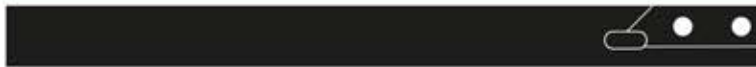


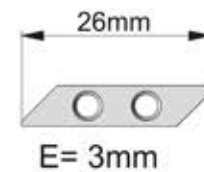
PORTE-PLAQUETTES KLEMMHALTER INSERTHOLDERS

PLAQUETTES PLÄTTCHEN INSERTS **L / R**

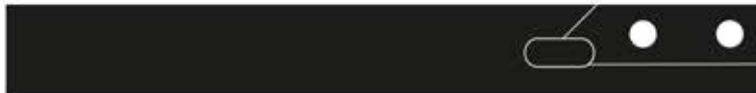


608L/R 7x7x150mm
609L/R 8x8x150mm
609 10L/R 10x10x150mm
609 12L/R 12x12x150mm
609 20L/R 20x20x150mm

627-V M2.5x7

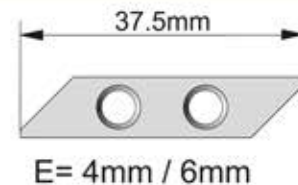


630

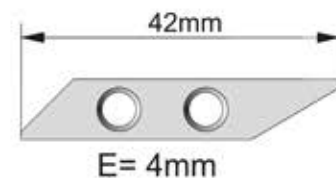


610 L/R 10x10x100mm
611 L/R 10x10x150mm
612 L/R 12x12x100mm
613 L/R 12x12x150mm
614 L/R 14x14x150mm
622 L/R 16x16x100/140mm
623 L/R 20x20x100/140mm

628-V M3.5x9



615

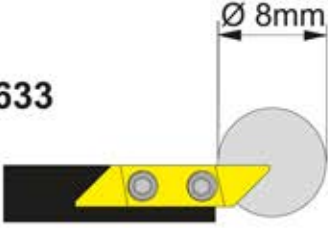


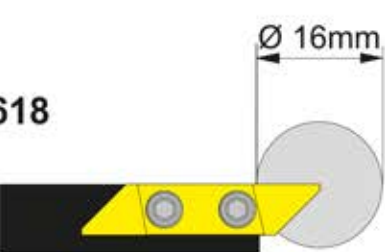


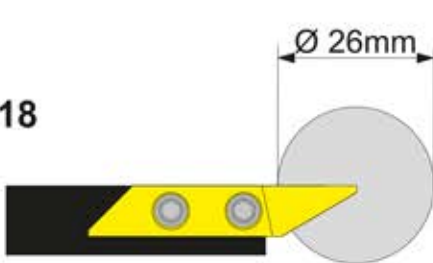




715

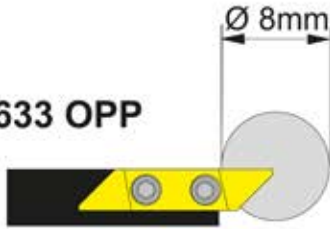
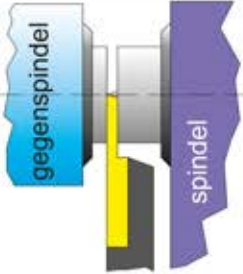
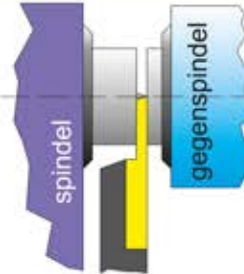
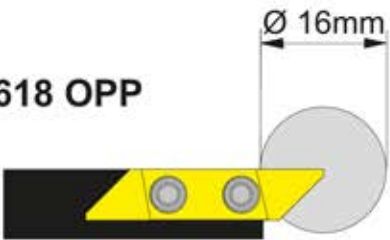
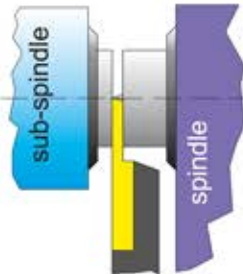
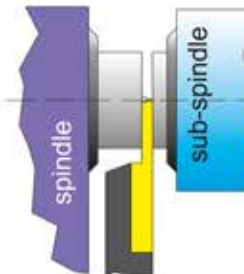
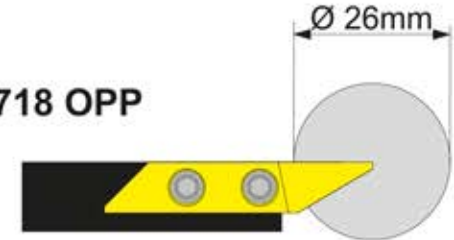
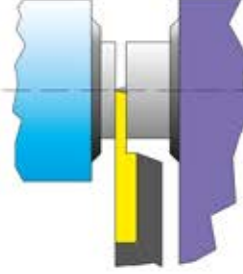
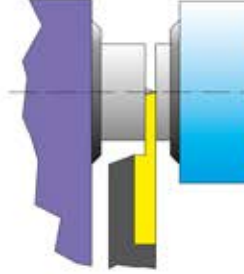
TRONCONNAGE ABSTECHEN CUT OFF

Type	Typ	Type	R	E [mm]	L
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Revêtement Beschichtung Coated

<p>633</p>  <p>Ø 8mm</p>	 <p>spindel</p>	<table border="1"> <tr> <td>E=</td> <td>0.8</td> <td>1.0</td> <td>1.2</td> <td>1.5</td> <td>1.8</td> <td>2.0</td> </tr> <tr> <td>~Ø=</td> <td>6</td> <td>6</td> <td>6</td> <td>8</td> <td>8</td> <td>8</td> </tr> </table> <p>Non revêtue TiN TiCN FUTURA</p>	E=	0.8	1.0	1.2	1.5	1.8	2.0	~Ø=	6	6	6	8	8	8	 <p>spindel</p> <p>630</p>								
E=	0.8	1.0	1.2	1.5	1.8	2.0																			
~Ø=	6	6	6	8	8	8																			
<p>618</p>  <p>Ø 16mm</p>	 <p>spindle</p>	<table border="1"> <tr> <td>E=</td> <td>0.8</td> <td>1.0</td> <td>1.2</td> <td>1.5</td> <td>1.8</td> </tr> <tr> <td>~Ø=</td> <td>10</td> <td>10</td> <td>10</td> <td>14</td> <td>14</td> </tr> </table> <table border="1"> <tr> <td>E=</td> <td>2.0</td> <td>2.2</td> <td>2.5</td> <td>3.0</td> </tr> <tr> <td>~Ø=</td> <td>16</td> <td>16</td> <td>16</td> <td>16</td> </tr> </table> <p>Non revêtue TiN TiCN FUTURA</p>	E=	0.8	1.0	1.2	1.5	1.8	~Ø=	10	10	10	14	14	E=	2.0	2.2	2.5	3.0	~Ø=	16	16	16	16	 <p>spindle</p> <p>615</p>
E=	0.8	1.0	1.2	1.5	1.8																				
~Ø=	10	10	10	14	14																				
E=	2.0	2.2	2.5	3.0																					
~Ø=	16	16	16	16																					
<p>718</p>  <p>Ø 26mm</p>		<table border="1"> <tr> <td>E=</td> <td>2.0</td> <td>2.5</td> <td>3.0</td> </tr> <tr> <td>~Ø=</td> <td>22</td> <td>26</td> <td>26</td> </tr> </table> <p>Non revêtue TiN TiCN FUTURA</p>	E=	2.0	2.5	3.0	~Ø=	22	26	26	 <p>715</p>														
E=	2.0	2.5	3.0																						
~Ø=	22	26	26																						

TRONCONNAGE ABSTECHEN CUT OFF "OPPOSEES"

Type	Typ	Type	R opp.	E [mm]	L opp.
				Revêtement Beschichtung Coated	
633 OPP			$E = \begin{array}{ c c c } \hline 1.0 & 1.5 & 2.0 \\ \hline \sim\text{Ø} = 6 & 8 & 8 \\ \hline \end{array}$ Non revêtue TiN TiCN FUTURA		630
618 OPP			$E = \begin{array}{ c c } \hline 1.5 & 2.0 \\ \hline \sim\text{Ø} = 14 & 16 \\ \hline \end{array}$ Non revêtue TiN TiCN FUTURA		615
718 OPP			$E = \begin{array}{ c c c } \hline 2.0 & 2.5 & 3.0 \\ \hline \sim\text{Ø} = 22 & 26 & 26 \\ \hline \end{array}$ Non revêtue TiN TiCN FUTURA		715

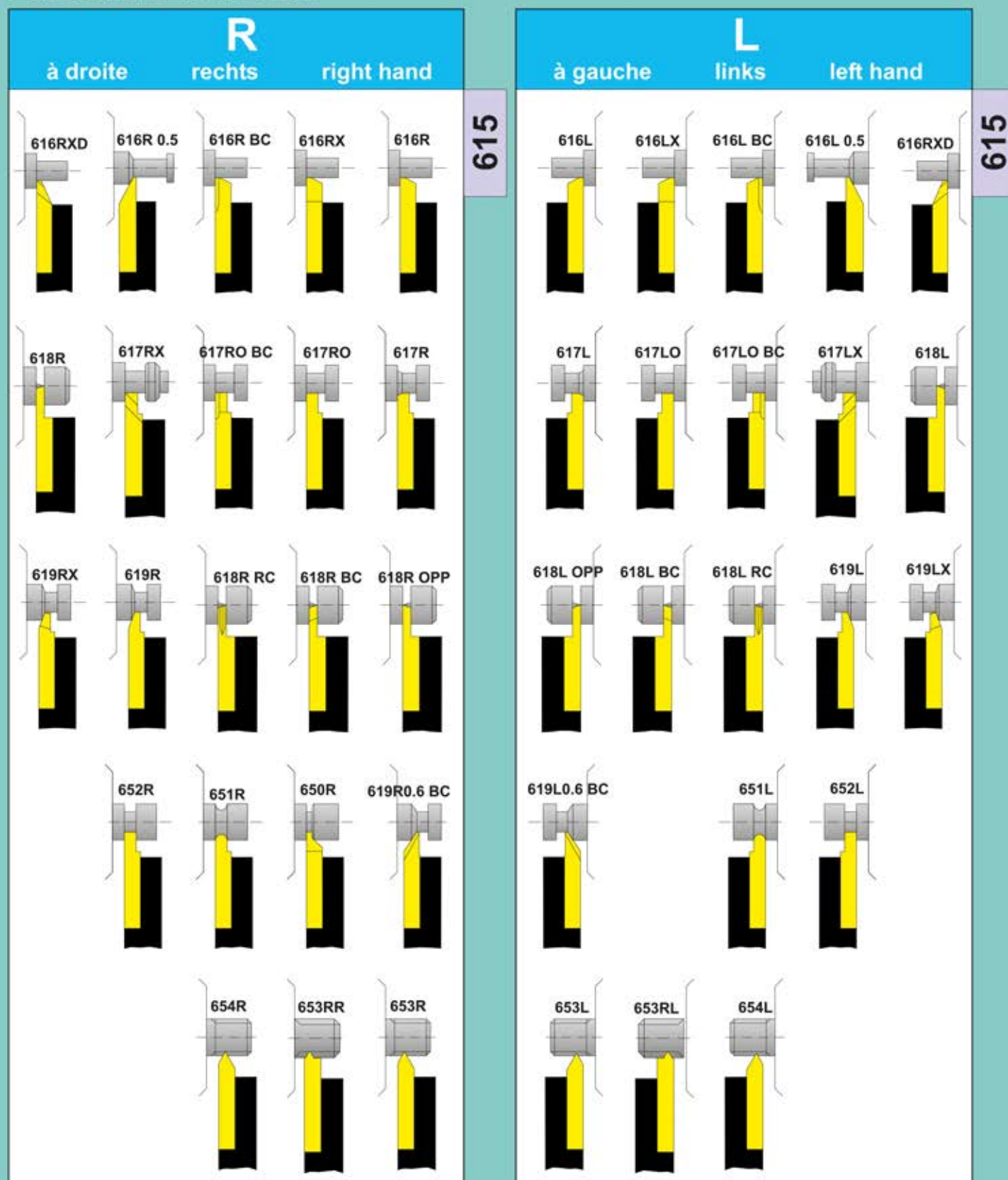
TRONCONNAGE BC et RC ABSTECHEN BC und RC CUT OFF BC and RC



