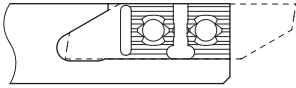
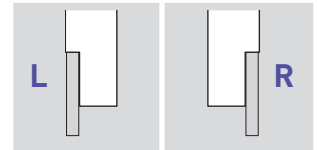
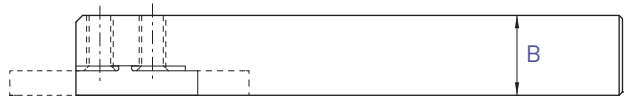
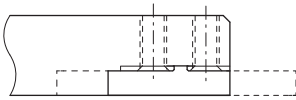
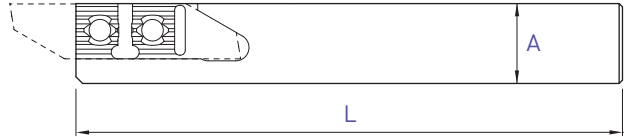


L



R

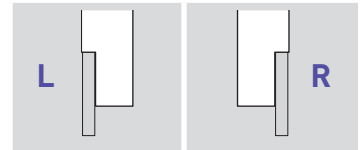
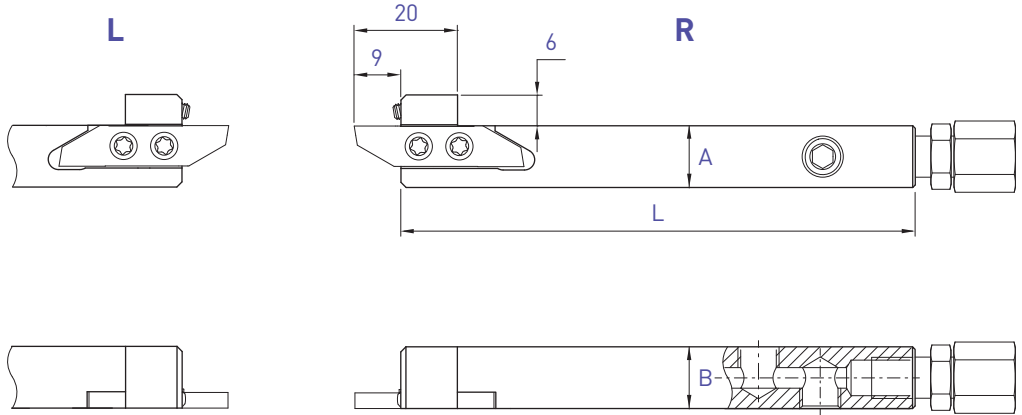


A x B	L	Art. N°	Art. N°
8 x 8	115	630-8	640-8
10 x 10	115	630-10	640-10
10 x 10	50	630-10-50	640-10-50
12 x 12	130	630-12	640-12
12 x 12	90	630-12-90	640-12-90
12.7 x 12.7	130	630-12.7	640-12.7
16 x 16	130	630-16	640-16
16 x 16	75	630-16-75	640-16-75
20 x 20	120	630-20	640-20

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

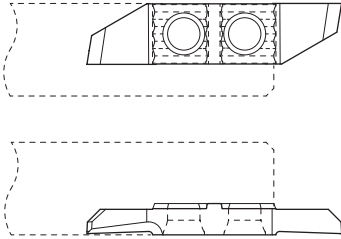
Chaque support est livré avec vis, clé, raccord droit et buse d'arrosage Ø 1.5 mm.
 Jeder Halter wird mit Spannschraube(n), Schlüssel, gerader Kühlmittelanschluss und Kühlmitteldüse Ø 1.5 mm geliefert.
 Screw(s), key, straight connector and coolant nozzle Ø 1.5 mm are included with each tool holder.

PRO-LINE

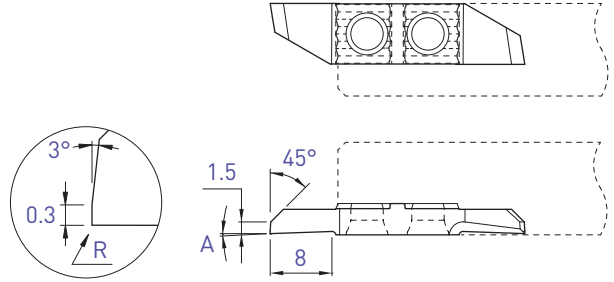
Tournage avant
Vorwärts drehen
Front turning

