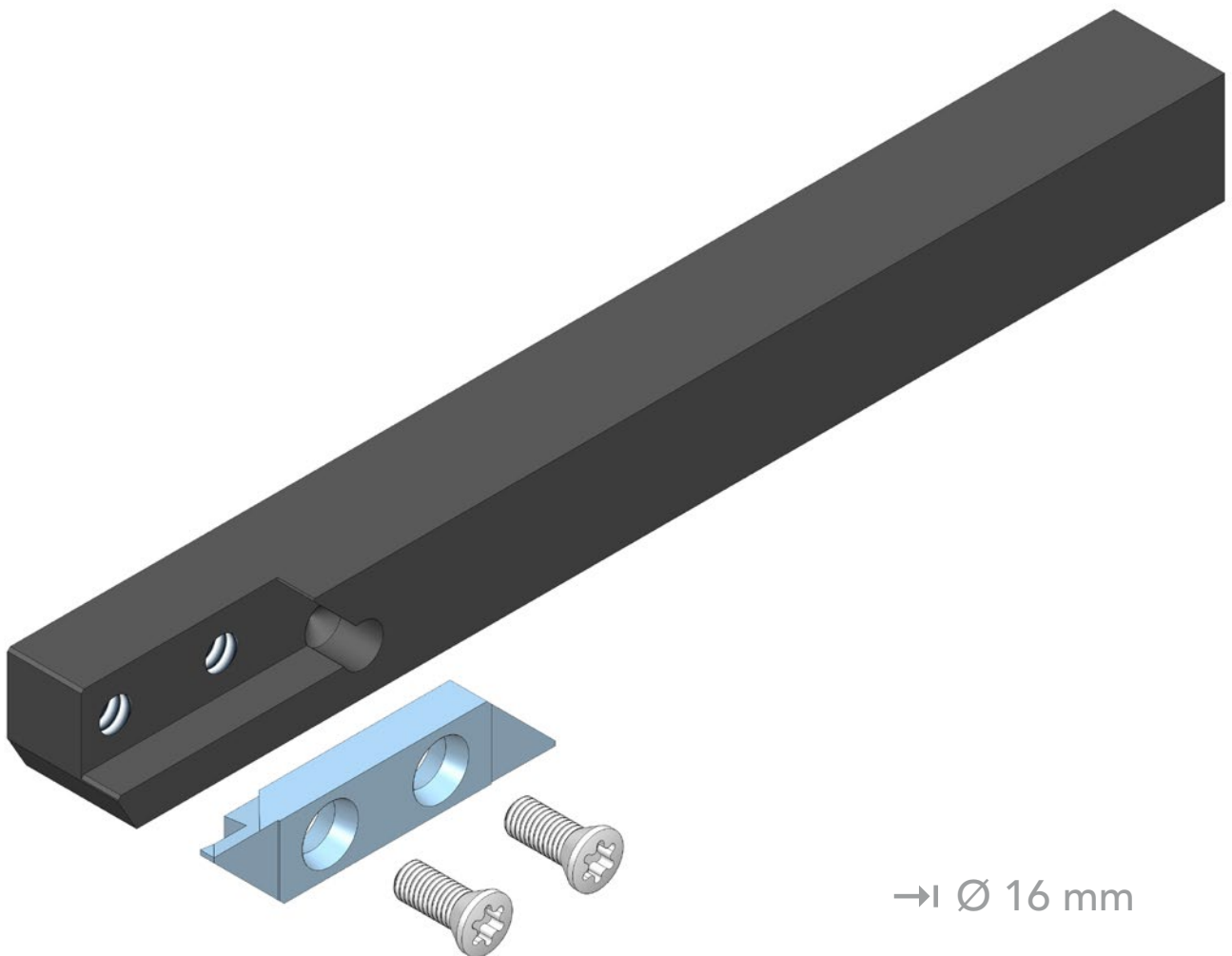



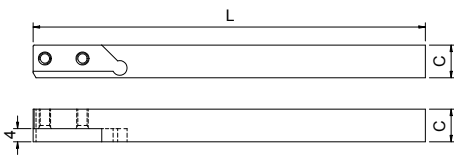





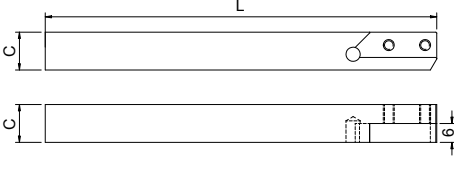
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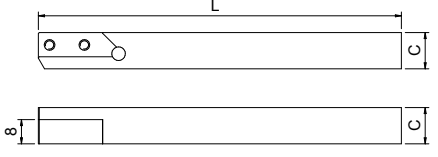







