IN-Line

APPLITEC
CUTTING TOOLS

Index

Codification Kodifizierung Coding guide			> 12.03
Infos et avantages Infos und Vorteile Infos and advantages			> 12.06
Nuances & paramètres de coupe Sorten & Schnittwerte Grades & machining data			> 12.10
Porte-outils Halter Holders	**BH / BHS / BHY / BHK**		> 12.12
Alésage Ausbohren Boring	**BA / BAX**		> 12.22
Alésage-copiage Ausbohren-kopieren Boring-chambering	**BCX**		> 12.26
Copiage Kopieren Chambering	**C45 / C45X**		> 12.28
Gorge Einstechen Grooving	**GX**		> 12.32
Fonçage-tournage Einstechen und drehen Grooving and turning	**GTX**		> 12.34
Fonçage-tournage Einstechen und drehen Grooving and turning	**GT-ZFX**		> 12.36
Filetage Gewindedrehen Threading	**TP60° / TP55° / TM**		> 12.38
Gorge frontale Axiales Stechen Axial grooving	**FEG / FIG**		> 12.44
Ébauches / Jauges d'alignement / Adaptations machines / Accessoires Rohlinge / Richtplatten / Maschinenanpassungen / Zubehöre Blanks / Adjusting tools / Machines adapters / Accessories			> 12.46

Codification des porte-outils
Kodifizierung für Halter
Coding guide for holders

BH-D / BHS
BHS-D / BHY-D

H **HS** **HY**

B	H	4	–	D	20	–	100

- 100: Longueur / Länge / Length
- 20: Ø/⏍ queue / Schaft Ø/⏍ / Shank Ø/⏍
- D: Queue cylindrique / Zylindrischer Schaft / Cylindrical shank
- 4: Ø alésage / Bohrung Ø / Bore Ø
- H: Porte-outils / Halter / Holders
- B: Ligne produit d'alésage / Innendrehen Produktlinie / Boring product line

BHK

Codification des porte-outils
Kodifizierung für Halter
Coding guide for holders

HK

B	HK	4	N	–	20	–	32R

- **B** — Ligne produit d'alésage / Innendrehen Produktlinie / Boring product line
- **HK** — Porte-outils / Halter / Holders
- **4** — Ø alésage / Bohrung Ø / Bore Ø
- **N** — Géométrie du porte-outil / Haltergeometrie / Tool holder geometry
- **20** — ⏍ queue / Schaft ⏍ / Shank ⏍
- **32R** — Barres d'alésage compatibles (longueur L3) / Kompatible Bohrstangen (Länge L3) / Compatible boring bars (length L3)

Codification des barres d'alésage
Kodifizierung für Bohrstangen
Coding guide for holders

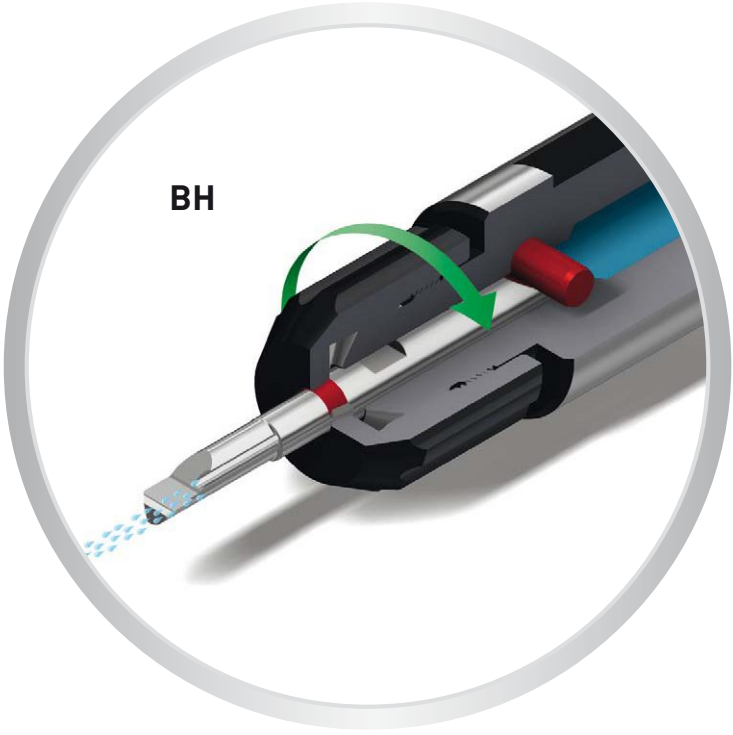
B Arrosage intégré
Intergrieter Kühlmittelzufuhr
Integrated coolant supply

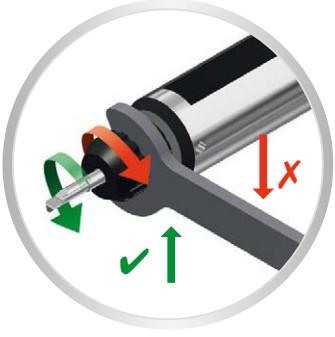
F Sans arrosage
Ohne Kühlung
Without coolant

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

- **B** — Ligne produit d'alésage / Innendrehen Produktlinie / Boring product line
- **4** — Ø queue / Schaft Ø / Shank Ø
- **R** — Exécution R/L / Ausführung R/L / Execution R/L
- **25** — Ø minimum / Minimal Ø / Minimum Ø
- **75** — Longueur utile / Nutzlänge / Length
- **BAX** — Géométries de coupe / Schneidgeometrien / Cutting geometries
- **R05** — Indication complémentaire / Zusätzliche Angabe / Additional indication
  R = rayon / Radius / radius
- **ZN** — Nuance / Sorte / Grade

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

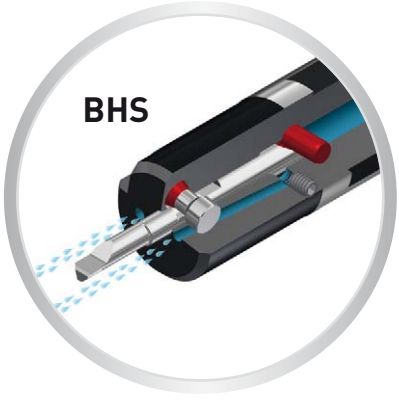




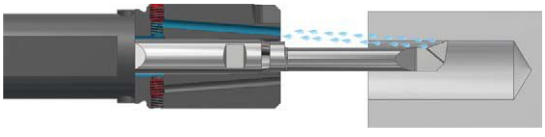
Porte-outils avec arrosage multiple
Halter mit mehrfaches Kühlungssystem
Holders with multiple coolant system

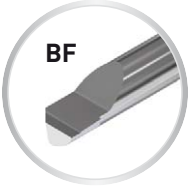
Infos et avantages
Infos und Vorteile
Infos and advantages

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

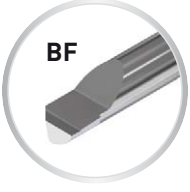


Arrosage sur l'arête de coupe
Kühlung auf der Schneidkante
Cooling on the cutting edge

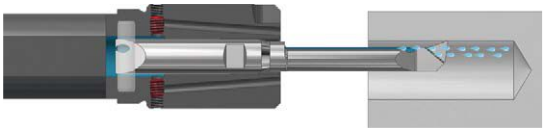


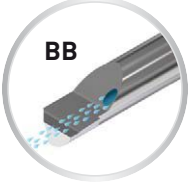


Arrosage favorisant l'évacuation des copeaux
Spanabfuhr fördernde Kühlung
Cooling for better chip outflow



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



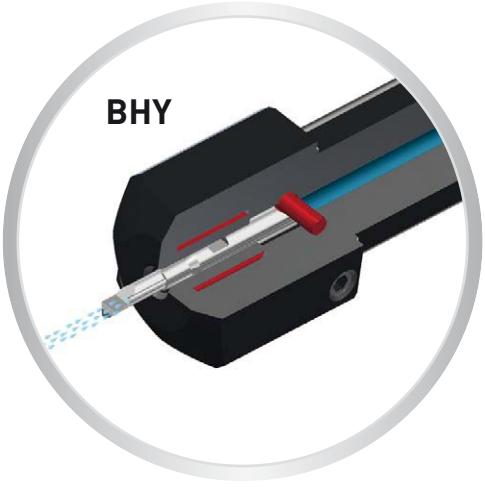


Infos et avantages
Infos und Vorteile
Infos and advantages

Porte-outils à serrage hydraulique
Hydro-Dehnspann-System Halter
Holders with hydraulic clamping system

Excellente absorption des vibrations
Ausgezeichnete Schwingungsdämpfung
Excellent vibration absorbtion