Forme Form Form	Usage Anwendung Application	Type Typ Type	E X [mm]	Revêtement Beschichtung Coated
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		Tronçonnage	618L BC	<table border="1"> <tr> <td>E=</td> <td>1.5</td> <td>2.0</td> <td>2.5</td> </tr> <tr> <td>x=</td> <td>7</td> <td>8</td> <td>8</td> </tr> <tr> <td>α=</td> <td>18°</td> <td>12°</td> <td>12°</td> </tr> </table>	E=	1.5	2.0	2.5	x=	7	8	8	α=	18°	12°	12°	Non revêtue TiN TiCN FUTURA	615
		E=	1.5		2.0	2.5												
		x=	7		8	8												
α=	18°	12°	12°															
Abstechen	618R BC																	
Part off																		
		Tronçonnage	718L BC	<table border="1"> <tr> <td>E=</td> <td>2.5</td> <td>3.0</td> </tr> <tr> <td>x=</td> <td>13</td> <td>13</td> </tr> <tr> <td>α=</td> <td>12°</td> <td>12°</td> </tr> </table>	E=	2.5	3.0	x=	13	13	α=	12°	12°	Non revêtue TiN TiCN FUTURA	715			
		E=	2.5		3.0													
		x=	13		13													
α=	12°	12°																
Abstechen	718R BC																	
Part off																		
		Tronçonnage	618L RC	<table border="1"> <tr> <td>E=</td> <td>1.5</td> <td>2.0</td> <td>2.5</td> </tr> <tr> <td>x=</td> <td>7</td> <td>8</td> <td>8</td> </tr> <tr> <td>α=</td> <td>18°</td> <td>12°</td> <td>12°</td> </tr> </table>	E=	1.5	2.0	2.5	x=	7	8	8	α=	18°	12°	12°	Non revêtue TiN TiCN FUTURA	615
		E=	1.5		2.0	2.5												
		x=	7		8	8												
α=	18°	12°	12°															
Abstechen	618R RC																	
Part off																		
		Tronçonnage	718L RC	<table border="1"> <tr> <td>E=</td> <td>2.5</td> <td>3.0</td> </tr> <tr> <td>x=</td> <td>13</td> <td>13</td> </tr> <tr> <td>α=</td> <td>12°</td> <td>12°</td> </tr> </table>	E=	2.5	3.0	x=	13	13	α=	12°	12°	Non revêtue TiN TiCN FUTURA	715			
		E=	2.5		3.0													
		x=	13		13													
α=	12°	12°																
Abstechen	718R RC																	
Part off																		

PROGRAMME TYPE 615 PROGRAMM TYP 615 PROGRAM TYPE 615



PORTE-PLAQUETTES POUR TYPE 615
 KLEMMHALTER FÜR TYP 615
 INSERT HOLDERS FOR TYPE 615
 ∅ 10 - 12 - 14 - 16 - 20mm



Forme Form Form	Type Typ Type	∅ C [mm]	L [mm]
	610L/R	10 x 10	100
	611L/R	10 x 10	150
	612L/R	12 x 12	100
	613L/R	12 x 12	150
	614L/R	14 x 14	150
	622L/R	16 x 16	100 / 140
	623L/R	20 x 20	100 / 140

615

PLAQUETTE CARBURE TYPE 615 / Deux coupes et affûtables
 HARTMETALLPLATTEN TYP 615 / Beidseitig und nachschleifbar
 CARBIDE INSERTS TYPE 615 / Double ended and regrindable
 ∅ 10 - 12 - 14 - 16 - 20mm



Forme Form Form	Usage Anwendung Application	Type Typ Type	E [mm]	Revêtement Beschichtung Coated
	Tournage avant Drehen vorne Front turn	616L 616R	E=4	Non revêtue TiN TiCN FUTURA
	Tournage avant Drehen vorne Front turn	616LX 616RX	E=4	Non revêtue TiN TiCN FUTURA
	Tournage avant Drehen vorne Front turn	616L BC 616R BC	E=4	Non revêtue TiN TiCN FUTURA

615

PLAQUETTE CARBURE TYPE 615 / Deux coupes et affûtables
 HARTMETALLPLATTEN TYP 615 / Beidseitig und nachschleifbar
 CARBIDE INSERTS TYPE 615 / Double ended and regrindable
 ∅ 10 - 12 - 14 - 16 - 20mm



Forme Form Form	Usage Anwendung Application	Type Typ Type	E X [mm]	Revêtement Beschichtung Coated
	Tournage avant Drehen vorne Front turn	616L 0.5 616R 0.5	E=0.5	Non revêtue TiN TiCN FUTURA
	Tournage avant Drehen vorne Front turn	616LXD 616RXD		Non revêtue TiN TiCN FUTURA
	Tournage arrière finition Feindreihen hinten Finisch back turn	617L 617R	$\begin{array}{c} E= 1.5 \ 1.8 \ 2.0 \ 2.2 \\ X= 4 \ 4 \ 5 \ 5 \\ \\ E= 2.5 \ 2.8 \ 3.0 \\ X= 7 \ 7 \ 7 \end{array}$	Non revêtue TiN TiCN FUTURA
	Tournage arrière finition Feindreihen hinten Finisch back turn	617LO 617RO	$\begin{array}{c} E= 1.0 \ 1.5 \ 2.0 \ 2.5 \ 3.0 \\ X= 2 \ 3 \ 4 \ 5 \ 6 \end{array}$	Non revêtue TiN TiCN FUTURA
	Tournage arrière Drehen hinten Back turn	617LO BC 617RO BC	$\begin{array}{c} E= 2.5 \\ X= 6 \end{array}$	Non revêtue TiN TiCN FUTURA
	Chariotage fonçage d'une gorge et tournage arrière avec coupe. Drehung hinten mit Schnitt und Stechen einer Nut. Groove and turn with top rake and chip roller.	617LX 617RX	$\begin{array}{c} E= 0.8 \ 1.0 \ 1.5 \\ X= 2 \ 2 \ 3 \\ \\ E= 2.0 \ 2.5 \ 3.0 \\ X= 4 \ 5 \ 5 \end{array}$	Non revêtue TiN TiCN FUTURA

615

PLAQUETTE CARBURE TYPE 615 / Deux coupes et affûtables
 HARTMETALLPLATTEN TYP 615 / Beidseitig und nachschleifbar
 CARBIDE INSERTS TYPE 615 / Double ended and regrindable
 ∅ 10 - 12 - 14 - 16 - 20mm



Forme Form Form	Usage Anwendung Application	Type Typ Type	E X [mm]	Revêtement Beschichtung Coated																																	
	Tronçonnage Abstechen Part off	618L 618R	<table border="1"> <tr> <td>E=</td> <td>0.8</td> <td>1.0</td> <td>1.2</td> <td>1.5</td> <td>1.8</td> </tr> <tr> <td>X=</td> <td>5</td> <td>5</td> <td>5</td> <td>7</td> <td>7</td> </tr> <tr> <td>α=</td> <td>18°</td> <td>18°</td> <td>18°</td> <td>18°</td> <td>18°</td> </tr> </table> <table border="1"> <tr> <td>E=</td> <td>2.0</td> <td>2.2</td> <td>2.5</td> <td>3.0</td> </tr> <tr> <td>X=</td> <td>8</td> <td>8</td> <td>8</td> <td>8</td> </tr> <tr> <td>α=</td> <td>12°</td> <td>12°</td> <td>12°</td> <td>12°</td> </tr> </table>	E=	0.8	1.0	1.2	1.5	1.8	X=	5	5	5	7	7	α=	18°	18°	18°	18°	18°	E=	2.0	2.2	2.5	3.0	X=	8	8	8	8	α=	12°	12°	12°	12°	Non revêtue TiN TiCN FUTURA
E=	0.8	1.0	1.2	1.5	1.8																																
X=	5	5	5	7	7																																
α=	18°	18°	18°	18°	18°																																
E=	2.0	2.2	2.5	3.0																																	
X=	8	8	8	8																																	
α=	12°	12°	12°	12°																																	
	Tronçonnage Abstechen Part off	618L OPP 618R OPP	<table border="1"> <tr> <td>E=</td> <td>1.5</td> <td>2.0</td> </tr> <tr> <td>X=</td> <td>7</td> <td>8</td> </tr> <tr> <td>α=</td> <td>18°</td> <td>18°</td> </tr> </table>	E=	1.5	2.0	X=	7	8	α=	18°	18°	Non revêtue TiN TiCN FUTURA																								
E=	1.5	2.0																																			
X=	7	8																																			
α=	18°	18°																																			
	Tronçonnage Abstechen Part off	618L BC 618R BC	<table border="1"> <tr> <td>E=</td> <td>1.5</td> <td>2.0</td> <td>2.5</td> </tr> <tr> <td>X=</td> <td>7</td> <td>8</td> <td>8</td> </tr> <tr> <td>α=</td> <td>18°</td> <td>12°</td> <td>12°</td> </tr> </table>	E=	1.5	2.0	2.5	X=	7	8	8	α=	18°	12°	12°	Non revêtue TiN TiCN FUTURA																					
E=	1.5	2.0	2.5																																		
X=	7	8	8																																		
α=	18°	12°	12°																																		
	Tronçonnage Abstechen Part off	618L RC 618R RC	<table border="1"> <tr> <td>E=</td> <td>1.5</td> <td>2.0</td> <td>2.5</td> </tr> <tr> <td>X=</td> <td>7</td> <td>8</td> <td>8</td> </tr> <tr> <td>α=</td> <td>18°</td> <td>12°</td> <td>12°</td> </tr> </table>	E=	1.5	2.0	2.5	X=	7	8	8	α=	18°	12°	12°	Non revêtue TiN TiCN FUTURA																					
E=	1.5	2.0	2.5																																		
X=	7	8	8																																		
α=	18°	12°	12°																																		
	Tournage arrière ébauche Vordrehen hinten Rough back turn	619L 619R	 Détail A	Non revêtue TiN TiCN FUTURA																																	
	Tournage arrière ébauche avec coupe Vordrehen hinten mit Spanleitstufe Rough back turn with top rake	619LX 619RX	 Détail A	Non revêtue TiN TiCN FUTURA																																	

615

PLAQUETTE CARBURE TYPE 615 / Deux coupes et affûtables
 HARTMETALLPLATTEN TYP 615 / Beidseitig und nachschleifbar
 CARBIDE INSERTS TYPE 615 / Double ended and regrindable
 ∅ 10 - 12 - 14 - 16 - 20mm



Forme Form Form	Usage Anwendung Application	Type Typ Type	E R [mm]	Revêtement Beschichtung Coated
	Tournage arrière Drehen hinten Back turn	619L0.6 BC 619R0.6 BC	E=0.6	Non revêtue TiN TiCN FUTURA
	Pré-coupeur pour multibroches Vorschneider für Mehrspindelautomat Pre part off for multispindles	650R	E=1.4 - 1.6 - 1.8	Non revêtue TiN TiCN FUTURA
	Rayon Radius Radius	651L 651R	$\begin{array}{c c c c} R= & 0.5 & 0.75 & 1.0 \\ X= & 2 & 3 & 4 \end{array}$ $\begin{array}{c c c c} R= & 1.25 & 1.5 & 2.0 \\ X= & 5 & 6 & 6 \end{array}$	Non revêtue TiN TiCN FUTURA
	Gorge Präzisions-Einstich Groove	652L 652R	$\begin{array}{c c c c} E= & 0.8 & 1.0 & 1.5 & 2.0 \\ X= & 2 & 2 & 3 & 4 \end{array}$	Non revêtue TiN TiCN FUTURA
	Filetage (autres profils sur demande) Gewinde (andere Profile auf Anfrage) Threading (other profiles on demand)	653L 653R	60° Métrique ISO Metrisch ISO Metric ISO	Non revêtue TiN TiCN FUTURA
	Filetage complet (autres profils sur demande) Gesamt Gewinde (andere Profile auf Anfrage) Full Threading (other profiles on demand)	653RL 653RR	60° Métrique Metrisch Metric Pas Steigung Pitch 0.25-0.30-0.35-0.40-0.45- 0.50-0.60-0.70-0.75-0.80- 1.00-1.25-1.50-1.75	Non revêtue TiN TiCN FUTURA

615

PRECITOOL SA

56, rue de Soleure

CH 2740 MOUTIER

Fabricant d'outillage carbure depuis 1969

Vollhartmetallwerkzeug - Hersteller seit 1969

Manufacturer carbide cutting tools since 1969

PLAQUETTE CARBURE TYPE 615 / Deux coupes et affûtables
 HARTMETALLPLATTEN TYP 615 / Beidseitig und nachschleifbar
 CARBURE INSERTS TYPE 615 / Double ended and regrindable
 ∅ 10 - 12 - 14 - 16 - 20mm



Forme Form Form	Usage Anwendung Application	Type Typ Type	E [mm]	Revêtement Beschichtung Coated
	Filetage (autres profils sur demande) Gewinde (andere Profile auf Anfrage) Threading (other profiles on demand)	654L 654R	55° Whitworth W	Non revêtue TiN TiCN FUTURA

615

PLAQUETTES DE FORME
 FORMPLATTEN
 FORM INSERTS

Forme Form Form	Caractéristiques Kennzeichnungen Characteristics	Revêtement Beschichtung Coated
	615: E = 4 - 6 mm 630: E = 3mm Réalisation de plaquettes spéciales selon dessin. Formplatten nach Zeichnung. Special form inserts to drawing.	Non revêtue TiN TiCN FUTURA

630

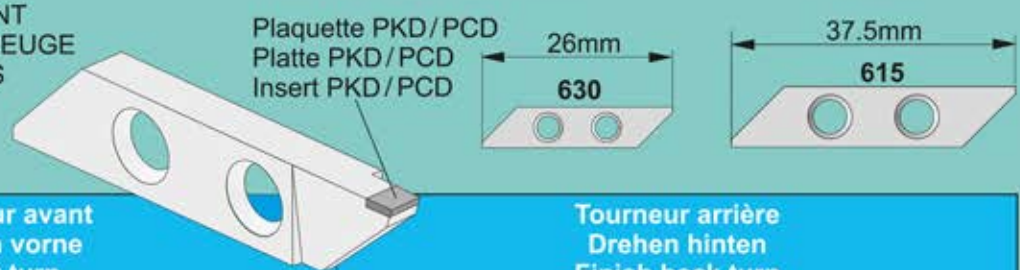
615

OUTILS DE COUPE DIAMANT
 DIAMANT-SCHNEIDWERKZEUGE
 DIAMOND CUTTING TOOLS

Dimensions en [mm]