**Coating of inserts**  
**Beschichtung der Wendepplatten**  
**Revêtement des plaquettes**

✓ = Available  
 ✓ = Verfügbar  
 ✓ = Disponible

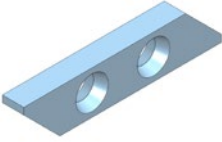
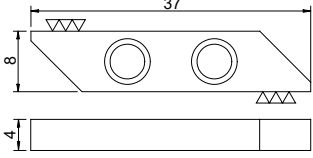
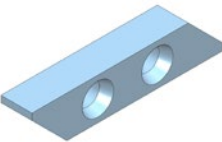
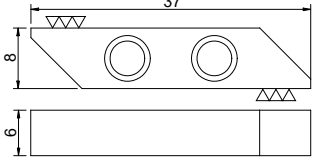
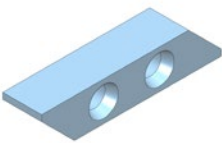
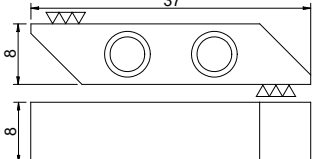
Designation Bezeichnung Désignation	Description Beschreibung Description
<b>K20</b>	<p><b>Without coating   K20 carbide</b></p> <p><b>Ohne Beschichtung   K20 Hartmetall</b></p> <p><b>Sans revêtement   Carbure K20</b></p>
<b>BI90</b>	<p><b>AlTiN-based</b></p> <ul style="list-style-type: none"> <li>• Universal coating.</li> <li>• Good oxidation resistance.</li> <li>• High heat resistance.</li> <li>• Suitable for steel and stainless steel.</li> </ul> <p><b>AlTiN-Basis</b></p> <ul style="list-style-type: none"> <li>• Universalbeschichtung.</li> <li>• Gute Oxidationsbeständigkeit.</li> <li>• Hohe Hitzebeständigkeit.</li> <li>• Ideal für Stahl und Edelstahl.</li> </ul> <p><b>Base AlTiN</b></p> <ul style="list-style-type: none"> <li>• Revêtement universel.</li> <li>• Bonne résistance à l'oxydation.</li> <li>• Haute résistance à la chaleur.</li> <li>• Adapté à l'acier et à l'acier inox.</li> </ul>
<b>TiN</b>	<p><b>TiN</b></p> <ul style="list-style-type: none"> <li>• Universal coating.</li> </ul> <p><b>TiN</b></p> <ul style="list-style-type: none"> <li>• Universalbeschichtung.</li> </ul> <p><b>TiN</b></p> <ul style="list-style-type: none"> <li>• Revêtement universel.</li> </ul>

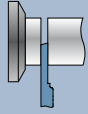
100BH3-1xxR	Right tool holder Werkzeughalter rechts Porte-outil à droite	Section C Querschnitt C Section C	Length L Länge L Longueur L	Article nr. Artikel Nr. N° Article
		10 x 10	120	100BH3-110R
		12 x 12	120	100BH3-112R
		14 x 14	150	100BH3-114R
		16 x 16	120	100BH3-116R
		20 x 20	120	100BH3-120R
		25 x 25	100	100BH3-125R
100BH3-1xxL	Left tool holder Werkzeughalter links Porte-outil à gauche	Section C Querschnitt C Section C	Length L Länge L Longueur L	Article nr. Artikel Nr. N° Article
		10 x 10	120	100BH3-110L
		12 x 12	120	100BH3-112L
		14 x 14	150	100BH3-114L
		16 x 16	120	100BH3-116L
		20 x 20	120	100BH3-120L
		25 x 25	100	100BH3-125L
100BH3-1xxR-6	Right tool holder for 6 mm inserts Werkzeughalter rechts für 6 mm Wendepplatten Porte-outil à droite pour plaquettes 6 mm	Section C Querschnitt C Section C	Length L Länge L Longueur L	Article nr. Artikel Nr. N° Article
		10 x 10	120	100BH3-110R-6
		12 x 12	120	100BH3-112R-6
		16 x 16	120	100BH3-116R-6
		20 x 20	120	100BH3-120R-6
				Use only with 715R/L-6 inserts Verwendung nur mit 715R/L-6 Wendepplatten Utilisation uniquement avec les plaquettes 715R/L-6
100BH3-1xxL-6	Left tool holder for 6 mm inserts Werkzeughalter links für 6 mm Wendepplatten Porte-outil à gauche pour plaquettes 6 mm	Section C Querschnitt C Section C	Length L Länge L Longueur L	Article nr. Artikel Nr. N° Article
		12 x 12	120	100BH3-112L-6
		16 x 16	120	100BH3-116L-6
		20 x 20	120	100BH3-120L-6
		25 x 25	120	100BH3-125L-6
				Use only with 715R/L-6 inserts Verwendung nur mit 715R/L-6 Wendepplatten Utilisation uniquement avec les plaquettes 715R/L-6