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

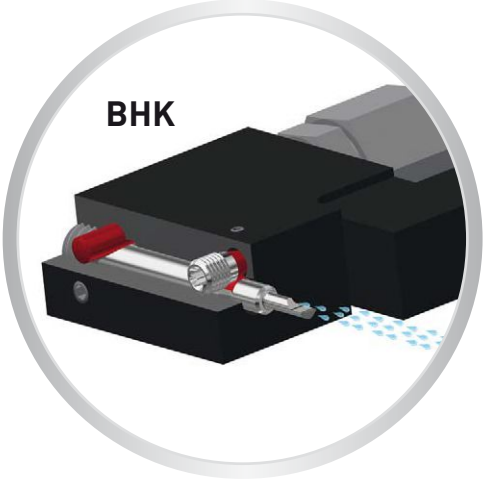


Infos et avantages
Infos und Vorteile
Infos and advantages

Porte-outils coudés
Gekröpfte Halter
Cranked holders

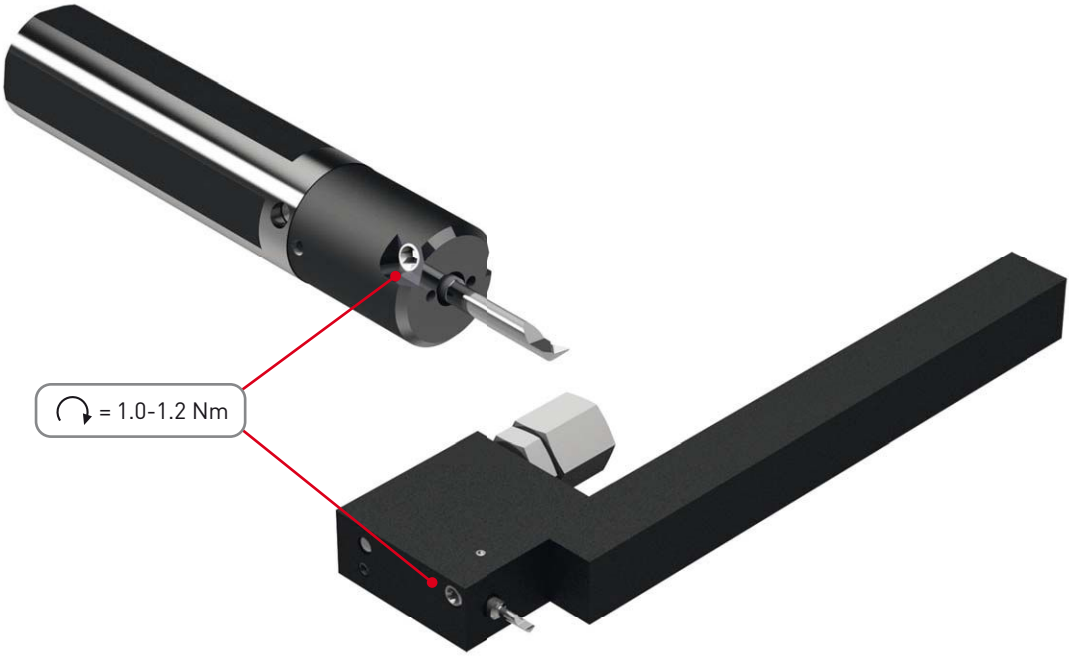
Système de serrage à vis transversale
Querverschraubungsspannsystem
Clamping system with transverse screw

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



Recommandations de serrage
Spannempfehlungen
Clamping recommendations

Infos et avantages
Infos und Vorteile
Infos and advantages



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

ZTAF

µK30

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

ZTAXF

µK30

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, ...

ZN

µK30

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

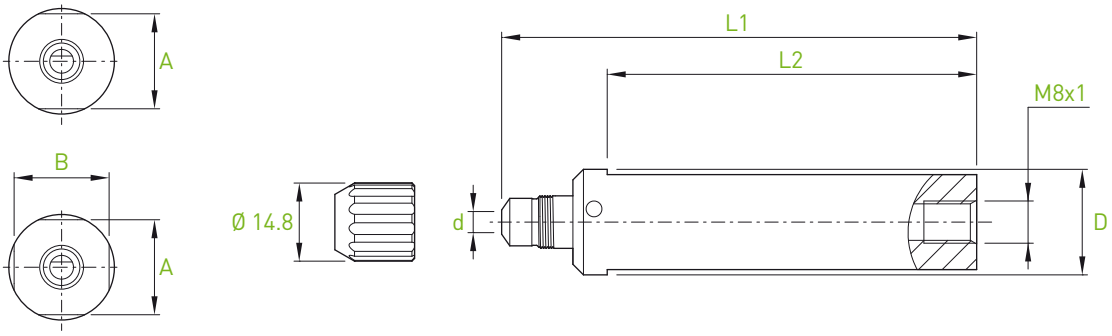
- tough base micro-grain grade
- first choice for non-ferrous materials

Paramètres de coupe
Schnittwerte
Machining data

Matière Werkstoff Material		VC (m/min)	Ø barre 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

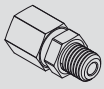
BH4-D

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



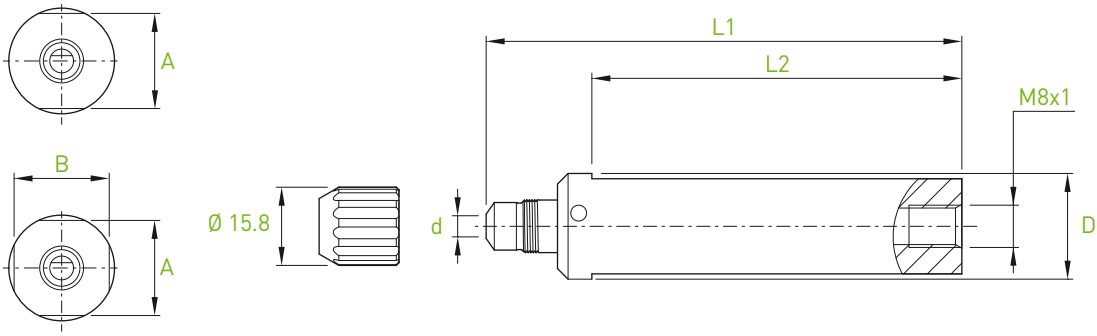
d	Bars	D	L1	L2	A x B	2 flats	4 flats	Art. N°
4	BB4... BF4...	10	75	55	8.8x8.8	●		**BH4-D10-75**
		12	75	55	11.2x11.2	●		**BH4-D12-75**
		12.7	75	55	11.2x11.2	●		**BH4-D12.7-75**
		15.87	75	55	14x14		●	**BH4-D15.87-75-F4**
		16	75	55	14x14	●		**BH4-D16-75**
		16	75	55	14x14		●	**BH4-D16-75-F4**
		16	110	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**
	more option see JET-Line

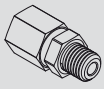
Porte-outils avec écrou de serrage
Halter mit Spannmutter
Holders with clamping nut

BH6-D



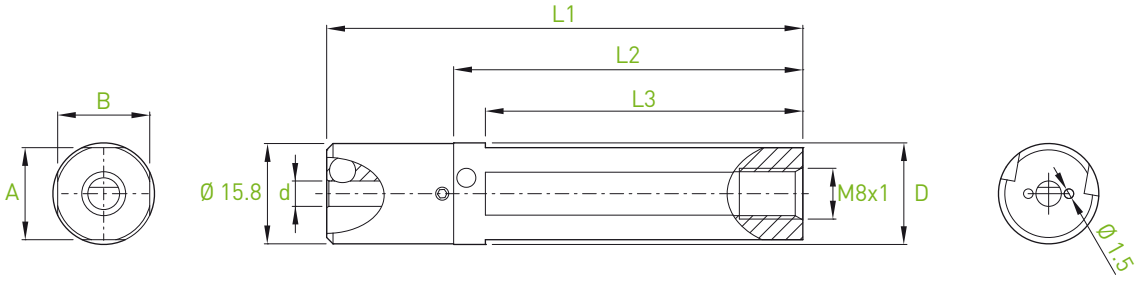
d	Bars	D	L1	L2	A x B	2 flats	4 flats	Art. N°
6	BB6... BF6...	12	75	55	11.2x11.2	●		**BH6-D12-75**
		12.7	75	55	11.2x11.2	●		**BH6-D12.7-75**
		15.87	75	55	14x14	●		**BH6-D15.87-75**
		16	75	55	14x14	●		**BH6-D16-75**
		19.05	90	70	17x17	●		**BH6-D19.05-90**
		20	90	70	18x18	●		**BH6-D20-90**
		20	90	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**

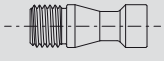
Option	 Art. N°
BH6...	**J-M8X1-D6**
	more option see JET-Line

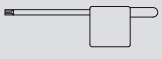
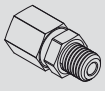
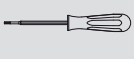
BHS4-D

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



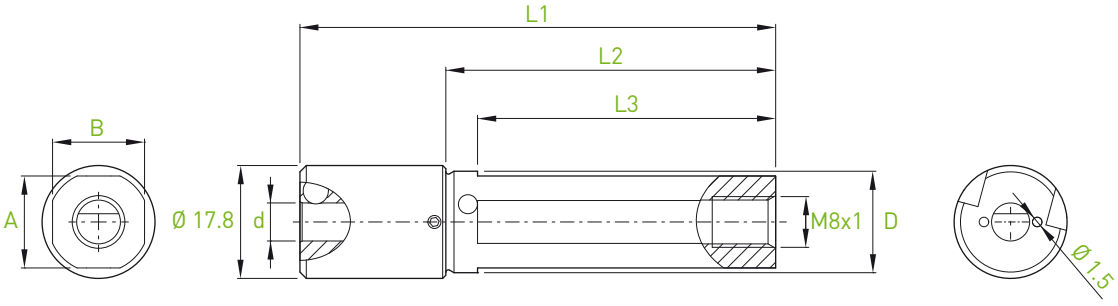
d	Bars	D	L1	L2	L3	A x B	Art. N°
4	BB4... BF4...	10	75	55	50	9.2x9.2	**BHS4-D10-75-F4**
		12	75	55	50	11x11	**BHS4-D12-75-F4**
		12.7	75	55	50	11.7x11.7	**BHS4-D12.7-75-F4**
		15.87	75	55	50	14.5x14.5	**BHS4-D15.87-75-F4**
		16	75	55	50	14.5x14.5	**BHS4-D16-75-F4**
		16	110	90	85	14.5x14.5	**BHS4-D16-110-F4**
		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**