Masse in [mm]

Dimension in [mm]

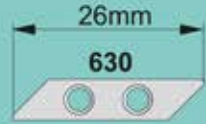


Tourneur avant Drehen vorne Front turn		Tourneur arrière Drehen hinten Finish back turn	
Autres profils sur demande		Andere Profile auf Anfrage	
Other profiles on demand		Other profiles on demand	
631L PKD/PCD 631R PKD/PCD	616L PKD/PCD 616R PKD/PCD	632L PKD/PCD 632R PKD/PCD	617L PKD/PCD 617R PKD/PCD

630

615

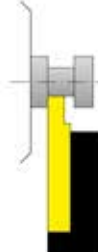
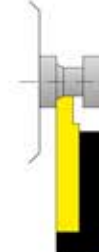

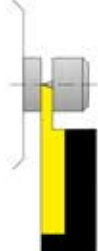

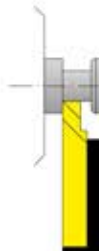
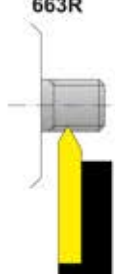
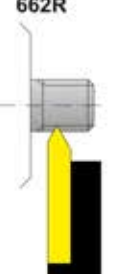
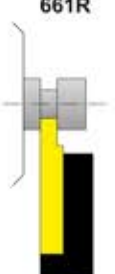
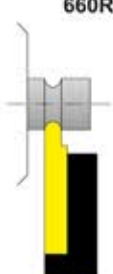
PROGRAMME TYPE 630 PROGRAMM TYP 630 INSERT PROGRAM TYPE 630



R

à droite rechts right hand



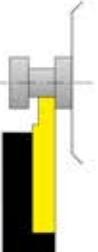



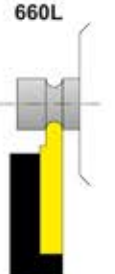
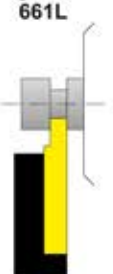
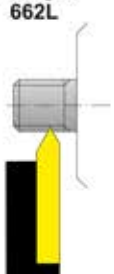
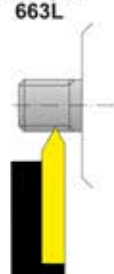
630

<p>touneur arrière drehen hinten back turning 632RO</p> 	<p>touneur arrière drehen hinten back turning 632R</p> 	<p>touneur avant drehen vorne front turning 631R</p> 	
<p>coupeur abstechen part off 633R OPP</p> 	<p>coupeur abstechen part off 633R</p> 	<p>touneur avant et arrière drehen vorne und hinten front or back turning 632RX</p> 	
<p>filetage 55° gewinde 55° threading 55° 663R</p> 	<p>Filetage 60° gewinde 60° threading 60° 662R</p> 	<p>gorge präzisions-einstich groove 661R</p> 	<p>rayon radius radius 660R</p> 

L

à gauche links left hand

630

<p>touneur avant drehen vorne front turning 631L</p> 	<p>touneur arrière drehen hinten back turning 632L</p> 	<p>touneur arrière drehen hinten back turning 632LO</p> 	
<p>touneur avant et arrière drehen vorne und hinten front or back turning 632LX</p> 	<p>coupeur abstechen part off 633L</p> 	<p>coupeur abstechen part off 633L OPP</p> 	
<p>rayon radius radius 660L</p> 	<p>gorge präzisions-einstich groove 661L</p> 	<p>filetage 60° gewinde 60° threading 60° 662L</p> 	<p>filetage 55° gewinde 55° threading 55° 663L</p> 

PORTE-PLAQUETTES POUR TYPE 630

KLEMMHALTER FÜR TYP 630

INSERT HOLDERS FOR TYP 630

∅ 7 - 8 - 10 - 12 - 20mm



Forme Form Form	Type Typ Type	∅ C [mm]	L [mm]
	608L/R	7 x 7	150
	609L/R	8 x 8	150
	609 10L/R	10 x 10	150
	609 12L/R	12 x 12	150
	609 20L/R	20 x 20	100

630

PLAQUETTE CARBURE TYPE 630 / Deux coupes et affûtables
 HARTMETALLPLATTEN TYP 630 / Beidseitig und nachschleifbar
 CARBIDE INSERTS TYPE 630 / Double ended and regrindable
 ∅ 7 - 8 - 10 - 12 - 20mm



Forme Form Form	Usage Anwendung Application	Type Typ Type	E X [mm]	Revêtement Beschichtung Coated																		
	Tournage avant Drehen vorne Front turn	631L 631R	E=3	Non revêtue TiN TiCN FUTURA																		
		Tournage arrière Drehen hinten Back turn	632L 632R	<table border="1"> <tr> <td>E=</td> <td>1.0</td> <td>1.2</td> <td>1.5</td> <td>1.8</td> </tr> <tr> <td>X=</td> <td>3</td> <td>3</td> <td>4</td> <td>4</td> </tr> </table> <table border="1"> <tr> <td>E=</td> <td>2.0</td> <td>2.2</td> <td>2.5</td> </tr> <tr> <td>X=</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table>	E=	1.0	1.2	1.5	1.8	X=	3	3	4	4	E=	2.0	2.2	2.5	X=	4	4	4
E=		1.0	1.2	1.5	1.8																	
X=	3	3	4	4																		
E=	2.0	2.2	2.5																			
X=	4	4	4																			
	Tournage arrière Drehen hinten Back turn	632LO 632RO	<table border="1"> <tr> <td>E=</td> <td>1.0</td> <td>1.5</td> <td>2.0</td> <td>2.5</td> </tr> <tr> <td>X=</td> <td>3</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table>	E=	1.0	1.5	2.0	2.5	X=	3	4	4	4	Non revêtue TiN TiCN FUTURA								
	E=	1.0	1.5	2.0	2.5																	
X=	3	4	4	4																		
	Tournage arrière Drehen hinten Back turn	632LX 632RX	<table border="1"> <tr> <td>E=</td> <td>1.0</td> <td>1.2</td> <td>1.5</td> </tr> <tr> <td>X=</td> <td>2</td> <td>3</td> <td>3</td> </tr> </table> <table border="1"> <tr> <td>E=</td> <td>2.0</td> <td>2.2</td> <td>2.5</td> </tr> <tr> <td>X=</td> <td>4</td> <td>5</td> <td>5</td> </tr> </table>	E=	1.0	1.2	1.5	X=	2	3	3	E=	2.0	2.2	2.5	X=	4	5	5	Non revêtue TiN TiCN FUTURA		
	E=	1.0	1.2	1.5																		
X=	2	3	3																			
E=	2.0	2.2	2.5																			
X=	4	5	5																			

630

PLAQUETTE CARBURE TYPE 630 / Deux coupes et affûtables
 HARTMETALLPLATTEN TYP 630 / Beidseitig und nachschleifbar
 CARBIDE INSERTS TYPE 630 / Double ended and regrindable
 ∅ 7 - 8 - 10 - 12 - 20mm



Forme Form Form	Usage Anwendung Application	Type Typ Type	E R X [mm]	Revêtement Beschichtung Coated																					
	Tronçonnage Abstechen Part off	633L 633R	<table border="1"> <tr> <td>E=</td> <td>0.8</td> <td>1.0</td> <td>1.2</td> <td>1.5</td> <td>1.8</td> <td>2.0</td> </tr> <tr> <td>X=</td> <td>3</td> <td>3</td> <td>3</td> <td>4</td> <td>4</td> <td>4</td> </tr> <tr> <td>α=</td> <td>18°</td> <td>18°</td> <td>18°</td> <td>18°</td> <td>18°</td> <td>18°</td> </tr> </table>	E=	0.8	1.0	1.2	1.5	1.8	2.0	X=	3	3	3	4	4	4	α=	18°	18°	18°	18°	18°	18°	Non revêtue TiN TiCN FUTURA
	E=	0.8	1.0	1.2	1.5	1.8	2.0																		
X=	3	3	3	4	4	4																			
α=	18°	18°	18°	18°	18°	18°																			
	Tronçonnage Abstechen Part off	633L OPP 633R OPP	<table border="1"> <tr> <td>E=</td> <td>1.0</td> <td>1.5</td> <td>2.0</td> </tr> <tr> <td>X=</td> <td>3</td> <td>4</td> <td>4</td> </tr> <tr> <td>α=</td> <td>18°</td> <td>18°</td> <td>18°</td> </tr> </table>	E=	1.0	1.5	2.0	X=	3	4	4	α=	18°	18°	18°	Non revêtue TiN TiCN FUTURA									
	E=	1.0	1.5	2.0																					
X=	3	4	4																						
α=	18°	18°	18°																						
	Rayon Radius Radius	660L 660R	<table border="1"> <tr> <td>R=</td> <td>0.25</td> <td>0.5</td> <td>0.75</td> </tr> <tr> <td>X=</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>R=</td> <td>1.0</td> <td>1.25</td> <td>1.5</td> </tr> <tr> <td>X=</td> <td>4</td> <td>4</td> <td>5</td> </tr> </table>	R=	0.25	0.5	0.75	X=	1	2	3	R=	1.0	1.25	1.5	X=	4	4	5	Non revêtue TiN TiCN FUTURA					
	R=	0.25	0.5	0.75																					
X=	1	2	3																						
R=	1.0	1.25	1.5																						
X=	4	4	5																						
	Gorge Präzisions-Einstich Groove	661L 661R	<table border="1"> <tr> <td>E=</td> <td>0.5-0.6-0.8-1-1.2-1.4-1.5-1.8-2</td> </tr> <tr> <td>X=(2 x E)</td> <td></td> </tr> </table> Sur demande Auf Anfrage On demand	E=	0.5-0.6-0.8-1-1.2-1.4-1.5-1.8-2	X=(2 x E)		Non revêtue TiN TiCN FUTURA																	
	E=	0.5-0.6-0.8-1-1.2-1.4-1.5-1.8-2																							
X=(2 x E)																									
	Filetage (autres profils sur demande) Gewinde (andere Profile auf Anfrage) Threading (other profiles on demand)	662L 662R	60° Métrique ISO Metrisch ISO Metric ISO	Non revêtue TiN TiCN FUTURA																					
		Filetage (autres profils sur demande) Gewinde (andere Profile auf Anfrage) Threading (other profiles on demand)	663L 663R	55° Whitworth W	Non revêtue TiN TiCN FUTURA																				

630

PRECITOOL SA

56, rue de Soleure

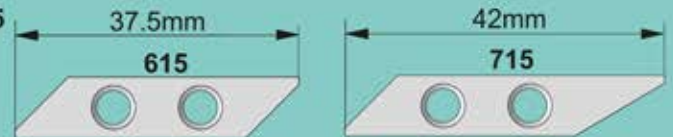
CH 2740 MOUTIER

Fabricant d'outillage carbure depuis 1969

Vollhartmetallwerkzeug - Hersteller seit 1969

Manufacturer carbide cutting tools since 1969

PORTE-PLAQUETTES "TYPE F" POUR TYPE 615 ET 715
 KLEMMHALTER "TYP F" FÜR TYP 615 UND 715
 INSERT HOLDERS "TYPE F" FOR TYPE 615 AND 715
 ∅ 10 - 12 - 14 - 16 - 20mm