<p><b>100BH3-1xxR-8</b></p> 	<p>Right tool holder for 8 mm inserts Werkzeughalter rechts für 8 mm Wendepplatten Porte-outil à droite pour plaquettes 8 mm</p> 	<p>Section C Querschnitt C Section C</p>	<p>Length L Länge L Longueur L</p>	<p>Article nr. Artikel Nr. N° Article</p> <table border="1"> <tbody> <tr> <td>12 x 12</td> <td>120</td> <td>100BH3-112R-8</td> </tr> <tr> <td>16 x 16</td> <td>120</td> <td>100BH3-116R-8</td> </tr> <tr> <td>20 x 20</td> <td>120</td> <td>100BH3-120R-8</td> </tr> </tbody> </table> <p><i>Use only with 715R/L-8 inserts Verwendung nur mit 715R/L-8 Wendepplatten Utilisation uniquement avec les plaquettes 715R/L-8</i></p>	12 x 12	120	100BH3-112R-8	16 x 16	120	100BH3-116R-8	20 x 20	120	100BH3-120R-8
12 x 12	120	100BH3-112R-8											
16 x 16	120	100BH3-116R-8											
20 x 20	120	100BH3-120R-8											
<p><b>100BH3-1xxL-8</b></p> 	<p>Left tool holder for 8 mm inserts Werkzeughalter links für 8 mm Wendepplatten Porte-outil à gauche pour plaquettes 8 mm</p> 	<p>Section C Querschnitt C Section C</p>	<p>Length L Länge L Longueur L</p>	<p>Article nr. Artikel Nr. N° Article</p> <table border="1"> <tbody> <tr> <td>12 x 12</td> <td>120</td> <td>100BH3-112L-8</td> </tr> <tr> <td>16 x 16</td> <td>120</td> <td>100BH3-116L-8</td> </tr> </tbody> </table> <p><i>Use only with 715R/L-8 inserts Verwendung nur mit 715R/L-8 Wendepplatten Utilisation uniquement avec les plaquettes 715R/L-8</i></p>	12 x 12	120	100BH3-112L-8	16 x 16	120	100BH3-116L-8			
12 x 12	120	100BH3-112L-8											
16 x 16	120	100BH3-116L-8											
<p><b>100-1</b></p> 	<p>Key Schlüssel Clé</p> <p>Torx 15</p>			<p>Article nr. Artikel Nr. N° Article</p> <p>100-1</p>									
<p><b>100-2</b></p> 	<p>Screw for standard tool holders 100BH3-1xxR and 100BH3-1xxL Schraube für standard Werkzeughalter 100BH3-1xxR und 100BH3-1xxL Vis pour porte-outil standard 100BH3-1xxR et 100BH3-1xxL</p> <p>M3,5 x 9</p>			<p>Article nr. Artikel Nr. N° Article</p> <p>100-2</p>									
<p><b>001-11</b></p> 	<p>Screw for tool holders 100BH3-1xxR-6, 100BH3-1xxL-6, 100BH3-1xxR-8 and 100BH3-1xxL-8 Schraube für Werkzeughalter 100BH3-1xxR-6, 100BH3-1xxL-6, 100BH3-1xxR-8 und 100BH3-1xxL-8 Vis pour porte-outils 100BH3-1xxR-6, 100BH3-1xxL-6, 100BH3-1xxR-8 et 100BH3-1xxL-8</p> <p>M3,5 x 11,5</p>			<p>Article nr. Artikel Nr. N° Article</p> <p>001-11</p>									

