IN-Line



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CUTTING TOOLS

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Kodifizierung
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Infos und Vorteile
Infos and advantages > 12.06

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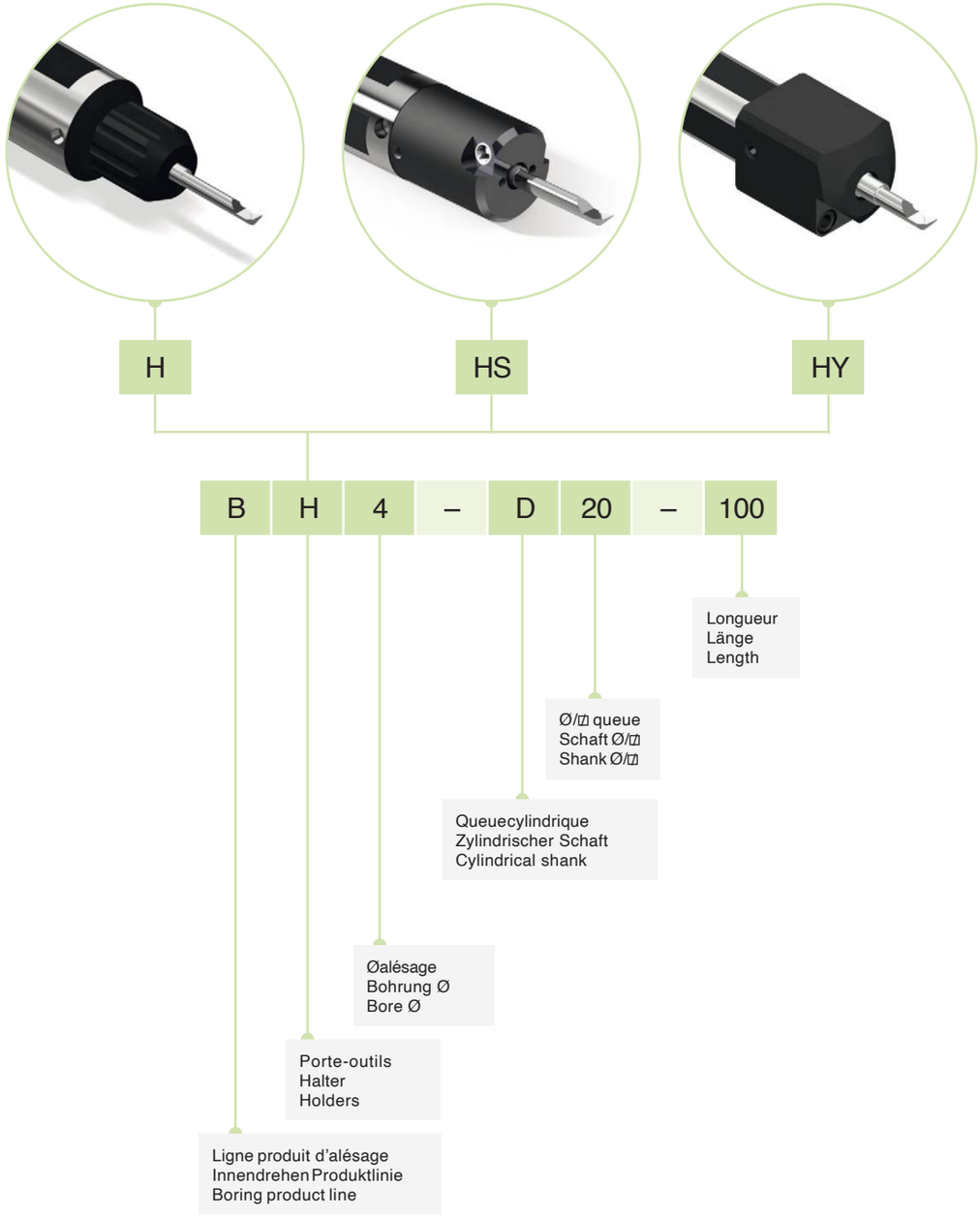
Fonçage-tournage
Einstechen und drehen
Grooving and turning
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Zurück zum Kapitelanfang





HK

B | HK | 4 | N | – | 20 | – | 32R

- Ligne produit d'alésage / Innendrehen Produktlinie / Boring product line
- Porte-outils / Halter / Holders
- Øalésage / Bohrung Ø / Bore Ø
- Géométrie du porte-outil / Haltergeometrie / Tool holder geometry
- ⎅ queue / Schaft ⎅ / Shank ⎅
- Barres d'alésage compatibles (longueur L3) / Kompatible Bohrstangen (Länge L3) / Compatible boring bars (length L3)





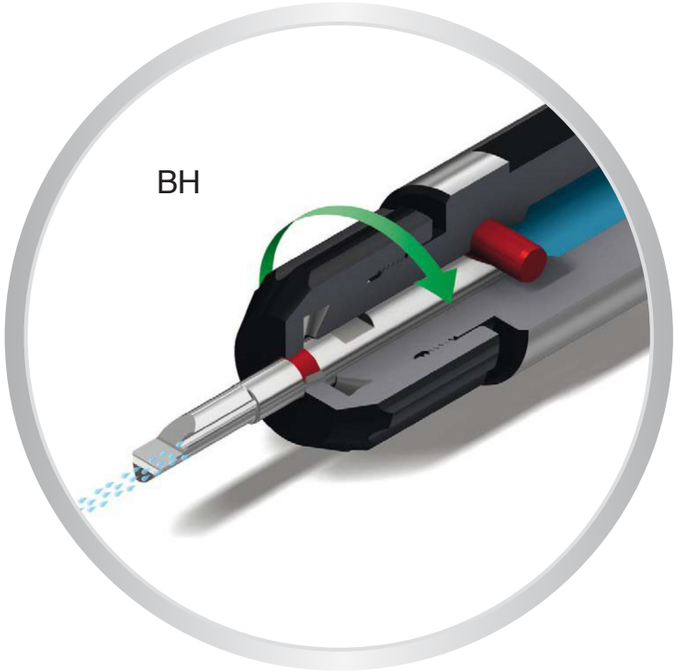
B | Arrosage intégré / Intergrieter Kühlmittelzufuhr / Integrated coolant supply

F | Sans arrosage / Ohne Kühlung / Without coolant

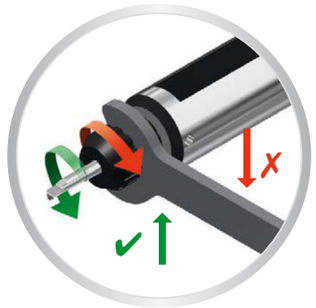
B | B / F (Ou / Oder / Or) | 4 | R | – | 25 | – | 75 | – | BAX | – | R05 | – | ZN

- Ligne produit d'alésage / Innendrehen Produktlinie / Boring product line
- Øqueue / Schaft Ø / Shank Ø
- Exécution R/L / Ausführung R/L / Execution R/L
- Øminimum / Minimal Ø / Minimum Ø
- Longueur utile / Nutzlänge / Length
- Géométries de coupe / Schneidgeometrien / Cutting geometries
- Indication complémentaire / Zusätzliche Angabe / Additional indication
  R = rayon / Radius / radius
- Nuance / Sorte / Grade

Arrosage par la barre d'alésage
Kühlung durch die Bohrstange
Cooling through the boring bar

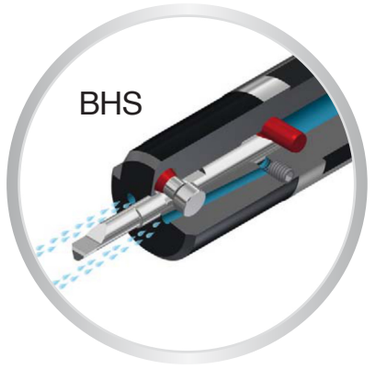




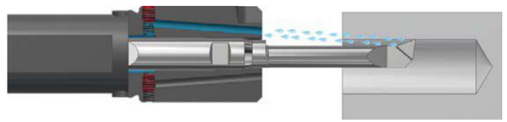


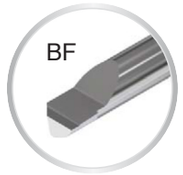
Zurück zum Kapitelanfang

Système de serrage à vis transversale
Querverschraubungsspannsystem
Clamping system with transverse screw



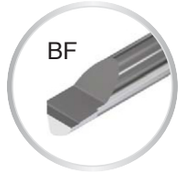
Arrosage sur l'arête de coupe
Kühlung auf der Schneidkante
Cooling on the cutting edge



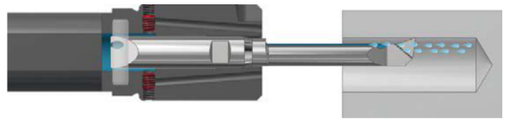


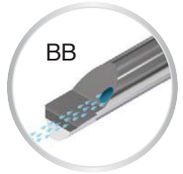
Arrosage favorisant l'évacuation des copeaux
Spanabfuhr fördernde Kühlung
Cooling for better chip outflow





Arrosage par le centre de l'outil
Zentrale Kühlmittelzufuhr
Cooling through the center of the tool

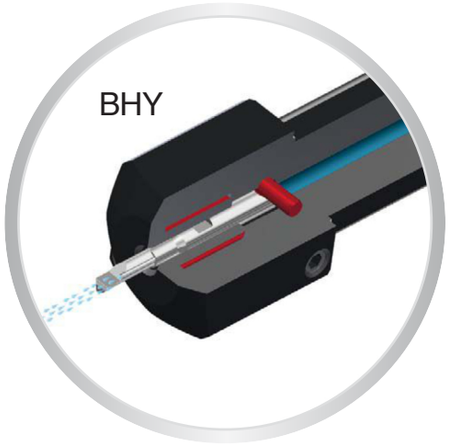






Excellente absorption des vibrations
Ausgezeichnete Schwingungsdämpfung
Excellent vibration absorbtion

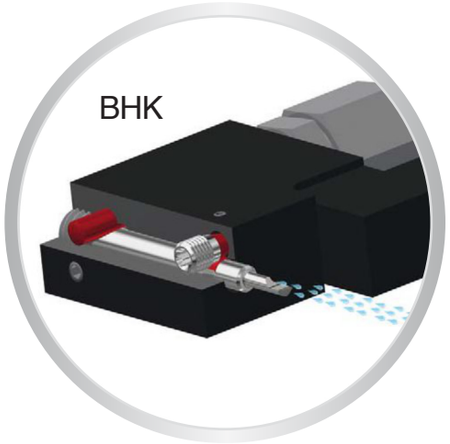
Arrosage par la barre d'alésage
Kühlung durch die Bohrstange
Cooling through the boring bar



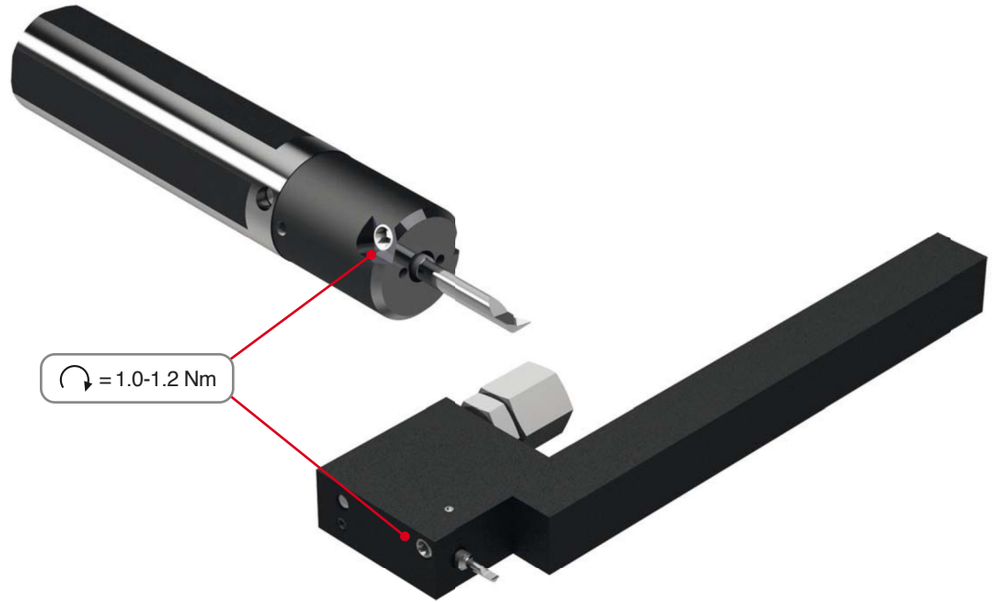
Système de serrage à vis transversale
Querverschraubungsspannsystem
Clamping system with transverse screw



Arrosage par la barre d'alésage
Kühlung durch die Bohrstange
Cooling through the boring bar



Zurück zum Kapitelanfang



Nous recommandons le serrage des porte-outils type BHS et BHK avec ce type de tournevis dynamométrique.

Wir empfehlen für das Anziehen der Halter Typ BHS und BHK diese Art von Drehmomentschraubendreher.

For holders type BHS and BHK clamping, we recommend this kind of torque screwdriver.



Art. N°
SET-NM1.2-TX8

µK30

ZTAF



K30

ZN + revêtement PVD
ZN + PVD Beschichtung
ZN + PVD coating

TF F M E

P ★★★★★
M ★★★★★
N ★★★★☆
S ★★★★☆

- nuance universelle pour l'usage des aciers, aciers inoxydables, aciers alliés, alliages de titane
- bonne résistance à la température

- Vielzweck-Hartmetallsorte für die Bearbeitung von Stahl, rostfreien Stählen, Stahllegierung, Titanlegierung
- gute Warmfestigkeit

- universal grade for steel, stainless steel, alloyed steel, titanium alloys
- good heat resistance

µK30

ZTAXF



K30

ZN + revêtement PVD
ZN + PVD Beschichtung
ZN + PVD coating

TF F M E

P ★★★★☆
M ★★★★★
N ★☆☆☆☆
S ★★★★★

- nuance très résistante à l'usure et à la température, recommandée pour l'usinage des matières suivantes: inox 304, 316L, 317L, 904, Phynox
- aciers alliés contenant: chrome nickel, vanadium, molybdène, …

- sehr verschleissfeste und temperaturbeständige Sorte, für folgende Materialien empfohlen: Inox 304, 316L, 317L, 904, Phynox
- legierter Stahl enthaltend: Chrom-Nickel, Vanadium, Molybdän, …

- very wear and high temperature resistant grade, recommended for following material : Inox 304, 316L, 317L, 904, Phynox
- alloy steel containing: Chrome-nickel, Vanadium, Molybdenum, …

µK30

ZN



K30

Non revêtu
Unbeschichtet
Uncoated

P ★☆☆☆☆
M ★☆☆☆☆
N ★★★★☆
S ★★★★☆

- nuance de base micro-grain tenace
- 1er choix pour l'usinage des métaux non ferreux

- zähe Basis Feinkornsorte
- erste Wahl für die Bearbeitung von Nichteisenmetalle