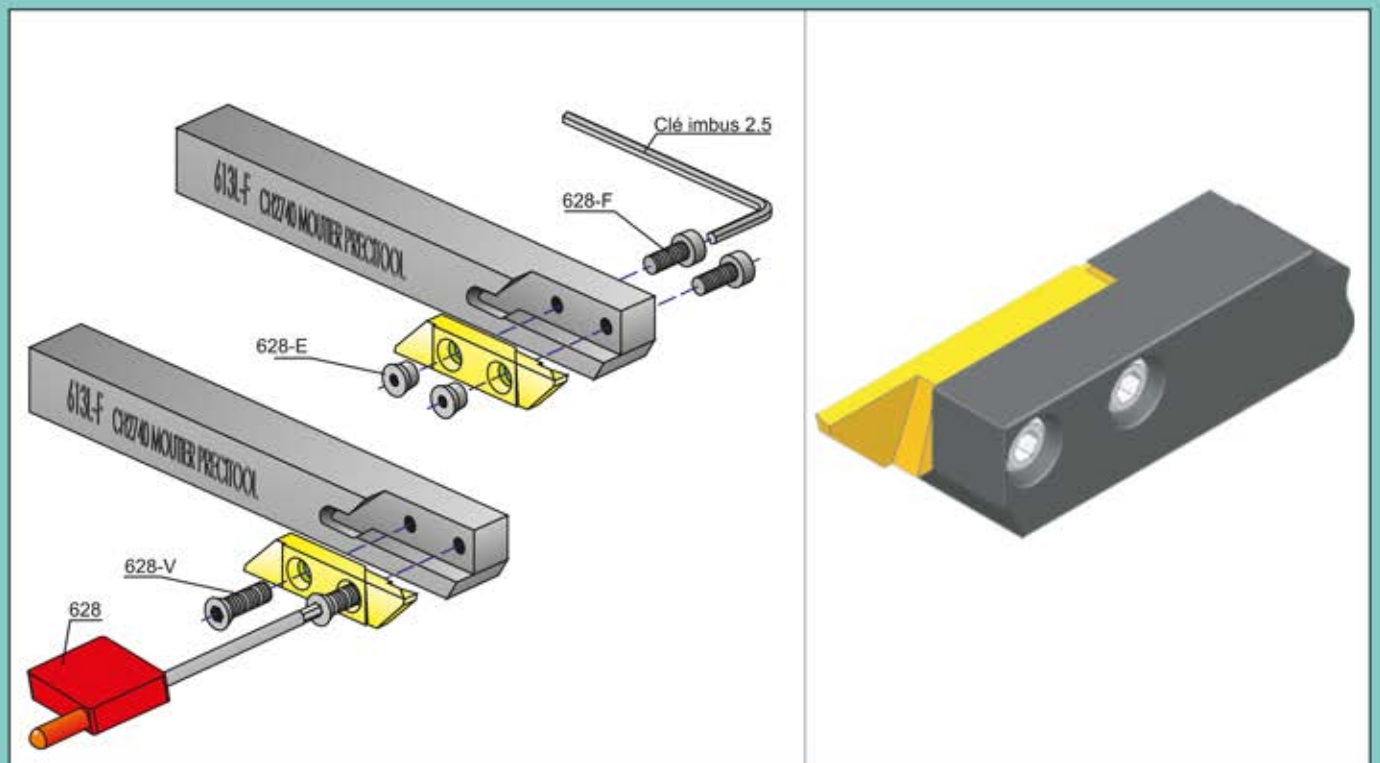
Forme Form Form	Type Typ Type	∅ C [mm]	L [mm]
	610L-F / 610R-F	10 x 10	100
	611L-F / 611R-F	10 x 10	150
	612L-F / 612R-F	12 x 12	100
	613L-F / 613R-F	12 x 12	150
	614L-F / 614R-F	14 x 14	150
	622L-F / 622R-F	16 x 16	100 / 140
	623L-F / 623R-F	20 x 20	100 / 140

615
715

Plaquette interchangeable sans enlever le porte-plaquette de la machine. Les insets **628-E** se monte par pression.









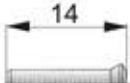
Auswechseln der Wendepplatten an der Maschine ohne Entfernung des Halters. Die Stifte **628-E** montieren sich mit leichtem Druck.

Interchangeable inserts without removing the tool holder from the machine. When changing inserts do not over the screw **628-E**.



FOURNITURES ERSATZTEILE ITEMS



Forme Form Form	Usage Anwendung Application	Type Typ Type	Caractéristiques Kennzeichnungen Characteristics
	Porte-plaquette Klemmhalter Insert holders 507; 508; 510; 512; 514; 520; 608; 609 L/R; 775 Fraise à polygone Polygonfräser Polygon tooling 669; 673; 674; 675-1; 683; 684-1; 684-2; 684-3; 684-4; 685-3; 685-4; 690; 691; 692-3; 692-4; 693; 700R; 700L; 701; 702; 703	627	T8
	Porte-plaquette Klemmhalter Insert holders 507; 508; 510; 512; 514; 520; 608; 609 L/R Fraise à polygone Polygonfräser Polygon tooling 684; 775	627-V	M2.5x7 / T8
	Fraise à polygone Polygonfräser Polygon tooling 669; 673; 674; 675-1; 683; 684; 684-1; 684-2; 684-3; 684-4; 685-3; 685-4; 690; 691; 692-3; 692-4; 693; 700R; 700L; 701; 702; 703	627-P	M3x7 / T8
	Pour plaquette 671-5 Für Platte 671-5 For Insert 671-5 E=5mm	627-PP	M3x9 / T8
	Porte-plaquette Klemmhalter Insert holders 610; 611; 612; 613; 614; 622; 623; 781R; 782R; 800; 801; 802 L/R; 776 Fraise à polygone Polygonfräser Polygon tooling 694; 685-P7	628	T15
	Pour plaquette type 615 Für Platte Typ 615 For Insert Type 615	628-E	M3
	Porte-plaquette Klemmhalter Insert holders 610-F; 611-F; 612-F; 613-F; 614-F; 622-F; 623-F L/R	628-F	M3x8
	Porte-plaquette Klemmhalter Insert holders 610; 611; 612; 613; 614; 622; 623; 776; 781R; 782R; 800; 801; 802 L/R Fraise à polygone Polygonfräser Polygon tooling 694; 685-P7	628-V	M3.5x9 / T15
	Pour plaquette 615-6 Für Platte 615-6 For Insert 615-6 E=6mm	628-VV	M3.5x14 / T15

PARAMÈTRES DE COUPE INDICATIFS POUR PROGRAMME DECO EMPFOHLENE SCHNITTWERTE FÜR DECO PROGRAMM STANDARD MACHINING DATA FOR PROGRAM DECO

		Tournage <i>Drehen</i> Turning									Tronçonnage <i>Abstechen</i> Cut off	
		ébauche <i>schruppen</i> roughing			semi finition <i>vorbearbeiten</i> semi finished			finition <i>schlichten</i> finishing			E=0.50-2.0 >4.0	
Matériaux Werkstoffe Materials		HB	Revêt.	Prof. de passe <5.0 <i>Schnitttiefe</i> Depth of cut		Prof. de passe <2.0 <i>Schnitttiefe</i> Depth of cut		Prof. de passe <1.0 <i>Schnitttiefe</i> Depth of cut		VC:m/min F: mm/t		
				VC:m/min	F:mm/t	VC:m/min	F:mm/t	VC:m/min	F:mm/t	VC:m/min	F: mm/t	
Acier décollet. <i>Automatenstahl</i> Free-cutting steel	~500	TIN		70-150	0,08-0,20	70-150	0.10-0.20	80-180	0.05-0.15	70-120	0.01-0.05 >0.10	
	~500	TICN		100-170	0.10-0.25	100-170	0.08-0.15	100-200	0.07-0.15	70-130	0.01-0.05 >0.10	
	~500	Futura		100-180	0.10-0.30	120-200	0.08-0.15	120-220	0.10-0.15	70-140	0.01-0.05 >0.10	
* Acier non-allié												
Acier N/mm2	~750	TIN		50-100	0.05-0.25	50-100	0.03-0.20	50-100	.005-0.10	60-100	0.01-0.05 >0.10	
* Acier faibl.allié	~750	TICN		50-100	0.05-0.25	60-110	0.03-0.20	60-110	.005-0.10	60-100	0.01-0.05 >0.10	
	~750	Futura		50-100	0.05-0.25	70-120	0.03-0.20	70-120	.005-0.10	60-100	0.01-0.05 >0.10	
Acier N/mm2	~1000	TIN		40-80	0.05-0.15	50-100	0.03-0.10	50-100	.005-0.07	40-80	0.01-0.03 >0.06	
* Acier fort.allié	~1000	TICN		40-80	0.05-0.15	50-100	0.03-0.10	50-100	.005-0.07	40-80	0.01-0.03 >0.06	
		Futura		40-80	0.05-0.15	50-100	0.03-0.10	50-100	.005-0.07	40-80	0.01-0.03 >0.06	
Acier INOX <i>Rostfreier Stahl</i> Stainless steel	~750	TIN		50-100	0.05-0.15	50-120	0.03-0.10	50-120	.005-0.06	40-80	0.01-0.04 >0.08	
	~750	TICN		60-110	0.05-0.15	60-120	0.03-0.10	60-120	.005-0.07	40-80	0.01-0.04 >0.08	
	~750	Futura		60-120	0.05-0.15	60-130	0.03-0.10	60-130	.005-0.07	40-80	0.01-0.04 >0.08	
Titane <i>Titan</i> Titanium	~750	Futura		30-70	0.05-0.15	30-70	0.03-0.08	30-80	.005-0.07	40-80	0.01-0.03 >0.06	
Laiton * Cuivre Bronze	~500	TIN		80-400	0.05-0.40	80-450	0.05-0.45	80-500	0.02-0.25	40-80	0.01-0.10 >0.20	
	~500	TICN		100-400	0.05-0.40	100-450	0.05-0.45	100-500	0.02-0.25	40-80	0.01-0.10 >0.20	
	~500	Futura		100-400	0.05-0.40	100-450	0.05-0.45	100-500	0.02-0.25	40-80	0.01-0.10 >0.20	
Aluminium Alu Si <12%		TIN		150-1000	0.01-0.25	150-1200	0.01-0.25	150-1200	0.01-0.25	150-350	0.01-0.10 >0.20	
		TICN		150-1000	0.01-0.25	150-1200	0.01-0.25	150-1200	0.01-0.25	150-350	0.01-0.10 >0.20	
		Futura		150-1000	0.01-0.25	150-1200	0.01-0.25	150-1200	0.01-0.25	150-350	0.01-0.10 >0.20	
Aluminium Alu Si >12%		TIN		100-800	.005-0.20	120-1000	.005-0.20	120-1000	.005-0.20	120-300	0.01-0.10 >0.20	
		TICN		100-800	.005-0.20	120-1000	.005-0.20	120-1000	.005-0.20	120-300	0.01-0.10 >0.20	
		Futura		100-800	.005-0.20	120-1000	.005-0.20	120-1000	.005-0.20	120-300	0.01-0.10 >0.20	
OR - Argent <i>Gold - Silber</i> Gold - silver		TIN		50-100	0.02-0.12	50-120	0.02-0.10	50-120	0.02-0.08	40-100	0.01-0.03 >0.07	
		TICN		50-110	0.02-0.12	50-130	0.02-0.10	50-130	0.02-0.08	50-110	0.01-0.03 >0.07	
		Futura		50-120	0.02-0.12	50-140	0.02-0.10	50-140	0.02-0.08	50-120	0.01-0.03 >0.07	

Valeurs indicatives: à interpréter selon caractéristiques de la machine, serrages de la matière et porte-outils, fluide d'arrosage, etc...

Richtwerte: Nach Eigenschaften der Maschine zu interpretieren; Festklemmen von Material und Werkzeughalter; Kühlflüssigkeit; usw...

Approximate values: Depending on the machine characteristics; Material and tool clamping device; Cooling liquid; etc...

*Acier / Stahl / Steel Cuivre / Kupfer / Copper Laiton / Messing / brass

PRECITool SA

www.precitool.ch

CH-2740 Moutier

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Fabricant d'outillage carbure depuis 1969
Vollhartmetallwerkzeug - Hersteller seit 1969
Manufacturer carbide cutting tools since 1969

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CH-2740 Moutier

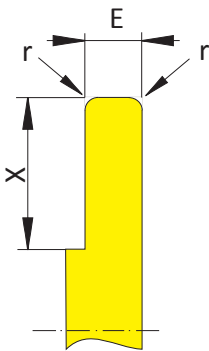
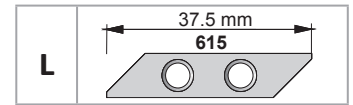
++ 41 32 494 64 74

++ 41 32 494 64 77

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foncer/tourner
einstechen/drehen
grooving/turning

617LO avec rayon
617LO mit Radius
617LO with radius



TYPE/TYP/TYPE	E	r	X	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
617LO	1.0	0.08	2.0	●	●	●	○
617LO	1.5	0.08	3.0	●	●	●	○
617LO	1.5	0.20	3.0	●	●	●	○
617LO	2.0	0.08	4.0	●	●	●	○
617LO	2.0	0.20	4.0	●	●	●	○
617LO	2.5	0.08	5.0	○	○	○	○
617LO	2.5	0.20	5.0	○	○	○	○
617LO	3.0	0.08	6.0	●	●	●	○
617LO	3.0	0.20	6.0	●	●	●	○

Exemple commande / Bestellbeispiel / Order example: 617LO 1.0 r 0.08 NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


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CH-2740 Moutier

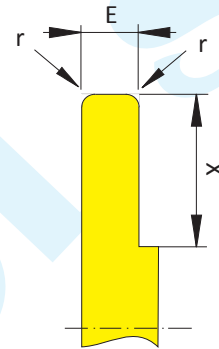
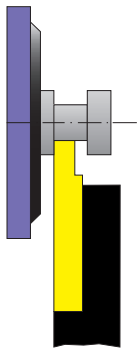
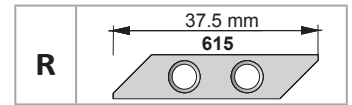
 ++ 41 32 494 64 74

 ++ 41 32 494 64 77

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foncer/tourner
einstechen/drehen
grooving/turning

617RO avec rayon
617RO mit Radius
617RO with radius



TYPE/TYP/TYP	E	r	X	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
617RO	1.0	0.08	2.0	●	●	●	○
617RO	1.5	0.08	3.0	●	●	●	○
617RO	1.5	0.20	3.0	●	●	●	○
617RO	2.0	0.08	4.0	●	●	●	○
617RO	2.0	0.20	4.0	●	●	●	○
617RO	2.5	0.08	5.0	○	○	○	○
617RO	2.5	0.20	5.0	○	○	○	○
617RO	3.0	0.08	6.0	●	●	●	○
617RO	3.0	0.20	6.0	●	●	●	○