Blank  
 Rohling  
 Ebauche

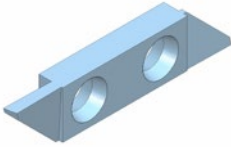
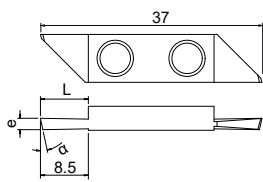
L/R : Left or right machining  
 L/R : Linke oder rechte Bearbeitung  
 L/R : Usinage à gauche ou à droite

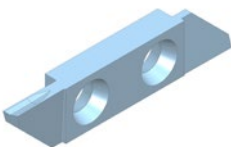
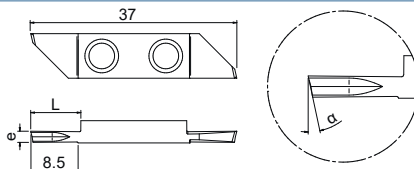
715R/L 4 mm	Standard blank insert 4 mm (left and right) Standard Rohling 4 mm (links und rechts) Plaquette ébauche standard 4 mm (gauche et droite)	Article nr. Artikel Nr. N° Article	K20
		715R/L  Use with 100BH3-1xxL or 100BH3-1xxR tool holders Verwendung mit 100BH3-1xxL oder 100BH3-1xxR W.-halter Utilisation avec les porte-outils 100BH3-1xxL ou 100BH3-1xxR	✓
715R/L-6 6 mm	Blank insert 6 mm (left and right) Rohling 6 mm (links und rechts) Plaquette ébauche 6 mm (gauche et droite)	Article nr. Artikel Nr. N° Article	K20
		715R/L-6  Use with 100BH3-1xxL-6 or 100BH3-1xxR-6 tool holders Verwendung mit 100BH3-1xxL-6 oder 100BH3-1xxR-6 W.-halter Utilisation avec les porte-outils 100BH3-1xxL-6 ou 100BH3-1xxR-6	✓
715R/L-8 8 mm	Blank insert 8 mm (left and right) Rohling 8 mm (links und rechts) Plaquette ébauche 8 mm (gauche et droite)	Article nr. Artikel Nr. N° Article	K20
		715R/L-8  Use with 100BH3-1xxL-8 or 100BH3-1xxR-8 tool holders Verwendung mit 100BH3-1xxL-8 oder 100BH3-1xxR-8 W.-halter Utilisation avec les porte-outils 100BH3-1xxL-8 ou 100BH3-1xxR-8	✓

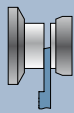


Guide bush cut off  $\varnothing$  16 mm  
Abstechen an der Führungsbüchse  $\varnothing$  16 mm  
Tronçonnage côté canon  $\varnothing$  16 mm

R : Right machining  
R : Rechte Bearbeitung  
R : Usinage à droite

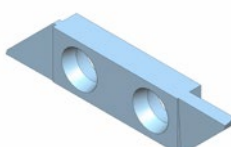
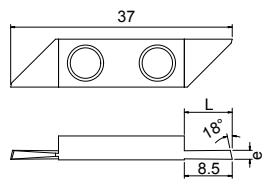
718Ra	Cutting insert Abstechplatte Tronçonneur	e	L	$\alpha$	Article nr. Artikel Nr. N° Article	Bi90	TiN
		1,0	7,0	18°	718Ra1,0	✓	✓
		1,2	7,0	18°	718Ra1,2	✓	✓
		1,5	8,0	18°	718Ra1,5	✓	✓
		1,8	8,0	18°	718Ra1,8	✓	✓
		2,0	8,0	12°	718Ra2,0	✓	✓
		2,5	8,0	12°	718Ra2,5	✓	✓
		3,0	8,0	12°	718Ra3,0	✓	✓

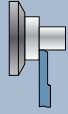
718RRC	Cutting insert with chip roller Abstechplatte mit Spanroller Tronçonneur avec roule-copeau	e	L	$\alpha$	Article nr. Artikel Nr. N° Article	Bi90	TiN
		1,5	7,0	18°	718RRC1,5	✓	✓
		2,0	9,0	12°	718RRC2,0	✓	✓
		2,5	9,0	12°	718RRC2,5	✓	✓
		3,0	9,0	12°	718RRC3,0	✓	✓



Sub spindle cut off  $\varnothing$  16 mm  
Abstechen an der Abgreifzange  $\varnothing$  16 mm  
Tronçonnage côté prise de pièce  $\varnothing$  16 mm