- tough base micro-grain grade
- first choice for non-ferrous materials

Matière Werkstoff Material		VC (m/min)	Øbarre d'alésage Bohrstange Ø boring bar Ø Ø1.0 - Ø2.0 (mm/U)	Ø2.5 - Ø4.0 (mm/U)	Ø4.5 - Ø5.5 (mm/U)
Acier de décolletage Automatenstahl Free-cutting steel	P	60-100	0.02-0.03	0.02-0.08	0.03-0.10
Acier faiblement allié Leicht legierter Stahl Low alloyed steel	P	50-80	0.01-0.03	0.02-0.05	0.03-0.06
Acier fortement allié Legierter Stahl High alloyed steel	P	40-60	0.01-0.02	0.02-0.04	0.02-0.06
Acier inoxydable Rostfreistahl Stainless steel	M	40-90	0.01-0.03	0.02-0.05	0.03-0.08
Aluminium	N	60-150	0.01-0.03	0.02-0.06	0.03-0.10
Cuivre, laiton, bronze Kupfer, Messing, Bronze Copper, brass, bronze	N	60-150	0.01-0.03	0.02-0.05	0.03-0.08
Titane Titan Titanium	S	30-70	0.01-0.03	0.02-0.05	0.03-0.10

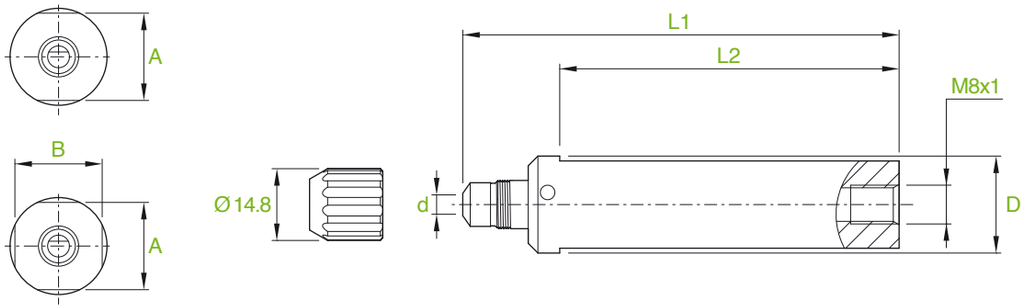
Zurück zum Kapitelanfang

BH4-D

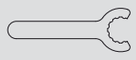
Porte-outils avec écrou de serrage
Halter mit Spannmutter
Holders with clamping nut

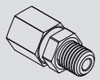






d	Bars	D	L1	L2	A x B	2 flats	4 flats	Art. N°
4	BB4… BF4…	10	75	55	8.8x8.8	●		BH4-D10-75
		12	75	55	11.2x11.2	●		BH4-D12-75
		12.7	75	55	11.2x11.2	●		BH4-D12.7-75
		15.87	75	55	14x14		●	BH4-D15.87-75-F4
		16	75	55	14x14	●		BH4-D16-75
		16	75	55	14x14		●	BH4-D16-75-F4
		16	110	90	14x14		●	BH4-D16-110-F4
		19.05	90	70	17x17		●	BH4-D19.05-90-F4
		20	90	70	18x18	●		BH4-D20-90
		20	90	70	18x18		●	BH4-D20-90-F4
		20	160	140	18x18		●	BH4-D20-160-F4
		22	90	70	20x20	●		BH4-D22-90
		22	90	70	20x20		●	BH4-D22-90-F4
		22	130	110	20x20		●	BH4-D22-130-F4
		25	100	80	23x23	●		BH4-D25-100
		25	100	80	23x23		●	BH4-D25-100-F4
		25	170	150	23x23		●	BH4-D25-170-F4
		25.4	100	80	23.4x23.4	●		BH4-D25.4-100
		28	100	80	26x26	●		BH4-D28-100

Pièces de rechange Ersatzteile Spare parts	 Art. N°	 Art. N°
BH4…	BH4-M10	C-BH4-M10

Option	 Art. N°
BH4…	J-M8X1-D6
	moreoption see JET-Line

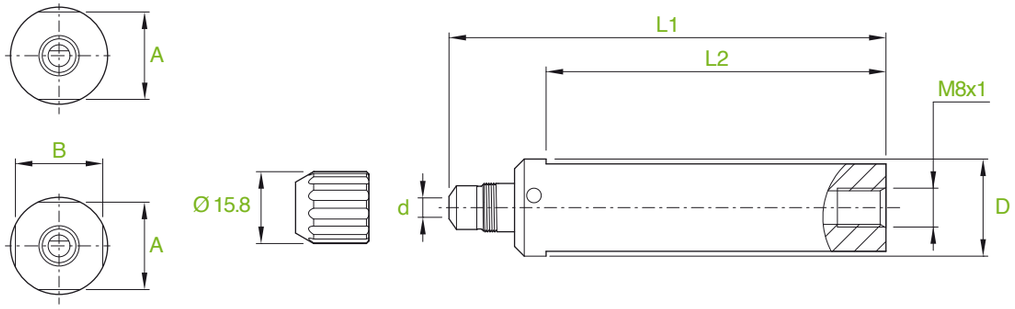
Zurück zum Kapitelanfang

BH6-D

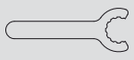
Porte-outils avec écrou de serrage
Halter mit Spannmutter
Holders with clamping nut

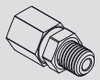






d	Bars	D	L1	L2	A x B	2 flats	4 flats	Art. N°
6	BB6… BF6…	12	75	55	11.2x11.2	●		BH6-D12-75
		12.7	75	55	11.2x11.2	●		BH6-D12.7-75
		15.87	75	55	14x14	●		BH6-D15.87-75
		16	75	55	14x14	●		BH6-D16-75
		19.05	90	70	17x17	●		BH6-D19.05-90
		20	90	70	18x18	●		BH6-D20-90
		20	90	70	18x18		●	BH6-D20-90-F4
		20	160	140	18x18		●	BH6-D20-160-F4
		22	90	70	20x20	●		BH6-D22-90
		22	90	70	20x20		●	BH6-D22-90-F4
		22	130	110	20x20		●	BH6-D22-130-F4
		25	100	80	23x23	●		BH6-D25-100
		25	100	80	23x23		●	BH6-D25-100-F4
		25	170	150	23x23		●	BH6-D25-170-F4
		25.4	100	80	23.4x23.4	●		BH6-D25.4-100
		28	100	80	26x26	●		BH6-D28-100

Pièces de rechange Ersatzteile Spare parts	 Art. N°	 Art. N°
BH6…	BH6-M12	C-BH6-M12

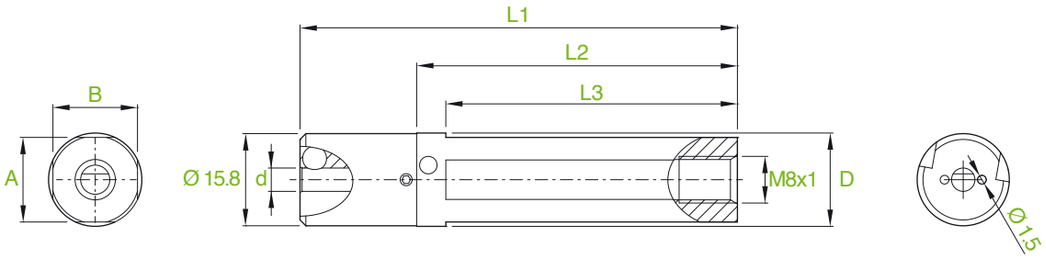
Option	 Art. N°
BH6…	J-M8X1-D6
	moreoption see JET-Line

BHS4-D

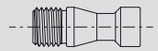
Porte-outils avec arrosage multiple
Halter mit mehrfaches Kühlungssystem
Holders with multiple coolant system

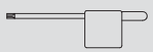
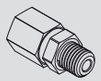






d	Bars	D	L1	L2	L3	A x B	Art. N°
4	BB4… BF4…	10	75	55	50	9.2x9.2	BHS4-D10-75-F4
		12	75	55	50	11x11	BHS4-D12-75-F4
		12.7	75	55	50	11.7x11.7	BHS4-D12.7-75-F4
		15.87	75	55	50	14.5x14.5	BHS4-D15.87-75-F4
		16	75	55	50	14.5x14.5	BHS4-D16-75-F4
		16	110	90	85	14.5x14.5	BHS4-D16-110-F4
		19.05	90	70	65	17x17	BHS4-D19.05-90-F4
		20	90	70	65	18x18	BHS4-D20-90-F4
		20	160	140	135	18x18	BHS4-D20-160-F4
		22	90	70	65	20x20	BHS4-D22-90-F4
		22	130	110	105	20x20	BHS4-D22-130-F4
		25	100	80	75	23x23	BHS4-D25-100-F4
		25	170	150	145	23x23	BHS4-D25-170-F4
		25.4	100	80	75	23x23	BHS4-D25.4-100-F4
		28	100	80	75	26x26	BHS4-D28-100-F4

Pièces de rechange Ersatzteile Spare parts	 Art. N°
BHS4…	V-BHS-M4X0.5-T8

Option	 Art. N°	 Art. N°	 Art. N°
BHS4…	C-T8	J-M8X1-D6 moreoption see JET-Line	SET-NM1.2-TX8

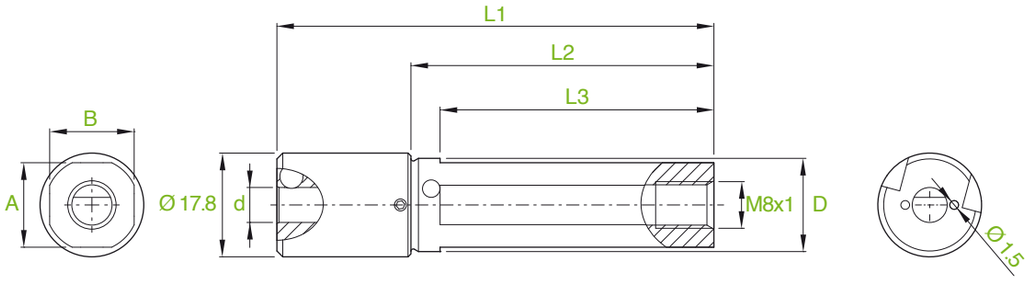
Zurück zum Kapitelanfang

BHS6-D

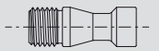
Porte-outils avec arrosage multiple
Halter mit mehrfaches Kühlungssystem
Holders with multiple coolant system

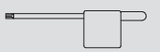
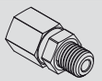






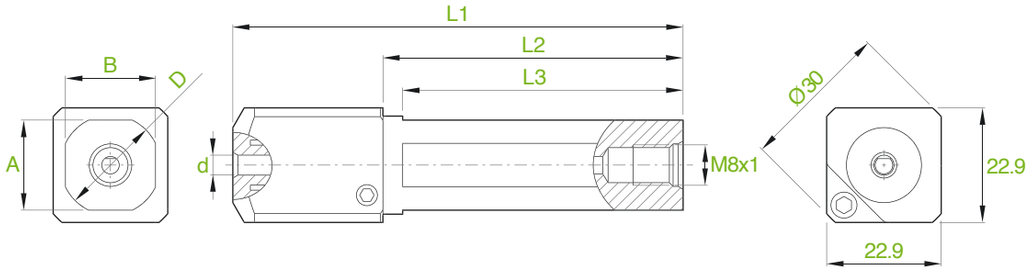
d	Bars	D	L1	L2	L3	A x B	Art. N°
6	BB6… BF6…	12	75	52	47	11x11	BHS6-D12-75-F4
		12.7	75	52	47	11.7x11.7	BHS6-D12.7-75-F4
		15.87	75	52	47	14.5x14.5	BHS6-D15.87-75-F4
		16	75	52	47	14.5x14.5	BHS6-D16-75-F4
		16	110	87	82	14.5x14.5	BHS6-D16-110-F4
		19.05	90	67	62	17x17	BHS6-D19.05-90-F4
		20	90	67	62	18x18	BHS6-D20-90-F4
		20	160	137	132	18x18	BHS6-D20-160-F4
		22	90	67	62	20x20	BHS6-D22-90-F4
		22	130	107	102	20x20	BHS6-D22-130-F4
		25	100	77	72	23x23	BHS6-D25-100-F4
		25	170	147	142	23x23	BHS6-D25-170-F4
		25.4	100	77	72	23x23	BHS6-D25.4-100-F4
		28	100	77	72	26x26	BHS6-D28-100-F4

Pièces de rechange Ersatzteile Spare parts	 Art. N°
BHS4…	V-BHS-M4X0.5-T8

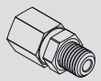
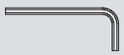
Option	 Art. N°	 Art. N°	 Art. N°
BHS6…	C-T8	J-M8X1-D6 moreoption see JET-Line	SET-NM1.2-TX8







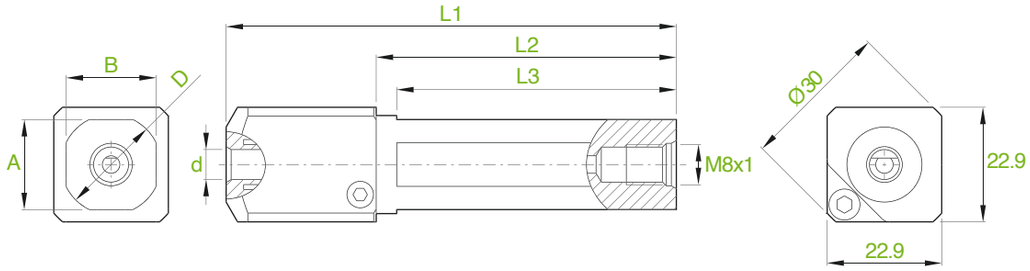
d	Bars	D	L1	L2	L3	A x B	Art. N°
4	BB4… BF4…	12	90	60	55	11.2x11.2	BHY4-D12-90-F4
		16	90	60	55	14.5x14.5	BHY4-D16-90-F4
		19.05	90	60	55	17x17	BHY4-D19.05-90-F4
		20	90	60	55	18x18	BHY4-D20-90-F4
		22	90	60	55	20x20	BHY4-D22-90-F4
		25	100	70	65	23x23	BHY4-D25-100-F4

Pièces de rechange Ersatzteile Spare parts	 Art. N°	 Art. N°
BHY4…	J-M8X1-D6 moreoption see JET-Line	C-6P-3.0

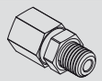
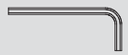
Zurück zum Kapitelanfang

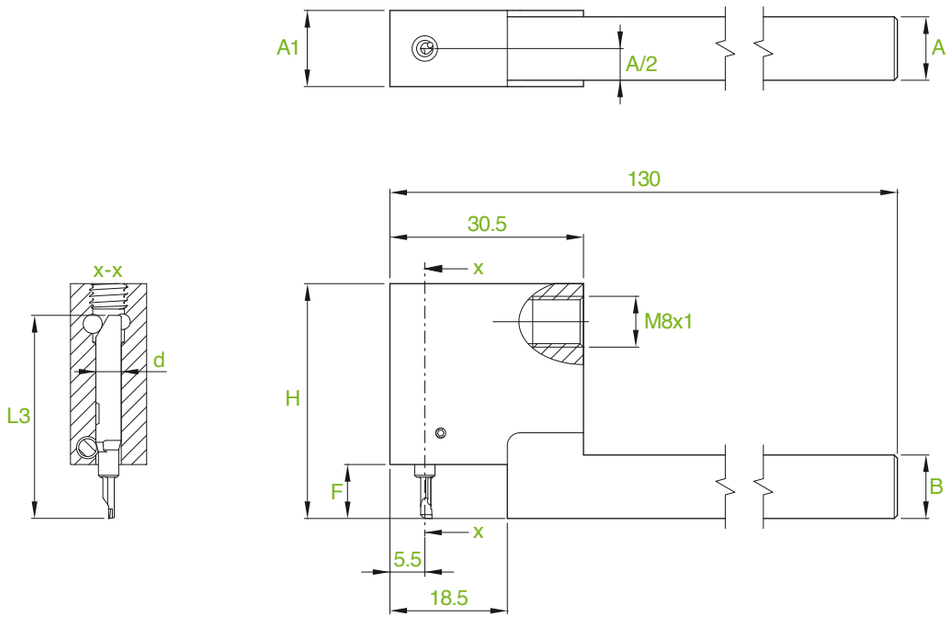






d	Bars	D	L1	L2	L3	A x B	Art. N°
6	BB6… BF6…	12	90	60	55	11.2x11.2	BHY6-D12-90-F4
		16	90	60	55	14.5x14.5	BHY6-D16-90-F4
		19.05	90	60	55	17x17	BHY6-D19.05-90-F4
		20	90	60	55	18x18	BHY6-D20-90-F4
		22	90	60	55	20x20	BHY6-D22-90-F4
		25	100	70	65	23x23	BHY6-D25-100-F4