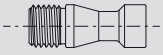
Option	 Art. N°	 Art. N°	 Art. N°
BHS4...	**C-T8**	**J-M8X1-D6** more option see JET-Line	**SET-NM1.2-TX8**

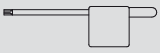
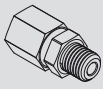
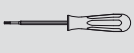
Porte-outils avec arrosage multiple
Halter mit mehrfaches Kühlungssystem
Holders with multiple coolant system

BHS6-D



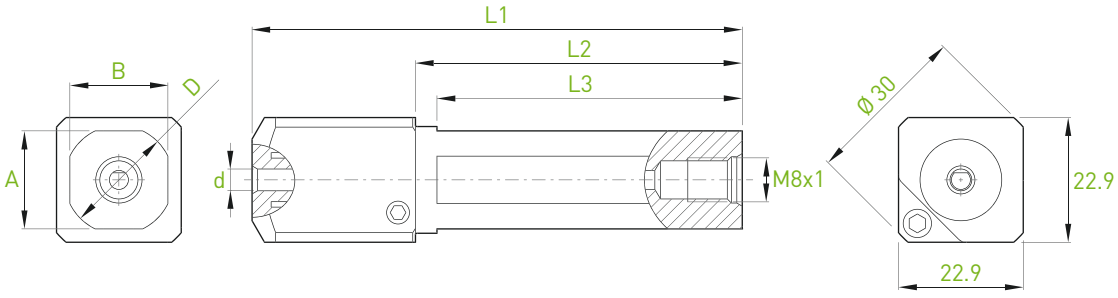
d	Bars	D	L1	L2	L3	A x B	Art. N°
6	BB6... BF6...	12	75	52	47	11x11	**BHS6-D12-75-F4**
		12.7	75	52	47	11.7x11.7	**BHS6-D12.7-75-F4**
		15.87	75	52	47	14.5x14.5	**BHS6-D15.87-75-F4**
		16	75	52	47	14.5x14.5	**BHS6-D16-75-F4**
		16	110	87	82	14.5x14.5	**BHS6-D16-110-F4**
		19.05	90	67	62	17x17	**BHS6-D19.05-90-F4**
		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**

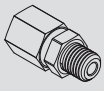
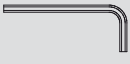
Option	 Art. N°	 Art. N°	 Art. N°
BHS6...	**C-T8**	**J-M8X1-D6** more option see JET-Line	**SET-NM1.2-TX8**

BHY4-D

Porte-outils à serrage hydraulique
Hydro-Dehnspann-System Halter
Holders with hydraulic clamping system

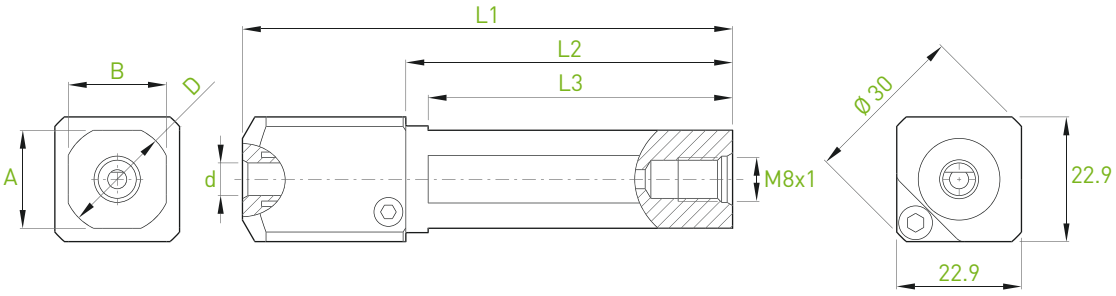


d	Bars	D	L1	L2	L3	A x B	Art. N°
4	BB4... BF4...	12	90	60	55	11.2x11.2	**BHY4-D12-90-F4**
		16	90	60	55	14.5x14.5	**BHY4-D16-90-F4**
		19.05	90	60	55	17x17	**BHY4-D19.05-90-F4**
		20	90	60	55	18x18	**BHY4-D20-90-F4**
		22	90	60	55	20x20	**BHY4-D22-90-F4**
		25	100	70	65	23x23	**BHY4-D25-100-F4**

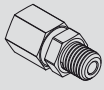
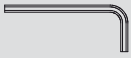
Pièces de rechange Ersatzteile Spare parts	 **Art. N°**	 **Art. N°**
BHY4...	**J-M8X1-D6** more option see JET-Line	**C-6P-3.0**

Porte-outils à serrage hydraulique
Hydro-Dehnspann-System Halter
Holders with hydraulic clamping system

BHY6-D

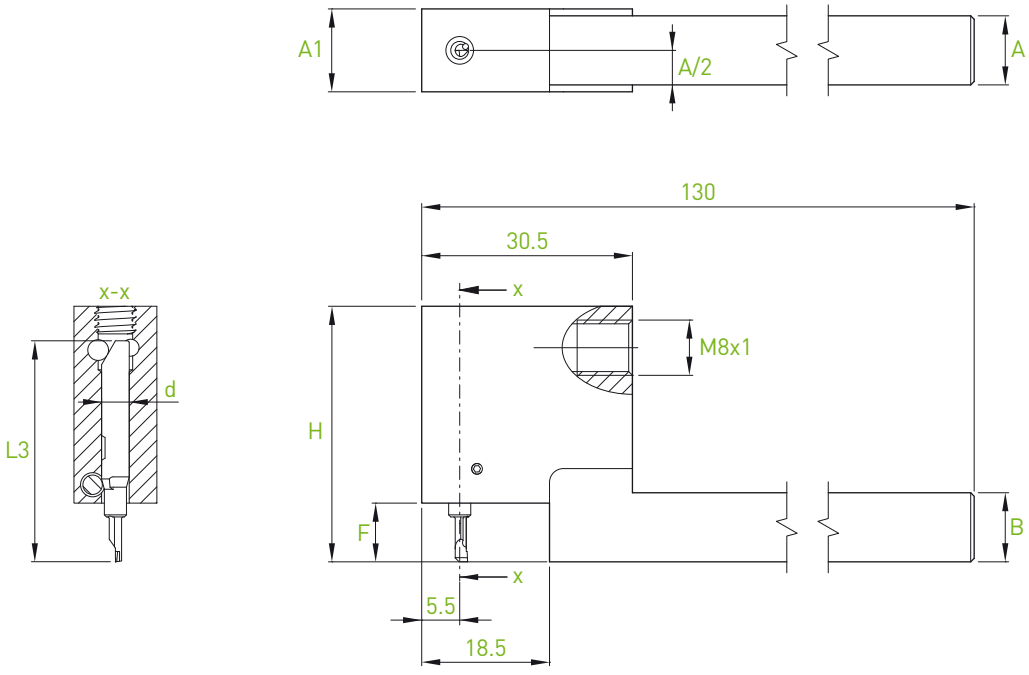


d	Bars	D	L1	L2	L3	A x B	Art. N°
6	BB6... BF6...	12	90	60	55	11.2x11.2	**BHY6-D12-90-F4**
		16	90	60	55	14.5x14.5	**BHY6-D16-90-F4**
		19.05	90	60	55	17x17	**BHY6-D19.05-90-F4**
		20	90	60	55	18x18	**BHY6-D20-90-F4**
		22	90	60	55	20x20	**BHY6-D22-90-F4**
		25	100	70	65	23x23	**BHY6-D25-100-F4**

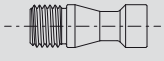
Pièces de rechange Ersatzteile Spare parts	 Art. N°	 Art. N°
BHY6...	**J-M8X1-D6** more option see JET-Line	**C-6P-3.0**

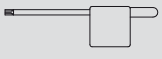
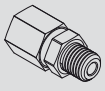
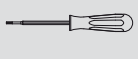
BHK4N