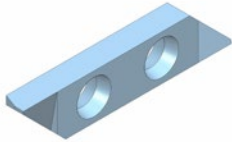
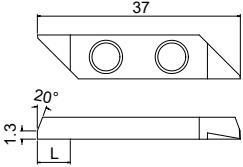
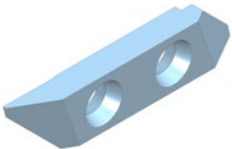
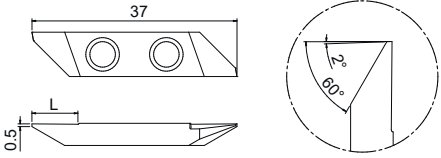
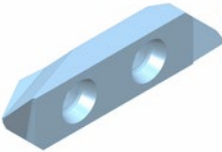
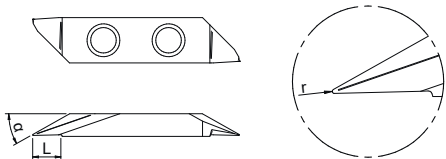
R : Right machining  
R : Rechte Bearbeitung  
R : Usinage à droite

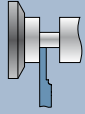
718La-op	Opposite cutting insert 18° Umgekehrte Abstechplatte 18° Tronçonneur inversé 18°	e	L	Article nr. Artikel Nr. N° Article	Bi90	TiN
		1,0	6,0	718La-op-1,0 - 18° -	✓	
		1,2	7,0	718La-op-1,2 - 18° -	✓	✓
		1,5	8,0	718La-op-1,5 - 18° -	✓	✓
		1,8	8,0	718La-op-1,8 - 18° -	✓	✓
		2,0	8,0	718La-op-2,0 - 18° -	✓	✓
		2,5	8,0	718La-op-2,5 - 18° -	✓	✓
		3,0	8,0	718La-op-3,0 - 18° -	✓	✓
<p>Use with 100BH3-1xxL tool holders Verwendung mit 100BH3-1xxL Werkzeughalter Utilisation avec les porte-outils 100BH3-1xxL</p>						



Front turning  
 Drehen vor dem Bund  
 Tournage avant

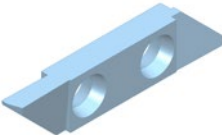
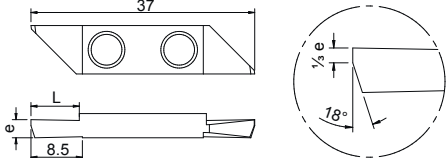
R : Right machining  
 R : Rechte Bearbeitung  
 R : Usinage à droite

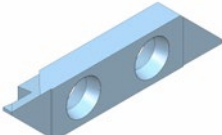
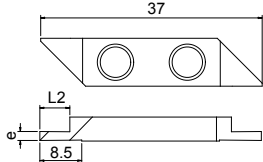
716Ra	Front turning insert Drehplatte vorne Tourneur avant	L	Article nr. Artikel Nr. N° Article	Bi90	TiN															
		8,5	716Ra	✓	✓															
		8,5	716Ra0,5	✓	✓															
		L	<table border="1"> <thead> <tr> <th data-bbox="951 1048 994 1126">L</th> <th data-bbox="999 1048 1042 1126"><math>\alpha</math></th> <th data-bbox="1046 1048 1090 1126">r</th> <th data-bbox="1094 1048 1369 1126">Article nr. Artikel Nr. N° Article</th> <th data-bbox="1374 1048 1417 1126">Bi90</th> </tr> </thead> <tbody> <tr> <td data-bbox="951 1133 994 1155">6,5</td> <td data-bbox="999 1133 1042 1155">29°</td> <td data-bbox="1046 1133 1090 1155">0,08</td> <td data-bbox="1094 1133 1369 1155">767R - 29° - r 0,08 -</td> <td data-bbox="1374 1133 1417 1155">✓</td> </tr> <tr> <td data-bbox="951 1162 994 1184">6,5</td> <td data-bbox="999 1162 1042 1184">29°</td> <td data-bbox="1046 1162 1090 1184">0,15</td> <td data-bbox="1094 1162 1369 1184">767R - 29° - r 0,15 -</td> <td data-bbox="1374 1162 1417 1184">✓</td> </tr> </tbody> </table>	L	$\alpha$	r	Article nr. Artikel Nr. N° Article	Bi90	6,5	29°	0,08	767R - 29° - r 0,08 -	✓	6,5	29°	0,15	767R - 29° - r 0,15 -	✓		
L	$\alpha$	r	Article nr. Artikel Nr. N° Article	Bi90																
6,5	29°	0,08	767R - 29° - r 0,08 -	✓																
6,5	29°	0,15	767R - 29° - r 0,15 -	✓																

