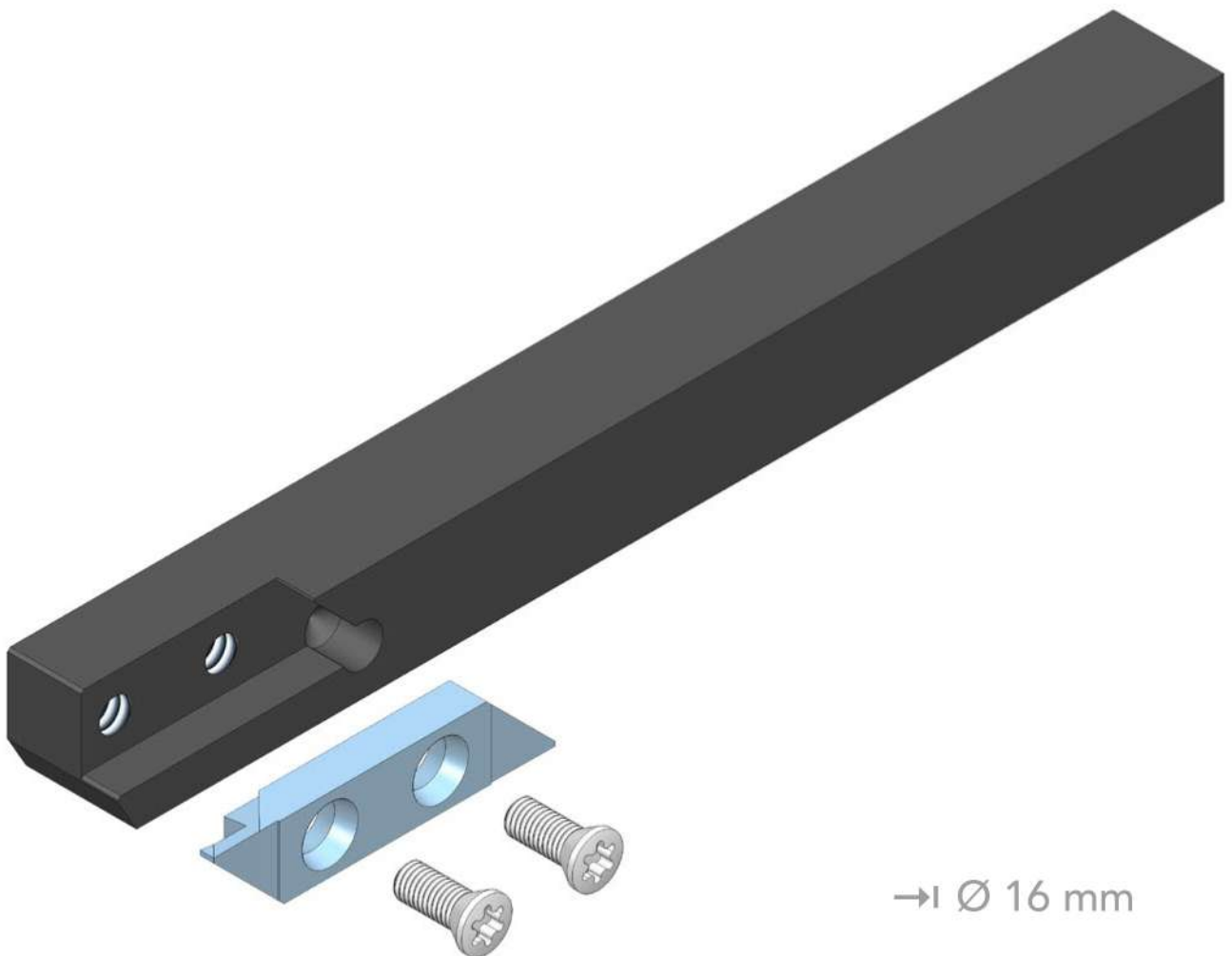


700ライン



Coating of inserts




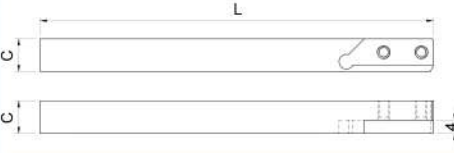

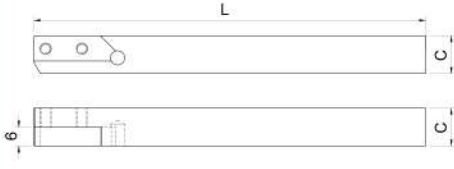

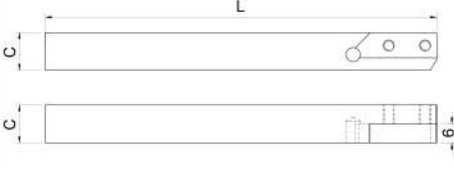
Beschichtung der Wendeplatten


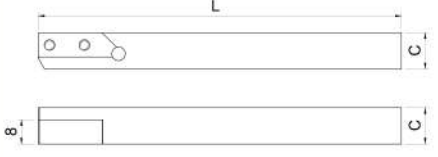






インサートのコーティング

- ✓ = Available
- ✓ = Verfügbar
- ✓ = 利用可能

Designation Bezeichnung 名称	Description Beschreibung 説明
K20	<p>Without coating K20 carbide</p> <p>Ohne Beschichtung K20 Hartmetall</p> <p>コーティング無し K20 超硬</p>
BI90	<p>AlTiN-based</p> <ul style="list-style-type: none"> • Universal coating. • Good oxidation resistance. • High heat resistance. • Suitable for steel and stainless steel. <p>AlTiN-Basis</p> <ul style="list-style-type: none"> • Universalbeschichtung. • Gute Oxidationsbeständigkeit. • Hohe Hitzebeständigkeit. • Ideal für Stahl und Edelstahl. <p>AlTiN系</p> <ul style="list-style-type: none"> ・汎用コーティング ・優れた耐酸化性 ・高い耐熱性 ・鋼及びステンレス鋼に最適
