN N (µk20)	HTA	HN (µk10)
1.5	15°	7.5	0.03	651RX12-1.5	■ ■	□ □	
2.0	15°	11	0.03	651RX12-2.0	■ ■	□ □	

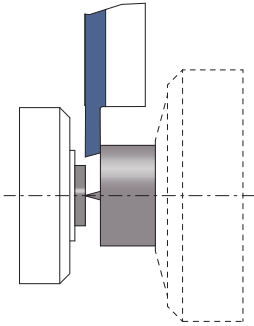
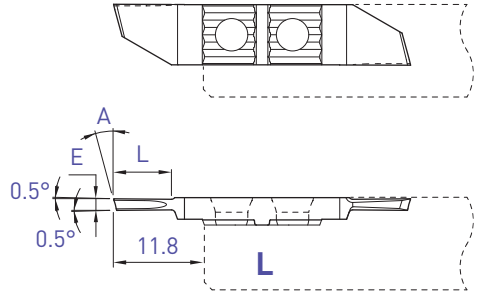
Tronçonnage
 Abstechen
 Parting off

Coupe déportée
 Versetztes Schneiden
 Cut off line

651RU



Cut R



L (R)

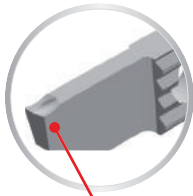
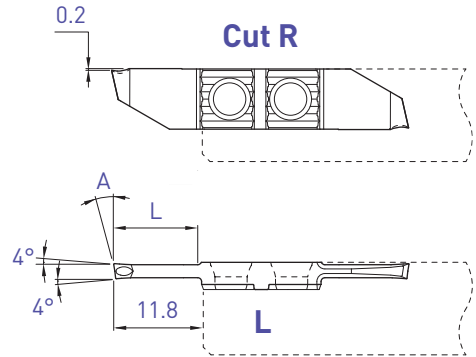
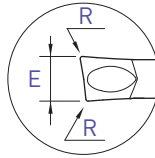
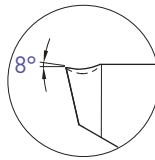
Coupe à droite déportée
 Versetztes Rechtsschneiden
 Right cut off line

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

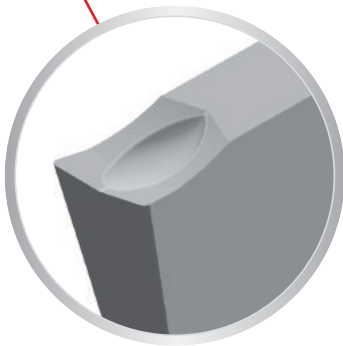
Tronçonnage
Abstechen
Parting off

Coupe déportée
Versetztes Schneiden
Cut off line

651RZU



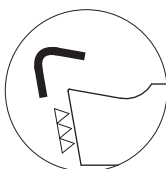
Pour un meilleur contrôle des copeaux
Für eine bessere Spankontrolle
For a better chip control



L (R)

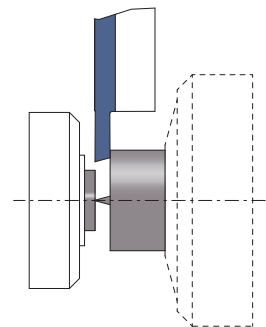
Coupe à droite déportée
Versetztes Rechtsschneiden
Right cut off line

E	A	L	R	Art. N°	TiAlN N (µm20)
2.0	8°	11	0.10	651RZU8-2.0-8°-R10	■

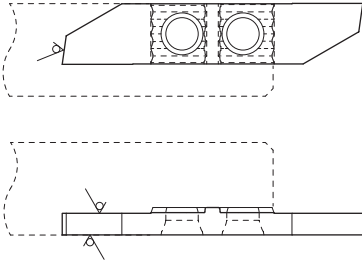


Arête de coupe honée
Gehonte Schneidkante
Honed edge

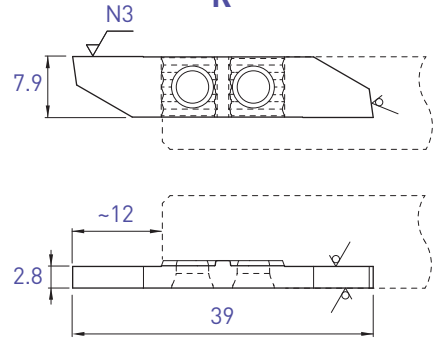
f min: 0.02 mm/U



L



R



Face de coupe polie
 Polierte Schneidfläche
 Polished cutting face

L				R			
Art. N°	TiAlN N (µk20)	HTA	HN (µk10)	Art. N°	TiAlN N (µk20)	HTA	HN (µk10)
651-EP	■ ■	■ ■		661-EP	■ ■	■ ■	