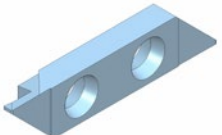
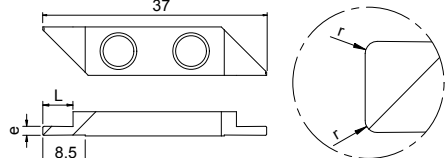


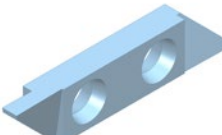
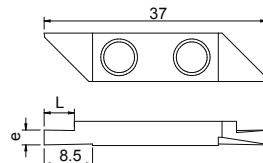
Back turning  
Drehen hinten  
Tournage arrière

R : Right machining  
R : Rechte Bearbeitung  
R : Usinage à droite

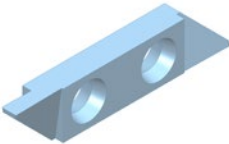
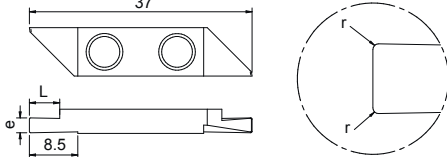
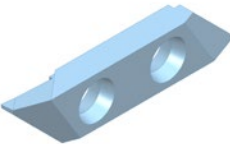
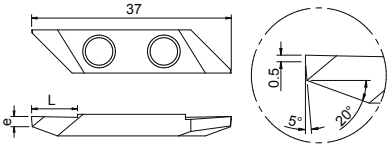
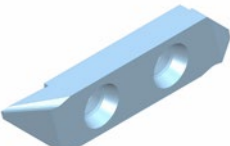
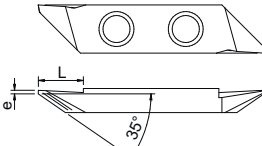
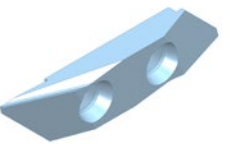
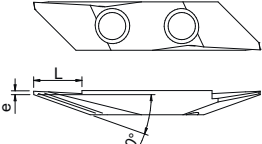
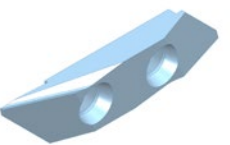
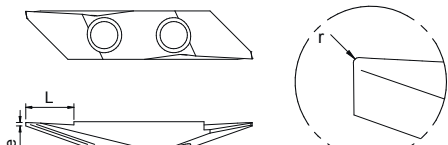
717Ra	Back turning Hinten Drehplatte Tourneur arrière	e	L	Article nr. Artikel Nr. N° Article	BI90
		1,0	5,0	717Ra1,0	✓
		1,5	5,0	717Ra1,5	✓
		2,0	6,0	717Ra2,0	✓
		2,5	8,0	717Ra2,5	✓
		3,0	8,0	717Ra3,0	✓

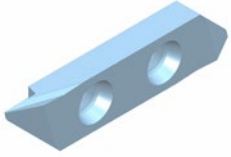
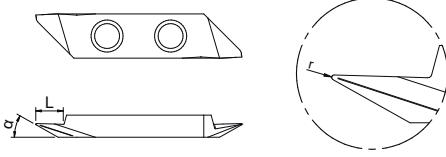
717RaX	Back turning insert with «parisian cut» Hinten Drehplatte mit «Pariserschliff» Tourneur arrière avec «coupe parisienne»	e	L	Article nr. Artikel Nr. N° Article	BI90	TIN
		0,5	2,0	717RaX0,5	✓	✓
		0,8	2,0	717RaX0,8	✓	✓
		1,0	3,0	717RaX1,0	✓	✓
		1,5	4,0	717RaX1,5	✓	✓
		2,0	5,0	717RaX2,0	✓	✓
		2,5	5,0	717RaX2,5	✓	✓
		3,0	6,0	717RaX3,0	✓	✓
		3,9	6,0	717RaX3,9	✓	✓