632 / 642

L



R



L



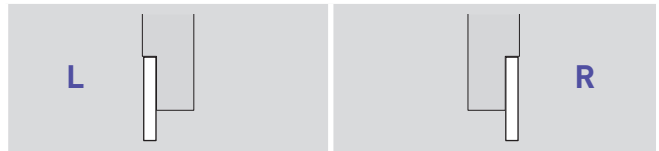
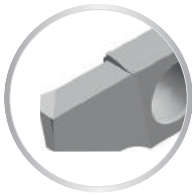
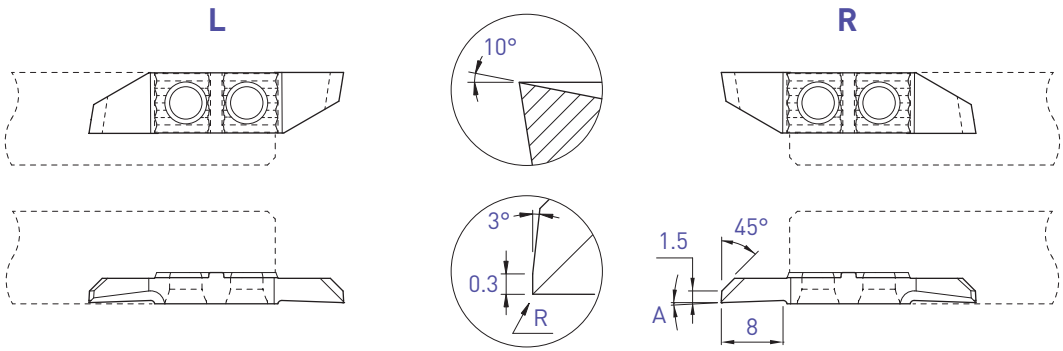
R



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

Tournage avant
Vorwärts drehen
Front turning

632X / 642X



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

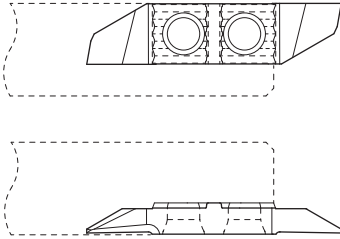
Tournage multifonction

Mehrweck drehen

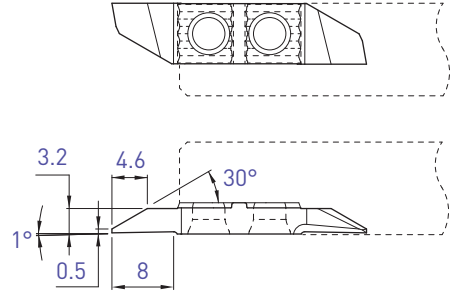
Multifunction turning

632S / 642S

L



R



Tournage avant
Vorwärts drehen
Front turning

L				R			
Art. N°	TiAlN N (µk20)	HTA	HN (µk10)	Art. N°	TiAlN N (µk20)	HTA	HN (µk10)
632S05	■ ■			642S05	■ ■	□ □	

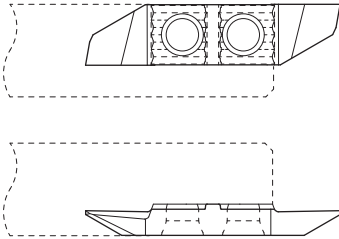
Tournage multifonction

Mehrweck drehen

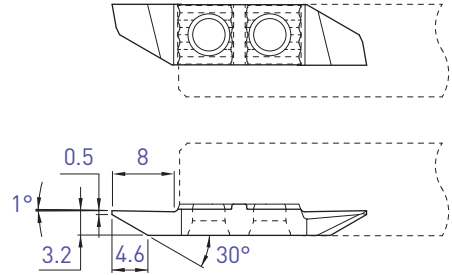
Multifunction turning

633S / 643S

L



R



Tournage arrière
Rückwärts drehen
Back turning

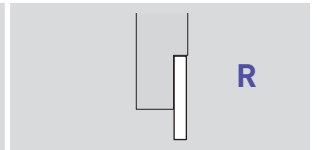
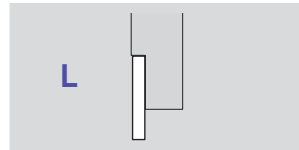
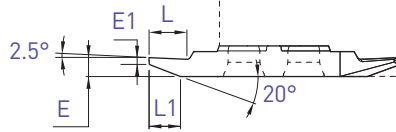
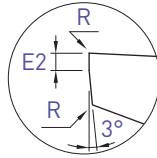
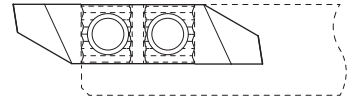
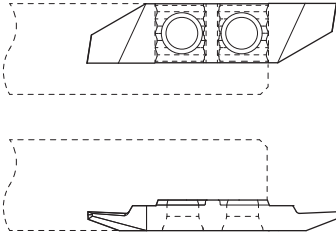
L				R			
Art. N°	TiAlN N [µk20]	HTA	HN [µk10]	Art. N°	TiAlN N [µk20]	HTA	HN [µk10]
633S05	■ ■			643S05	■ ■	□ □	