Porte-outils coudés
Kröpfhalter
Cranked holders



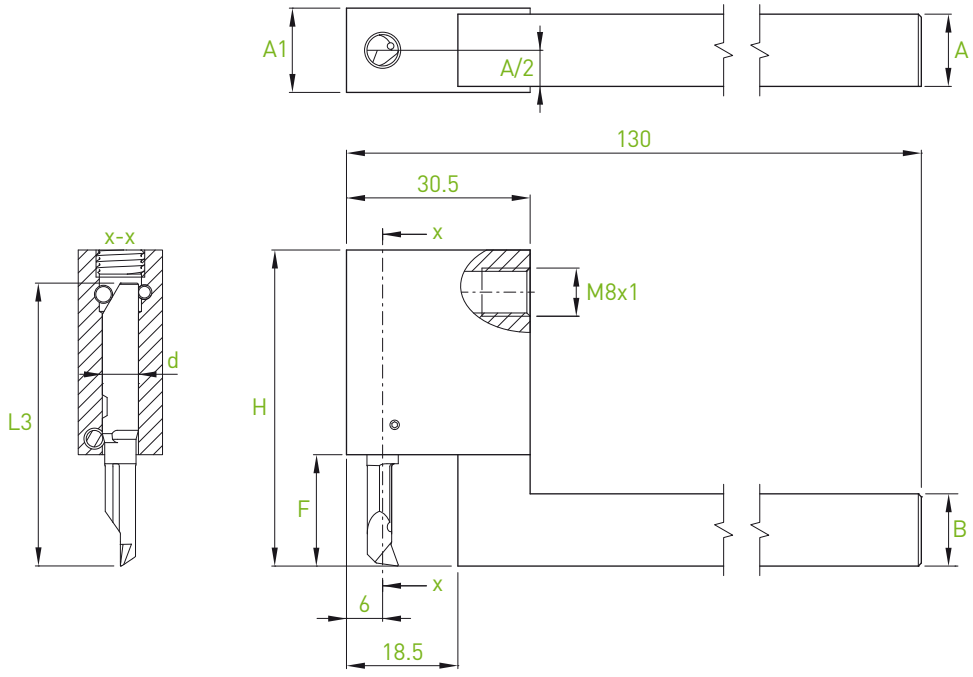
d	Bars	L3	A x B	F	H	A1	Art. N°
4	BB4R... BF4R...	32	8x8	8.5	37	12	**BHK4N-0808X-32R**
			10x10	8.5	37	12	**BHK4N-1010X-32R**
			12x12	8.5	37	12	**BHK4N-1212X-32R**
			16x16	8.5	37	16	**BHK4N-1616X-32R**
		37	8x8	13.5	42	12	**BHK4N-0808X-37R**
			10x10	13.5	42	12	**BHK4N-1010X-37R**
			12x12	13.5	42	12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

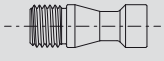
Option	 Art. N°	 Art. N°	 Art. N°
BHK4N...	**C-T8**	**J-M8X1-D6** more option see JET-Line	**SET-NM1.2-TX8**

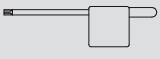
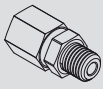
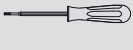
Porte-outils coudés
Kröpfhalter
Cranked holders

BHK6N



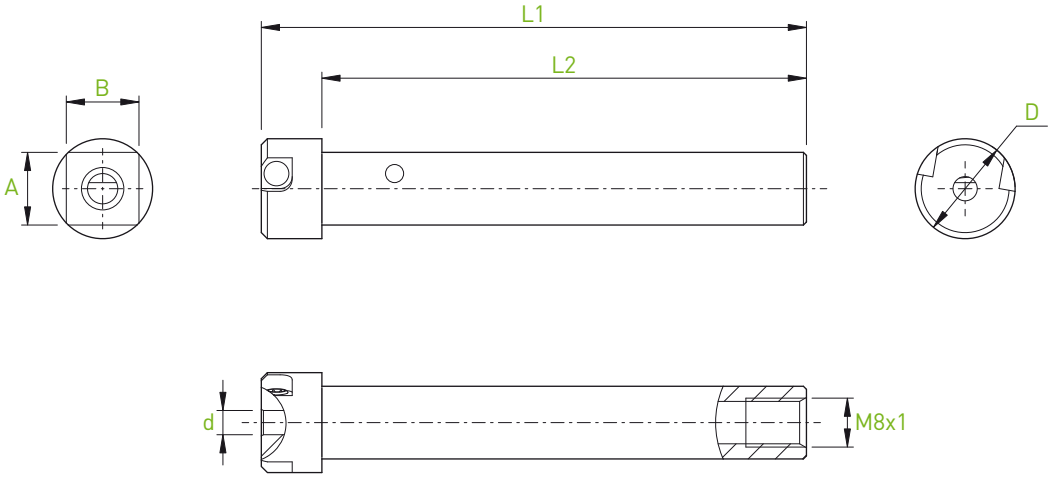
d	Bars	L3	A x B	F	H	A1	Art. N°
6	BB6R... BF6R...	47	10x10	18.5	52.5	12	**BHK6N-1010X-47R**
			12x12	18.5	52.5	12	**BHK6N-1212X-47R**
			16x16	18.5	52.5	16	**BHK6N-1616X-47R**
		57	10x10	28.5	62.5	12	**BHK6N-1010X-57R**
			12x12	28.5	62.5	12	**BHK6N-1212X-57R**
			16x16	28.5	62.5	16	**BHK6N-1616X-57R**

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

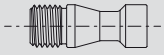
Option	 Art. N°	 Art. N°	 Art. N°
BHK6N...	**C-T8**	**J-M8X1-D6** more option see JET-Line	**SET-NM1.2-TX8**

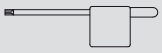
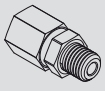
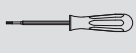
BHS4

Porte-outils section carrée
Viereckige Halter
Square holders



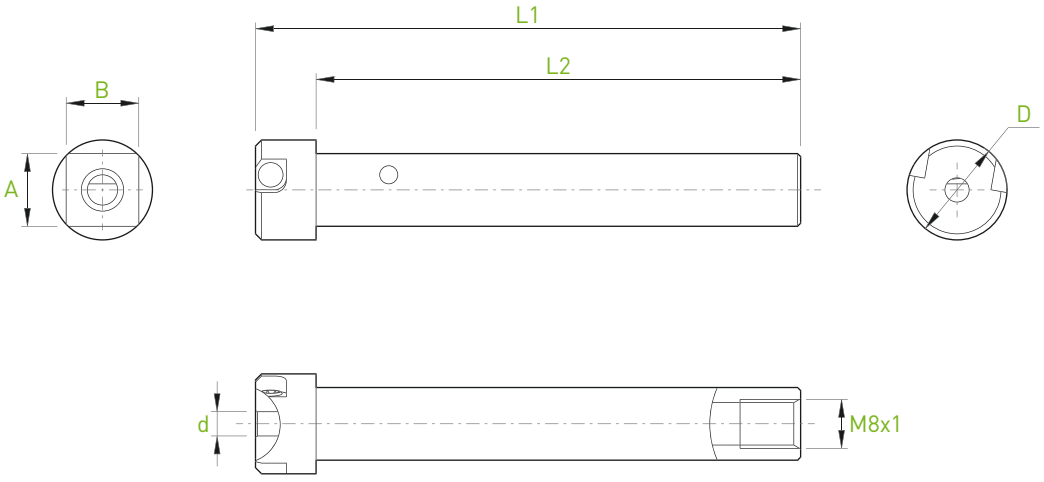
d	Bars	A x B	L1	L2	D	Art. N°
4	BB4... BF4...	12x12	90	80	16.5	**BHS4-1212-90**
		16x16	100	90	15.5	**BHS4-1616-100**

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

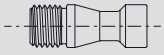
Option			
	Art. N°	Art. N°	Art. N°
BHS4...	**C-T8**	**J-M8X1-D6**	**SET-NM1.2-TX8**
		more option see JET-Line	

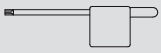
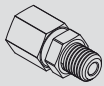
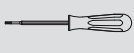
Porte-outils section carrée
Viereckige Halter
Square holders

BHS6



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

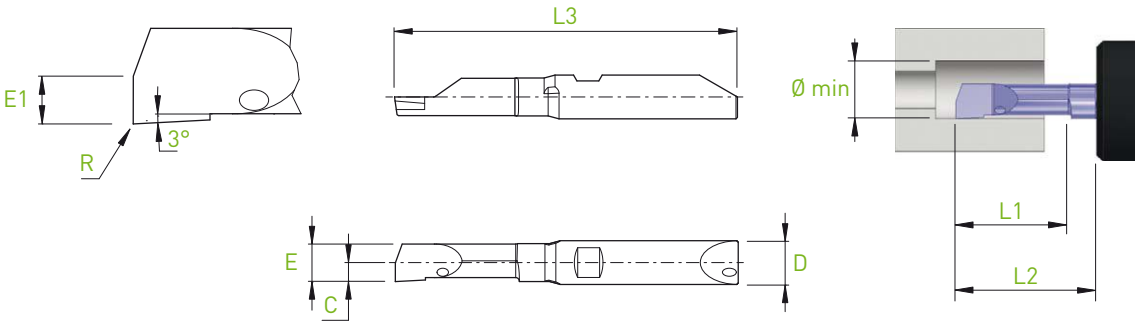
Pièces de rechange Ersatzteile Spare parts	
	Art. N°
BHS6...	**V-BHS-M4X0.5-T8**

Option			
	Art. N°	Art. N°	Art. N°
BHS6...	**C-T8**	**J-M8X1-D6**	**SET-NM1.2-TX8**
		more option see JET-Line	

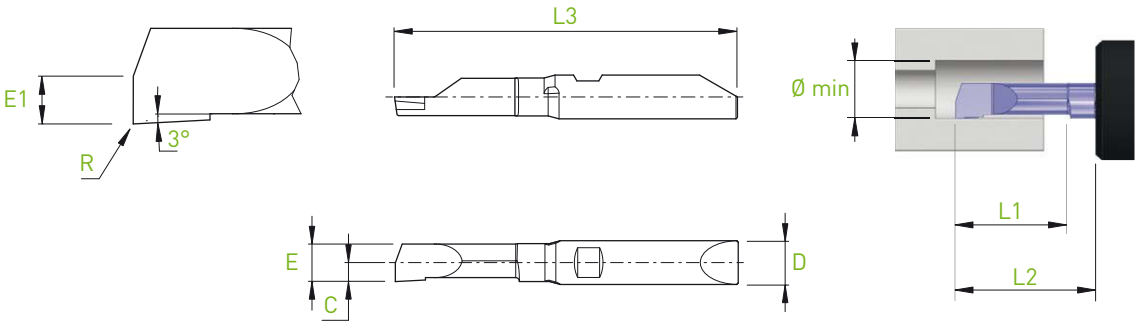
BA

BB4...