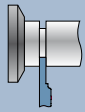
717RaX - r	Back turning insert with «parisian cut» and radius Hinten Drehplatte mit «Pariserschliff» und Radius Tourneur arrière avec «coupe parisienne» et rayon	e	L	r	Article nr. Artikel Nr. N° Article	BI90	TIN
		1,0	3,0	0,1	717RaX1,0 - r 0,1 -	✓	✓
		1,0	3,0	0,2	717RaX1,0 - r 0,2 -	✓	✓
		1,5	4,0	0,1	717RaX1,5 - r 0,1 -	✓	✓
		1,5	4,0	0,2	717RaX1,5 - r 0,2 -	✓	✓
		2,0	5,0	0,1	717RaX2,0 - r 0,1 -	✓	✓
		2,0	5,0	0,2	717RaX2,0 - r 0,2 -	✓	✓
		2,0	5,0	0,4	717RaX2,0 - r 0,4 -	✓	✓
		2,5	5,0	0,1	717RaX2,5 - r 0,1 -	✓	✓
		2,5	5,0	0,2	717RaX2,5 - r 0,2 -	✓	✓
		2,5	5,0	0,4	717RaX2,5 - r 0,4 -	✓	✓
		3,0	6,0	0,1	717RaX3,0 - r 0,1 -	✓	✓
		3,0	6,0	0,2	717RaX3,0 - r 0,2 -	✓	✓
		3,0	6,0	0,4	717RaX3,0 - r 0,4 -	✓	✓

717RO	Back turning insert Hinten Drehplatte Tourneur arrière	e	L	Article nr. Artikel Nr. N° Article	BI90	TIN
		1,0	4,0	717RO1,0	✓	✓
		1,5	4,0	717RO1,5	✓	✓
		2,0	5,0	717RO2,0	✓	✓
		2,5	5,0	717RO2,5	✓	✓
		3,0	6,0	717RO3,0	✓	✓



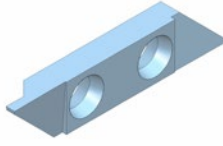
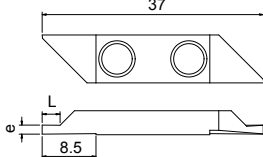
<b>717RO - r</b>		<b>Back turning insert with radius</b> <b>Hinten Drehplatte mit Radien</b> <b>Tourneur arrière avec rayons</b>	e	L	r	Article nr. Artikel Nr. N° Article	BI90	TIN
			1,0	4,0	0,1	717RO1,0 - r 0,1	✓	✓
			1,5	4,0	0,1	717RO1,5 - r 0,1	✓	✓
			1,5	4,0	0,2	717RO1,5 - r 0,2	✓	✓
			2,0	5,0	0,1	717RO2,0 - r 0,1	✓	✓
			2,0	5,0	0,2	717RO2,0 - r 0,2	✓	✓
			2,5	5,0	0,1	717RO2,5 - r 0,1	✓	✓
			2,5	5,0	0,2	717RO2,5 - r 0,2	✓	✓
			3,0	6,0	0,2	717RO3,0 - r 0,2	✓	✓
<b>719RaX</b>		<b>Back turning insert with «parisian cut»</b> <b>Drehplatte hinten mit «Pariserschliff»</b> <b>Tourneur arrière avec «coupe parisienne»</b>	e	L		Article nr. Artikel Nr. N° Article	BI90	TIN
			1,9	8,5		719RaX	✓	✓
<b>763R</b>		<b>Back turning insert 35° with chip roller</b> <b>Drehplatte hinten 35° mit Spanroller</b> <b>Tourneur arrière 35° avec roule-copeau</b>	e	L		Article nr. Artikel Nr. N° Article	BI90	
			0,6	7,5		763R0,6	✓	
<b>763Rb</b>		<b>Back turning insert 20° with chip roller</b> <b>Drehplatte hinten 20° mit Spanroller</b> <b>Tourneur arrière 20° avec roule-copeau</b>	e	L		Article nr. Artikel Nr. N° Article	BI90	
			0,6	7,5		763Rb0,6 - 20° -	✓	
<b>763Rb - r</b>		<b>Back turning insert 20° with chip roller and radius</b> <b>Drehplatte hinten 20° mit Spanroller und Radius</b> <b>Tourneur arrière 20° avec roule-copeau et rayon</b>	e	L	r	Article nr. Artikel Nr. N° Article	BI90	
			0,6	7,5	0,05	763Rb0,6 - 20° - r 0,05	✓	