Pièces de rechange Ersatzteile Spare parts	 Art. N°	 Art. N°
BHY6…	J-M8X1-D6 moreoption see JET-Line	C-6P-3.0

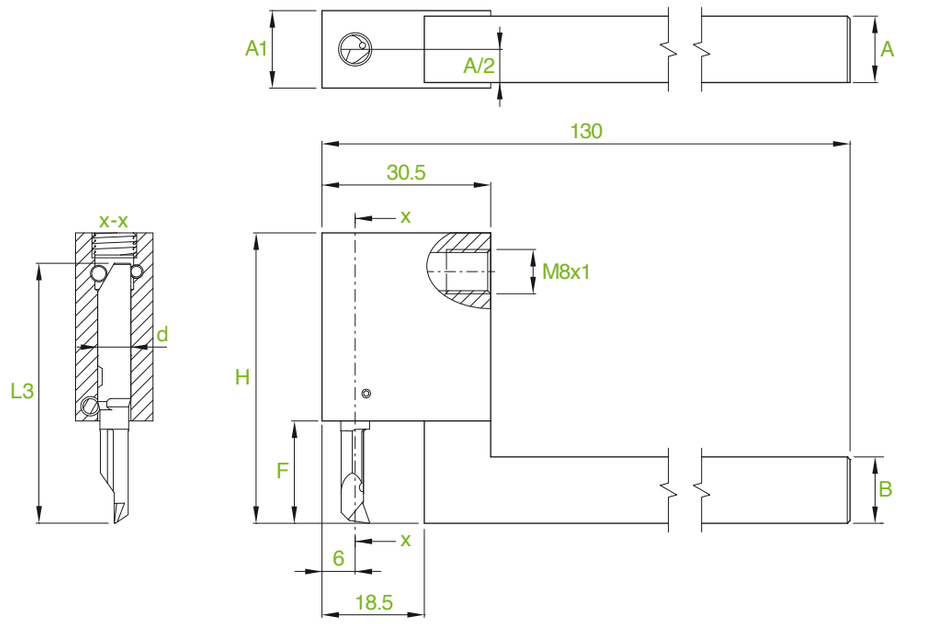


d	Bars	L3	A x B	F	H	A1	Art. N°
4	BB4R… BF4R…	32	8x8	8.5	37	12	BHK4N-0808X-32R
			10x10	8.5	37	12	BHK4N-1010X-32R
			12x12	8.5	37	12	BHK4N-1212X-32R
			16x16	8.5	37	16	BHK4N-1616X-32R
		37	8x8	13.5	42	12	BHK4N-0808X-37R
			10x10	13.5	42	12	BHK4N-1010X-37R
			12x12	13.5	42	12	BHK4N-1212X-37R
			16x16	13.5	42	16	BHK4N-1616X-37R
		42	10x10	18.5	47	12	BHK4N-1010X-42R
			12x12	18.5	47	12	BHK4N-1212X-42R
			16x16	18.5	47	16	BHK4N-1616X-42R

Pièces de rechange Ersatzteile Spare parts	Art. N°
BHK4N…	V-BHK-M4X0.5-T8

Option	Art. N°	Art. N°	Art. N°
BHK4N…	C-T8	J-M8X1-D6 moreoption see JET-Line	SET-NM1.2-TX8

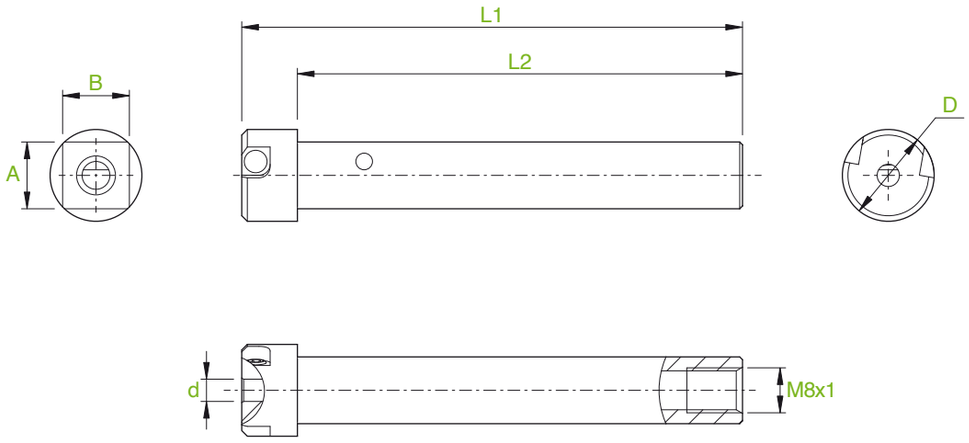
Zurück zum Kapitelanfang



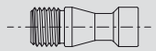
d	Bars	L3	A x B	F	H	A1	Art. N°
6	BB6R… BF6R…	47	10x10	18.5	52.5	12	BHK6N-1010X-47R
			12x12	18.5	52.5	12	BHK6N-1212X-47R
			16x16	18.5	52.5	16	BHK6N-1616X-47R
		57	10x10	28.5	62.5	12	BHK6N-1010X-57R
			12x12	28.5	62.5	12	BHK6N-1212X-57R
			16x16	28.5	62.5	16	BHK6N-1616X-57R

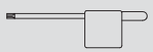
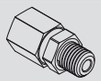
Pièces de rechange Ersatzteile Spare parts	Art. N°
BHK6N…	V-BHK-M4X0.5-T8

Option	Art. N°	Art. N°	Art. N°
BHK6N…	C-T8	J-M8X1-D6 moreoption see JET-Line	SET-NM1.2-TX8

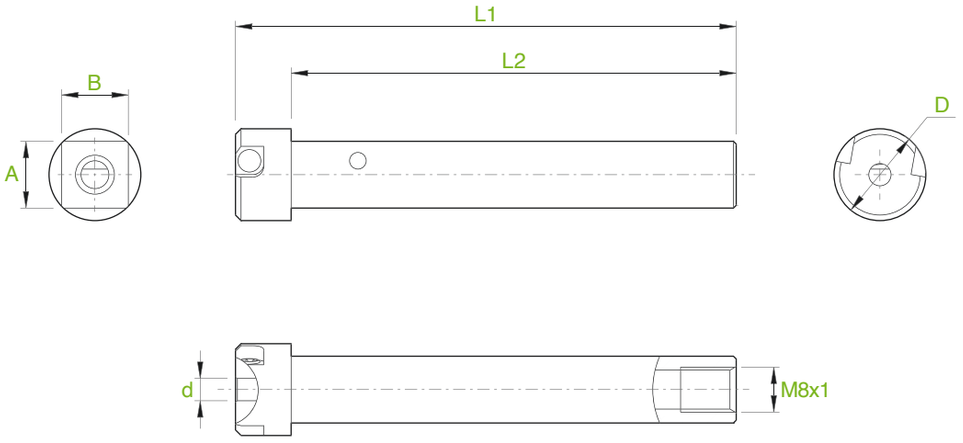


d	Bars	A x B	L1	L2	D	Art. N°
4	BB4…BF4…	12x12	90	80	16.5	BHS4-1212-90
		16x16	100	90	15.5	BHS4-1616-100

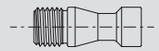
Pièces de rechange Ersatzteile Spare parts	
	Art. N°
BHS4…	V-BHS-M4X0.5-T8

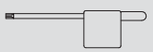
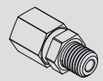
Option			
	Art. N°	Art. N°	Art. N°
BHS4…	C-T8	J-M8X1-D6	SET-NM1.2-TX8
		moreoption see JET-Line	

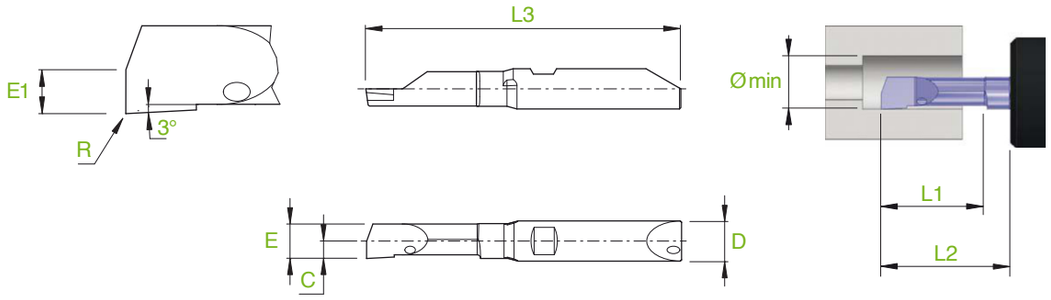
Zurück zum Kapitelanfang

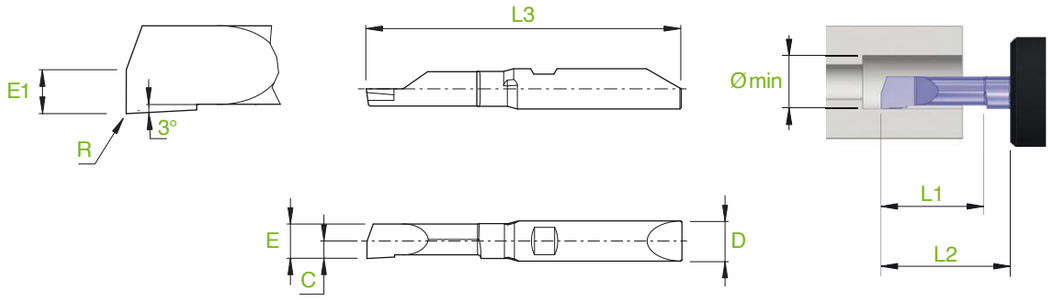


d	Bars	A x B	L1	L2	D	Art. N°
6	BB6…BF6…	12x12	90	80	17.5	BHS6-1212-90
		16x16	100	-	-	BHS4-1616-100

Pièces de rechange Ersatzteile Spare parts	
	Art. N°
BHS6…	V-BHS-M4X0.5-T8

Option			
	Art. N°	Art. N°	Art. N°
BHS6…	C-T8	J-M8X1-D6	SET-NM1.2-TX8
		moreoption see JET-Line	





												R			L	
D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E	E1	C	R	L3	Art. N°	P M N S ZTAF	P M S ZTAXF	P N S ZN	P M N S ZTAF	P N S ZN
4	BH4… BHS4… BHY4… BHK4…	0.3	0.9	10	8.5	0.27	0.13	0.15	0	32	BB4R/L-0309-BA	●	●	●	●	●
		0.4	1.2	10	8.5	0.36	0.18	0.20	0	32	BB4R/L-0412-BA	●	●	●	●	●
		0.5	1.5	10	8.5	0.45	0.22	0.25	0	32	BB4R/L-0515-BA	●	●	●	●	●
		0.6	1.8	10	8.5	0.54	0.27	0.30	0	32	BB4R/L-0618-BA	●	●	●	●	●
		0.7	2.1	10	8.5	0.63	0.31	0.35	0	32	BB4R/L-0721-BA	●	●	●	●	●
		0.8	2.4	10	8.5	0.72	0.36	0.40	0	32	BB4R/L-0824-BA	●	●	●	●	●
		0.9	2.7	10	8.5	0.81	0.40	0.45	0	32	BB4R/L-0927-BA	●	●	●	●	●
		1.0	3.0	10	8.5	0.90	0.45	0.60	0.02	32	BB4R/L-1030-BA-R02	●	●	●	●	●
		1.2	3.6	10	8.5	1.08	0.54	0.60	0.02	32	BB4R/L-1236-BA-R02	●	●	●	●	●
		1.5	4.5	10	8.5	1.35	0.67	0.65	0.02	32	BB4R/L-1545-BA-R02	●	●	●	●	●
		2.0	6.0	10	8.5	1.80	0.90	1.15	0.02	32	BB4R/L-2060-BA-R02	●	●	●	●	●
		2.5	7.5	10	8.5	2.25	1.13	1.30	0.02	32	BB4R/L-2575-BA-R02	●	●	●	●	●
		3.0	9.0	15	13.5	2.70	1.35	1.35	0.05	37	BB4R/L-3090-BA-R05	●	●	●	●	●
		3.5	10.5	15	13.5	3.15	1.58	1.60	0.05	37	BB4R/L-35105-BA-R05	●	●	●	●	●

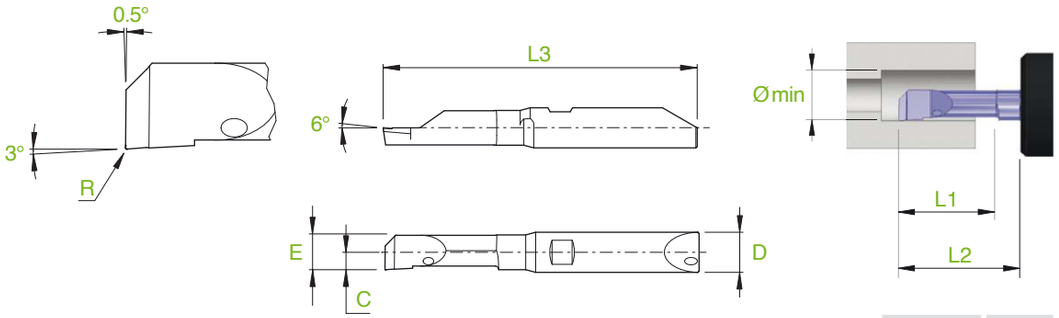
												R			L	
D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E	E1	C	R	L3	Art. N°	P M N S ZTAF	P M S ZTAXF	P N S ZN	P M N S ZTAF	P N S ZN
4	BH4… BHS4… BHY4… BHK4…	0.3	0.9	10	8.5	0.27	0.13	0.15	0	32	BF4R/L-0309-BA	●	●	●	●	●
		0.4	1.2	10	8.5	0.36	0.18	0.20	0	32	BF4R/L-0412-BA	●	●	●	●	●
		0.5	1.5	10	8.5	0.45	0.22	0.25	0	32	BF4R/L-0515-BA	●	●	●	●	●
		0.6	1.8	10	8.5	0.54	0.27	0.30	0	32	BF4R/L-0618-BA	●	●	●	●	●
		0.7	2.1	10	8.5	0.63	0.31	0.35	0	32	BF4R/L-0721-BA	●	●	●	●	●
		0.8	2.4	10	8.5	0.72	0.36	0.40	0	32	BF4R/L-0824-BA	●	●	●	●	●
		0.9	2.7	10	8.5	0.81	0.40	0.45	0	32	BF4R/L-0927-BA	●	●	●	●	●
		1.0	3.0	10	8.5	0.90	0.45	0.60	0.02	32	BF4R/L-1030-BA-R02	●	●	●	●	●
		1.2	3.6	10	8.5	1.08	0.54	0.60	0.02	32	BF4R/L-1236-BA-R02	●	●	●	●	●
		1.5	4.5	10	8.5	1.35	0.67	0.65	0.02	32	BF4R/L-1545-BA-R02	●	●	●	●	●
		2.0	6.0	10	8.5	1.80	0.90	1.15	0.02	32	BF4R/L-2060-BA-R02	●	●	●	●	●
		2.5	7.5	10	8.5	2.25	1.13	1.30	0.02	32	BF4R/L-2575-BA-R02	●	●	●	●	●
		3.0	9.0	15	13.5	2.70	1.35	1.35	0.05	37	BF4R/L-3090-BA-R05	●	●	●	●	●
		3.5	10.5	15	13.5	3.15	1.58	1.60	0.05	37	BF4R/L-35105-BA-R05	●	●	●	●	●