Tournage arrière
 Rückwärts drehen
 Back turning

633 / 643

L

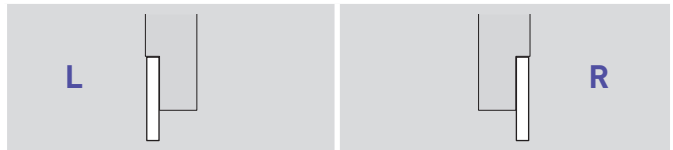
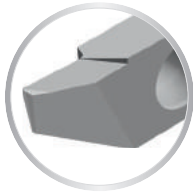
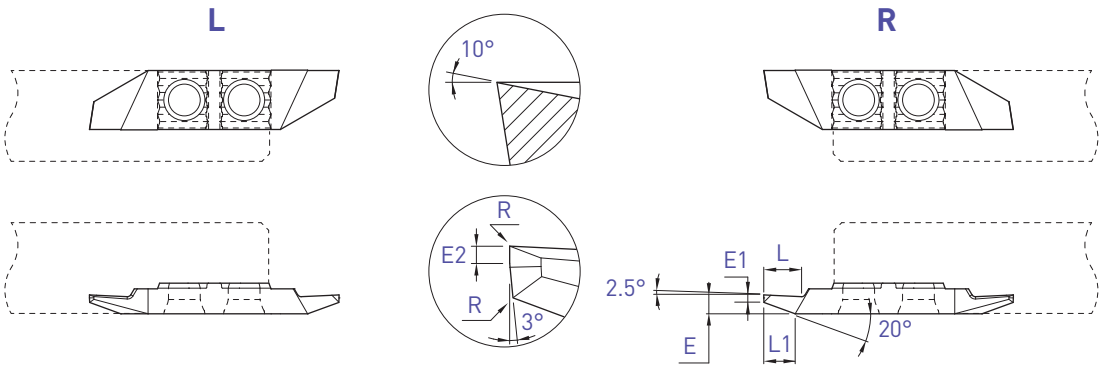
R



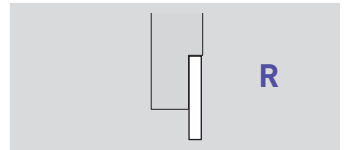
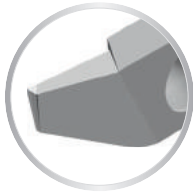
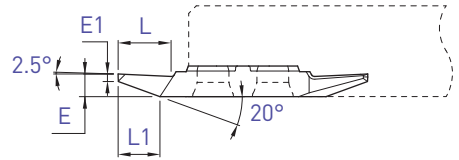
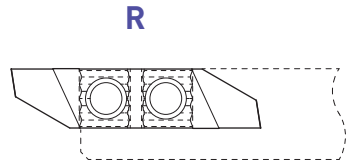
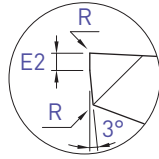
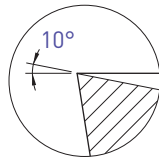
E1	E2	L	L1	E	R	Art. N°	TiAlN N (µk20)	HTA HN (µk10)	Art. N°	TiAlN N (µk20)	HTA HN (µk10)
0.5	0.25	3	2.8	1.5	0	633-0.5	■ ■		643-0.5	■ ■	□ □
0.5	0.25	3	2.8	1.5	0.08	-			643-0.5-R08	■ ■	□ □
0.8	0.40	4.5	3.3	2.0	0	-			643-0.8	■ ■	□ □
0.8	0.40	4.5	3.3	2.0	0.08	-			643-0.8-R08	■ ■	□ □
1.0	0.40	5	4.2	2.5	0	-			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	■ ■	□ □

Tournage arrière
 Rückwärts drehen
 Back turning

633X / 643X



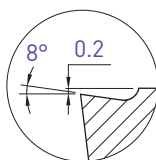
E1	E2	L	L1	E	R	Art. N°	TiAlN N (µk20)	HTA HN (µk10)	Art. N°	TiAlN N (µk20)	HTA HN (µk10)
0.5	0.25	3	2.8	1.5	0	633X10-0.5	■ ■		643X10-0.5	■ ■	□ □
0.5	0.25	3	2.8	1.5	0.08	-			643X10-0.5-R08	■ ■	□ □
0.8	0.40	4.5	3.3	2.0	0	-			643X10-0.8	■ ■	□ □
0.8	0.40	4.5	3.3	2.0	0.08	-			643X10-0.8-R08	■ ■	□ □
1.0	0.40	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	■ ■	□ □