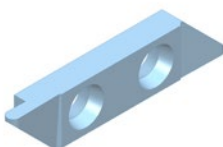
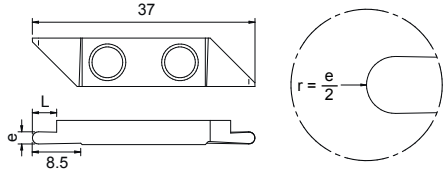
763R - 29° - r	Back turning insert 29° with chip breaker and radius Drehplatte hinten 29° mit Spanbrecher und Radius Tourneur arrière 29° avec brise-copeau et rayon	L	$\alpha$	r	Article nr. Artikel Nr. N° Article	BI90
		6,5	29°	0,08	763R - 29° - r 0,08 -	✓
		6,5	29°	0,15	763R - 29° - r 0,15 -	✓

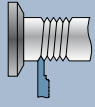


**Grooving**  
Einstechen  
Rainurage

R : Right machining  
R : Rechte Bearbeitung  
R : Usinage à droite

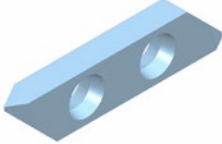
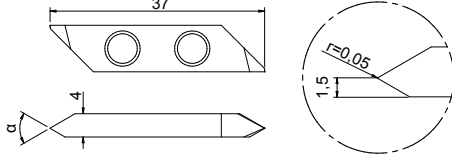
752R	Grooving insert Einstechplatte Plaque de rainurage	e	L	Article nr. Artikel Nr. N° Article	BI90	TiN
		0,3	1,5	752R0,3	✓	
		0,4	1,5	752R0,4	✓	
		0,45	2,0	752R0,45	✓	
		0,5	2,0	752R0,5	✓	
		0,55	2,0	752R0,55	✓	
		0,6	2,0	752R0,6	✓	
		0,65	2,0	752R0,65	✓	✓
		0,7	2,0	752R0,7	✓	
		0,75	2,0	752R0,75	✓	
		0,8	2,0	752R0,8	✓	
		0,9	2,5	752R0,9	✓	
		0,95	2,5	752R0,95	✓	
		1,0	3,5	752R1,0	✓	
		1,1	3,5	752R1,1	✓	
		1,2	3,5	752R1,2	✓	
		1,3	3,5	752R1,3	✓	
1,5	4,0	752R1,5	✓			
2,0	4,0	752R2,0	✓			

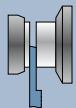
771R	Grooving insert with radius Einstechplatte mit Radius Plaque de rainurage avec rayon	e	L	r	Article nr. Artikel Nr. N° Article	BI90
		0,5	2,0	0,25	771R0,5 - r 0,25	✓
		0,7	3,0	0,35	771R0,7 - r 0,35	✓
		0,8	3,0	0,4	771R0,8 - r 0,4	✓
		1,0	4,0	0,5	771R1,0 - r 0,5	✓
		2,0	6,0	1,0	771R2,0 - r 1,0	✓



## Threading Gewindestrehlen Filetage

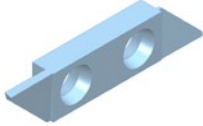
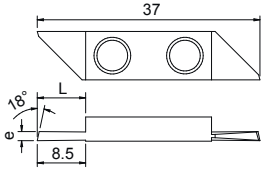
R : Right machining  
R : Rechte Bearbeitung  
R : Usinage à droite

753Ra	Threading Gewindestrehlen Filetage	$\alpha$	Article nr. Artikel Nr. N° Article	BI90	TIN
		55°	753Ra - 55° -	✓	✓
		60°	753Ra - 60° -	✓	
		90°	753Ra - 90° -	✓	



## Sub spindle cut off $\varnothing$ 16 mm Abstechen an der Abgreifzange $\varnothing$ 16 mm Tronçonnage côte prise de pièce $\varnothing$ 16 mm

L : Left machining  
L : Linke Bearbeitung  
L : Usinage à gauche

718Ra-op	Opposite cutting insert 18° Umgekehrte Abstechplatte 18° Tronçonneur inversé 18°	e	L	Article nr. Artikel Nr. N° Article	BI90	TIN
		1,5	8,0	718Ra-op-1,5	✓	✓
		2,0	8,0	718Ra-op-2,0	✓	✓
		2,5	8,0	718Ra-op-2,5	✓	✓
Use with 100BH3-1xxR tool holders Verwendung mit 100BH3-1xxR Werkzeughalter Utilisation avec les porte-outils 100BH3-1xxR						

Other geometries available on request  
 Andere Geometrien auf Anfrage erhältlich  
 Autres géométries disponibles sur demande



Represented by    Vertreten durch    Représenté par