BI110	<p>AlTiCrN-based</p> <ul style="list-style-type: none"> • Very smooth surface finish. • High heat resistance. • High wear resistance. • Especially suitable for machining pure copper, CuBe, CoCr and aluminium. <p>AlTiCrN-Basis</p> <ul style="list-style-type: none"> • Sehr glatte Oberfläche. • Hohe Hitzebeständigkeit. • Hohe Verschleissfestigkeit. • Besonders geeignet für die Bearbeitung von reinem Kupfer, CuBe, CoCr und Aluminium. <p>AlTiCrN系</p> <ul style="list-style-type: none"> ・非常に滑らかな表面仕上げ ・高い耐熱性 ・高い耐摩耗性 ・特に純銅、CuBe、CoCr、アルミニウムの加工に最適

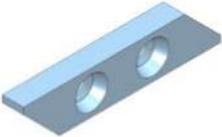
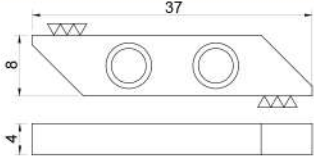
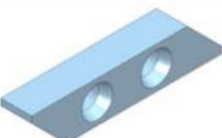
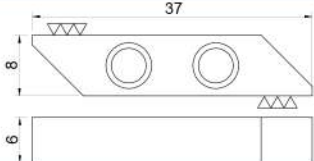
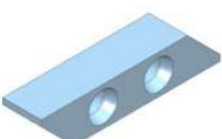
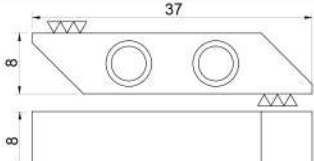
Designation Bezeichnung 名称	Description Beschreibung 説明
TIN	TiN <ul style="list-style-type: none">• Universal coating. TiN <ul style="list-style-type: none">• Universalbeschichtung. TiN系 <ul style="list-style-type: none">・汎用コーティング