Exemple commande / Bestellbeispiel / Order example: 617RO 1.0 r 0.08 NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand

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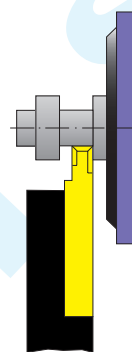
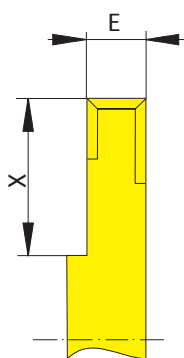
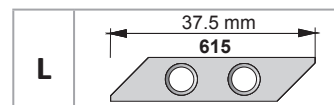


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foncer/tourner
einstechen/drehen
grooving/turning

617LO BCX brise copeau
617LO BCX Spanbrecher
617LO BCX chip breaker



TYPE/TYP/TYPE	E	X	Revêtement - Beschichtung - Coating			
			NR	TIN	FUT	TICN
617LO	1.5	3.0	○	○	○	○
617LO	2.0	4.0	●	●	●	○
617LO	2.5	5.0	●	●	●	○
617LO	3.0	6.0	●	●	●	○
617LO	4.0	8.0	○	○	○	○

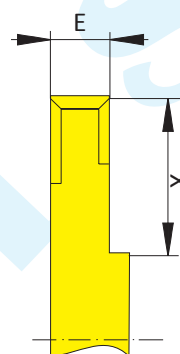
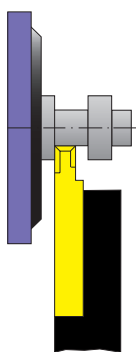
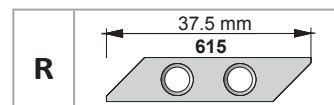
Exemple commande / Bestellbeispiel / Order example: 617LO 1.5 BCX NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand

foncer/tourner
einstecken/drehen
grooving/turning

617RO BCX brise copeau
617RO BCX Spanbrecher
617RO BCX chip breaker



TYPE/TYP/TYPER	E	X	Revêtement - Beschichtung - Coating			
			NR	TIN	FUT	TICN
617RO	1.5	3.0	○	○	○	○
617RO	2.0	4.0	●	●	●	○
617RO	2.5	5.0	●	●	●	○
617RO	3.0	6.0	●	●	●	○
617RO	4.0	8.0	○	○	○	○

Exemple commande / Bestellbeispiel / Order example: 617RO 1.5 BCX NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand

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CH-2740 Moutier



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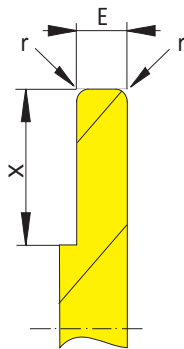
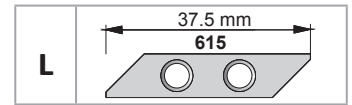


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foncer/tourner
einstecken/drehen
grooving/turning

617LX avec rayon
617LX mit Radius
617LX with radius



TYPE/TYP/TYPER	E	r	X	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
617LX	1.0	0.08	2.0	●	●	●	○
617LX	1.0	0.20	2.0	●	●	●	○
617LX	1.0	0.40	2.0	○	○	○	○
617LX	1.5	0.08	3.0	●	●	●	○
617LX	1.5	0.20	3.0	●	●	●	○
617LX	1.5	0.40	3.0	●	●	●	○
617LX	2.0	0.08	4.0	●	●	●	○
617LX	2.0	0.20	4.0	●	●	●	○
617LX	2.0	0.40	4.0	●	●	●	○
617LX	2.5	0.08	5.0	●	●	●	○
617LX	2.5	0.20	5.0	●	●	●	○
617LX	2.5	0.40	5.0	●	●	●	○
617LX	3.0	0.08	6.0	●	●	●	○
617LX	3.0	0.20	6.0	●	●	●	○
617LX	3.0	0.40	6.0	●	●	●	○
617LX	4.0	0.08	8.0	●	●	●	○
617LX	4.0	0.20	8.0	●	●	●	○
617LX	4.0	0.40	8.0	●	●	●	○

Exemple commande / Bestellbeispiel / Order example: 617LX 1.0 r 0.08 NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


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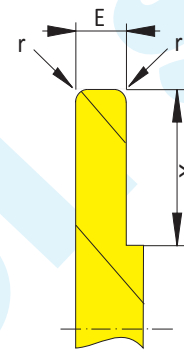
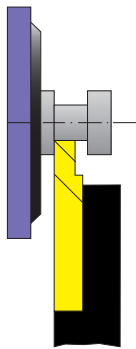
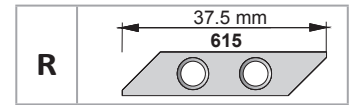
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foncer/tourner
einstechen/drehen
grooving/turning

617RX avec rayon
617RX mit Radius
617RX with radius



TYPE/TYP/TYPER	E	r	X	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
617RX	1.0	0.08	2.0	●	●	●	○
617RX	1.0	0.20	2.0	●	●	●	○
617RX	1.0	0.40	2.0	○	○	○	○
617RX	1.5	0.08	3.0	●	●	●	○
617RX	1.5	0.20	3.0	●	●	●	○
617RX	1.5	0.40	3.0	●	●	●	○
617RX	2.0	0.08	4.0	●	●	●	○
617RX	2.0	0.20	4.0	●	●	●	○
617RX	2.0	0.40	4.0	●	●	●	○
617RX	2.5	0.08	5.0	●	●	●	○
617RX	2.5	0.20	5.0	●	●	●	○
617RX	2.5	0.40	5.0	●	●	●	○
617RX	3.0	0.08	6.0	●	●	●	○
617RX	3.0	0.20	6.0	●	●	●	○
617RX	3.0	0.40	6.0	●	●	●	○
617RX	4.0	0.08	8.0	●	●	●	○
617RX	4.0	0.20	8.0	●	●	●	○
617RX	4.0	0.40	8.0	●	●	●	○

Exemple commande / Bestellbeispiel / Order example: 617RX 1.0 r 0.08 NR

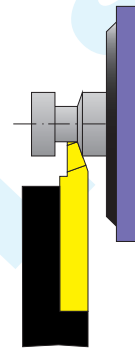
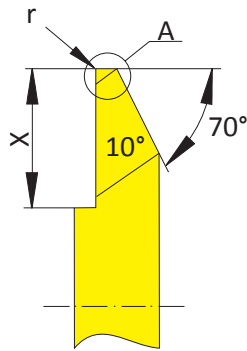
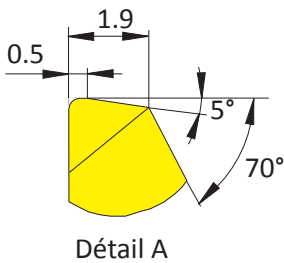
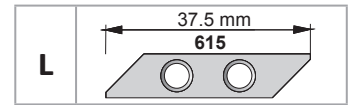
● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand



tourner arrière ébauche
vordrehen hinten
rough back turn

619LX avec rayon
619LX mit Radius
619LX with radius



TYPE/TYP/TYPE	E	r	x	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
619LX	1.9	0.20	7.0	●	●	●	○

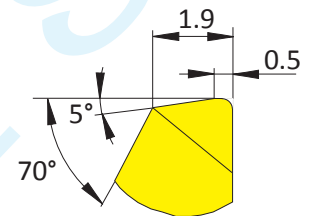
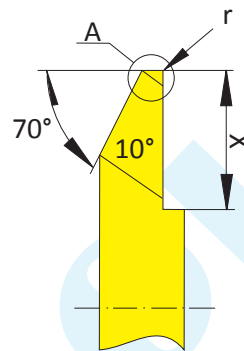
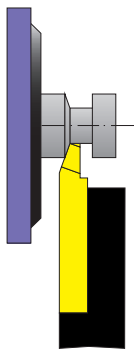
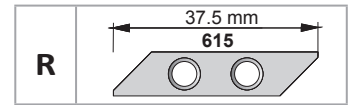
Exemple commande / Bestellbeispiel / Order example: 619LX r 0.20 NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand

tourner arrière ébauche
vordrehen hinten
rough back turn

619RX avec rayon
619RX mit Radius
619RX with radius



Détail A

TYPE/TYP/TYPE	E	r	x	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
619RX	1.9	0.20	7.0	●	●	●	○

Exemple commande / Bestellbeispiel / Order example: 619RX r 0.20 NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand

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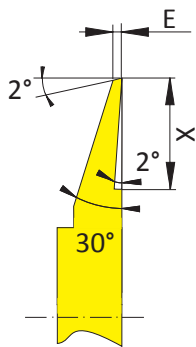
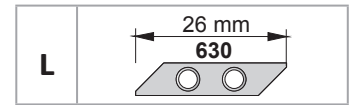
CH-2740 Moutier

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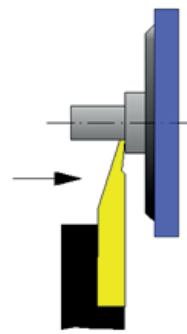
++ 41 32 494 64 77

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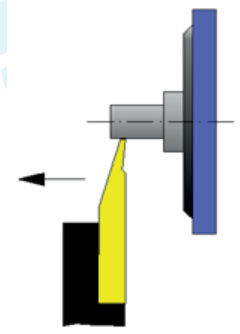
foncer/tourner/ébauche/finition 631HL
 einstechen/drehen/schruppen/schlichten 631HL
 grooving/turning/roughing/finishing 631HL



ébauche
schruppen
roughing



finition
schlichten
finishing



TYPE/TYP/TYPE	E	X	Angle/Winkel/Angle	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
631HL	0.05	2.0	30°	●	○	●	○

Exemple commande / Bestellbeispiel / Order example: 631HL NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand

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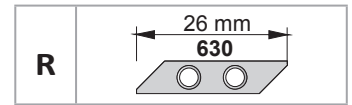
CH-2740 Moutier

++ 41 32 494 64 74

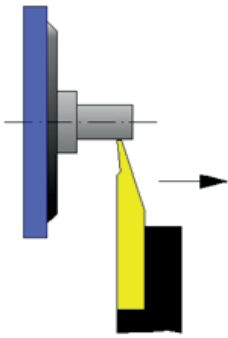
++ 41 32 494 64 77

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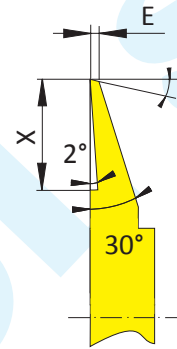
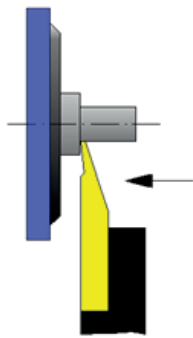
foncer/tourner/ébauche/finition	631HR
einstecken/drehen/schruppen/schlichten	631HR
grooving/turning/roughing/finishing	631HR



finition
schlichten
finishing



ébauche
schruppen
roughing



TYPE/TYP/TYPER	E	X	Angle/Winkel/Ange	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
631HR	0.05	2.0	30°	●	○	●	○

Exemple commande / Bestellbeispiel / Order example: 631HR NR

- stock
ab Lager
on stock
- sur demande
auf Anfrage
on demand


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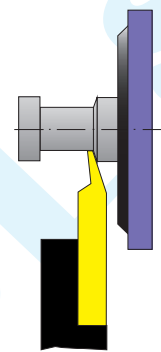
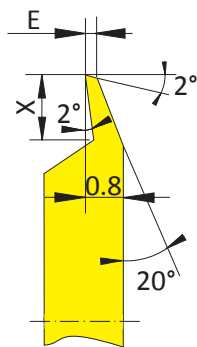
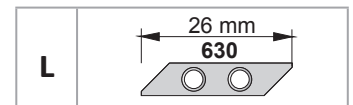
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 ++ 41 32 494 64 77

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tourner arrière ébauche
vordrehen hinten
rough back turn

632HL EB
632HL EB
632HL EB



TYPE/TYP/TYPER	E	X	Angle/Winkel/Ange	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
632HL EB	0.05	2.0	20°	●	○	●	○

Exemple commande / Bestellbeispiel / Order example: 632HL EB NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


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CH-2740 Moutier

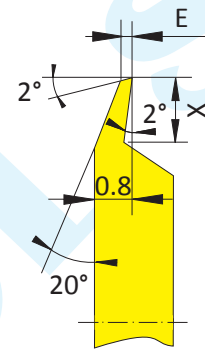
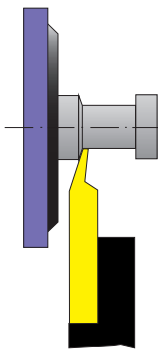
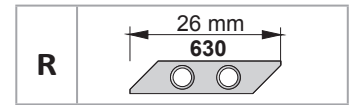
 ++ 41 32 494 64 74

 ++ 41 32 494 64 77

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tourner arrière ébauche
vordrehen hinten
rough back turn

632HR EB
632HR EB
632HR EB



TYPE/TYP/TYP	E	X	Angle/Winkel/Angle	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
632HR EB	0.05	2.0	20°	●	○	●	○

Exemple commande / Bestellbeispiel / Order example: 632HR EB NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