Alésage
Ausbohren
Boring



												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	E1	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	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**	●	●	●	●	●

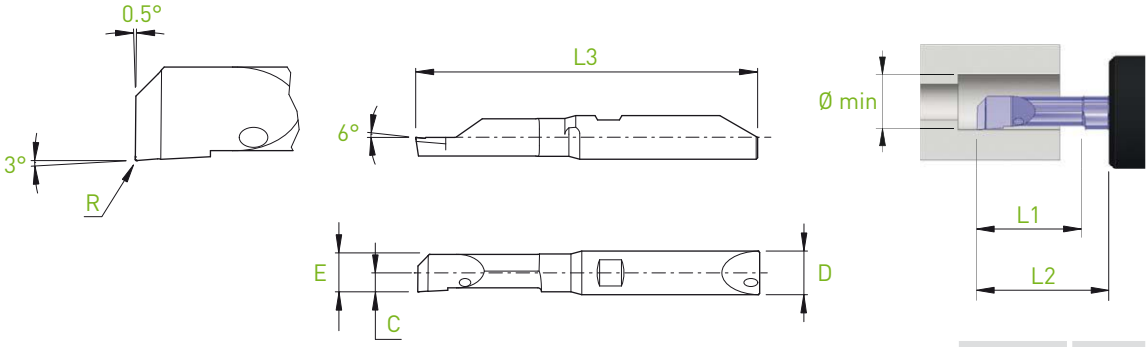


												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	E1	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	0.3	0.9	10	8.5	0.27	0.13	0.15	0	32	**BF4R/L-0309-BA**	●	●	●	●	●
		0.4	1.2	10	8.5	0.36	0.18	0.20	0	32	**BF4R/L-0412-BA**	●	●	●	●	●
		0.5	1.5	10	8.5	0.45	0.22	0.25	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**	●	●	●	●	●

BAX

BB4... / BB6...

Alésage
Ausbohren
Boring



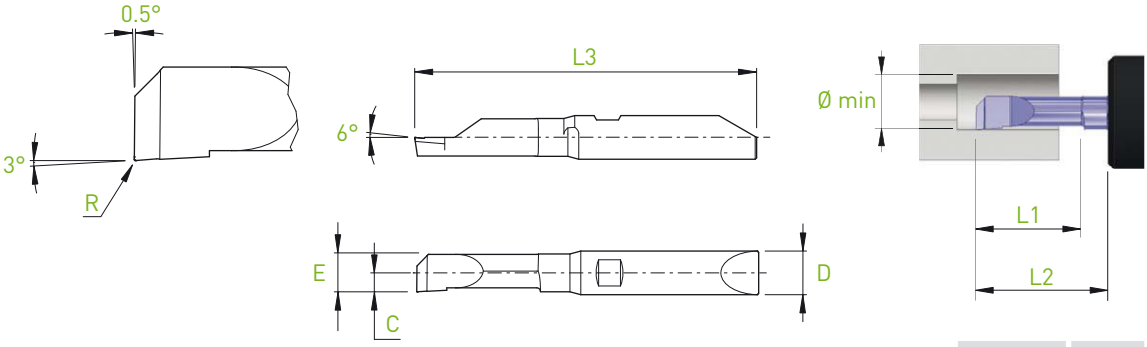
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	C	R	L3	Art. N°	R ZTAF	R ZTAXF	R ZN	L ZTAF	L ZN
4	BH4... BHS4... BHY4... BHK4...	0.5	1.5	10	8.5	0.45	0.25	0	32	**BB4R/L-0515-BAX**	●	●	●	●	●
		0.6	1.8	10	8.5	0.54	0.30	0	32	**BB4R/L-0618-BAX**	●	●	●	●	●
		0.7	2.1	10	8.5	0.63	0.35	0	32	**BB4R/L-0721-BAX**	●	●	●	●	●
		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	Ø min	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**	●	●	●	●	●

Alésage
Ausbohren
Boring

BF4... / BF6...

BAX



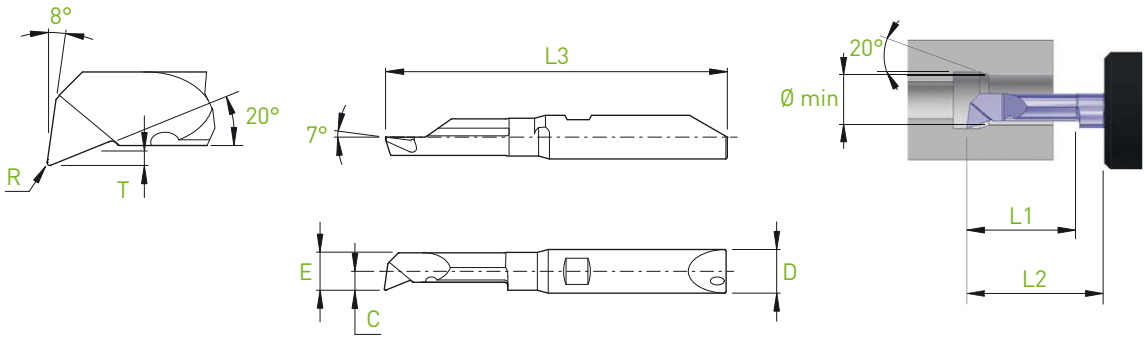
											R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	0.5	1.5	10	8.5	0.45	0.25	0	32	BF4R/L-0515-BAX	●	●	●	●	●
		0.6	1.8	10	8.5	0.54	0.30	0	32	BF4R/L-0618-BAX	●	●	●	●	●
		0.7	2.1	10	8.5	0.63	0.35	0	32	BF4R/L-0721-BAX	●	●	●	●	●
		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	Ø min	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	●	●	●	●	●

BCX

BB4... / BB6...

Alésage-copiage
Ausbohren-kopieren
Boring-chambering



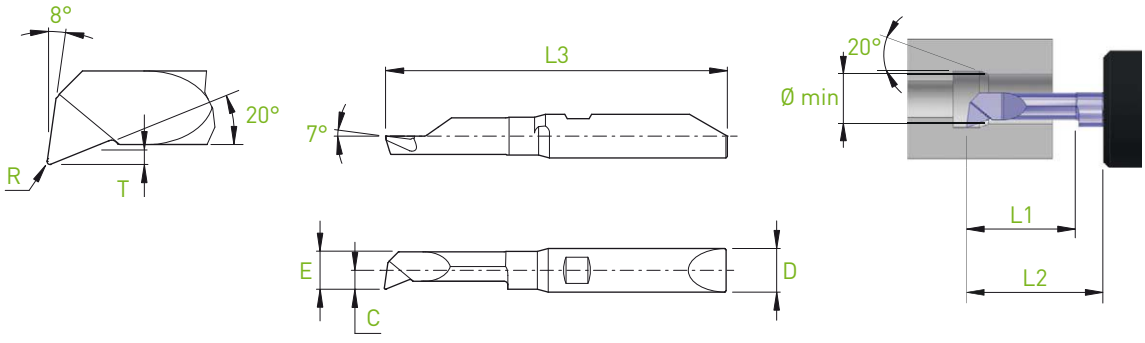
												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	1.0	3.0	10	8.5	0.15	0.90	0.70	0.05	32	BB4R/L-1030-BCX-R05	●	●	●	●	●
			5.0	10	8.5	0.15	0.90	0.70	0.05	32	BB4R/L-1050-BCX-R05	●	●	●	●	●
		1.5	4.5	10	8.5	0.23	1.35	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	Ø min	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	●	●	●	●	●

Alésage-copiage
Ausbohren-kopieren
Boring-chambering

BF4... / BF6...

BCX



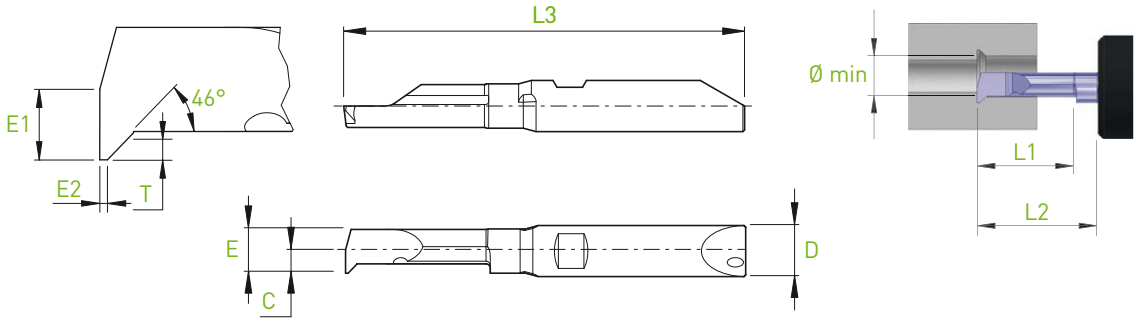
												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	1.0	3.0	10	8.5	0.15	0.90	0.70	0.05	32	BF4R/L-1030-BCX-R05	●	●	●	●	●
			5.0	10	8.5	0.15	0.90	0.70	0.05	32	BF4R/L-1050-BCX-R05	●	●	●	●	●
		1.5	4.5	10	8.5	0.23	1.35	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	Ø min	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	●	●	●	●	●

C45

BB4... / BB6...