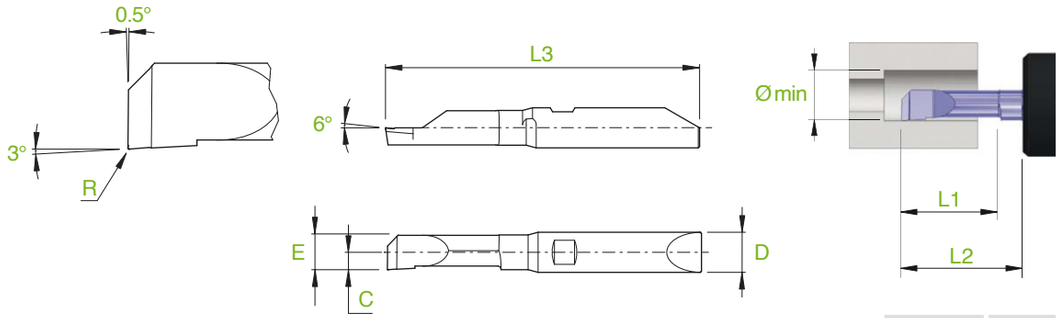
Alésage
Ausbohren
Boring

BF4…/ BF6…

BAX

IN-Line



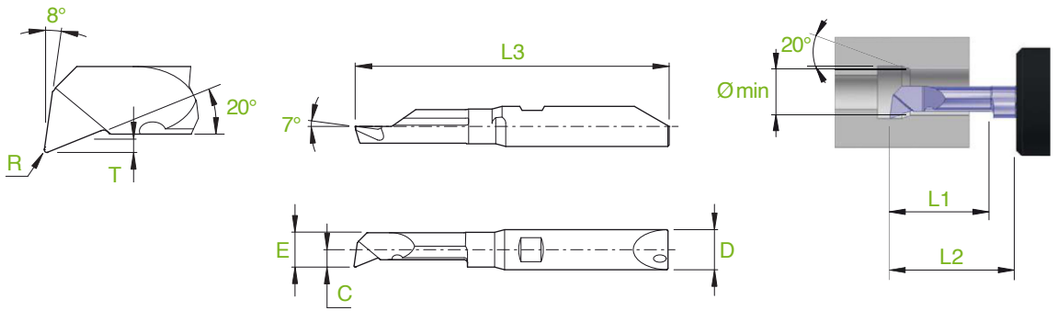


D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E	C	R	L3	Art. N°	R			L	
											P M N S ZTAF	P M S ZTAXF	P N S ZN	P M N S ZTAF	P N S ZN
4	BH4… BHS4… BHY4… BHK4…	0.5	1.5	10	8.5	0.45	0.25	0	32	BB4R/L-0515-BAX	●	●	●	●	●
		0.6	1.8	10	8.5	0.54	0.30	0	32	BB4R/L-0618-BAX	●	●	●	●	●
		0.7	2.1	10	8.5	0.63	0.35	0	32	BB4R/L-0721-BAX	●	●	●	●	●
		0.8	2.4	10	8.5	0.72	0.40	0	32	BB4R/L-0824-BAX	●	●	●	●	●
		0.9	2.7	10	8.5	0.81	0.45	0	32	BB4R/L-0927-BAX	●	●	●	●	●
		1.0	3.0	10	8.5	0.90	0.60	0.02	32	BB4R/L-1030-BAX-R02	●	●	●	●	●
			5.0	10	8.5	0.90	0.60	0.02	32	BB4R/L-1050-BAX-R02	●	●	●	●	●
		1.5	4.5	10	8.5	1.35	0.65	0.02	32	BB4R/L-1545-BAX-R02	●	●	●	●	●
			7.5	10	8.5	1.35	0.65	0.02	32	BB4R/L-1575-BAX-R02	●	●	●	●	●
		2.0	6.0	10	8.5	1.80	1.15	0.02	32	BB4R/L-2060-BAX-R02	●	●	●	●	●
			10.0	15	13.5	1.80	1.15	0.02	37	BB4R/L-20100-BAX-R02	●	●	●	●	●
		2.5	7.5	10	8.5	2.25	1.30	0.05	32	BB4R/L-2575-BAX-R05	●	●	●	●	●
			12.5	15	13.5	2.25	1.30	0.05	37	BB4R/L-25125-BAX-R05	●	●	●	●	●
		3.0	9.0	15	13.5	2.70	1.35	0.05	37	BB4R/L-3090-BAX-R05	●	●	●	●	●
			15.0	20	18.5	2.70	1.35	0.05	42	BB4R/L-30150-BAX-R05	●	●	●	●	●
		3.5	10.5	15	13.5	3.15	1.60	0.05	37	BB4R/L-35105-BAX-R05	●	●	●	●	●
			17.5	20	18.5	3.15	1.60	0.05	42	BB4R/L-35175-BAX-R05	●	●	●	●	●

D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	3.80	2.20	0.05	47	BB6R/L-40120-BAX-R05	●	●	●	●	●
			20.0	30	28.5	3.80	2.20	0.05	57	BB6R/L-40200-BAX-R05	●	●	●	●	●
		4.5	13.5	20	18.5	4.28	2.30	0.05	47	BB6R/L-45135-BAX-R05	●	●	●	●	●
			22.5	30	28.5	4.28	2.30	0.05	57	BB6R/L-45225-BAX-R05	●	●	●	●	●
		5.0	15.0	20	18.5	4.75	2.40	0.05	47	BB6R/L-50150-BAX-R05	●	●	●	●	●
			25.0	30	28.5	4.75	2.40	0.05	57	BB6R/L-50250-BAX-R05	●	●	●	●	●
		5.5	16.5	20	18.5	5.15	2.60	0.05	47	BB6R/L-55165-BAX-R05	●	●	●	●	●
			27.5	30	28.5	5.15	2.60	0.05	57	BB6R/L-55275-BAX-R05	●	●	●	●	●

D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E	C	R	L3	Art. N°	R			L	
											P M N S ZTAF	P M S ZTAXF	P N S ZN	P M N S ZTAF	P N S ZN
4	BH4… BHS4… BHY4… BHK4…	0.5	1.5	10	8.5	0.45	0.25	0	32	BF4R/L-0515-BAX	●	●	●	●	●
		0.6	1.8	10	8.5	0.54	0.30	0	32	BF4R/L-0618-BAX	●	●	●	●	●
		0.7	2.1	10	8.5	0.63	0.35	0	32	BF4R/L-0721-BAX	●	●	●	●	●
		0.8	2.4	10	8.5	0.72	0.40	0	32	BF4R/L-0824-BAX	●	●	●	●	●
		0.9	2.7	10	8.5	0.81	0.45	0	32	BF4R/L-0927-BAX	●	●	●	●	●
		1.0	3.0	10	8.5	0.90	0.60	0.02	32	BF4R/L-1030-BAX-R02	●	●	●	●	●
			5.0	10	8.5	0.90	0.60	0.02	32	BF4R/L-1050-BAX-R02	●	●	●	●	●
		1.5	4.5	10	8.5	1.35	0.65	0.02	32	BF4R/L-1545-BAX-R02	●	●	●	●	●
			7.5	10	8.5	1.35	0.65	0.02	32	BF4R/L-1575-BAX-R02	●	●	●	●	●
		2.0	6.0	10	8.5	1.80	1.15	0.02	32	BF4R/L-2060-BAX-R02	●	●	●	●	●
			10.0	15	13.5	1.80	1.15	0.02	37	BF4R/L-20100-BAX-R02	●	●	●	●	●
		2.5	7.5	10	8.5	2.25	1.30	0.05	32	BF4R/L-2575-BAX-R05	●	●	●	●	●
			12.5	15	13.5	2.25	1.30	0.05	37	BF4R/L-25125-BAX-R05	●	●	●	●	●
		3.0	9.0	15	13.5	2.70	1.35	0.05	37	BF4R/L-3090-BAX-R05	●	●	●	●	●
			15.0	20	18.5	2.70	1.35	0.05	42	BF4R/L-30150-BAX-R05	●	●	●	●	●
		3.5	10.5	15	13.5	3.15	1.60	0.05	37	BF4R/L-35105-BAX-R05	●	●	●	●	●
			17.5	20	18.5	3.15	1.60	0.05	42	BF4R/L-35175-BAX-R05	●	●	●	●	●

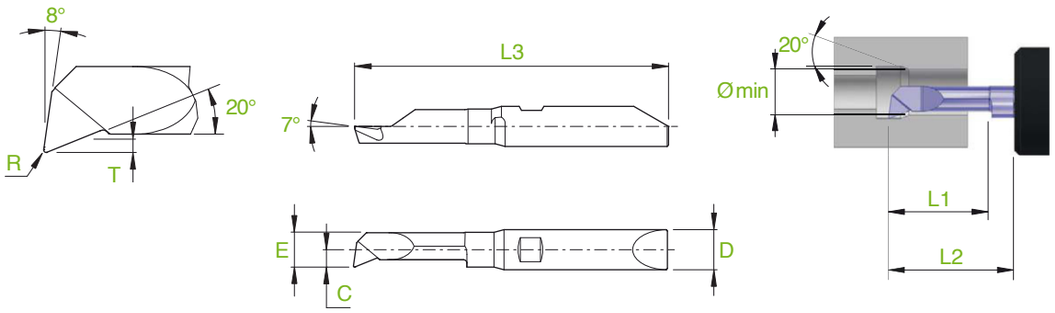
D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	3.80	2.20	0.05	47	BF6R/L-40120-BAX-R05	●	●	●	●	●
			20.0	30	28.5	3.80	2.20	0.05	57	BF6R/L-40200-BAX-R05	●	●	●	●	●
		4.5	13.5	20	18.5	4.28	2.30	0.05	47	BF6R/L-45135-BAX-R05	●	●	●	●	●
			22.5	30	28.5	4.28	2.30	0.05	57	BF6R/L-45225-BAX-R05	●	●	●	●	●
		5.0	15.0	20	18.5	4.75	2.40	0.05	47	BF6R/L-50150-BAX-R05	●	●	●	●	●
			25.0	30	28.5	4.75	2.40	0.05	57	BF6R/L-50250-BAX-R05	●	●	●	●	●
		5.5	16.5	20	18.5	5.15	2.60	0.05	47	BF6R/L-55165-BAX-R05	●	●	●	●	●
			27.5	30	28.5	5.15	2.60	0.05	57	BF6R/L-55275-BAX-R05	●	●	●	●	●



												R			L	
D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	T	E	C	R	L3	Art. N°	P M N S ZTAF	P M S ZTAXF	P N S ZN	P M N S ZTAF	P N S ZN
4	BH4… BHS4… BHY4… BHK4…	1.0	3.0	10	8.5	0.15	0.90	0.70	0.05	32	BB4R/L-1030-BCX-R05	●	●	●	●	●
			5.0	10	8.5	0.15	0.90	0.70	0.05	32	BB4R/L-1050-BCX-R05	●	●	●	●	●
		1.5	4.5	10	8.5	0.23	1.35	0.75	0.05	32	BB4R/L-1545-BCX-R05	●	●	●	●	●
			7.5	10	8.5	0.23	1.35	0.75	0.05	32	BB4R/L-1575-BCX-R05	●	●	●	●	●
		2.0	6.0	10	8.5	0.30	1.80	1.15	0.05	32	BB4R/L-2060-BCX-R05	●	●	●	●	●
			10.0	15	13.5	0.30	1.80	1.15	0.05	37	BB4R/L-20100-BCX-R05	●	●	●	●	●
		2.5	7.5	10	8.5	0.38	2.25	1.30	0.10	32	BB4R/L-2575-BCX-R10	●	●	●	●	●
			12.5	15	13.5	0.38	2.25	1.30	0.10	37	BB4R/L-25125-BCX-R10	●	●	●	●	●
		3.0	9.0	15	13.5	0.45	2.70	1.35	0.10	37	BB4R/L-3090-BCX-R10	●	●	●	●	●
			15.0	20	18.5	0.45	2.70	1.35	0.10	42	BB4R/L-30150-BCX-R10	●	●	●	●	●
		3.5	10.5	15	13.5	0.53	3.15	1.60	0.10	37	BB4R/L-35105-BCX-R10	●	●	●	●	●
			17.5	20	18.5	0.53	3.15	1.60	0.10	42	BB4R/L-35175-BCX-R10	●	●	●	●	●

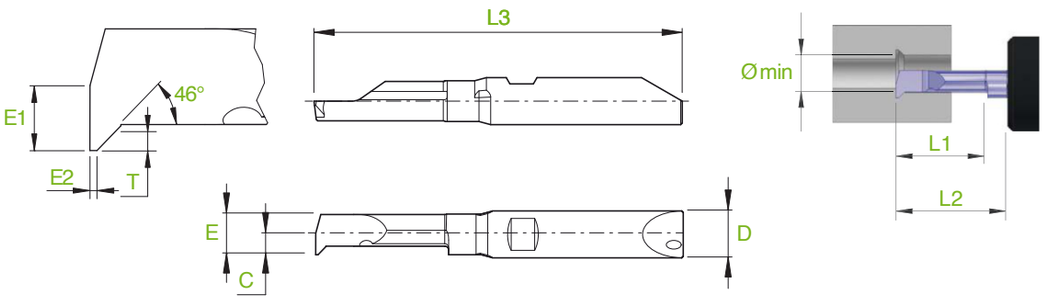
D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	T	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	0.60	3.80	2.20	0.15	47	BB6R/L-40120-BCX-R15	●	●	●	●	●
			20.0	30	28.5	0.60	3.80	2.20	0.15	57	BB6R/L-40200-BCX-R15	●	●	●	●	●
		4.5	13.5	20	18.5	0.68	4.28	2.30	0.15	47	BB6R/L-45135-BCX-R15	●	●	●	●	●
			22.5	30	28.5	0.68	4.28	2.30	0.15	57	BB6R/L-45225-BCX-R15	●	●	●	●	●
		5.0	15.0	20	18.5	0.75	4.75	2.40	0.15	47	BB6R/L-50150-BCX-R15	●	●	●	●	●
			25.0	30	28.5	0.75	4.75	2.40	0.15	57	BB6R/L-50250-BCX-R15	●	●	●	●	●
		5.5	16.5	20	18.5	0.83	5.15	2.60	0.15	47	BB6R/L-55165-BCX-R15	●	●	●	●	●
			27.5	30	28.5	0.83	5.15	2.60	0.15	57	BB6R/L-55275-BCX-R15	●	●	●	●	●