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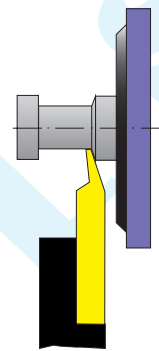
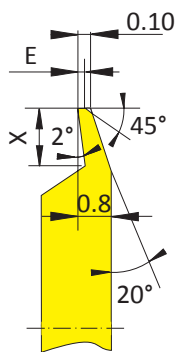
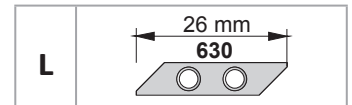
 ++ 41 32 494 64 74

 ++ 41 32 494 64 77

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tourner arrière finition
hinten drehen schlichten
back turning finishing

632HL FI
632HL FI
632HL FI



TYPE/TYP/TYP	E	X	Angle/Winkel/Angle	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
632HL FI	0.03	2.0	20°	●	○	●	○

Exemple commande / Bestellbeispiel / Order example: 632HL FI NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


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CH-2740 Moutier

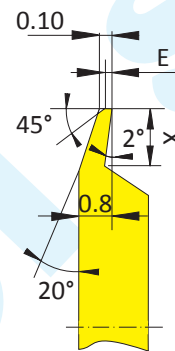
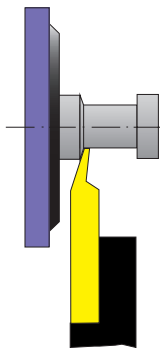
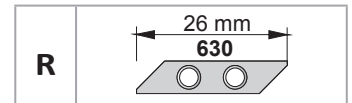
 ++ 41 32 494 64 74

 ++ 41 32 494 64 77

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tourner arrière finition
hinten drehen schlichten
back turning finishing

632HR FI
632HR FI
632HR FI



TYPE/TYP/TYP	E	X	Angle/Winkel/Ange	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
632HR FI	0.03	2.0	20°	●	○	●	○

Exemple commande / Bestellbeispiel / Order example: 632HR FI NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


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CH-2740 Moutier

 ++ 41 32 494 64 74

 ++ 41 32 494 64 77

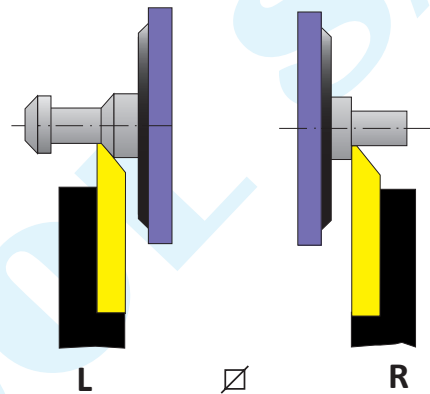
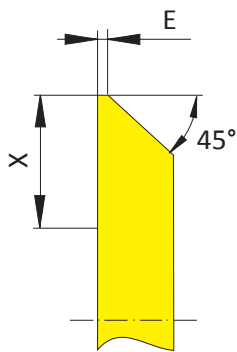
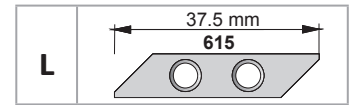
 info@precitool.ch

foncer/turner/angler
 einstechen/drehen mit Winkel
 grooving/turning with angle

655L 45

655L 45

655L 45



TYPE/TYP/TYP	E	X	Angle/Winkel/Angle	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
655L 45	0.5	9.0	45°	●	●	●	○

Exemple commande / Bestellbeispiel / Order example: 655L 45 NR

● stock
 ab Lager
 on stock

○ sur demande
 auf Anfrage
 on demand


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CH-2740 Moutier

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 ++ 41 32 494 64 77

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foncer/turner/angler

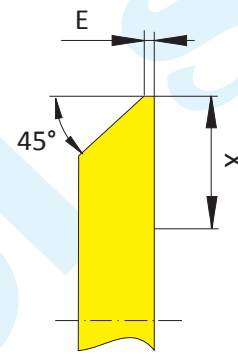
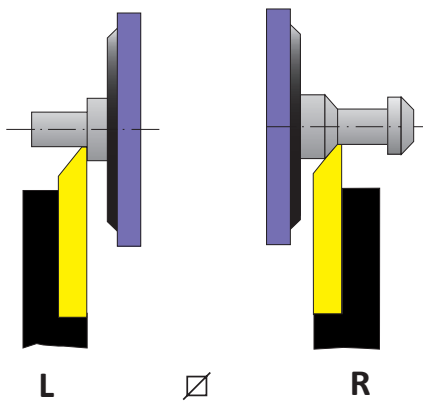
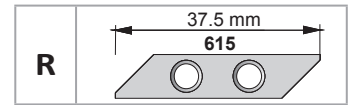
655R 45

einstecken/drehen mit Winkel

655R 45

grooving/turning with angle

655R 45



TYPE/TYP/TYPER	E	X	Angle/Winkel/Ange	Revêtement - Beschichtung - Coating			
				NR	TIN	FUT	TICN
655R 45	0.5	9.0	45°	●	●	●	○

Exemple commande / Bestellbeispiel / Order example: 655R 45 NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


PRECITool SA

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CH-2740 Moutier

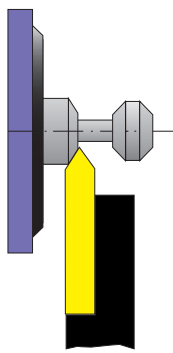
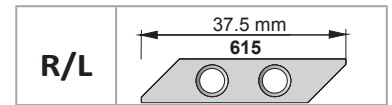
 ++ 41 32 494 64 74

 ++ 41 32 494 64 77

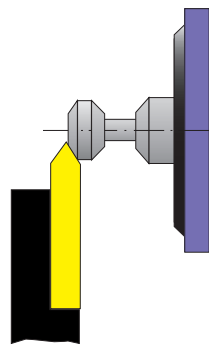
 info@precitool.ch

angler
Winkel
Angle

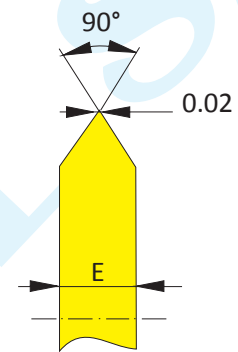
655R/L 90
655R/L 90
655R/L 90



R



L



TYPE/TYP/TYPER	E	Angle/Winkel/Angle	Revêtement - Beschichtung - Coating			
			NR	TIN	FUT	TICN
655R/L 90	4	90°	●	●	●	○

Exemple commande / Bestellbeispiel / Order example: 655R/L NR

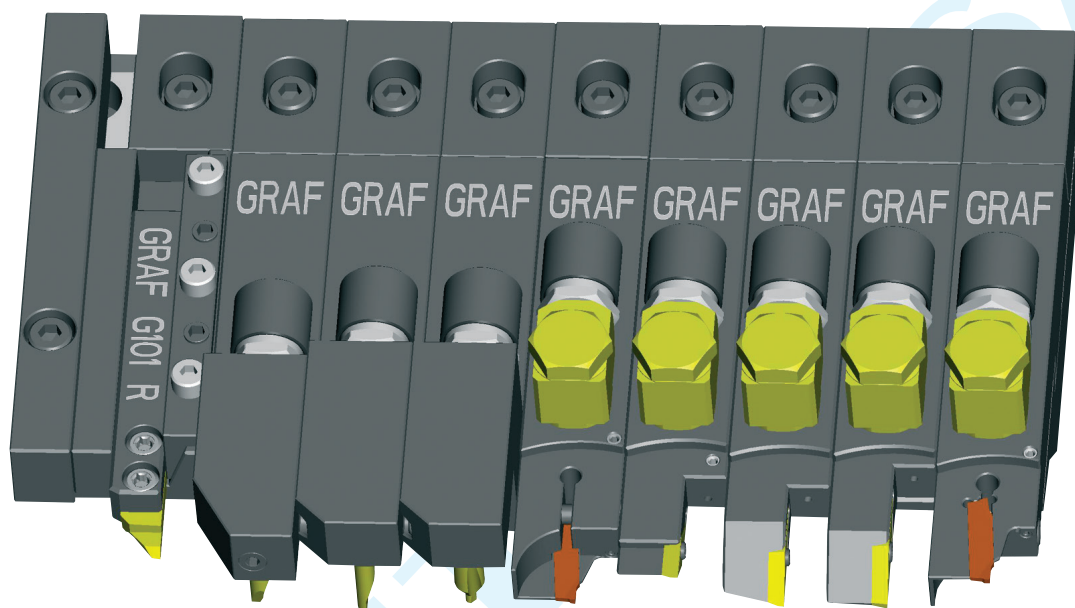
● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand

Lineareinheit Schnell-
wechselsystem mit
Innenkühlung

Linear-Unit-Quick-
change-System with
inner cooling

Unité linéaire
pour inserts à
refroidissement
intérieur



Unsere Pluspunkte:

- 9 Werkzeugstationen mit Innenkühlung!
- Verkürzung der Rüstzeiten!
- Sehr hohe Genauigkeit +/- 1Hundertstel!
- Werkzeuge individuell festlegbar!
- Maximale Stabilität durch unsere „Schwalbenschwanz“ Technologie!

Our plus points:

- 9 tool stations with inner cooling!
- Reduction of the set up times!
- Very high accuracy +/- 1 hundredth!
- Individual configuration of the tools!
- Max. stability due to our "dove tail" technology!

Nos atouts:

- 9 emplacements pour des outils à refroidissement intérieur!
- Réduction des temps de montage
- Précision extrême (+/-) 1 centième
- Configuration individuelle de chaque outil
- Stabilité maximale grâce à notre technologie en «queue de pie»

Exemple commande / Bestellbeispiel / Order example:

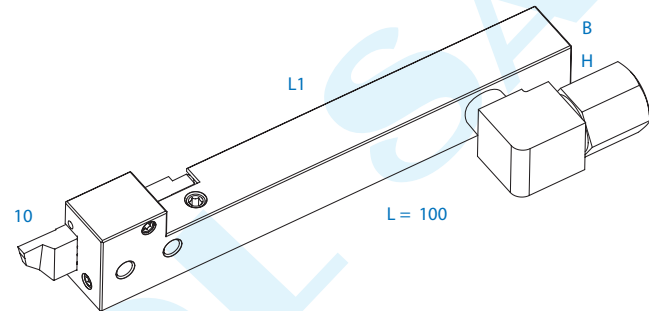
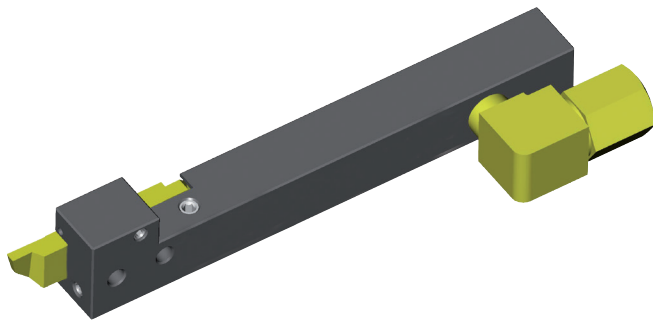
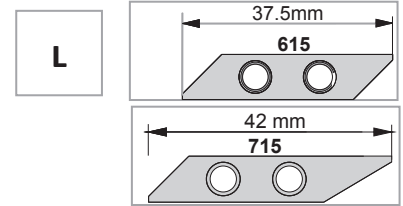
sur demande
o auf Anfrage
o on demand

Porte-outils avec arrosage intégré
Wendeplatten-Halter mit Kühlkanal
Plate holder with integrated cooling

P615 L HP

P615 L HP

P615 L HP



GRAF
WERKZEUGSYSTEME

TYPE/TYP/TYP	∠	L1	L2	STOCK LAGER STOCK	SERIE	VIS SCHRAUBE SCREW	CLE SCHLUESSEL KEY
P615 L 12 HP	12 x 12	86	100	●	615 715	628V	T15
P615 L 16 HP	16 x 16	86	100	●	615 715	628V	T15
P615 L 20 HP	20 x 20	86	100	●	615 715	628V	T15

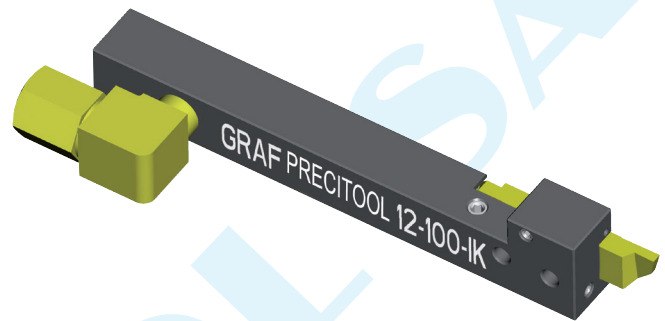
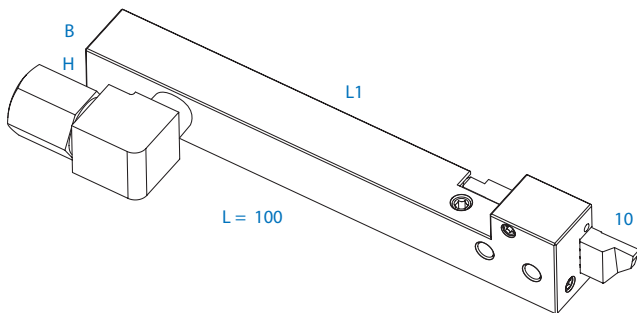
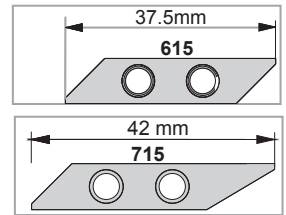
Exemple commande / Bestellbeispiel / Order example: P 615 L 12 HP