Copiage
Kopieren
Chambering



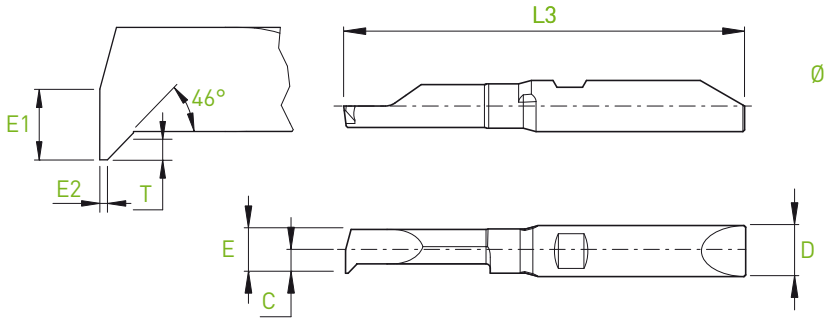
													R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	E1	C	E2	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	0.3	0.6	10	8.5	0.05	0.27	0.13	0.15	0.03	32	**BB4R/L-0306-C45-E03**	●	●	●	●	●
		0.4	0.8	10	8.5	0.07	0.36	0.18	0.20	0.03	32	**BB4R/L-0408-C45-E03**	●	●	●	●	●
		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**	●	●	●	●	●

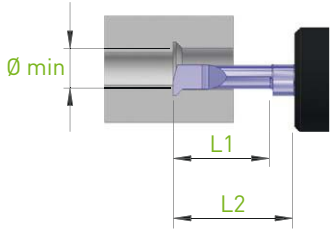
D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	T	E	E1	C	E2	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6... BHS6... BHY6... BHK6...	4.0	12.0	20	18.5	0.68	3.80	1.90	2.30	0.40	47	**BB6R/L-40120-C45-E40**	●	●	●	●	●
		5.0	15.0	20	18.5	0.85	4.75	2.37	2.50	0.50	47	**BB6R/L-50150-C45-E50**	●	●	●	●	●

Copiage
Kopieren
Chambering

BF4... / BF6...

C45





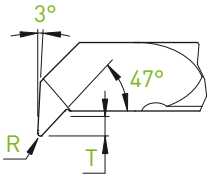
													R			L	
													P M N S	P M N S	P N S	P M N S	P N S
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	E1	C	E2	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	0.3	0.6	10	8.5	0.05	0.27	0.13	0.15	0.03	32	**BF4R/L-0306-C45-E03**	●	●	●	●	●
		0.4	0.8	10	8.5	0.07	0.36	0.18	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**	●	●	●	●	●

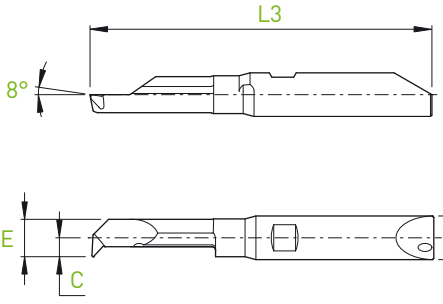
D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	T	E	E1	C	E2	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6... BHS6... BHY6... BHK6...	4.0	12.0	20	18.5	0.68	3.80	1.90	2.30	0.40	47	**BF6R/L-40120-C45-E40**	●	●	●	●	●
		5.0	15.0	20	18.5	0.85	4.75	2.37	2.50	0.50	47	**BF6R/L-50150-C45-E50**	●	●	●	●	●

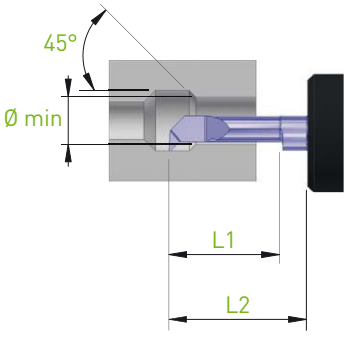
C45X

BB4... / BB6...

Copiage
Kopieren
Chambering







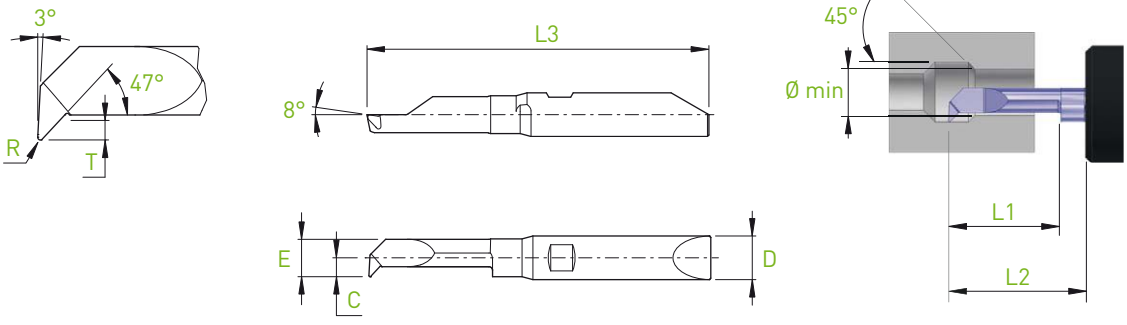
												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	2.5	7.5	10	8.5	0.50	2.25	1.35	0.10	32	**BB4R/L-2575-C45X-R10**	●	●	●	●	●
			12.5	15	13.5	0.50	2.25	1.35	0.10	37	**BB4R/L-25125-C45X-R10**	●	●	●	●	●
		3.0	9.0	15	13.5	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	Ø min	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	0.80	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**	●	●	●	●	●

Copiage
Kopieren
Chambering

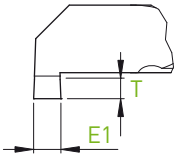
BF4... / BF6...

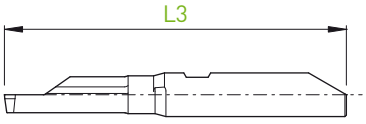
C45X

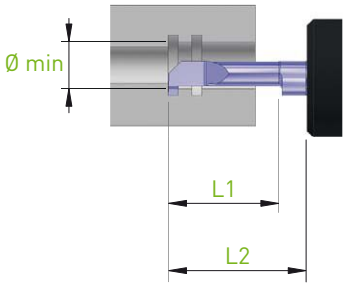


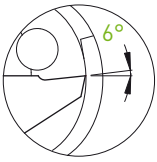
												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	2.5	7.5	10	8.5	0.50	2.25	1.35	0.10	32	**BF4R/L-2575-C45X-R10**	●	●	●	●	●
			12.5	15	13.5	0.50	2.25	1.35	0.10	37	**BF4R/L-25125-C45X-R10**	●	●	●	●	●
		3.0	9.0	15	13.5	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**	●	●	●	●	●

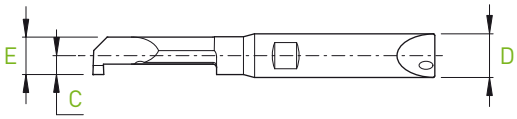
D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	T	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6... BHS6... BHY6... BHK6...	4.0	12.0	20	18.5	0.80	3.80	2.30	0.15	47	**BF6R/L-40120-C45X-R15**	●	●	●	●	●
			20.0	30	28.5	0.80	3.80	2.30	0.15	57	**BF6R/L-40200-C45X-R15**	●	●	●	●	●
		4.5	13.5	20	18.5	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**	●	●	●	●	●





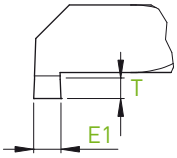


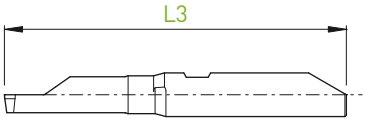


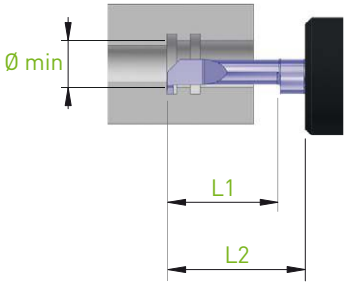


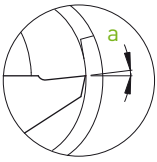
												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E1	T	E	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	3.0	9.0	15	13.5	0.50	0.60	2.70	1.45	37	BB4R/L-3090-G050X	●	●	●	●	●
			15.0	20	18.5	0.50	0.60	2.70	1.45	42	BB4R/L-30150-G050X	●	●	●	●	●
		3.5	10.5	15	13.5	0.75	0.70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

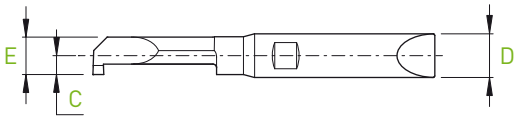
D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	E1	T	E	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6... BHS6... BHY6... BHK6...	4.0	12.0	20	18.5	1.00	0.80	3.80	2.20	47	BB6R/L-40120-G100X	●	●	●	●	●
			20.0	30	28.5	1.00	0.80	3.80	2.20	57	BB6R/L-40200-G100X	●	●	●	●	●
		4.5	13.5	20	18.5	1.00	0.90	4.28	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	●	●	●	●	●