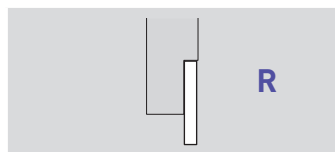
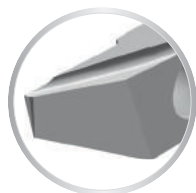
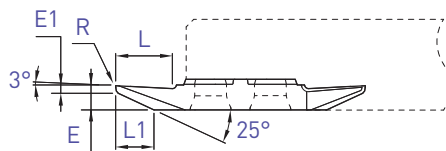
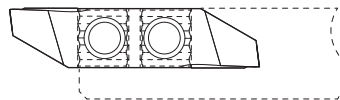
E1	E2	L	L1	E	R	Art. N°	TiAlN N [µk20]	HTA	HN [µk10]
1.0	0.4	7	5.5	3.0	0	643X10S-1.0	■ ■	□ □	
1.0	0.4	7	5.5	3.0	0.08	643X10S-1.0-R08	■ ■	□ □	

Tournage arrière
 Rückwärts drehen
 Back turning

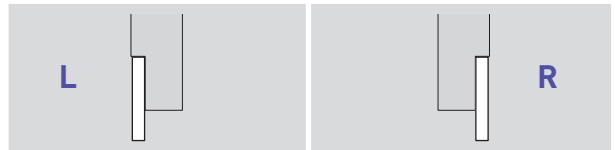
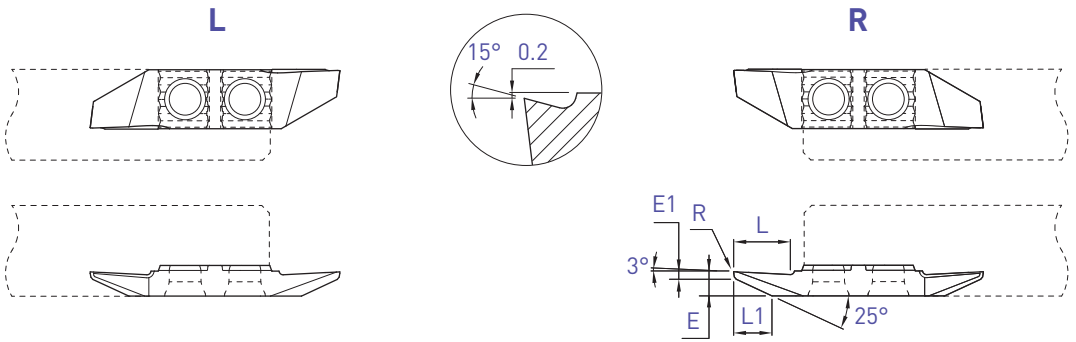
643VX8



R



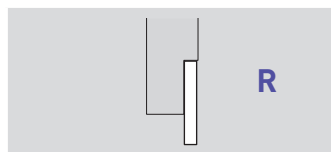
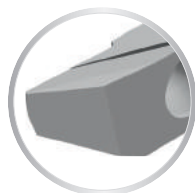
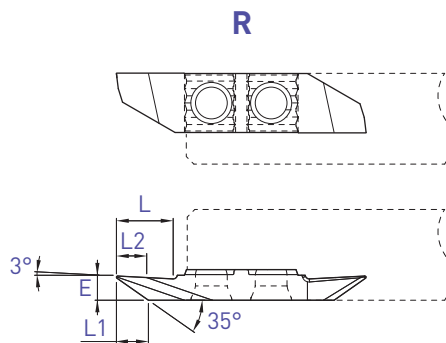
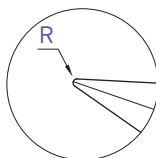
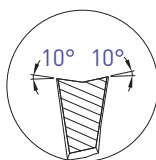
E1	L	L1	E	R	Art. N°	TiAlN N [µk20]	HTA	HN [µk10]
1.0	7.5	5.0	3.2	0	643VX8	■ ■	□ □	
1.0	7.5	5.0	3.2	0.08	643VX8-R08	■ ■	□ □	



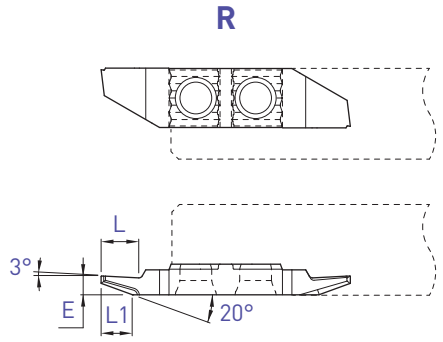
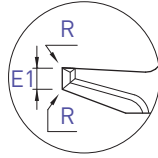
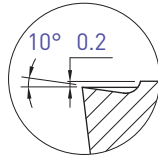
E1	L	L1	E	R	Art. N°	TiAlN N [µk20]	HTA HN [µk10]	Art. N°	TiAlN N [µk20]	HTA HN [µk10]
0.6	7.5	5.2	3.2	0	633VX15	■ ■		643VX15	■ ■	□ □
0.6	7.5	5.2	3.2	0.08	-			643VX15-R08	■ ■	□ □