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand

Porte-outils avec arrosage intégré
Wendeplatten-Halter mit Kühlkanal
Plate holder with integrated cooling

P615 R HP
P615 R HP
P615 R HP



GRAF
WERKZEUGSYSTEME

TYPE/TYP/TYP	∕	L1	L2	STOCK LAGER STOCK	SERIE	VIS SCHRAUBE SCREW	CLE SCHLUESSEL KEY
P615 R 12 HP	12 x 12	86	100	●	615 715	628V	T15
P615 R 16 HP	16 x 16	86	100	●	615 715	628V	T15
P615 R 20 HP	20 x 20	86	100	●	615 715	628V	T15

Exemple commande / Bestellbeispiel / Order example: P 615 R 12 HP

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand

Raccord pour canal d'arrosage
Kühlmittelanschluss Standard
Coolant supply

P615 L HP
P615 R HP

GRAF
WERKZEUGSYSTEME

Flex-Leitungen / Flexible tubes

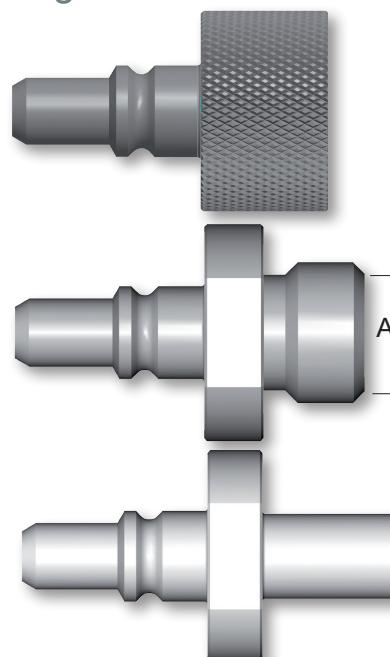
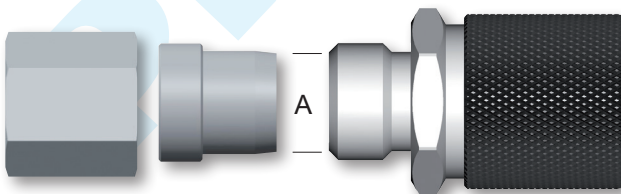


Best-Nr./ Order-No.	Bezeichnung Description	Ø Ø	Länge Length
21-1109	SMS-A DN 2x100 bds. HE-S 06-ACF	6	100
21-1111	SMS-A DN 2x150 bds. HE-S 06-ACF	6	150
21-1112	SMS-A DN 2x200 bds. HE-S 06-ACF	6	200
21-1113	SMS-A DN 2x250 bds. HE-S 06-ACF	6	250
21-1114	SMS-A DN 2x300 bds. HE-S 06-ACF	6	300
21-1115	SMS-A DN 2x400 bds. HE-S 06-ACF	6	400
21-1116	SMS-A DN 2x500 bds. HE-S 06-ACF	6	500

Schnellkupplung für Kühlmittelanschluss / Clip connection for through tool cooling

Schnellkupplung inkl. Überwurfmutter und Schneidring
Quick connection incl. union nut and olive

A Best-Nr./Order-No.
M10x1 004.00.49



Verschlussstopfen /
Sealing plug

Best.-Nr. / Order-No.
004.00.66

Stecker / Adapter

A Best-Nr./Order-No.
M8x1 004.00.56
G1/8" 004.00.57

Stecker / Adapter

Ø 6 mm

Best-Nr./Order-No.
004.00.59

Raccord pour canal d'arrosage
Kühlmittelanschluss Standard
Coolant supply

P615 L HP
P615 R HP

GRAF
WERKZEUGSYSTEME

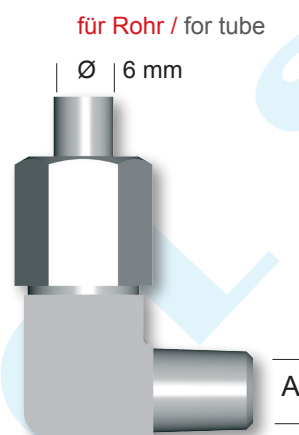
Kühlmittelanschluss Standard / Connection for through tool cooling

Kühlmittelanschluss gerade /
Connection through tool cooling / straight



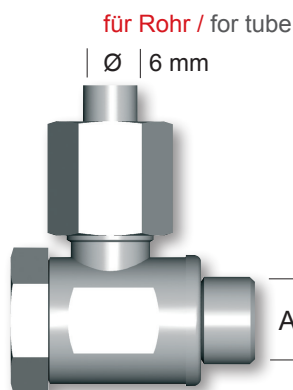
A	Best-Nr./Order-No.
M8x1	004.00.19
G1/8"	004.00.14

Kühlmittelanschluss 90° Winkel /
Connection through tool cooling 90° angle



A	Best-Nr./Order-No.
M8x1	004.00.22
G1/8"	004.00.33
G1/4"	004.00.34

Schwenkverschraubung /
Swivelling screw fitting



A	Best-Nr./Order-No.
M8x1	004.00.61
G1/8"	004.00.16

2/3/4-fach Verteilerleiste / 2/3/4 port distributor block



Best-Nr./ Order-No.	Bezeichnung Description	Eingänge Input G3/4"	Ausgänge Exit M8x1	Ausgänge Exit G1/8"
21-4207	VRL-2-M8x1	2	2	-
21-4208	VRL-2-G1/8"	2	-	2
21-4209	VRL-3-M8x1	2	3	-
21-4210	VRL-3-G1/8"	2	-	3
21-4211	VRL-4-M8x1	2	4	-
21-4212	VRL-4-G1/8"	2	-	4



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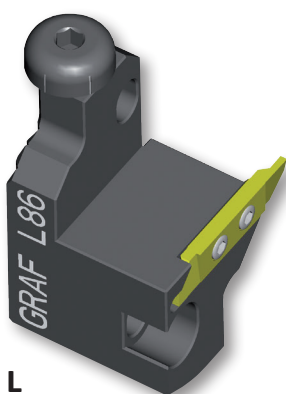
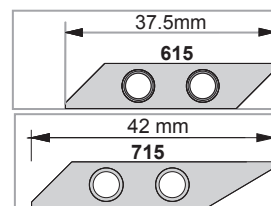
📠 ++ 41 32 494 64 77

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Porte-outils réversibles réglables en hauteur
 Rückseitenbearbeitungs-Werkzeuge höhenverstellbar
 back operation tools height adjustable

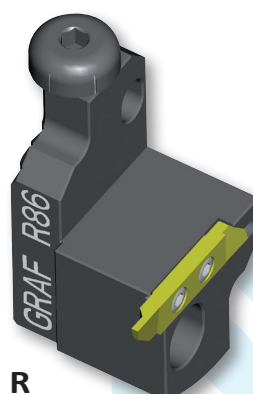
PTL L86 PTL R86
 PTL L86 PTL R86
 PTL L86 PTL R86

L/R



L

couper gauche
 linksschneidend
 cutting left
 L86

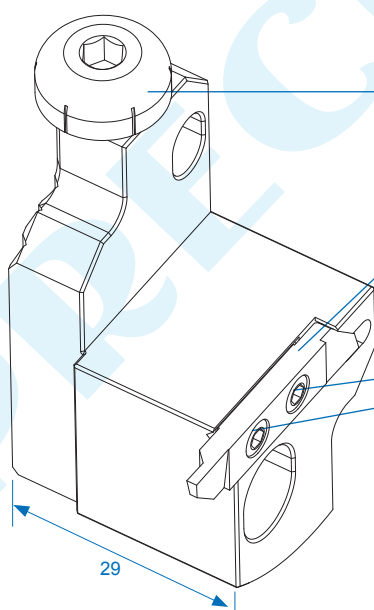


R

couper droite
 rechtsschneidend
 cutting right
 R86

GRAF
 WERKZEUGSYSTEME

Utilisation foncer, tourner, fileter
 Anwendungsbereich Formstechen, Gewindestrehlen, Einstech-Langdrehen
 Application forming, grooving, turning, threading



vis pour régler la hauteur
 screw to adjust the height
 Höhenverstellungsschraube
 002.00.69

pour/für/ for Precitool L/R 615 - 715

vis à tête noyée
 counter sunk-head screw
 Senkschraube
 001.01.45

Exemple commande / Bestellbeispiel / Order example: PTL L86

● stock
 ab Lager
 on stock

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CH-2740 Moutier

++ 41 32 494 64 74

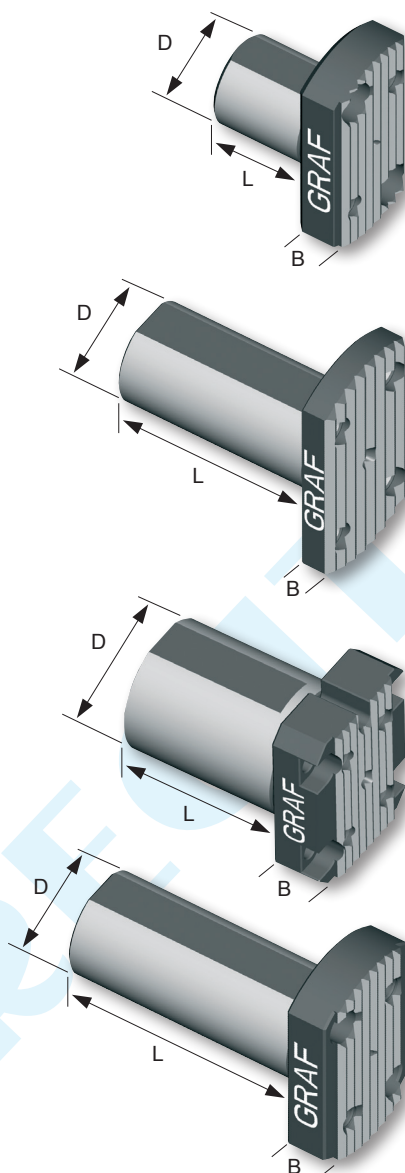
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Porte-outils de base G
Grundhalter G
Basic tool holder G

PTL N06
PTL L86
PTL R86

GRAF
WERKZEUGSYSTEME



STAR-Maschinen

D	L	B	Best.-Nr.
16	10	10	G016 010 SW 7
16	19	10	G016 019 SW 7
16	21	6	G016 021
22	23	6	G022 023
22	30	6	G022 030
22	70	6	G022 070
22	25	12	G022 025 R16/20R
22	25	12	G022 030 SR32
34	30	12	G034 030 ECAS 32

CITIZEN-Maschinen

D	L	B	Best.-Nr.
3/4"	40	6	G034 040
3/4"	50	6	G034 050
3/4"	120	6	G034 120
20	30	6	G020 030
1"	30	6	G010 030
1"	60	6	G010 060
1"	100	6	G010 100

MAIER-Maschinen

D	L	B	Best.-Nr.
28	40	12	G028 040
30	45	12	G030 045
34	20	12	G034 020
34	44	12	G034 044

TRAUB-Maschinen

D	L	B	Best.-Nr.
16	40	6	G016 040
28	80	12	G028 080

Exemple commande / Bestellbeispiel / Order example:

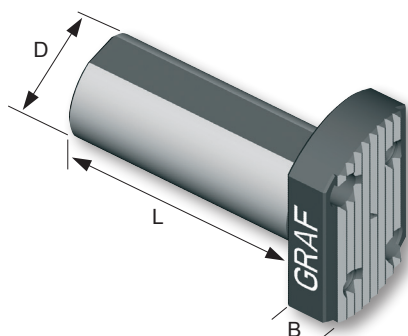
PTL G016 010 SW7

sur demande
o auf Anfrage
on demand

Porte-outils de base G
Grundhalter G
Basic tool holder G

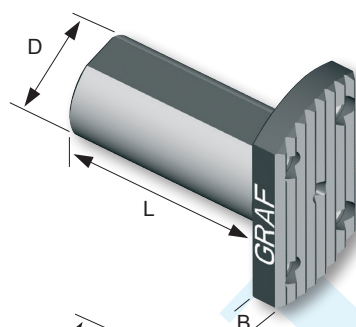
PTL N06
PTL L86
PTL R86

GRAF
WERKZEUGSYSTEME



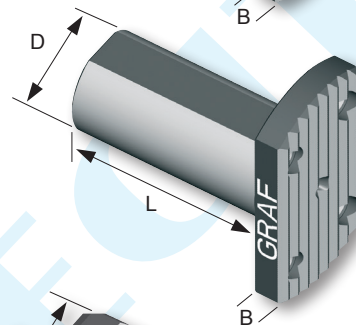
HANWHA-Maschinen

D	L	B	Best.-Nr.
20	40	6	G020 040
25	40	12	G025 040
25	60	12	G025 060
28	6	12	G028 006
32	25	12	G032 025
33	40	12	G033 040
34	44	12	G034 044