Zurück zum Kapitelanfang



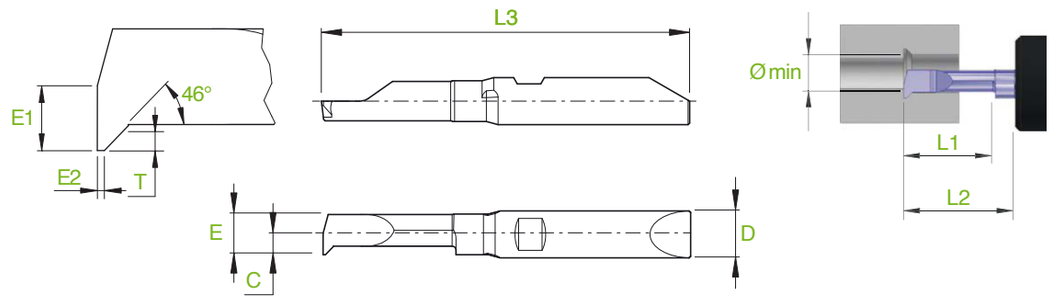
												R			L	
D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	T	E	C	R	L3	Art. N°	P M N S ZTAF	P M S ZTAXF	P N S ZN	P M N S ZTAF	P N S ZN
4	BH4… BHS4… BHY4… BHK4…	1.0	3.0	10	8.5	0.15	0.90	0.70	0.05	32	BF4R/L-1030-BCX-R05	●	●	●	●	●
			5.0	10	8.5	0.15	0.90	0.70	0.05	32	BF4R/L-1050-BCX-R05	●	●	●	●	●
		1.5	4.5	10	8.5	0.23	1.35	0.75	0.05	32	BF4R/L-1545-BCX-R05	●	●	●	●	●
			7.5	10	8.5	0.23	1.35	0.75	0.05	32	BF4R/L-1575-BCX-R05	●	●	●	●	●
		2.0	6.0	10	8.5	0.30	1.80	1.15	0.05	32	BF4R/L-2060-BCX-R05	●	●	●	●	●
			10.0	15	13.5	0.30	1.80	1.15	0.05	37	BF4R/L-20100-BCX-R05	●	●	●	●	●
		2.5	7.5	10	8.5	0.38	2.25	1.30	0.10	32	BF4R/L-2575-BCX-R10	●	●	●	●	●
			12.5	15	13.5	0.38	2.25	1.30	0.10	37	BF4R/L-25125-BCX-R10	●	●	●	●	●
		3.0	9.0	15	13.5	0.45	2.70	1.35	0.10	37	BF4R/L-3090-BCX-R10	●	●	●	●	●
			15.0	20	18.5	0.45	2.70	1.35	0.10	42	BF4R/L-30150-BCX-R10	●	●	●	●	●
		3.5	10.5	15	13.5	0.53	3.15	1.60	0.10	37	BF4R/L-35105-BCX-R10	●	●	●	●	●
			17.5	20	18.5	0.53	3.15	1.60	0.10	42	BF4R/L-35175-BCX-R10	●	●	●	●	●

D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	T	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	0.60	3.80	2.20	0.15	47	BF6R/L-40120-BCX-R15	●	●	●	●	●
			20.0	30	28.5	0.60	3.80	2.20	0.15	57	BF6R/L-40200-BCX-R15	●	●	●	●	●
		4.5	13.5	20	18.5	0.68	4.28	2.30	0.15	47	BF6R/L-45135-BCX-R15	●	●	●	●	●
			22.5	30	28.5	0.68	4.28	2.30	0.15	57	BF6R/L-45225-BCX-R15	●	●	●	●	●
		5.0	15.0	20	18.5	0.75	4.75	2.40	0.15	47	BF6R/L-50150-BCX-R15	●	●	●	●	●
			25.0	30	28.5	0.75	4.75	2.40	0.15	57	BF6R/L-50250-BCX-R15	●	●	●	●	●
		5.5	16.5	20	18.5	0.83	5.15	2.60	0.15	47	BF6R/L-55165-BCX-R15	●	●	●	●	●
			27.5	30	28.5	0.83	5.15	2.60	0.15	57	BF6R/L-55275-BCX-R15	●	●	●	●	●



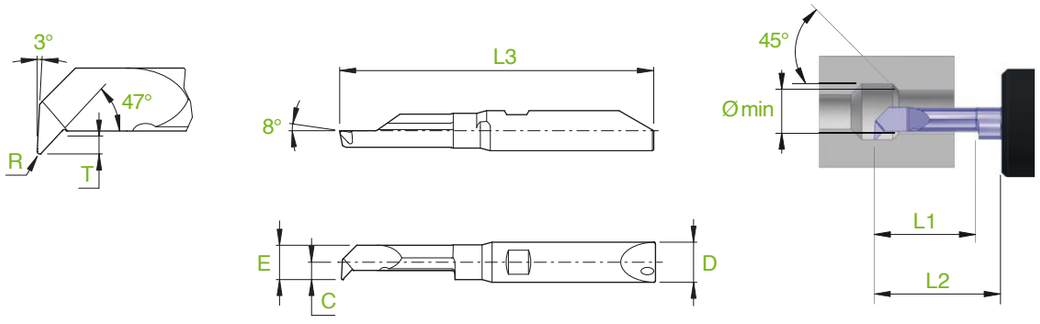
D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	T	E	E1	C	E2	L3	Art. N°	R ZTAF	R ZTAXF	R ZN	L ZTAF	L ZN
4	BH4… BHS4… BHY4… BHK4…	0.3	0.6	10	8.5	0.05	0.27	0.13	0.15	0.03	32	BB4R/L-0306-C45-E03	●	●	●	●	●
		0.4	0.8	10	8.5	0.07	0.36	0.18	0.20	0.03	32	BB4R/L-0408-C45-E03	●	●	●	●	●
		0.5	1.0	10	8.5	0.08	0.45	0.22	0.25	0.03	32	BB4R/L-0510-C45-E03	●	●	●	●	●
		0.6	1.2	10	8.5	0.10	0.54	0.27	0.30	0.03	32	BB4R/L-0612-C45-E03	●	●	●	●	●
		0.7	1.2	10	8.5	0.12	0.63	0.32	0.35	0.03	32	BB4R/L-0714-C45-E03	●	●	●	●	●
		0.8	1.6	10	8.5	0.14	0.72	0.36	0.40	0.05	32	BB4R/L-0816-C45-E05	●	●	●	●	●
		0.9	1.8	10	8.5	0.15	0.81	0.41	0.45	0.05	32	BB4R/L-0918-C45-E05	●	●	●	●	●
		1.0	3.0	10	8.5	0.17	0.90	0.45	0.70	0.10	32	BB4R/L-1030-C45-E10	●	●	●	●	●
		1.2	3.6	10	8.5	0.20	1.08	0.54	0.70	0.10	32	BB4R/L-1236-C45-E10	●	●	●	●	●
		1.5	4.5	10	8.5	0.25	1.35	0.67	0.75	0.10	32	BB4R/L-1545-C45-E10	●	●	●	●	●
		2.0	6.0	10	8.5	0.34	1.80	0.90	1.15	0.20	32	BB4R/L-2060-C45-E20	●	●	●	●	●
		2.5	7.5	10	8.5	0.43	2.25	1.13	1.30	0.20	32	BB4R/L-2575-C45-E20	●	●	●	●	●
		3.0	9.0	15	13.5	0.51	2.70	1.35	1.35	0.30	37	BB4R/L-3090-C45-E30	●	●	●	●	●
		3.5	10.5	15	13.5	0.60	3.15	1.58	1.60	0.30	37	BB4R/L-35105-C45-E30	●	●	●	●	●

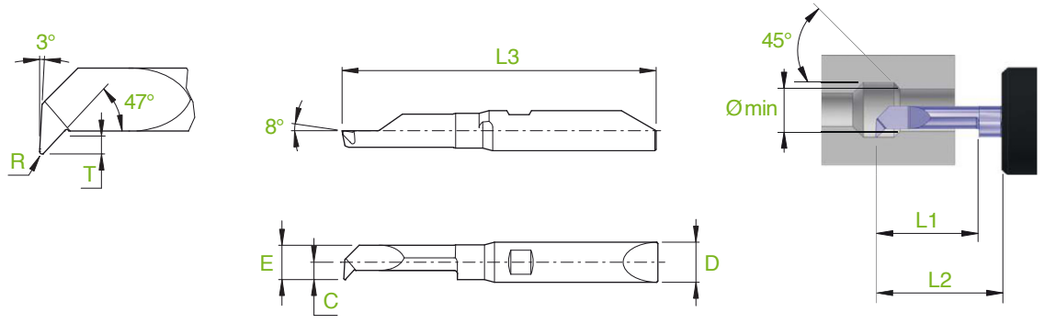
D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	T	E	E1	C	E2	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	0.68	3.80	1.90	2.30	0.40	47	BB6R/L-40120-C45-E40	●	●	●	●	●
		5.0	15.0	20	18.5	0.85	4.75	2.37	2.50	0.50	47	BB6R/L-50150-C45-E50	●	●	●	●	●



D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	T	E	E1	C	E2	L3	Art. N°	R ZTAF	R ZTAXF	R ZN	L ZTAF	L ZN
4	BH4… BHS4… BHY4… BHK4…	0.3	0.6	10	8.5	0.05	0.27	0.13	0.15	0.03	32	BF4R/L-0306-C45-E03	●	●	●	●	●
		0.4	0.8	10	8.5	0.07	0.36	0.18	0.20	0.03	32	BF4R/L-0408-C45-E03	●	●	●	●	●
		0.5	1.0	10	8.5	0.08	0.45	0.22	0.25	0.03	32	BF4R/L-0510-C45-E03	●	●	●	●	●
		0.6	1.2	10	8.5	0.10	0.54	0.27	0.30	0.03	32	BF4R/L-0612-C45-E03	●	●	●	●	●
		0.7	1.4	10	8.5	0.12	0.63	0.32	0.35	0.03	32	BF4R/L-0714-C45-E03	●	●	●	●	●
		0.8	1.6	10	8.5	0.14	0.72	0.36	0.40	0.05	32	BF4R/L-0816-C45-E05	●	●	●	●	●
		0.9	1.8	10	8.5	0.15	0.81	0.41	0.45	0.05	32	BF4R/L-0918-C45-E05	●	●	●	●	●
		1.0	3.0	10	8.5	0.17	0.90	0.45	0.70	0.10	32	BF4R/L-1030-C45-E10	●	●	●	●	●
		1.2	3.6	10	8.5	0.20	1.08	0.54	0.70	0.10	32	BF4R/L-1236-C45-E10	●	●	●	●	●
		1.5	4.5	10	8.5	0.25	1.35	0.67	0.75	0.10	32	BF4R/L-1545-C45-E10	●	●	●	●	●
		2.0	6.0	10	8.5	0.34	1.80	0.90	1.15	0.20	32	BF4R/L-2060-C45-E20	●	●	●	●	●
		2.5	7.5	10	8.5	0.43	2.25	1.13	1.30	0.20	32	BF4R/L-2575-C45-E20	●	●	●	●	●
		3.0	9.0	15	13.5	0.51	2.70	1.35	1.35	0.30	37	BF4R/L-3090-C45-E30	●	●	●	●	●
		3.5	10.5	15	13.5	0.60	3.15	1.58	1.60	0.30	37	BF4R/L-35105-C45-E30	●	●	●	●	●

D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	T	E	E1	C	E2	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	0.68	3.80	1.90	2.30	0.40	47	BF6R/L-40120-C45-E40	●	●	●	●	●
		5.0	15.0	20	18.5	0.85	4.75	2.37	2.50	0.50	47	BF6R/L-50150-C45-E50	●	●	●	●	●



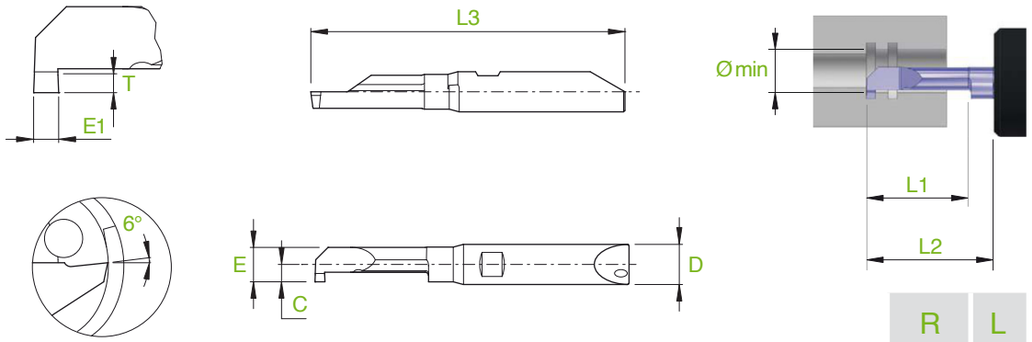


D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	T	E	C	R	L3	Art. N°	R ZTAF	R ZTAXF	R ZN	L ZTAF	L ZN
4	BH4… BHS4… BHY4… BHK4…	2.5	7.5	10	8.5	0.50	2.25	1.35	0.10	32	BB4R/L-2575-C45X-R10	●	●	●	●	●
			12.5	15	13.5	0.50	2.25	1.35	0.10	37	BB4R/L-25125-C45X-R10	●	●	●	●	●
		3.0	9.0	15	13.5	0.60	2.70	1.45	0.10	37	BB4R/L-3090-C45X-R10	●	●	●	●	●
			15.0	20	18.5	0.60	2.70	1.45	0.10	42	BB4R/L-30150-C45X-R10	●	●	●	●	●
		3.5	10.5	15	13.5	0.70	3.15	1.60	0.10	37	BB4R/L-35105-C45X-R10	●	●	●	●	●
			17.5	20	18.5	0.70	3.15	1.60	0.10	42	BB4R/L-35175-C45X-R10	●	●	●	●	●

D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	T	E	C	R	L3	Art. N°	R ZTAF	R ZTAXF	R ZN	L ZTAF	L ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	0.80	3.80	2.30	0.15	47	BB6R/L-40120-C45X-R15	●	●	●	●	●
			20.0	30	28.5	0.80	3.80	2.30	0.15	57	BB6R/L-40200-C45X-R15	●	●	●	●	●
		4.5	13.5	20	18.5	0.90	4.28	2.40	0.15	47	BB6R/L-45135-C45X-R15	●	●	●	●	●
			22.5	30	28.5	0.90	4.28	2.40	0.15	57	BB6R/L-45225-C45X-R15	●	●	●	●	●
		5.0	15.0	20	18.5	1.00	4.75	2.50	0.15	47	BB6R/L-50150-C45X-R15	●	●	●	●	●
			25.0	30	28.5	1.00	4.75	2.50	0.15	57	BB6R/L-50250-C45X-R15	●	●	●	●	●
		5.5	16.5	20	18.5	1.10	5.15	2.60	0.15	47	BB6R/L-55165-C45X-R15	●	●	●	●	●
			27.5	30	28.5	1.10	5.15	2.60	0.15	57	BB6R/L-55275-C45X-R15	●	●	●	●	●

D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	T	E	C	R	L3	Art. N°	R ZTAF	R ZTAXF	R ZN	L ZTAF	L ZN
4	BH4… BHS4… BHY4… BHK4…	2.5	7.5	10	8.5	0.50	2.25	1.35	0.10	32	BF4R/L-2575-C45X-R10	●	●	●	●	●
			12.5	15	13.5	0.50	2.25	1.35	0.10	37	BF4R/L-25125-C45X-R10	●	●	●	●	●
		3.0	9.0	15	13.5	0.60	2.70	1.45	0.10	37	BF4R/L-3090-C45X-R10	●	●	●	●	●
			15.0	20	18.5	0.60	2.70	1.45	0.10	42	BF4R/L-30150-C45X-R10	●	●	●	●	●
		3.5	10.5	15	13.5	0.70	3.15	1.60	0.10	37	BF4R/L-35105-C45X-R10	●	●	●	●	●
			17.5	20	18.5	0.70	3.15	1.60	0.10	42	BF4R/L-35175-C45X-R10	●	●	●	●	●