Tournage arrière
 Rückwärts drehen
 Back turning

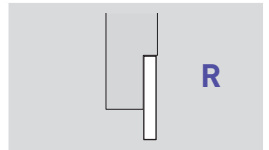
643VUX



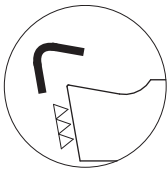
L	L1	L2	E	R	Art. N°	TiAlN N [µk20]	HTA	HN [µk10]
7.5	4.2	4.0	3.2	0.15	643VUX10-R15	■ ■	□ □	
7.5	3.8	3.8	3.2	0.35	643VUX10-R35	■ ■	□ □	



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



E1	L	L1	E	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

Fonçage-tournage

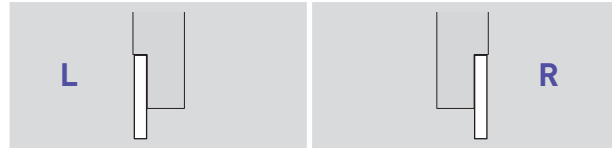
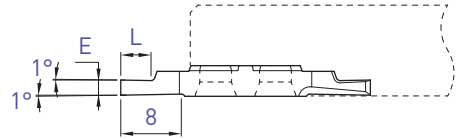
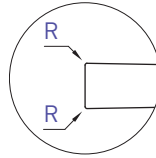
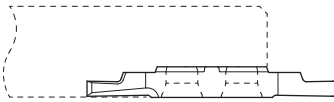
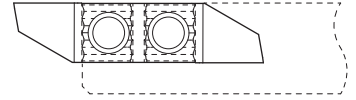
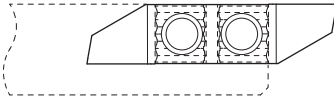
Einstecken und drehen

Grooving and turning

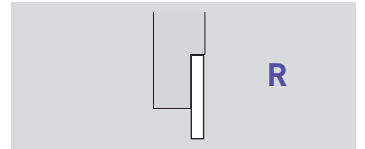
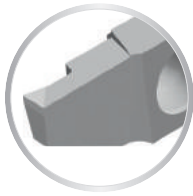
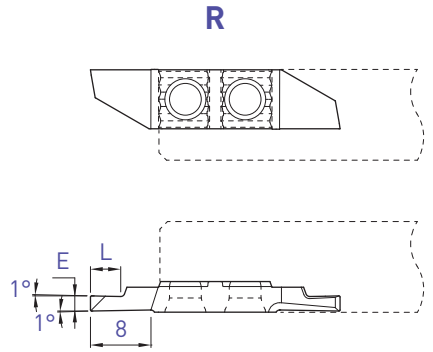
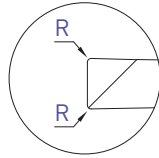
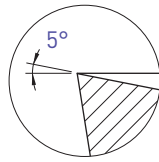
634 / 644

L

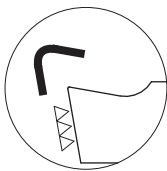
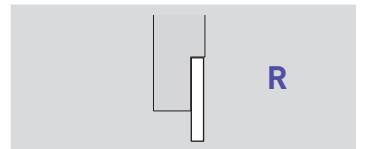
R



E	L	R	Art. N°	TiAlN N (µk20)	HTA HN (µk10)	Art. N°	TiAlN N (µk20)	HTA HN (µk10)
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	0.08	-			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	■ ■	□ □



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



Arête de coupe honée
 Gehonte Schneidkante
 Honed edge

f min: 0.02 mm/U

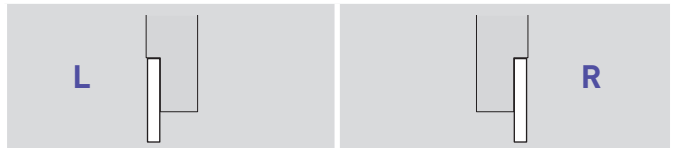
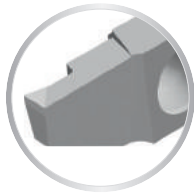
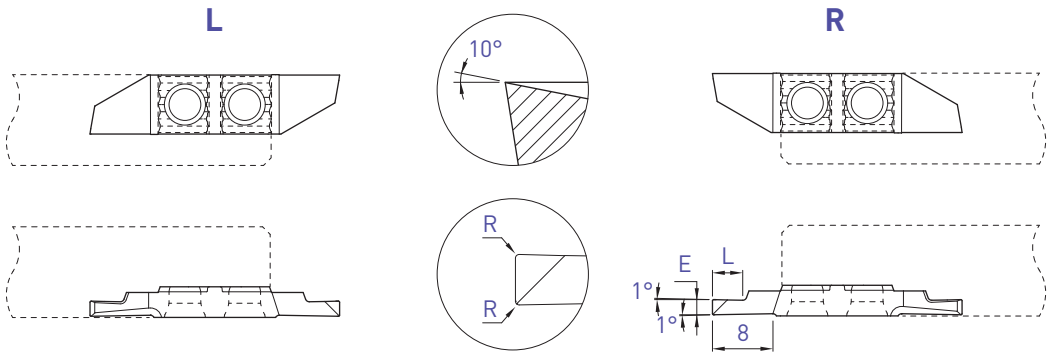
E	L	R	Art. N°	TiAlN N (µk20)	HTA	HN (µk10)
1.5	3	0.08	644X5-1.5-R08-EP	■ ■		
2	4	0.08	644X5-2.0-R08-EP	■ ■		
2	4	0.15	644X5-2.0-R15-EP	■ ■		
2.5	6	0.08	644X5-2.5-R08-EP	■ ■		
2.5	6	0.15	644X5-2.5-R15-EP	■ ■		
3	6	0.08	644X5-3.0-R08-EP	■ ■		
3	6	0.15	644X5-3.0-R15-EP	■ ■		