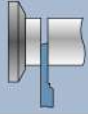
100BH3-1xxR	Right tool holder Werkzeughalter rechts 右ツールホルダー	Section C Querschnitt C 部分 C	Length L Länge L 長さ L	Article nr. Artikel Nr. 品目 No.
		10 x 10	120	100BH3-110R
		12 x 12	120	100BH3-112R
		14 x 14	150	100BH3-114R
		16 x 16	120	100BH3-116R
		20 x 20	120	100BH3-120R
		25 x 25	100	100BH3-125R
100BH3-1xxL	Left tool holder Werkzeughalter links 左ツールホルダー	Section C Querschnitt C 部分 C	Length L Länge L 長さ L	Article nr. Artikel Nr. 品目 No.
		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 6 mmインサート用右ツールホルダー	Section C Querschnitt C 部分 C	Length L Länge L 長さ L	Article nr. Artikel Nr. 品目 No.
		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
				<i>Use only with 715R/L-6 inserts Verwendung nur mit 715R/L-6 Wendepplatten 715R/L-6インサートとのみ使用</i>
100BH3-1xxL-6	Left tool holder for 6 mm inserts Werkzeughalter links für 6 mm Wendepplatten 6 mmインサート用左ツールホルダー	Section C Querschnitt C 部分 C	Length L Länge L 長さ L	Article nr. Artikel Nr. 品目 No.
		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
				<i>Use only with 715R/L-6 inserts Verwendung nur mit 715R/L-6 Wendepplatten 715R/L-6インサートとのみ使用</i>

100BH3-1xxR-8 	Right tool holder for 8 mm inserts Werkzeughalter rechts für 8 mm Wendepplatten 8 mmインサート用右ツールホルダー 	Section C Querschnitt C 部分 C	Length L Länge L 長さ L	Article nr. Artikel Nr. 品目 No. 12 x 12 120 100BH3-112R-8 16 x 16 120 100BH3-116R-8 20 x 20 120 100BH3-120R-8 <i>Use only with 715R/L-8 inserts</i> <i>Verwendung nur mit 715R/L-8 Wendepplatten</i> 715R/L-8インサートとのみ使用
100BH3-1xxL-8 	Left tool holder for 8 mm inserts Werkzeughalter links für 8 mm Wendepplatten 8 mmインサート用左ツールホルダー 	Section C Querschnitt C 部分 C	Length L Länge L 長さ L	Article nr. Artikel Nr. 品目 No. 12 x 12 120 100BH3-112L-8 16 x 16 120 100BH3-116L-8 <i>Use only with 715R/L-8 inserts</i> <i>Verwendung nur mit 715R/L-8 Wendepplatten</i> 715R/L-8インサートとのみ使用
Cylindrical turning tool holders for counter-operation Zylindrische Drehwerkzeughalter zur Rückseitenbearbeitung 背面加工用円筒旋削ツールホルダー  <p>See the «Cylindrical turning tool holders» documentation for further information. Siehe die «Zylindrische Drehwerkzeughalter» Dokumentation für weitere Informationen. 詳細については、「円筒旋削ツールホルダー」のカタログを参照して下さい。</p>				
100-1 	Key Schlüssel キー Torx 15			Article nr. Artikel Nr. 品目 No. 100-1
100-2 	Screw for standard tool holders 100BH3-1xxR and 100BH3-1xxL Schraube für standard Werkzeughalter 100BH3-1xxR und 100BH3-1xxL 標準ツールホルダー用ネジ 100BH3-1xxR & 100BH3-1xxL M3,5 x 9			Article nr. Artikel Nr. 品目 No. 100-2
001-11 	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 ツールホルダー用ネジ 100BH3-1xxR-6, 100BH3-1xxL-6, 100BH3-1xxR-8 & 100BH3-1xxL-8 M3,5 x 11,5			Article nr. Artikel Nr. 品目 No. 001-11