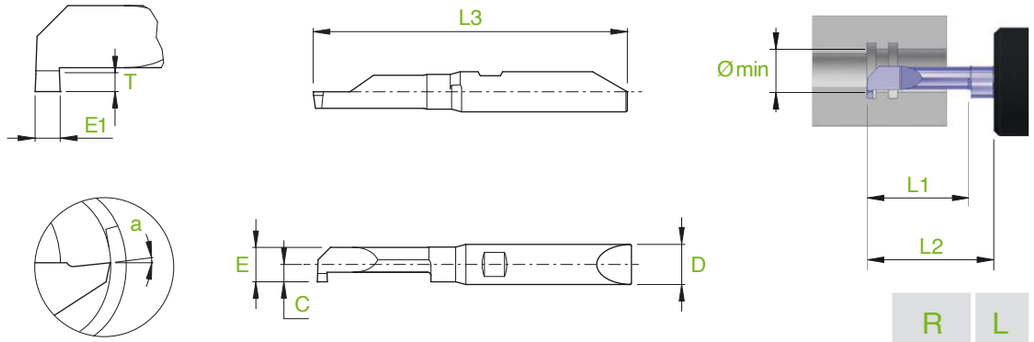
D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	T	E	C	R	L3	Art. N°	R ZTAF	R ZTAXF	R ZN	L ZTAF	L ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	0.80	3.80	2.30	0.15	47	BF6R/L-40120-C45X-R15	●	●	●	●	●
			20.0	30	28.5	0.80	3.80	2.30	0.15	57	BF6R/L-40200-C45X-R15	●	●	●	●	●
		4.5	13.5	20	18.5	0.90	4.28	2.40	0.15	47	BF6R/L-45135-C45X-R15	●	●	●	●	●
			22.5	30	28.5	0.90	4.28	2.40	0.15	57	BF6R/L-45225-C45X-R15	●	●	●	●	●
		5.0	15.0	20	18.5	1.00	4.75	2.50	0.15	47	BF6R/L-50150-C45X-R15	●	●	●	●	●
			25.0	30	28.5	1.00	4.75	2.50	0.15	57	BF6R/L-50250-C45X-R15	●	●	●	●	●
		5.5	16.5	20	18.5	1.10	5.15	2.60	0.15	47	BF6R/L-55165-C45X-R15	●	●	●	●	●
			27.5	30	28.5	1.10	5.15	2.60	0.15	57	BF6R/L-55275-C45X-R15	●	●	●	●	●



D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E1	T	E	C	L3	Art. N°	R ZTAF	R ZTAXF	R ZN	L ZTAF	L ZN
4	BH4… BHS4… BHY4… BHK4…	3.0	9.0	15	13.5	0.50	0.60	2.70	1.45	37	BB4R/L-3090-G050X	●	●	●	●	●
			15.0	20	18.5	0.50	0.60	2.70	1.45	42	BB4R/L-30150-G050X	●	●	●	●	●
		3.5	10.5	15	13.5	0.75	0.70	3.15	1.60	37	BB4R/L-35105-G075X	●	●	●	●	●
			17.5	20	18.5	0.75	0.70	3.15	1.60	42	BB4R/L-35175-G075X	●	●	●	●	●

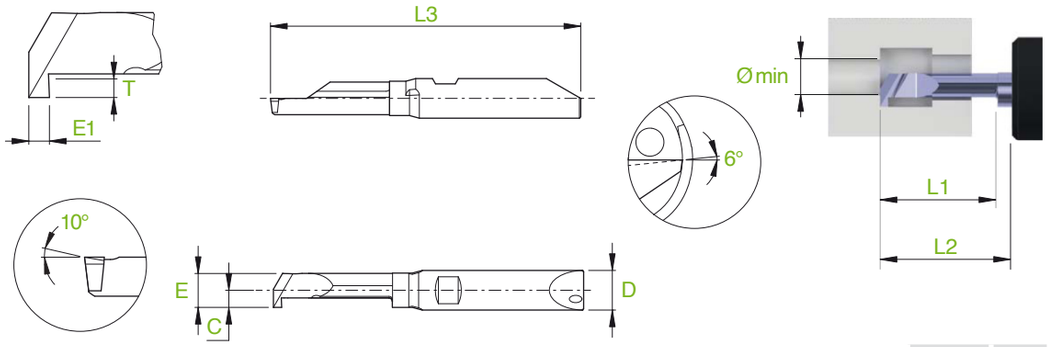
D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	E1	T	E	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	1.00	0.80	3.80	2.20	47	BB6R/L-40120-G100X	●	●	●	●	●
			20.0	30	28.5	1.00	0.80	3.80	2.20	57	BB6R/L-40200-G100X	●	●	●	●	●
		4.5	13.5	20	18.5	1.00	0.90	4.28	2.40	47	BB6R/L-45135-G100X	●	●	●	●	●
						1.50					BB6R/L-45135-G150X	●	●	●	●	●
			22.5	30	28.5	1.00	0.90	4.28	2.40	57	BB6R/L-45225-G100X	●	●	●	●	●
						1.50					BB6R/L-45225-G150X	●	●	●	●	●
		5.0	15.0	20	18.5	1.00	1.00	4.75	2.50	47	BB6R/L-50150-G100X	●	●	●	●	●
						1.50					BB6R/L-50150-G150X	●	●	●	●	●
			25.0	30	28.5	1.00	1.00	4.75	2.50	57	BB6R/L-50250-G100X	●	●	●	●	●
						1.50					BB6R/L-50250-G150X	●	●	●	●	●
		5.5	16.5	20	18.5	1.00	1.10	5.15	2.60	47	BB6R/L-55165-G100X	●	●	●	●	●
						1.50					BB6R/L-55165-G150X	●	●	●	●	●
						2.00					BB6R/L-55165-G200X	●	●	●	●	●
			27.5	30	28.5	1.00	1.10	5.15	2.60	57	BB6R/L-55275-G100X	●	●	●	●	●
						1.50					BB6R/L-55275-G150X	●	●	●	●	●
						2.00					BB6R/L-55275-G200X	●	●	●	●	●

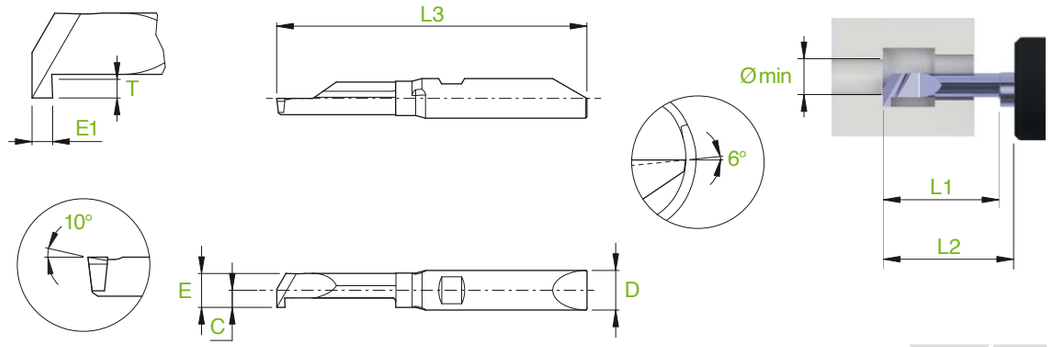
Zurück zum Kapitelanfang



D h5	Holder	Ø min	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E1	T	E	a	C	L3	Art. N°	R ZTAF	R ZTAXF	R ZN	L ZTAF	L ZN
4	BH4… BHS4… BHY4… BHK4…	0.5	1.0	10	8.5	0.15	0.10	0.45	3°	0.25	32	BF4R/L-0510-G015X	●	●	●	●	●
		0.7	1.4	10	8.5	0.20	0.14	0.63		0.35	32	BF4R/L-0714-G020X	●	●	●	●	●
		1.0	2.0	10	8.5	0.30	0.20	0.90		0.60	32	BF4R/L-1020-G030X	●	●	●	●	●
		1.5	3.0	10	8.5	0.40	0.30	1.35	6°	0.80	32	BF4R/L-1530-G040X	●	●	●	●	●
		2.0	6.0	10	8.5	0.40	0.40	1.80		1.15	32	BF4R/L-2060-G040X	●	●	●	●	●
		2.5	7.5	10	8.5	0.50	0.50	2.25		1.15	32	BF4R/L-2575-G050X	●	●	●	●	●
		3.0	9.0	15	13.5	0.50	0.60	2.70		1.45	37	BF4R/L-3090-G050X	●	●	●	●	●
			15.0	20	18.5	0.50	0.60	2.70		1.45	42	BF4R/L-30150-G050X	●	●	●	●	●
		3.5	10.5	15	13.5	0.75	0.70	3.15		1.60	37	BF4R/L-35105-G075X	●	●	●	●	●
			17.5	20	18.5	0.75	0.70	3.15		1.60	42	BF4R/L-35175-G075X	●	●	●	●	●

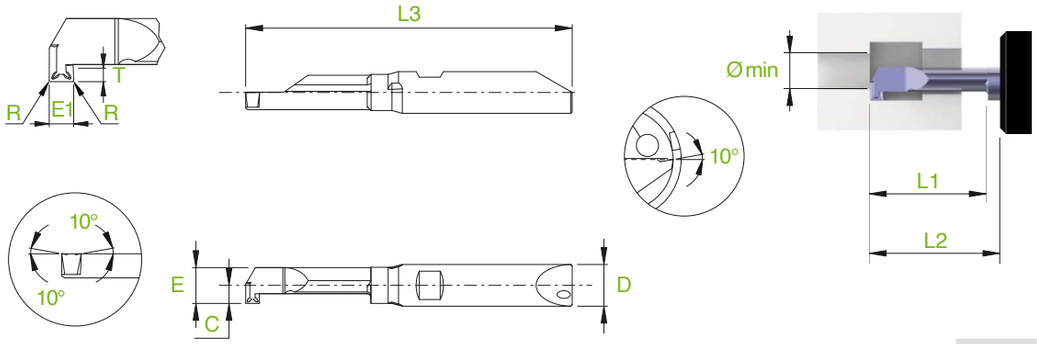
D h5	Holder	Ø min	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	E1	T	E	a	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	12.0	20	18.5	1.00	0.80	3.80	6°	2.20	47	BF6R/L-40120-G100X	●	●	●	●	●
			20.0	30	28.5	1.00	0.80	3.80		2.20	57	BF6R/L-40200-G100X	●	●	●	●	●
		4.5	13.5	20	18.5	1.00	0.90	4.28		2.40	47	BF6R/L-45135-G100X	●	●	●	●	●
						1.50						BF6R/L-45135-G150X	●	●	●	●	●
			22.5	30	28.5	1.00	0.90	4.28		2.40	57	BF6R/L-45225-G100X	●	●	●	●	●
						1.50						BF6R/L-45225-G150X	●	●	●	●	●
		5.0	15.0	20	18.5	1.00	1.00	4.75		2.50	47	BF6R/L-50150-G100X	●	●	●	●	●
						1.50						BF6R/L-50150-G150X	●	●	●	●	●
			25.0	30	28.5	1.00	1.00	4.75		2.50	57	BF6R/L-50250-G100X	●	●	●	●	●
						1.50						BF6R/L-50250-G150X	●	●	●	●	●
		5.5	16.5	20	18.5	1.00	1.10	5.15		2.60	47	BF6R/L-55165-G100X	●	●	●	●	●
						1.50						BF6R/L-55165-G150X	●	●	●	●	●
						2.00						BF6R/L-55165-G200X	●	●	●	●	●
			27.5	30	28.5	1.00	1.10	5.15		2.60	57	BF6R/L-55275-G100X	●	●	●	●	●
						1.50						BF6R/L-55275-G150X	●	●	●	●	●
						2.00						BF6R/L-55275-G200X	●	●	●	●	●





												R			L	
D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E1	T	E	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4… BHS4… BHY4… BHK4…	3.0	9.0	15	13.5	1.00	0.60	2.7	1.45	37	BB4R/L-3090-GT100X	●	●	●	●	●
			15.0	20	18.5	1.00	0.60	2.7	1.45	42	BB4R/L-30150-GT100X	●	●	●	●	●
		3.5	10.5	15	13.5	1.00	0.70	3.15	1.6	37	BB4R/L-35105-GT100X	●	●	●	●	●
			17.5	20	18.5	1.00	0.70	3.15	1.6	42	BB4R/L-35175-GT100X	●	●	●	●	●
6	BH6… BHS6… BHY6… BHK6…	4.0	14.0	20	18.5	1.25	0.80	3.8	2.2	47	BB6R/L-40140-GT125X	●	●	●	●	●
			22.0	30	28.5	1.25	0.80	3.8	2.2	57	BB6R/L-40220-GT125X	●	●	●	●	●
		4.5	16.0	20	18.5	1.25	0.90	4.28	2.4	47	BB6R/L-45160-GT125X	●	●	●	●	●
			25.0	30	28.5	1.25	0.90	4.28	2.4	57	BB6R/L-45250-GT125X	●	●	●	●	●
		5.0	17.5	20	18.5	1.25	1.00	4.75	2.5	47	BB6R/L-50175-GT125X	●	●	●	●	●
			27.5	30	28.5	1.25	1.00	4.75	2.5	57	BB6R/L-50275-GT125X	●	●	●	●	●
		5.5	17.5	20	18.5	1.25	1.10	5.15	2.6	47	BB6R/L-55175-GT125X	●	●	●	●	●
			27.5	30	28.5	1.25	1.10	5.15	2.6	57	BB6R/L-55275-GT125X	●	●	●	●	●

												R			L	
D h5	Holder	Ømin	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E1	T	E	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4… BHS4… BHY4… BHK4…	3.0	9.0	15	13.5	1.00	0.60	2.7	1.45	37	BF4R/L-3090-GT100X	●	●	●	●	●
			15.0	20	18.5	1.00	0.60	2.7	1.45	42	BF4R/L-30150-GT100X	●	●	●	●	●
		3.5	10.5	15	13.5	1.00	0.70	3.15	1.6	37	BF4R/L-35105-GT100X	●	●	●	●	●
			17.5	20	18.5	1.00	0.70	3.15	1.6	42	BF4R/L-35175-GT100X	●	●	●	●	●
6	BH6… BHS6… BHY6… BHK6…	4.0	14.0	20	18.5	1.25	0.80	3.8	2.2	47	BF6R/L-40140-GT125X	●	●	●	●	●
			22.0	30	28.5	1.25	0.80	3.8	2.2	57	BF6R/L-40220-GT125X	●	●	●	●	●
		4.5	16.0	20	18.5	1.25	0.90	4.28	2.4	47	BF6R/L-45160-GT125X	●	●	●	●	●
			25.0	30	28.5	1.25	0.90	4.28	2.4	57	BF6R/L-45250-GT125X	●	●	●	●	●
		5.0	17.5	20	18.5	1.25	1.00	4.75	2.5	47	BF6R/L-50175-GT125X	●	●	●	●	●
			27.5	30	28.5	1.25	1.00	4.75	2.5	57	BF6R/L-50275-GT125X	●	●	●	●	●
		5.5	17.5	20	18.5	1.25	1.10	5.15	2.6	47	BF6R/L-55175-GT125X	●	●	●	●	●
			27.5	30	28.5	1.25	1.10	5.15	2.6	57	BF6R/L-55275-GT125X	●	●	●	●	●