Fonçage-tournage

Einstecken und drehen

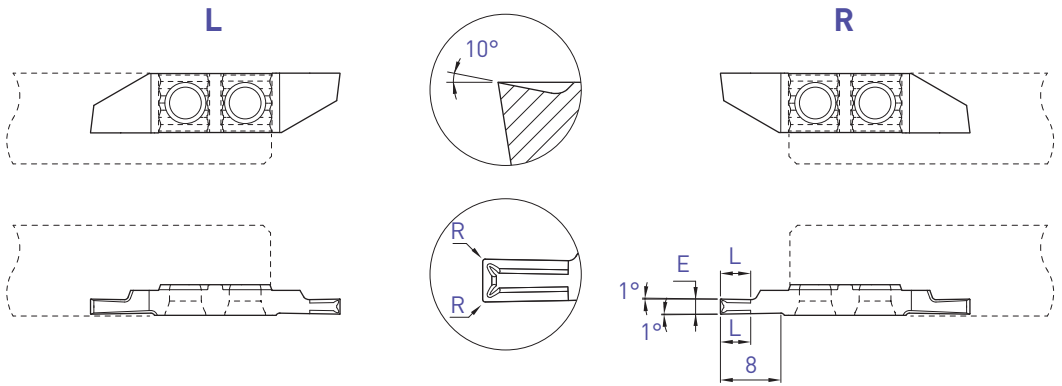
Grooving and turning

634X10 / 644X10

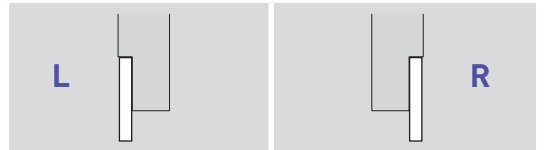


			L				R			
E	L	R	Art. N°	TiAlN N (µk20)	HTA HN (µk10)	Art. N°	TiAlN N (µk20)	HTA HN (µk10)		
0.8	2	0	634X10-0.8	■ ■		644X10-0.8	■ ■	□ □		
1.0	2.5	0	634X10-1.0	■ ■		644X10-1.0	■ ■	□ □		
1.0	2.5	0.08	634X10-1.0-R08	■ ■		644X10-1.0-R08	■ ■	□ □		
1.2	3	0	-			644X10-1.2	■ ■	□ □		
1.2	3	0.08	-			644X10-1.2-R08	■ ■	□ □		
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	■ ■	□ □		

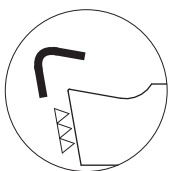
■ = disponible / verfügbar / available
 □ = selon disponibilité du stock / jenach Lagerverfügbarkeit / depending on stock availability



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

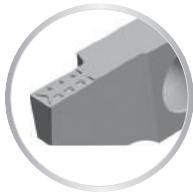
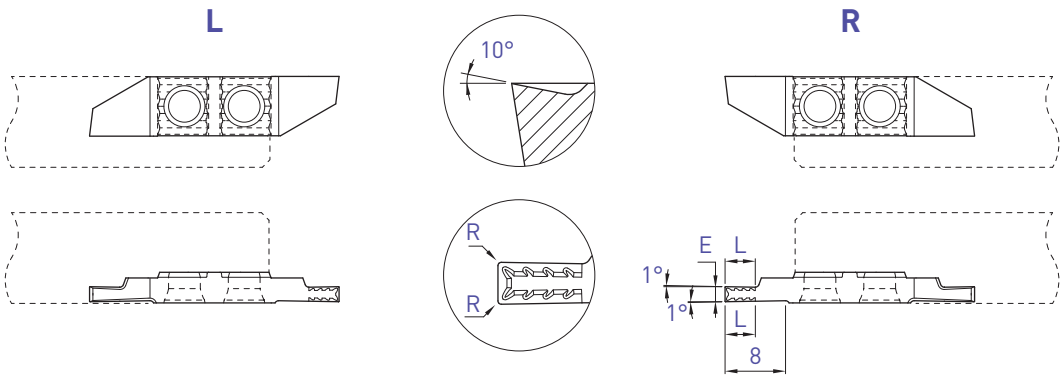
f min: 0.02 mm/U