Blank
Rohling
ブランク

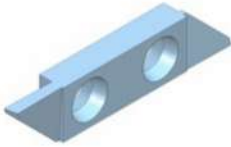
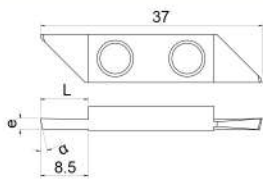
L/R : Left or right machining
L/R : Linke oder rechte Bearbeitung
L/R : 左又は右加工

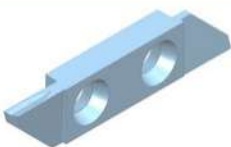
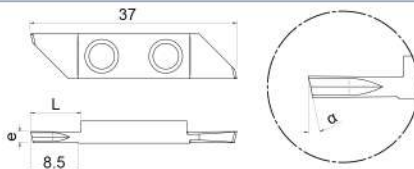
715R/L 4 mm	Standard blank insert 4 mm (left and right) Standard Rohling 4 mm (links und rechts) 標準ブランクインサート 4 mm(左・右)	Article nr. Artikel Nr. 品目 No.	K20
		715R/L <i>Use with 100BH3-1xxL or 100BH3-1xxR tool holders</i> <i>Verwendung mit 100BH3-1xxL oder 100BH3-1xxR W.-halter</i> ツールホルダー 100BH3-1xxL又は100BH3-1xxRと一緒に使用	✓
715R/L-6 6 mm	Blank insert 6 mm (left and right) Rohling 6 mm (links und rechts) ブランクインサート 6 mm(左・右)	Article nr. Artikel Nr. 品目 No.	K20
		715R/L-6 <i>Use with 100BH3-1xxL-6 or 100BH3-1xxR-6 tool holders</i> <i>Verwendung mit 100BH3-1xxL-6 oder 100BH3-1xxR-6 W.-halter</i> ツールホルダー 100BH3-1xxL-6又は100BH3-1xxR-6と一緒に使用	✓
715R/L-8 8 mm	Blank insert 8 mm (left and right) Rohling 8 mm (links und rechts) ブランクインサート 8 mm(左・右)	Article nr. Artikel Nr. 品目 No.	K20
		715R/L-8 <i>Use with 100BH3-1xxL-8 or 100BH3-1xxR-8 tool holders</i> <i>Verwendung mit 100BH3-1xxL-8 oder 100BH3-1xxR-8 W.-halter</i> ツールホルダー 100BH3-1xxL-8又は100BH3-1xxR-8と一緒に使用	✓

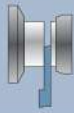


Guide bush cut off \varnothing 16 mm
 Abstechen an der Führungsbüchse \varnothing 16 mm
 ガイドブッシュ 突っ切り \varnothing 16 mm

R : Right machining
 R : Rechte Bearbeitung
 R : 右加工

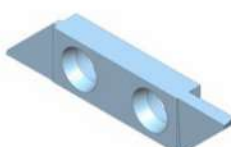
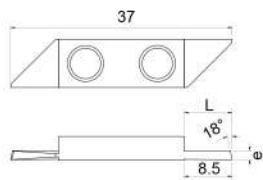
718Ra	Cutting insert Abstechplatte 切削インサート	e	L	α	Article nr. Artikel Nr. 品目 No.	Bi90	TiN
		1,0	7,0	18°	718Ra1,0	✓	✓
		1,2	7,0	18°	718Ra1,2	✓	✓
		1,5	8,0	18°	718Ra1,5	✓	✓
		1,8	8,0	18°	718Ra1,8	✓	✓
		2,0	8,0	12°	718Ra2,0	✓	✓
		2,5	8,0	12°	718Ra2,5	✓	✓
		3,0	8,0	12°	718Ra3,0	✓	✓