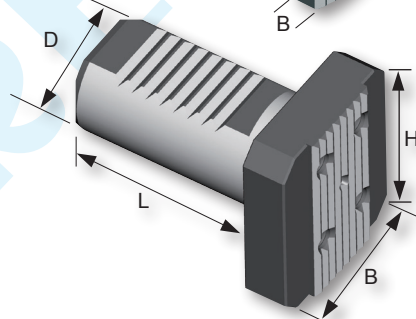
MANURHIN-Maschinen

D	L	B	Best.-Nr.
16	40	6	G016 040
20	150	6	G020 150
25	70	6	G025 070
25	100	6	G025 100
25	160	6	G025 160



TORNOS-Maschinen

D	L	B	Best.-Nr.
20	100	6	G020 100
20	150	6	G020 150
25	70	6	G025 070
25	100	6	G025 100
25	160	6	G025 160



VDI-Aufnahmen

D	L	H	B	Best.-Nr.
16	32	45	24	GV016 032
20	40	45	24	GV020 040
25	48	50	35	GV025 048
30	55	52,5	45	GV030 055

Exemple commande / Bestellbeispiel / Order example: PTL G020 040

o sur demande
auf Anfrage
on demand



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CH-2740 Moutier

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📠 ++ 41 32 494 64 77

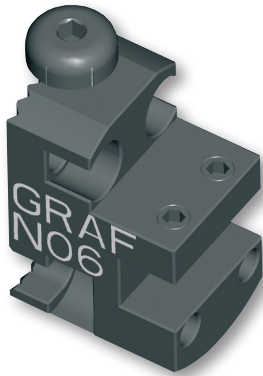
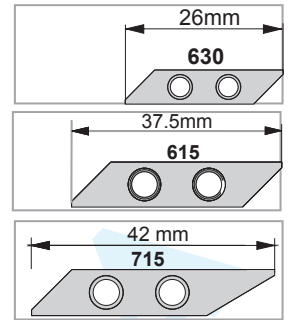
✉ info@precitool.ch

Porte-outils arrière
Rückseitenbearbeitungs-Werkzeuge
Back working tools

□ 10

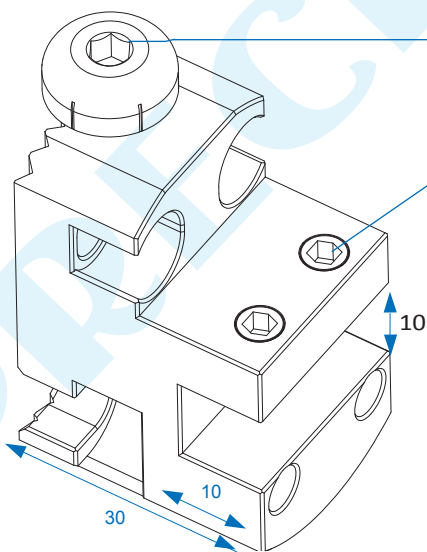
PTL N06
PTL N06
PTL N06

L/R



N06

GRAF
WERKZEUGSYSTEME



vis pour régler la hauteur
Höhenverstellungsschraube
screw to adjust the height
002.00.69

vis sans tête
Gewindestift
set screw
002.00.11

Exemple commande / Bestellbeispiel / Order example: PTL N06

● stock
● ab Lager
● on stock

PRECITool SA

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++ 41 32 494 64 74

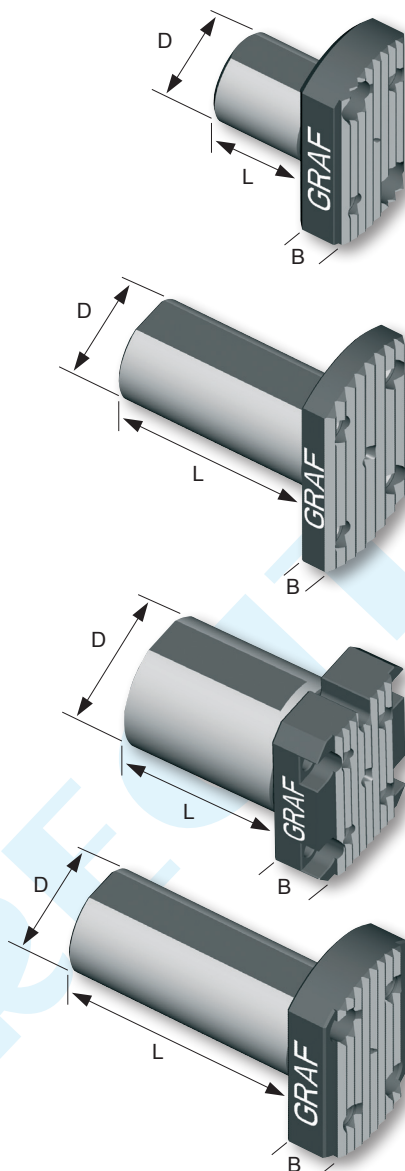
++ 41 32 494 64 77

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Porte-outils de base G
Grundhalter G
Basic tool holder G

PTL N06
PTL L86
PTL R86

GRAF
WERKZEUGSYSTEME



STAR-Maschinen

D	L	B	Best.-Nr.
16	10	10	G016 010 SW 7
16	19	10	G016 019 SW 7
16	21	6	G016 021
22	23	6	G022 023
22	30	6	G022 030
22	70	6	G022 070
22	25	12	G022 025 R16/20R
22	25	12	G022 030 SR32
34	30	12	G034 030 ECAS 32

CITIZEN-Maschinen

D	L	B	Best.-Nr.
3/4"	40	6	G034 040
3/4"	50	6	G034 050
3/4"	120	6	G034 120
20	30	6	G020 030
1"	30	6	G010 030
1"	60	6	G010 060
1"	100	6	G010 100

MAIER-Maschinen

D	L	B	Best.-Nr.
28	40	12	G028 040
30	45	12	G030 045
34	20	12	G034 020
34	44	12	G034 044

TRAUB-Maschinen

D	L	B	Best.-Nr.
16	40	6	G016 040
28	80	12	G028 080

Exemple commande / Bestellbeispiel / Order example:

PTL G016 010 SW7

sur demande
o auf Anfrage
on demand

Porte-outils de base G

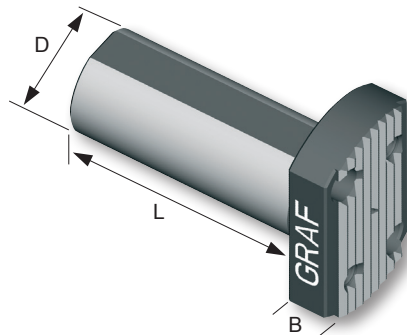
Grundhalter G

Basic tool holder G

PTL N06

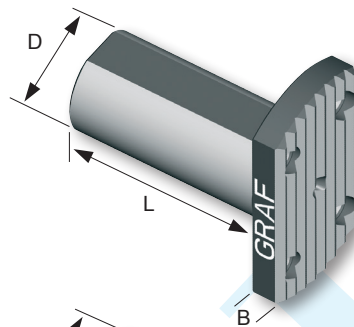
PTL L86

PTL R86


GRAF
WERKZEUGSYSTEME


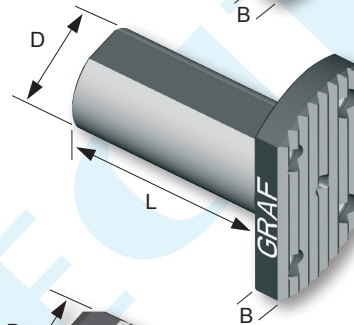
HANWHA-Maschinen

D	L	B	Best.-Nr.
20	40	6	G020 040
25	40	12	G025 040
25	60	12	G025 060
28	6	12	G028 006
32	25	12	G032 025
33	40	12	G033 040
34	44	12	G034 044



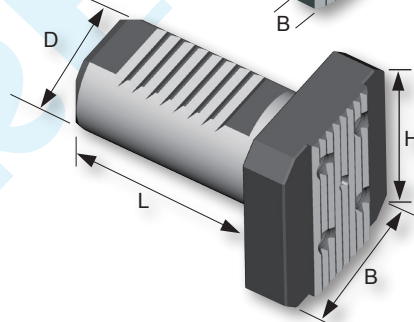
MANURHIN-Maschinen

D	L	B	Best.-Nr.
16	40	6	G016 040
20	150	6	G020 150
25	70	6	G025 070
25	100	6	G025 100
25	160	6	G025 160



TORNOS-Maschinen

D	L	B	Best.-Nr.
20	100	6	G020 100
20	150	6	G020 150
25	70	6	G025 070
25	100	6	G025 100
25	160	6	G025 160



VDI-Aufnahmen

D	L	H	B	Best.-Nr.
16	32	45	24	GV016 032
20	40	45	24	GV020 040
25	48	50	35	GV025 048
30	55	52,5	45	GV030 055

Exemple commande / Bestellbeispiel / Order example: PTL G020 040

 o sur demande
 o auf Anfrage
 o on demand

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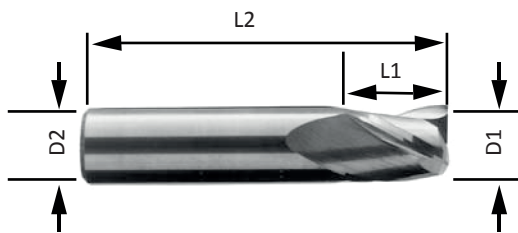
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fraises en bout angles vifs
Schafffräser scharfkantig
end mills sharp edged

PTL 336
PTL 336
PTL 336

VHM	 90°	$\lambda 30^\circ$	$\gamma 10^\circ$
MD			
SC			



TYPE/TYP/TYP	D1	D2	L1	L2	Z	Revêtement - Beschichtung - Coating	
						NR	avec/mit/with
336.015	1.5	6.0	4.0	39.0	3	●	●
336.020	2.0	6.0	5.0	39.0	3	●	●
336.025	2.5	6.0	6.0	39.0	3	●	●
336.030	3.0	6.0	6.0	39.0	3	●	●
336.040	4.0	6.0	8.0	39.0	3	●	●
336.050	5.0	6.0	9.0	39.0	3	●	●
336.060	6.0	6.0	9.0	39.0	3	●	●
336.080	8.0	8.0	12.0	44.0	3	●	●
336.100	10.0	10.0	14.0	51.0	3	●	●
336.120	12.0	12.0	17.0	58.0	3	●	●

Exemple commande / Bestellbeispiel / Order example: 336.015 NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


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
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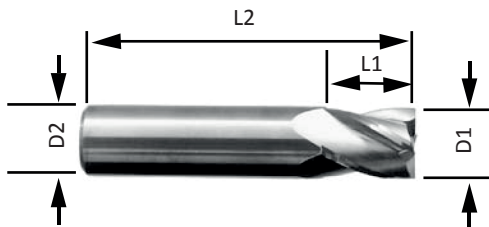
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fraises en bout de finition angles vifs PTL 337
 Schaftfräser glattschneidig scharfkantig PTL 337
 end mills finishing sharp edged PTL 337

VHM	 90°	$\lambda 45^\circ$	$\gamma 10^\circ$
MD			
SC			



TYPE/TYP/TYP	D1	D2	L1	L2	Z	Revêtement - Beschichtung - Coating	
						NR	avec/mit/with
337.030	3.0	6.0	4.0	38.0	4	●	●
337.040	4.0	6.0	5.0	38.0	4	●	●
337.050	5.0	6.0	6.0	38.0	4	●	●
337.060	6.0	6.0	7.0	38.0	6	●	●
337.080	8.0	8.0	9.0	41.0	6	●	●
337.100	10.0	10.0	11.0	48.0	6	●	●

Exemple commande / Bestellbeispiel / Order example: 337.030 NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


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
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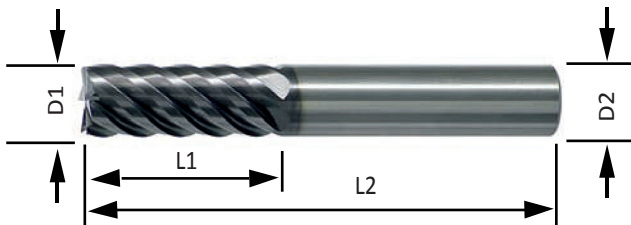
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fraises en bout de finition 55°
Schafffräser glattschneidig 55°
end mills finishing 55°

PTL 355
PTL 355
PTL 355

VHM	 45°	$\lambda 55^\circ$	$\gamma 15^\circ$
MD			
SC			



TYPE/TYP/TYPE	D1	D2	L1	L2	Z	Revêtement - Beschichtung - Coating	
						NR	avec/mit/with
355.060	6.0	6.0	15.0	57.0	4	●	●
355.080	8.0	8.0	22.0	60.0	4	●	●
355.100	10.0	10.0	24.0	72.0	4	●	●
355.120	12.0	12.0	30.0	83.0	4	●	●

Exemple commande / Bestellbeispiel / Order example: 355.060 NR

● stock
ab Lager
on stock

○ sur demande
auf Anfrage
on demand


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**Nous sommes à votre disposition pour toute information complémentaire
merci de nous contacter**

Wir geben Ihnen gerne weitere Auskünfte, bitte kontaktieren Sie uns

We would be pleased to give you further information, please contact us

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