Fonçage-tournage

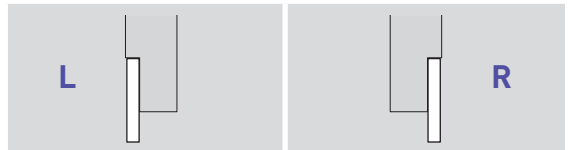
Einstecken und drehen

Grooving and turning

634ZXT / 644ZXT



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



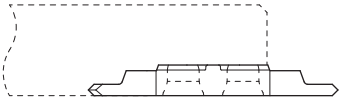
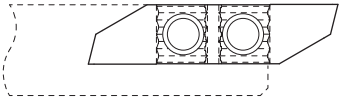
E	L	R	Art. N°	TiAlN N (µm20)	Art. N°	TiAlN N (µm20)
1.0	2.5	0.01	634ZXT10-1.0	■	644ZXT10-1.0	■
1.5	4	0.01	634ZXT10-1.5	■	644ZXT10-1.5	■
1.5	4	0.08	634ZXT10-1.5-R08	■	644ZXT10-1.5-R08	■
2.0	4	0.01	634ZXT10-2.0	■	644ZXT10-2.0	■
2.0	4	0.08	634ZXT10-2.0-R08	■	644ZXT10-2.0-R08	■
2.0	4	0.15	634ZXT10-2.0-R15	■	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	■



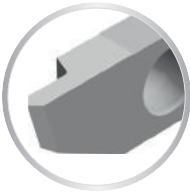
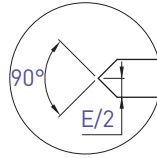
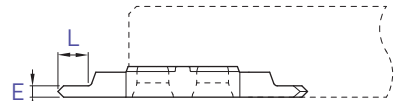
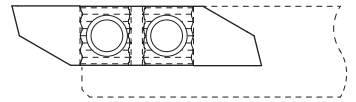
Arête de coupe honée
Gehonte Schneidkante
Honed edge

f min: 0.02 mm/U

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	■ ■

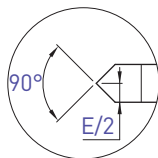
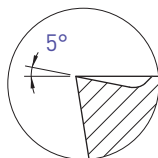
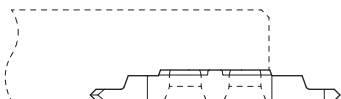
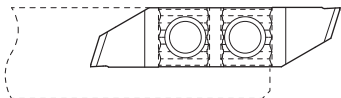
Chanfreinage

Anfasen

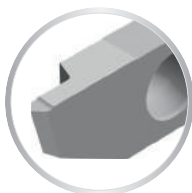
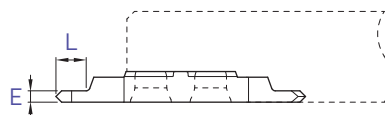
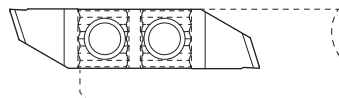
Chamfering

635X-90 / 645X-90

L



R



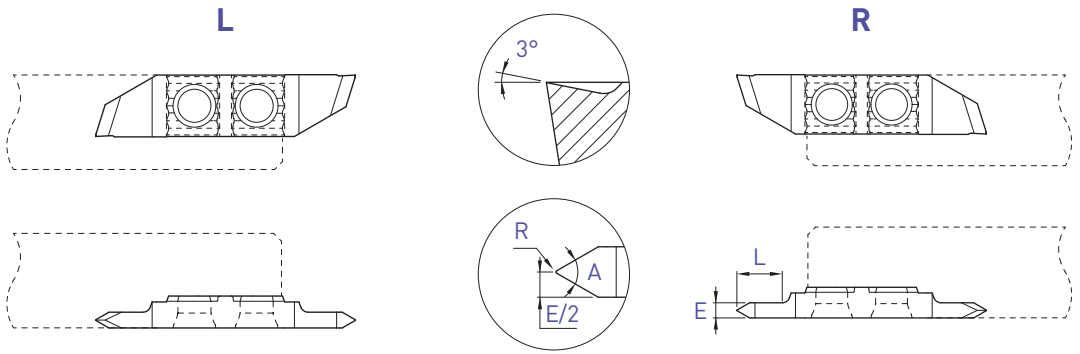
L



R



E	L	Art. N°	TiAlN N (µk<20)	Art. N°	TiAlN N (µk<20)
1.5	4	635X5-90-1.5	■ ■	645X5-90-1.5	■ ■