718RRC	Cutting insert with chip roller Abstechplatte mit Spanroller 切削インサート(チップローラー)	e	L	α	Article nr. Artikel Nr. 品目 No.	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
 サブスピンドル 突っ切り \varnothing 16 mm

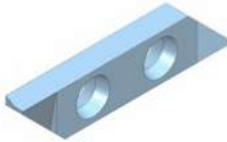
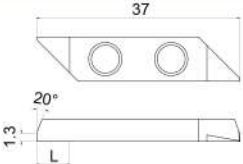
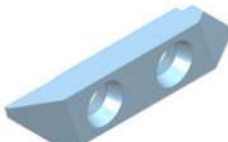
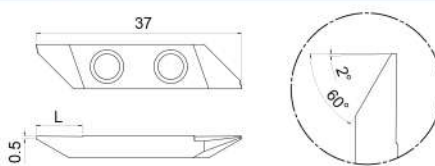
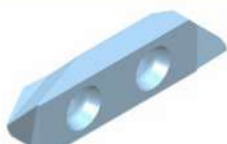
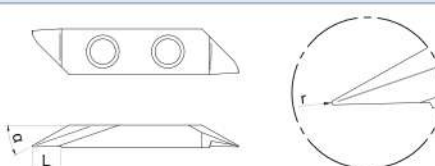
R : Right machining
 R : Rechte Bearbeitung
 R : 右加工

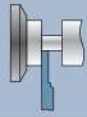
718La-op	Opposite cutting insert 18° Umgekehrte Abstechplatte 18° 対称切削インサート 18°	e	L	Article nr. Artikel Nr. 品目 No.	Bi90	TiN
		1,0	6,0	718La-op-1,0 - 18° -	✓	
		1,2	7,0	718La-op-1,2 - 18° -	✓	✓
		1,5	8,0	718La-op-1,5 - 18° -	✓	✓
		1,8	8,0	718La-op-1,8 - 18° -	✓	✓
		2,0	8,0	718La-op-2,0 - 18° -	✓	✓
		2,5	8,0	718La-op-2,5 - 18° -	✓	✓
		3,0	8,0	718La-op-3,0 - 18° -	✓	✓
Use with 100BH3-1xxL tool holders Verwendung mit 100BH3-1xxL Werkzeughalter ツールホルダー 100BH3-1xxLと一緒に使用						



Front turning
 Drehen vorne
 フロント旋削

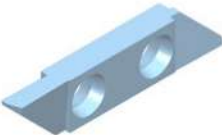
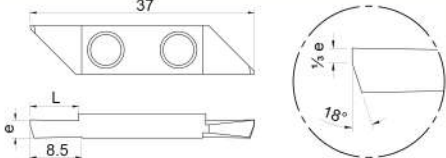
R : Right machining
 R : Rechte Bearbeitung
 R : 右加工

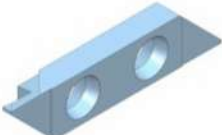
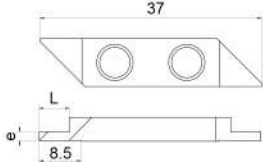
716Ra	Front turning insert Drehplatte vorne フロント旋削インサート	L	Article nr. Artikel Nr. 品目 No.	BI90	TIN	
		8,5	716Ra	✓	✓	
716Ra0,5	Front turning insert Drehplatte vorne フロント旋削インサート	L	Article nr. Artikel Nr. 品目 No.	BI90	TIN	
		8,5	716Ra0,5	✓	✓	
767R - 29° - r	Front turning insert 29° with chip breaker and radius Drehplatte vorne 29° mit Spanbrecher und Radius フロント旋削インサート 29° (チップブレーカー+半径)	L	α	r	Article nr. Artikel Nr. 品目 No.	BI90
		6,5	29°	0,08	767R - 29° - r 0,08 -	✓
		6,5	29°	0,15	767R - 29° - r 0,15 -	✓