												R		
D	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	E1	T	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.0	14.0	20	18.5	1.25	0.80	3.8	2.2	0.08	47	BB6R-40140-GT125ZFX-R08	●	●	●
			22.0	30	28.5	1.25	0.80	3.8	2.2	0.08	57	BB6R-40220-GT125ZFX-R08	●	●	●
		4.5	16.0	20	18.5	1.25	0.90	4.28	2.4	0.08	47	BB6R-45160-GT125ZFX-R08	●	●	●
			25.0	30	28.5	1.25	0.90	4.28	2.4	0.08	57	BB6R-45250-GT125ZFX-R08	●	●	●
		5.0	17.5	20	18.5	1.25	1.00	4.75	2.5	0.08	47	BB6R-50175-GT125ZFX-R08	●	●	●
			17.5	20	18.5	2.00	1.00	4.75	2.5	0.08	47	BB6R-50175-GT200ZFX-R08	●	●	●
			27.5	30	28.5	1.25	1.00	4.75	2.5	0.08	57	BB6R-50275-GT125ZFX-R08	●	●	●
			27.5	30	28.5	2.00	1.00	4.75	2.5	0.08	57	BB6R-50275-GT200ZFX-R08	●	●	●
		5.5	17.5	20	18.5	1.25	1.10	5.15	2.6	0.08	47	BB6R-55175-GT125ZFX-R08	●	●	●
			17.5	20	18.5	2.00	1.10	5.15	2.6	0.08	47	BB6R-55175-GT200ZFX-R08	●	●	●
			27.5	30	28.5	1.25	1.10	5.15	2.6	0.08	57	BB6R-55275-GT125ZFX-R08	●	●	●
			27.5	30	28.5	2.00	1.10	5.15	2.6	0.08	57	BB6R-55275-GT200ZFX-R08	●	●	●

GT-ZFX

Géométrie de coupe innovante avec brise copeaux de dernière génération
Innovative Schneidgeometrie mit Spanbrecher der neuesten Generation
Innovative cutting geometry with next-generation chip breaker



Laser geometry

Très bonne maîtrise du copeau pour matières difficiles

Sehr gute Spankontrolle für schwierige Werkstoffe

Very efficient chip control for difficult materials



Three-directional

Géométrie tri-directionnelle permettant un usinage optimal aussi bien en fonçage qu'en tournage, avant et arrière

Drei-direktionale Geometrie für eine optimale Bearbeitung sowohl im Senken als auch im Drehen, vorwärts und rückwärts

Three-directional geometry enabling optimal machining in both plunging and turning, forward and reverse



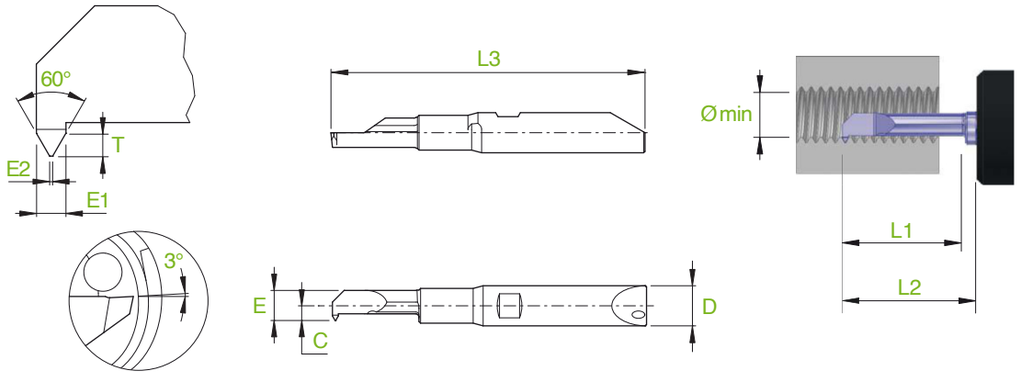
Sharp cutting edge

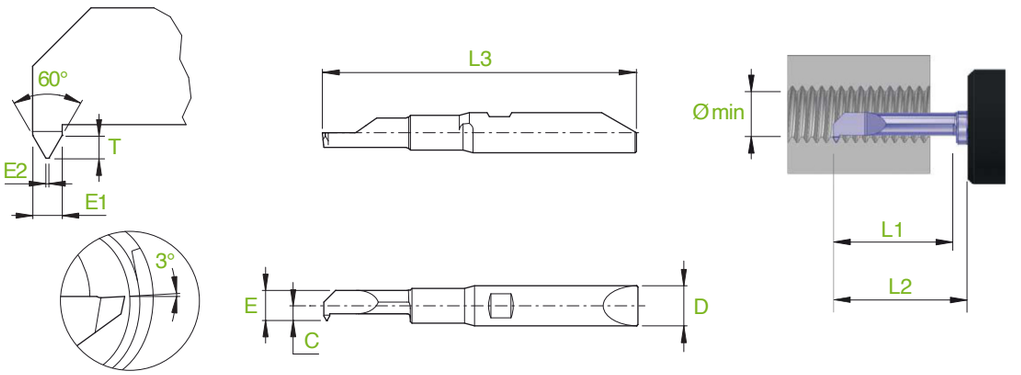
L'arête de coupe vive assure une finition de haute qualité, réduisant l'effort et l'usure des outils

Die scharfe Schneidkante sorgt für eine hochwertige Oberflächengüte und verringert sowohl die Schnittkräfte als auch den Werkzeugverschleiss

The sharp cutting edge ensures a high-quality finish while reducing cutting forces and tool wear





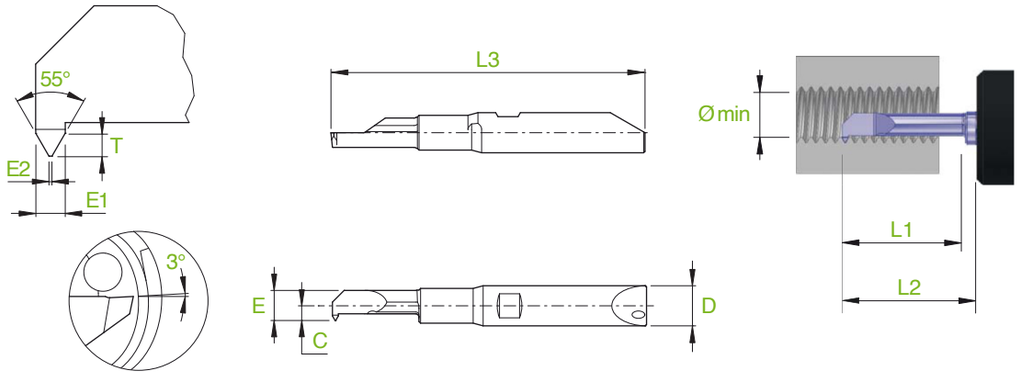


D h5	Holder	Ø min	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	P (mm)	P (TPI)	E1	E2 (0/-0.01)	T	E	C	L3	Art. N°	R ZTAF	R ZN	L ZTAF	L ZN
4	BH4… BHS4… BHY4… BHK4…	1.25	3.2	10	8.5	0.20-0.35	80	0.30	0.02	0.25	1.10	0.80	32	BB4R/L-1232-TP60	●	●	●	●
		1.6	4.0	10	8.5	0.25-0.40	72-64	0.35	0.03	0.28	1.41	0.90	32	BB4R/L-1640-TP60	●	●	●	●
		2.5	6.0	10	8.5	0.35-0.50	56-48	0.44	0.04	0.34	2.25	1.35	32	BB4R/L-2560-TP60	●	●	●	●
			9.0	15	13.5	0.35-0.50	56-48	0.44	0.04	0.34	2.25	1.35	37	BB4R/L-2590-TP60	●	●	●	●
		3.3	8.0	15	13.5	0.50-0.75	40-36	0.62	0.06	0.48	2.97	1.50	37	BB4R/L-3380-TP60	●	●	●	●
			12.0	15	13.5	0.50-0.75	40-36	0.62	0.06	0.48	2.97	1.50	37	BB4R/L-33120-TP60	●	●	●	●

D h5	Holder	Ø min	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	P (mm)	P (TPI)	E1	E2 (0/-0.01)	T	E	C	L3	Art. N°	ZTAF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.2	10.0	20	18.5	0.50-0.80	36-32	0.70	0.06	0.55	3.78	2.10	47	BB6R/L-42100-TP60	●	●	●	●
			15.0	20	18.5	0.50-0.80	36-32	0.70	0.06	0.55	3.78	2.10	47	BB6R/L-42150-TP60	●	●	●	●
		5.0	12.0	20	18.5	0.75-1.00	28-24	0.89	0.09	0.69	4.50	2.20	47	BB6R/L-50120-TP60	●	●	●	●
			18.0	20	18.5	0.75-1.00	28-24	0.89	0.09	0.69	4.50	2.20	47	BB6R/L-50180-TP60	●	●	●	●

D h5	Holder	Ø min	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	P (mm)	P (TPI)	E1	E2 (0/-0.01)	T	E	C	L3	Art. N°	R ZTAF	R ZN	L ZTAF	L ZN
4	BH4… BHS4… BHY4… BHK4…	1.25	3.2	10	8.5	0.20-0.35	80	0.30	0.02	0.25	1.10	0.80	32	BF4R/L-1232-TP60	●	●	●	●
		1.6	4.0	10	8.5	0.25-0.40	72-64	0.35	0.03	0.28	1.41	0.90	32	BF4R/L-1640-TP60	●	●	●	●
		2.5	6.0	10	8.5	0.35-0.50	56-48	0.44	0.04	0.34	2.25	1.35	32	BF4R/L-2560-TP60	●	●	●	●
			9.0	15	13.5	0.35-0.50	56-48	0.44	0.04	0.34	2.25	1.35	37	BF4R/L-2590-TP60	●	●	●	●
		3.3	8.0	15	13.5	0.50-0.75	40-36	0.62	0.06	0.48	2.97	1.50	37	BF4R/L-3380-TP60	●	●	●	●
			12.0	15	13.5	0.50-0.75	40-36	0.62	0.06	0.48	2.97	1.50	37	BF4R/L-33120-TP60	●	●	●	●

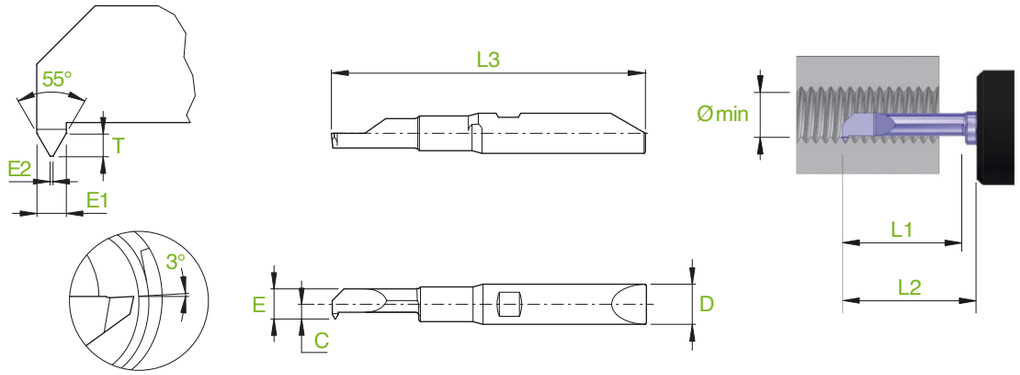
D h5	Holder	Ø min	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	P (mm)	P (TPI)	E1	E2 (0/-0.01)	T	E	C	L3	Art. N°	ZTAF	ZN	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	4.2	10.0	20	18.5	0.50-0.80	36-32	0.70	0.06	0.55	3.78	2.10	47	BF6R/L-42100-TP60	●	●	●	●
			15.0	20	18.5	0.50-0.80	36-32	0.70	0.06	0.55	3.78	2.10	47	BF6R/L-42150-TP60	●	●	●	●
		5.0	12.0	20	18.5	0.75-1.00	28-24	0.89	0.09	0.69	4.50	2.20	47	BF6R/L-50120-TP60	●	●	●	●
			18.0	20	18.5	0.75-1.00	28-24	0.89	0.09	0.69	4.50	2.20	47	BF6R/L-50180-TP60	●	●	●	●



D h5	Holder	Ø min	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	P (TPI)	E1	E2 (0/-0.02)	T	E	C	L3	Art. N°	R ZTAF	R ZN	L ZTAF	L ZN
4	BH4… BHS4…	1.85	4.5	10	8.5	48	0.54	0.09	0.44	1.67	0.97	32	BB4R/L-1845-TP55	●	●	●	●
	BHY4… BHK4…	2.55	6.0	10	8.5	40	0.64	0.10	0.52	2.25	1.35	32	BB4R/L-2560-TP55	●	●	●	●

D h5	Holder	Ø min	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	P (TPI)	E1	E2 (0/-0.02)	T	E	C	L3	Art. N°	ZTAF	ZN	ZTAF	ZN
6	BH6…	3.70	11.0	20	18.5	32-24	1.08	0.13	0.91	3.33	1.83	47	BB6R/L-37110-TP55	●	●	●	●
	BHS6… BHY6…	5.10	15.0	20	18.5	26-20	1.30	0.16	1.09	4.60	2.05	47	BB6R/L-51150-TP55	●	●	●	●
	BHK6…	5.50	16.0	20	18.5	22-16	1.48	0.19	1.24	5.15	2.60	47	BB6R/L-55160-TP55	●	●	●	●

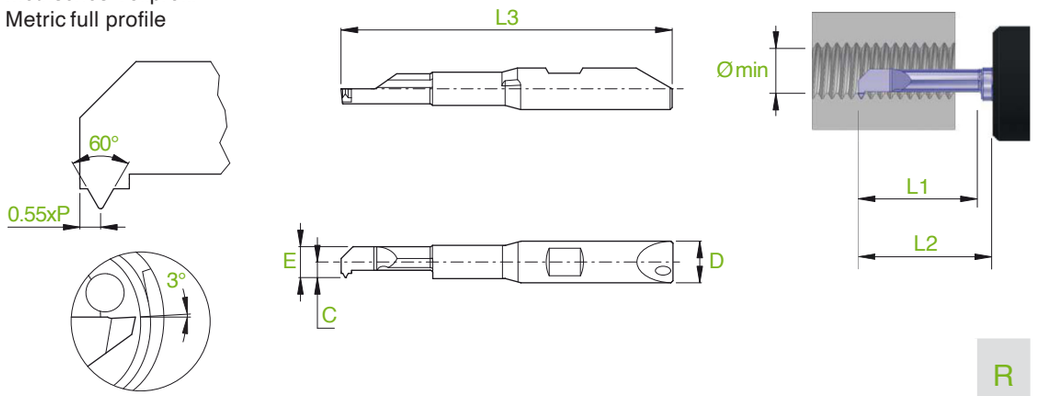
Zurück zum Kapitelanfang



D h5	Holder	Ø min	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	P (TPI)	E1	E2 (0/-0.02)	T	E	C	L3	Art. N°	R ZTAF	R ZN	L ZTAF	L ZN
4	BH4… BHS4…	1.85	4.5	10	8.5	48	0.54	0.09	0.44	1.67	0.97	32	BF4R/L-1845-TP55	●	●	●	●
	BHY4… BHK4…	2.55	6.0	10	8.5	40	0.64	0.10	0.52	2.25	1.35	32	BF4R/L-2560-TP55	●	●	●	●