Profil partiel
Teilprofil
Partial profile



A	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	■ ■

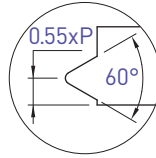
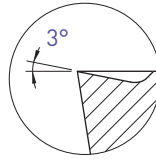
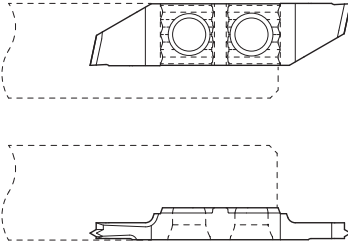
Filetage

Gewinde drehen

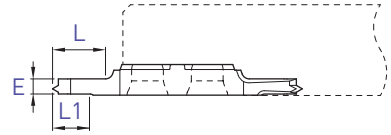
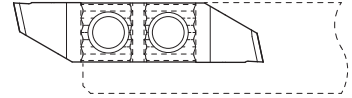
Threading

636X-M / 646X-M

L

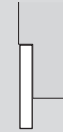


R



Profil complet métrique
Metrisches Vollprofil
Metric full profile

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	■ ■

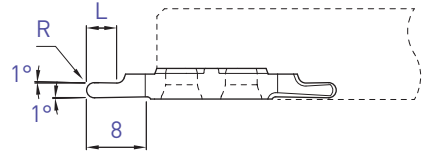
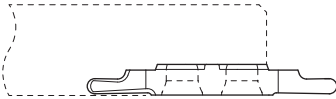
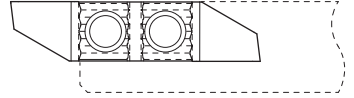
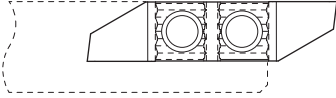
PRO-LINE

Plaquettes à rayon
 Radius Wendeplatten
 Radius inserts

637 / 647

L

R



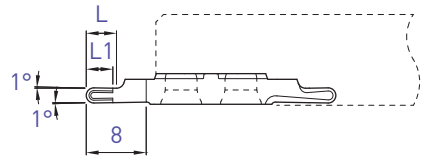
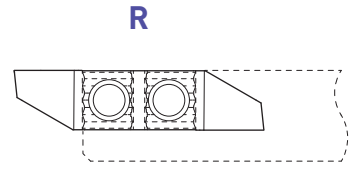
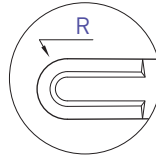
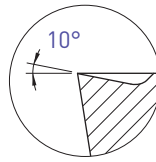
L

R

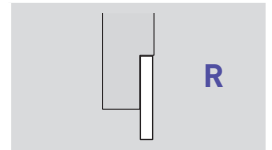
R	L	Art. N°	TiAlN N (µk20)	HTA HN (µk10)	Art. N°	TiAlN N (µk20)	HTA HN (µk10)
0.25	1.5	-			647-R0.25	■ ■	
0.4	2	-			647-R0.4	■ ■	
0.5	2.5	637-R0.5	■ ■		647-R0.5	■ ■ □ □	
0.6	2.5	-			647-R0.6	■ ■	
0.75	3	-			647-R0.75	■ ■	
0.8	3	-			647-R0.8	■ ■	
1.0	4	637-R1.0	■ ■		647-R1.0	■ ■	
1.5	6	-			647-R1.5	■ ■	

Plaquettes à rayon
 Radius Wendplatten
 Radius inserts

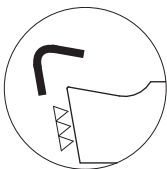
647ZX10



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

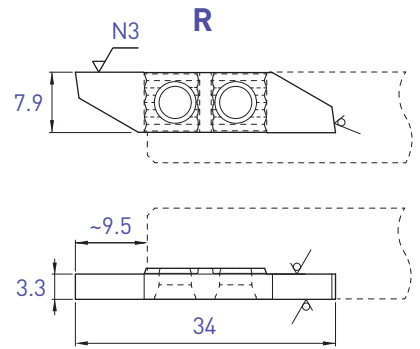
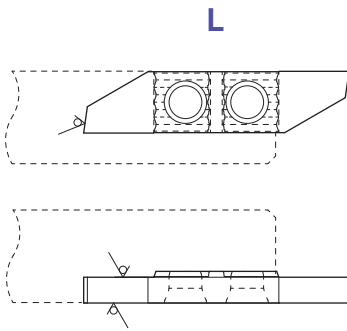


R	L	L1	Art. N°	TiAlN N (µk20)
1.0	4	3.5	647ZX10-R1.0	■
1.5	6	4	647ZX10-R1.5	■



Arête de coupe honée
 Gehonte Schneidkante
 Honed edge

f min: 0.02 mm/U



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)
631-EP	■ ■	■ ■	■ ■	641-EP	■ ■	■ ■	■ ■