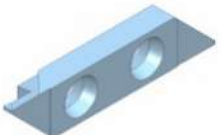
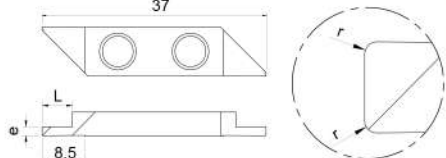


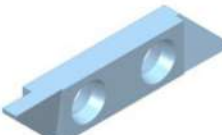
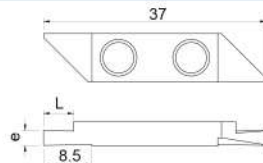
Back turning
Drehen hinten
バック旋削

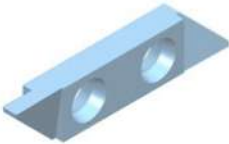
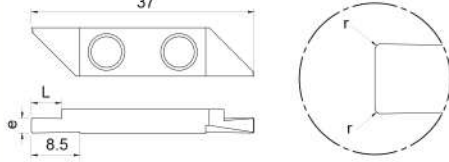

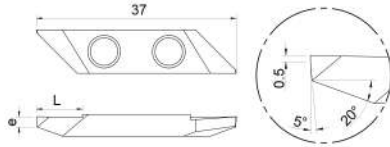
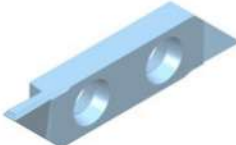
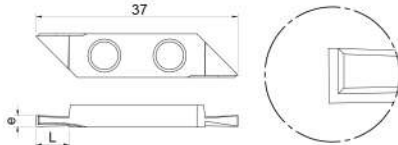
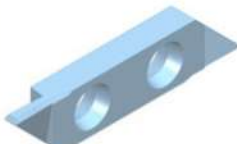
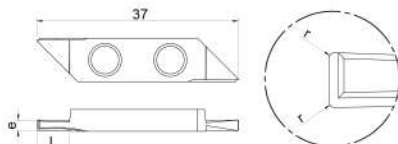
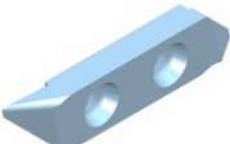
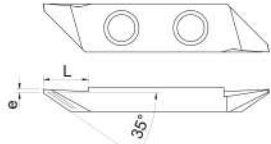
R : Right machining
R : Rechte Bearbeitung
R : 右加工

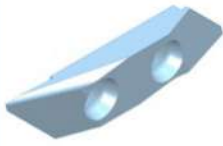
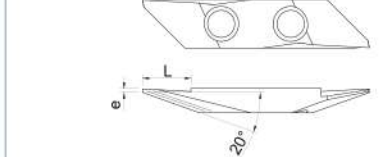
717Ra	Back turning Hinten Drehplatte バック旋削	e	L	Article nr. Artikel Nr. 品目 No.	BI90
		1,0	5,0	717Ra1,0	✓
		1,5	5,0	717Ra1,5	✓
		2,0	6,0	717Ra2,0	✓
		2,5	8,0	717Ra2,5	✓
		3,0	8,0	717Ra3,0	✓

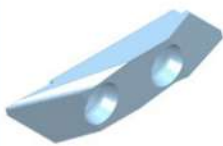
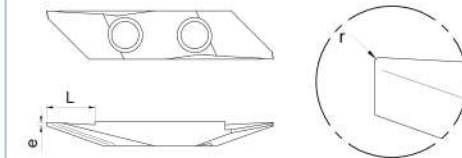
717RaX	Back turning insert with «parisian cut» Hinten Drehplatte mit «Pariserschliff» バック旋削インサート(《<<パリジャンカット>>)	e	L	Article nr. Artikel Nr. 品目 No.	BI90	TIN
		0,5	2,0	717RaX0,5	✓	✓
		0,8	2,0	717RaX0,8	✓	✓
		1,0	3,0	717RaX1,0	✓	✓
		1,5	4,0	717RaX1,5	✓	✓
		2,0	5,0	717RaX2,0	✓	✓
		2,5	5,0	717RaX2,5	✓	✓
		3,0	6,0	717RaX3,0	✓	✓
		3,9	6,0	717RaX3,9	✓	✓