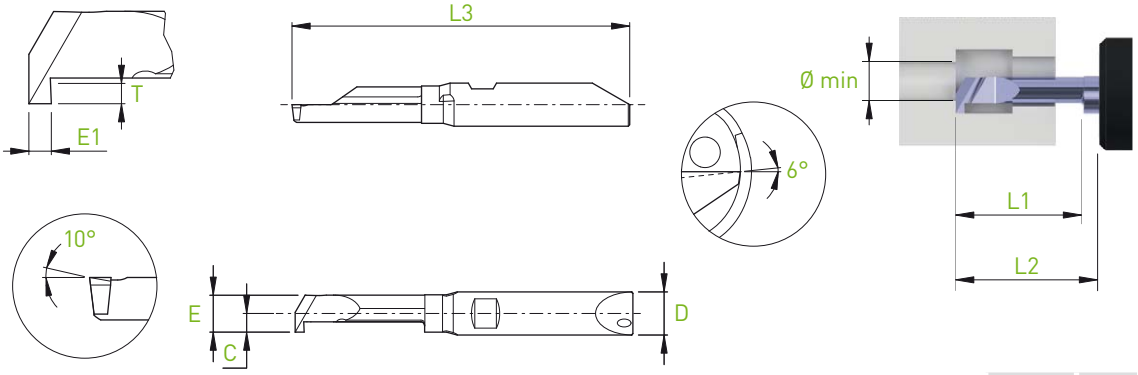






													R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E1	T	E	a	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	0.5	1.0	10	8.5	0.15	0.10	0.45	3°	0.25	32	BF4R/L-0510-G015X	●	●	●	●	●
		0.7	1.4	10	8.5	0.20	0.14	0.63		0.35	32	BF4R/L-0714-G020X	●	●	●	●	●
		1.0	2.0	10	8.5	0.30	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	●	●	●	●	●



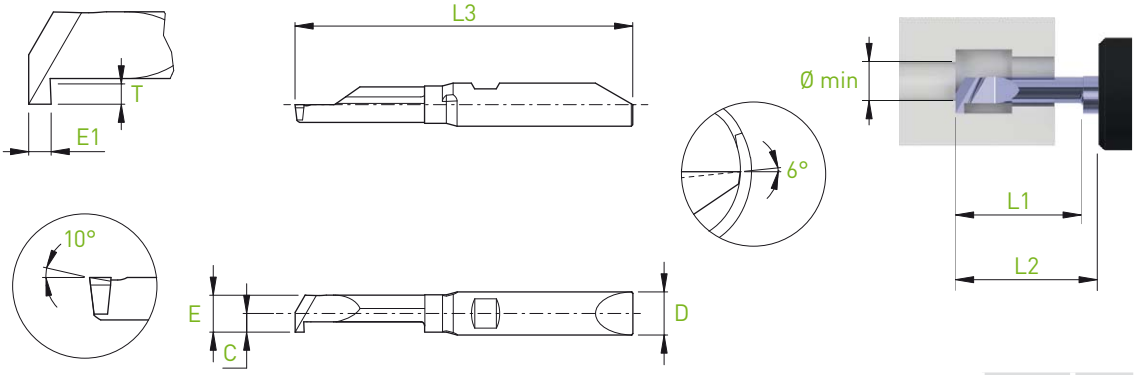
												R			L	
												P M N S	P M S	P N S	P M N S	P N S
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E1	T	E	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	3.0	9.0	15	13.5	1.00	0.60	2.7	1.45	37	**BB4R/L-3090-GT100X**	●	●	●	●	●
			15.0	20	18.5	1.00	0.60	2.7	1.45	42	**BB4R/L-30150-GT100X**	●	●	●	●	●
		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**	●	●	●	●	●

D h5	Holder	Ø min	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	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**	●	●	●	●	●

Fonçage-tournage
Einstechen und drehen
Grooving and turning

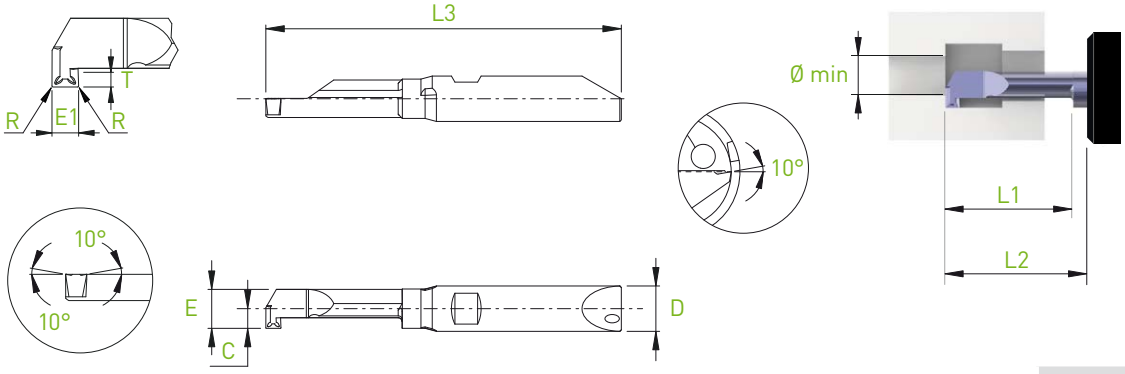
BF4... / BF6...

GTX



												R			L	
D h5	Holder	Ø min	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	●	●	●	●	●

D h5	Holder	Ø min	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	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	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	E1	T	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN
													P M N S	P M S	P N S
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

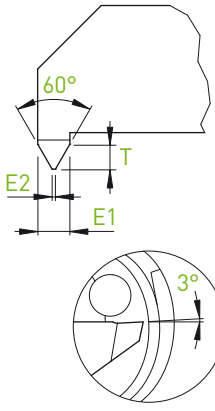
Three-directional geometry enabling optimal machining in both plunging and turning, forward and reverse

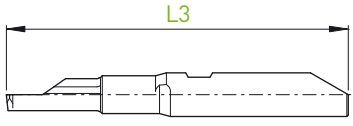
Sharp cutting edge

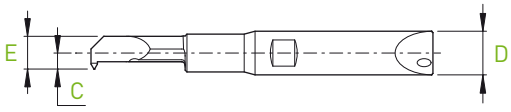
L'arête de coupe vive assure une finition de haute qualité, réduisant l'effort et l'usure des outils

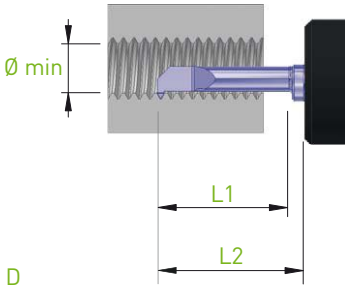
Die scharfe Schneidkante sorgt für eine hochwertige Oberflächengüte und verringert sowohl die Schnittkräfte als auch den Werkzeugverschleiss

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



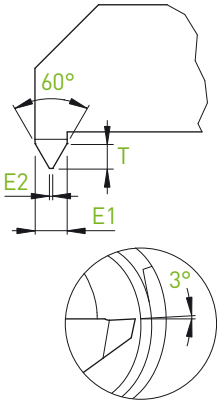


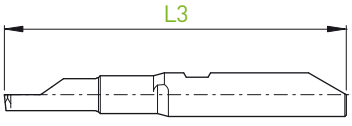


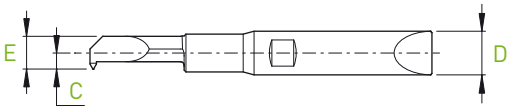


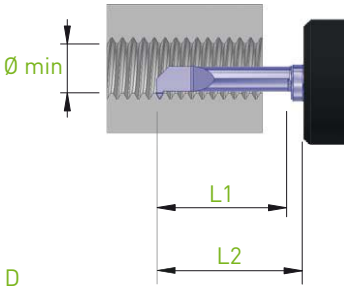
															R		L	
D h5	Holder	Ø min	L1	**L2** BH4... BHY4...	**L2** BHS4... BHK4...	P (mm)	P (TPI)	E1	E2 (0/-0.01)	T	E	C	L3	**Art. N°**	ZTAF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	1.25	3.2	10	8.5	0.20-0.35	80	0.30	0.02	0.25	1.10	0.80	32	**BB4R/L-1232-TP60**	●	●	●	●
		1.6	4.0	10	8.5	0.25-0.40	72-64	0.35	0.03	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**	●	●	●	●