D h5	Holder	Ø min	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	P (TPI)	E1	E2 (0/-0.02)	T	E	C	L3	Art. N°	ZTAF	ZN	ZTAF	ZN
6	BH6…	3.70	11.0	20	18.5	32-24	1.08	0.13	0.91	3.33	1.83	47	BF6R/L-37110-TP55	●	●	●	●
	BHS6… BHY6…	5.10	15.0	20	18.5	26-20	1.30	0.16	1.09	4.60	2.05	47	BF6R/L-51150-TP55	●	●	●	●
	BHK6…	5.50	16.0	20	18.5	22-16	1.48	0.19	1.24	5.15	2.60	47	BF6R/L-55160-TP55	●	●	●	●

Profil complet métrique
Metrisches Vollprofil
Metric full profile



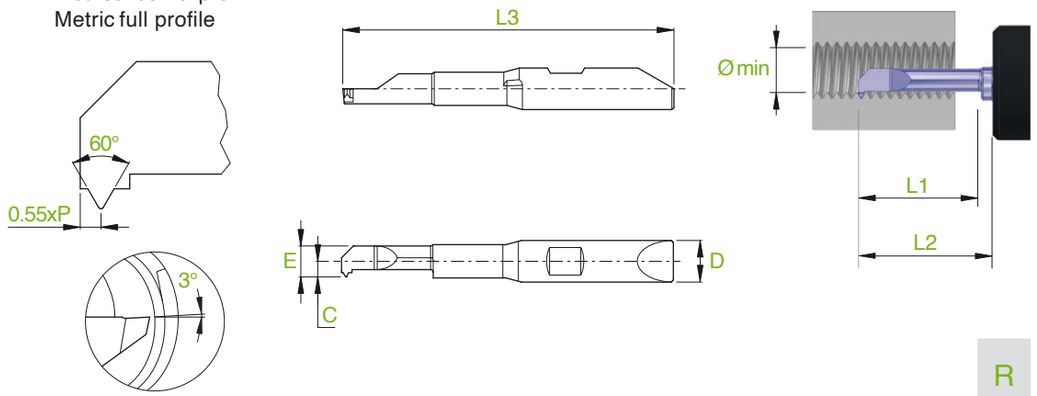
R

D h5	Holder	M (min)	Ømin	P (mm)	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E	C	L3	Art. N°	ZTAF	ZN
4	BH4… BHS4… BHY4… BHK4…	M3x0.5	2.50	0.50	6.0	10	8.5	2.25	1.35	32	BB4R-2560-TM-0.50	●	●
		M4x0.7	3.30	0.70	8.0	15	13.5	2.97	1.50	37	BB4R-3380-TM-0.70	●	●

D h5	Holder	M (min)	Ømin	P (mm)	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	E	C	L3	Art. N°	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	M5x0.8	4.20	0.80	10.0	20	18.5	3.78	2.10	47	BB6R-42100-TM-0.80	●	●
		M6x1.0	5.00	1.00	12.0	20	18.5	4.50	2.20	47	BB6R-50120-TM-1.00	●	●

Zurück zum Kapitelanfang

Profil complet métrique
Metrisches Vollprofil
Metric full profile

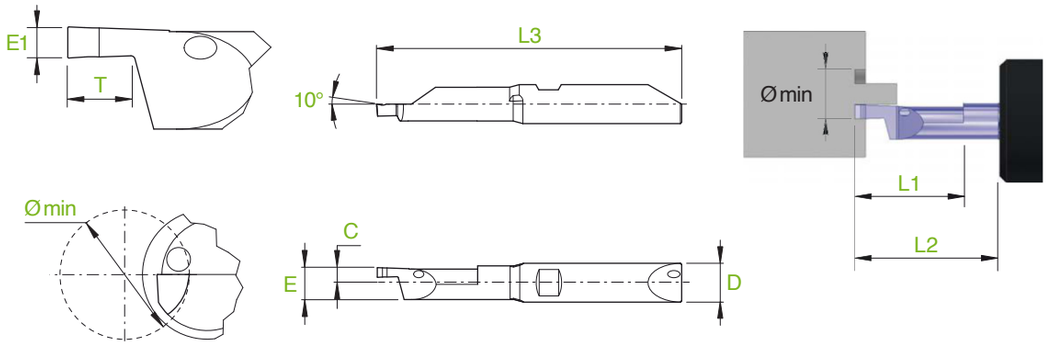


R

D h5	Holder	M (min)	Ømin	P (mm)	L1	L2 BH4… BHY4…	L2 BHS4… BHK4…	E	C	L3	Art. N°	ZTAF	ZN
4	BH4… BHS4… BHY4… BHK4…	M3x0.5	2.50	0.50	6.0	10	8.5	2.25	1.35	32	BF4R-2560-TM-0.50	●	●
		M4x0.7	3.30	0.70	8.0	15	13.5	2.97	1.50	37	BF4R-3380-TM-0.70	●	●

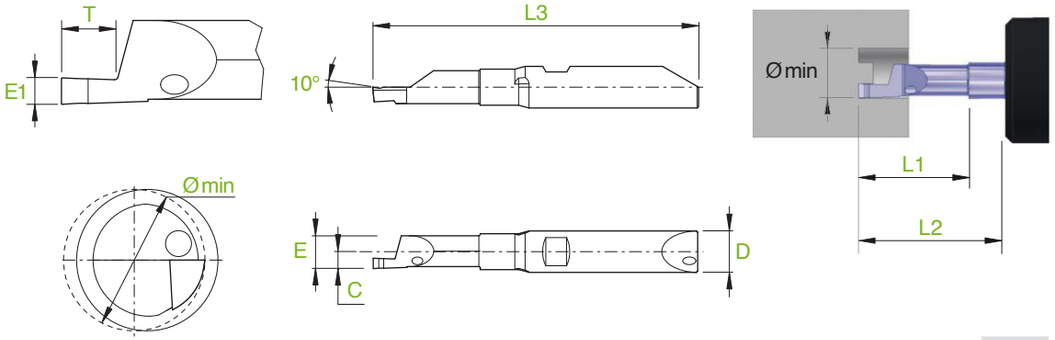
D h5	Holder	M (min)	Ømin	P (mm)	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	E	C	L3	Art. N°	ZTAF	ZN
6	BH6… BHS6… BHY6… BHK6…	M5x0.8	4.20	0.80	10.0	20	18.5	3.78	2.10	47	BF6R-42100-TM-0.80	●	●
		M6x1.0	5.00	1.00	12.0	20	18.5	4.50	2.20	47	BF6R-50120-TM-1.00	●	●

FEG | BB6… | Gorgefrontale extérieure / Aussen axiales stechen / External axial grooving



D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	T	E	C	E1	L3	Art. N°	R ZTAF	R ZN
6	BH6… BHS6… BHY6… BHK6…	5.0	15.0	20	18.5	3.00	4.90	2.30	1.50	47	BB6R-50150-FEG150X	●	●

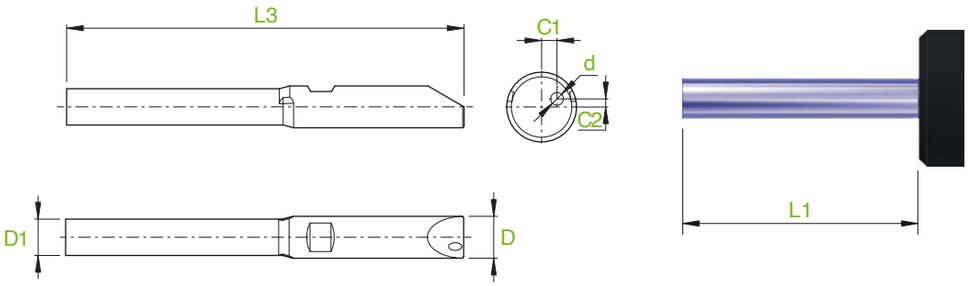
Gorgefrontale intérieure / Innen axiales stechen / Internal axial grooving | BB6… | FIG



D h5	Holder	Ømin	L1	L2 BH6… BHY6…	L2 BHS6… BHK6…	T	E	C	E1	L3	Art. N°	R ZTAF	R ZN
6	BH6… BHS6… BHY6… BHK6…	5.0	15.0	20	18.5	3.00	4.75	2.45	1.50	47	BB6R-50150-FIG150X	●	●

BB_E | BB4…/ BB6…

Ébauches avec arrosage
Rohlinge mit Kühlung
Blanks with coolant



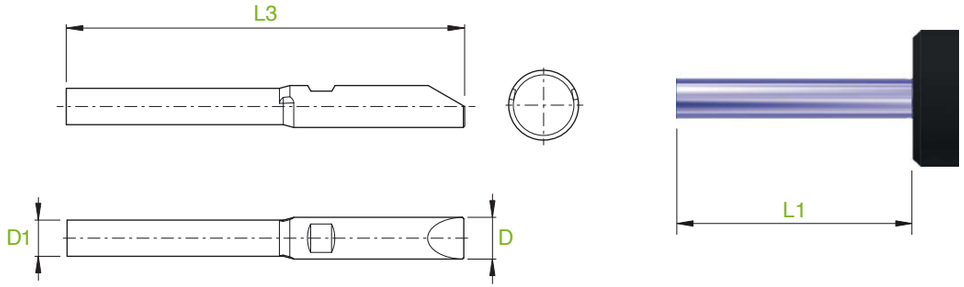
D h5	Holder	L1 BH4… BHY4…	L1 BHS4… BHK4…	D1	C1	C2	d	L3	Art. N°	ZN
4	BH4… BHS4… BHY4… BHK4…	20.0	18.5	3.20	0.84	0.55	0.85	42	BB4R-E42	●

D h5	Holder	L1 BH6… BHY6…	L1 BHS6… BHK6…	D1	C1	C2	d	L3	Art. N°	ZN
6	BH6… BHS6… BHY6… BHK6…	30.0	28.5	5.20	1.33	0.70	1.10	57	BB6R-E57	●

Zurück zum Kapitelanfang

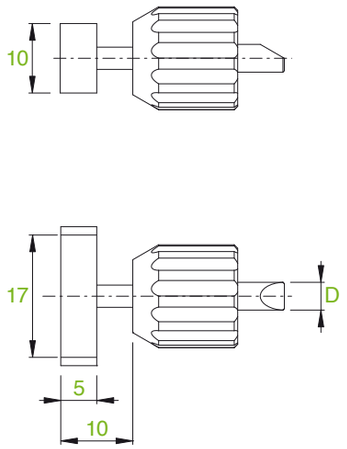
Ébauches
Rohlinge
Blanks

BF4…/ BF6… | BF_E



D h5	Holder	L1 BH4… BHY4…	L1 BHS4… BHK4…	D1	L3	Art. N°	ZN
4	BH4… BHS4… BHY4… BHK4…	20.0	18.5	3.20	42	BF4-E42	●

D h5	Holder	L1 BH6… BHY6…	L1 BHS6… BHK6…	D1	L3	Art. N°	ZN
6	BH6… BHS6… BHY6… BHK6…	30.0	28.5	5.20	57	BF6-E57	●



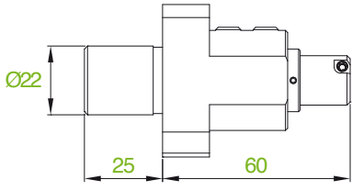


D h5	Art. N°	
4	BH4-MASTER	●
6	BH6-MASTER	●

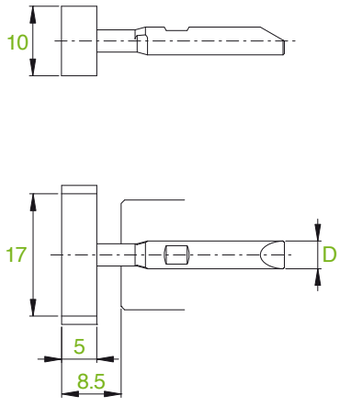


Art. N°
BWD1-2022-STAR-SRR

Art. N°
BHS4-D20-55-BWD1
BHS6-D20-55-BWD1



Types of STARmachines
SR10J (T22+T24)
SB16/20 Types C+ D + E (T21-T24)
SB20R Types E + G+ N (T21-T24)
SR20J / JN (T21-T24)
SR20R/ II / III (T21-T24)
SR20R IV (T21-T24)
SR32J/JN (T21-T24)
SW12RII (T21-T24)
SV20R (T21-T24)
ECAS12/20 (T21-T24)
SW20 (T21-T23)





D h5	Art. N°	
4	BHSY4-MASTER	●
6	BHSY6-MASTER	●

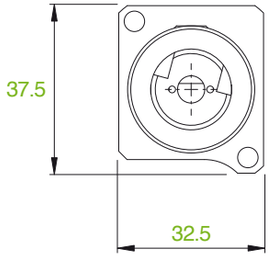


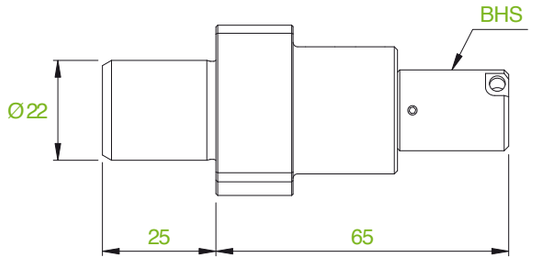
Art. N°
BWD1-2022-STAR-SW

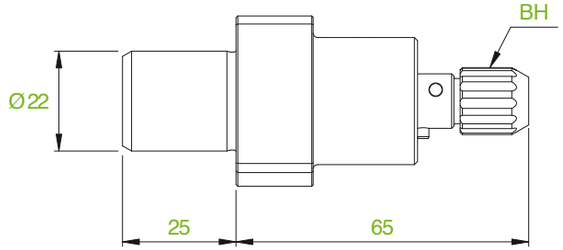
Art. N°
BHS4-D20-55-BWD1
BHS6-D20-55-BWD1



Types of STARmachines
SW12RII (T21-T28)
SW20 (T21-T23 + T25-T27)
SV20R (T21-T28)
SR-20R IV (T21-T28)
SB12/20R (T22-T24)
SR38 (T21-T28)









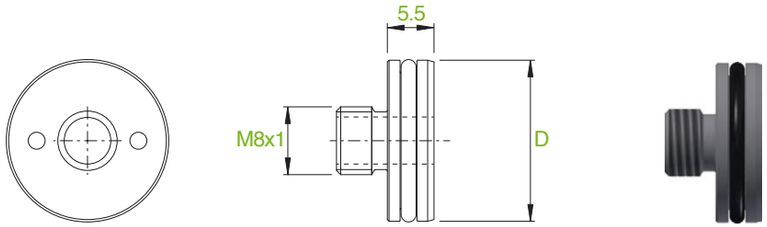
Art. N°
BWD1-1222-STAR-SW-B

Art. N°
BHS4-D12-51-BWD1-B
BHS6-D12-51-BWD1-B

Art. N°
BH4-D12-51-BWD1-B
BH6-D12-51-BWD1-B

Types of STARmachines
SW12RII (T21-T28)
SW20 (T21-T23 + T25-T27)
SV20R (T21-T28)
SR-20R IV (T21-T28)
SB12/20R (T22-T24)
SR38 (T21-T28)





D	Art. N°	
19.05	JB-M8X1-D19.05	●
20	JB-M8X1-D20	●
22	JB-M8X1-D22	●
25	JB-M8X1-D25	●
25.4	JB-M8X1-D25.4	●