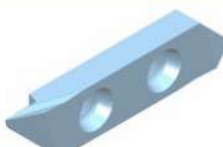
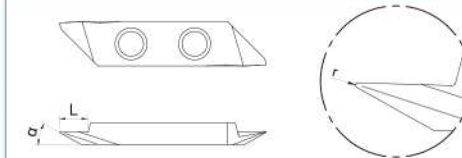
717RaX - r	Back turning insert with «parisian cut» and radii Hinten Drehplatte mit «Pariserschliff» und Radius バック旋削インサート(《<<パリジャンカット>>+半径)	e	L	r	Article nr. Artikel Nr. 品目 No.	BI90	TIN
		1,0	3,0	0,1	717RaX1,0 - r 0,1 -	✓	✓
		1,0	3,0	0,2	717RaX1,0 - r 0,2 -	✓	✓
		1,5	4,0	0,1	717RaX1,5 - r 0,1 -	✓	✓
		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 -	✓	✓

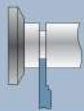
717RO	Back turning insert Hinten Drehplatte バック旋削インサート	e	L	Article nr. Artikel Nr. 品目 No.	BI90	TIN
		1,0	4,0	717RO1,0	✓	✓
		1,5	4,0	717RO1,5	✓	✓
		2,0	5,0	717RO2,0	✓	✓
		2,5	5,0	717RO2,5	✓	✓
		3,0	6,0	717RO3,0	✓	✓

717RO - r	Back turning insert with radii Hinten Drehplatte mit Radien バック旋削インサート(半径)	e	L	r	Article nr. Artikel Nr. 品目 No.	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	✓	✓
719RaX	Back turning insert with «parisian cut» Drehplatte hinten mit «Pariserschliff» バック旋削インサート(《パリジャンカット》)	e	L		Article nr. Artikel Nr. 品目 No.	BI90	TIN
		1,9	8,5		719RaX	✓	✓
760RX	Back turning insert with chip breaker Drehplatte hinten mit Spanbrecher バック旋削インサート(チップブレイカー)	e	L		Article nr. Artikel Nr. 品目 No.		BI110
		1,5	5,0		760RX1,5		✓
		2,0	6,0		760RX2,0		✓
		2,5	6,0		760RX2,5		✓
760RX - r	Back turning insert with chip breaker and radii Drehplatte hinten mit Spanbrecher und Radien バック旋削インサート(チップブレイカー+半径)	e	L	r	Article nr. Artikel Nr. 品目 No.		BI110
		1,5	5,0	0,1	760RX1,5 - r 0,1 -		✓
		2,0	6,0	0,1	760RX2,0 - r 0,1 -		✓
		2,0	6,0	0,2	760RX2,0 - r 0,2 -		✓
		2,5	6,0	0,1	760RX2,5 - r 0,1 -		✓
		2,5	6,0	0,2	760RX2,5 - r 0,2 -		✓
763R	Back turning insert 35° with chip roller Drehplatte hinten 35° mit Spanroller バック旋削インサート 35° (チップローラー)	e	L		Article nr. Artikel Nr. 品目 No.		BI90
		0,6	7,5		763R0,6		✓

763Rb	Back turning insert 20° with chip roller Drehplatte hinten 20° mit Spanroller バック旋削インサート 20° (チップローラー)	e	L	Article nr. Artikel Nr. 品目 No.	BI90
				0,6	

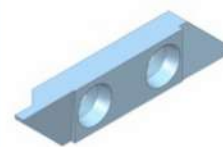
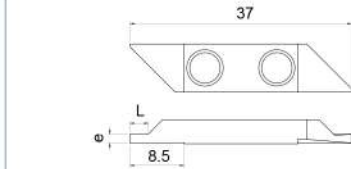
763Rb - r	Back turning insert 20° with chip roller and radius Drehplatte hinten 20° mit Spanroller und Radius バック旋削インサート 20° (チップローラー+半径)	e	L	r	Article nr. Artikel Nr. 品目 No.	BI90
				0,6	7,5	

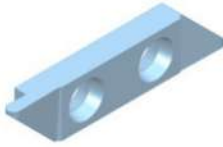
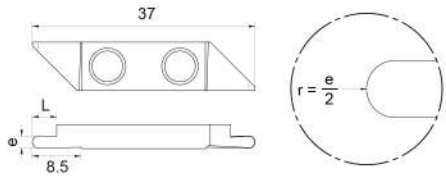
763R - 29° - r	Back turning insert 29° with chip breaker and radius Drehplatte hinten 29° mit Spanbrecher und Radius バック旋削インサート 29° (チップブレーカー+半径)	L	α	r	Article nr. Artikel Nr. 品目 No.	BI90		
			6,5	29°	0,08		763R - 29° - r 0,08 -	✓
			6,5	29°	0,15		763R - 29° - r 0,15 -	✓

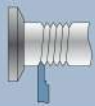


Grooving
Einstecken
溝入れ

R : Right machining
R : Rechte Bearbeitung
R : 右加工

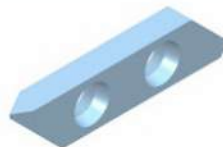
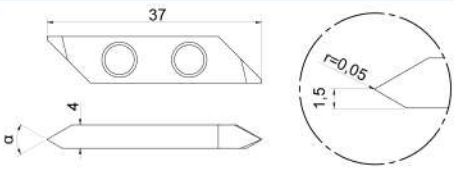
752R	Grooving insert Einsteckplatte 溝入れインサート	e	L	Article nr. Artikel Nr. 品目 No.	BI90	TIN
				0,3		
		0,4	1,5	752R0,4	✓	
		0,45	2,0	752R0,45	✓	
		0,5	2,0	752R0,5	✓	
		0,55	2,0	752R0,55	✓	
		0,6	2,0	752R0,6	✓	
		0,65	2,0	752R0,65	✓	✓
		0,7	2,0	752R0,7	✓	
		0,75	2,0	752R0,75	✓	
		0,8	2,0	752R0,8	✓	
		0,9	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 溝入れインサート(半径)	e	L	r	Article nr. Artikel Nr. 品目 No.	BI90
		0,4	1,5	0,2	771R0,4 - r 0,2	✓
		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	✓
		1,2	4,0	0,6	771R1,2 - r 0,6	✓
		1,5	4,0	0,75	771R1,5 - r 0,75	✓
		2,0	6,0	1,0	771R2,0 - r 1,0	✓
		2,5	6,0	1,25	771R2,5 - r 1,25	✓
		3,0	6,0	1,5	771R3,0 - r 1,5	✓



Threading
Gewindestrehlen
ねじ切り


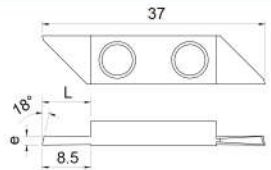
R : Right machining
R : Rechte Bearbeitung
R : 右加工

753Ra	Threading Gewindestrehlen ねじ切り	α	Article nr. Artikel Nr. 品目 No.	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
サブスピンドル 突っ切り \varnothing 16 mm

L : Left machining
L : Linke Bearbeitung
L : 左加工

718Ra-op	Opposite cutting insert 18° Umgekehrte Abstechplatte 18° 対称切削インサート 18°	e	L	Article nr. Artikel Nr. 品目 No.	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 100BH3-1xxR ツールホルダーと併用		

Other geometries available on request
Andere Geometrien auf Anfrage erhältlich

その他の形状も要望に応じて提供



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