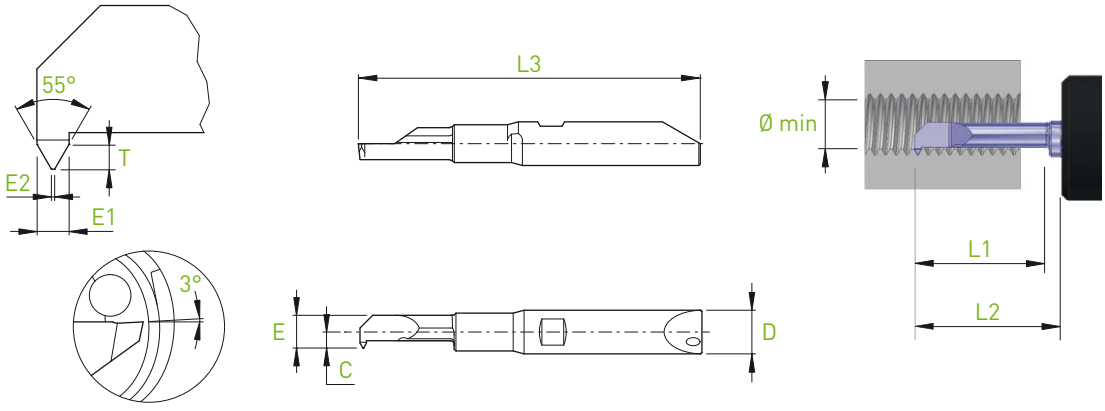
															R		L	
D h5	Holder	Ø min	L1	**L2** BH4... BHY4...	**L2** BHS4... BHK4...	P (mm)	P (TPI)	E1	E2 (0/-0.01)	T	E	C	L3	**Art. N°**	P M N S ZTAF	P N S ZN	P M N S ZTAF	P N S ZN
4	BH4... BHS4... BHY4... BHK4...	1.25	3.2	10	8.5	0.20-0.35	80	0.30	0.02	0.25	1.10	0.80	32	**BF4R**/L-**1232-TP60**	●	●	●	●
		1.6	4.0	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**	●	●	●	●

TP55

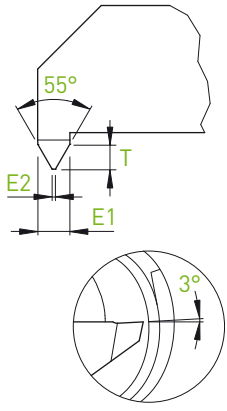
BB4... / BB6...

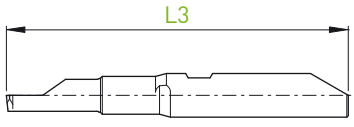
Filetage
Gewindedrehen
Threading

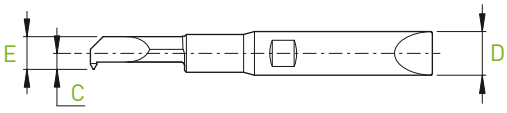


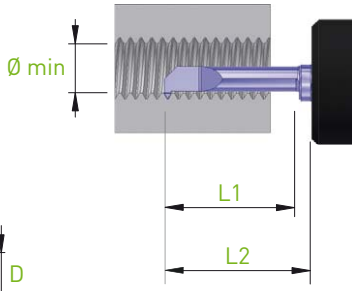
														R		L	
D h5	Holder	Ø min	L1	**L2** BH4... BHY4...	**L2** BHS4... BHK4...	P (TPI)	E1	E2 (0/-0.02)	T	E	C	L3	**Art. N°**	ZTAF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	1.85	4.5	10	8.5	48	0.54	0.09	0.44	1.67	0.97	32	**BB4R**/L-**1845-TP55**	●	●	●	●
		2.55	6.0	10	8.5	40	0.64	0.10	0.52	2.25	1.35	32	**BB4R**/L-**2560-TP55**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

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... BHS6... BHY6... BHK6...	3.70	11.0	20	18.5	32-24	1.08	0.13	0.91	3.33	1.83	47	**BB6R**/L-**37110-TP55**	●	●	●	●
		5.10	15.0	20	18.5	26-20	1.30	0.16	1.09	4.60	2.05	47	**BB6R**/L-**51150-TP55**	●	●	●	●
		5.50	16.0	20	18.5	22-16	1.48	0.19	1.24	5.15	2.60	47	**BB6R**/L-**55160-TP55**	●	●	●	●





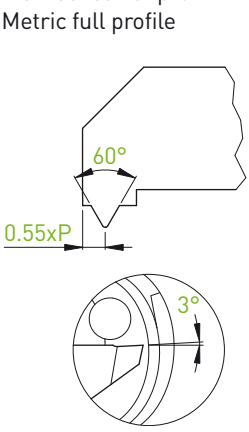


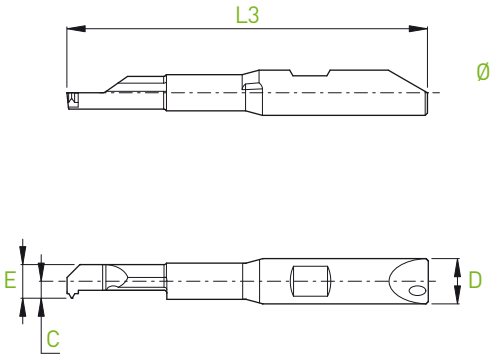


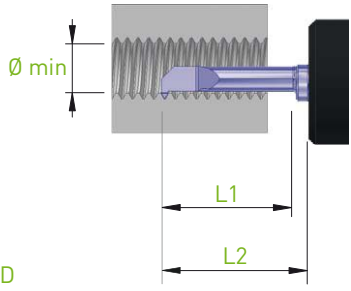
														R		L	
D h5	Holder	Ø min	L1	**L2** BH4... BHY4...	**L2** BHS4... BHK4...	P (TPI)	E1	E2 (0/-0.02)	T	E	C	L3	**Art. N°**	ZTAF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	1.85	4.5	10	8.5	48	0.54	0.09	0.44	1.67	0.97	32	**BF4R/L-1845-TP55**	●	●	●	●
		2.55	6.0	10	8.5	40	0.64	0.10	0.52	2.25	1.35	32	**BF4R/L-2560-TP55**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

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... BHS6... BHY6... BHK6...	3.70	11.0	20	18.5	32-24	1.08	0.13	0.91	3.33	1.83	47	**BF6R/L-37110-TP55**	●	●	●	●
		5.10	15.0	20	18.5	26-20	1.30	0.16	1.09	4.60	2.05	47	**BF6R/L-51150-TP55**	●	●	●	●
		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





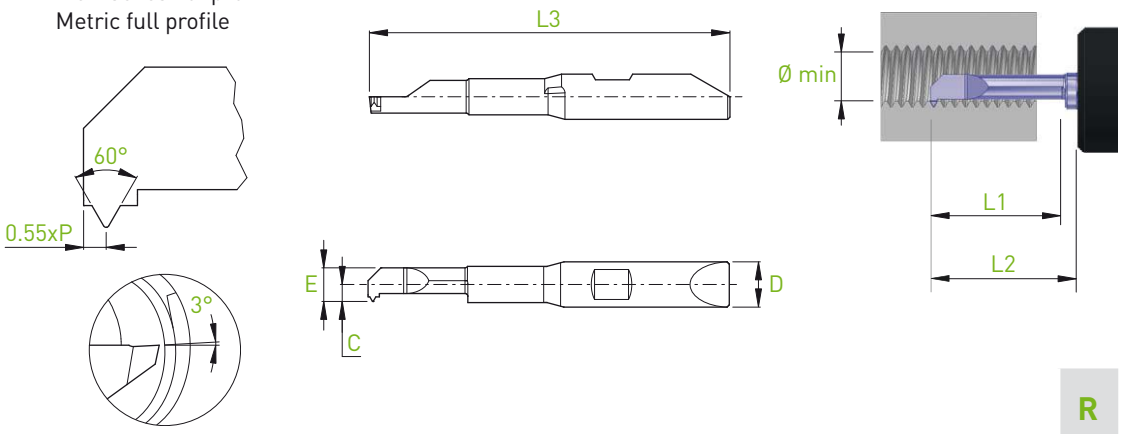


R

D h5	Holder	M (min)	Ø min	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)	Ø min	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**	●	●

Profil complet métrique
Metrisches Vollprofil
Metric full profile



R

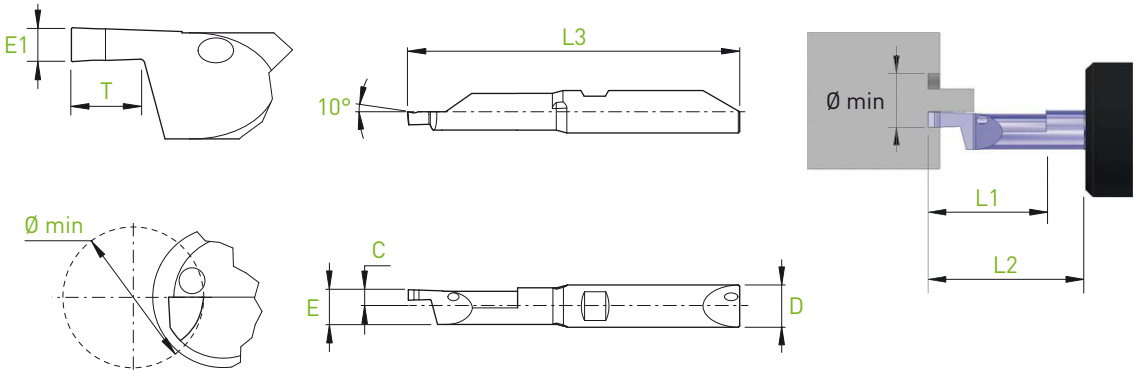
D h5	Holder	M (min)	Ø min	P (mm)	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	C	L3	Art. N°	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	M3x0.5	2.50	0.50	6.0	10	8.5	2.25	1.35	32	**BF4R-2560-TM-0.50**	●	●
		M4x0.7	3.30	0.70	8.0	15	13.5	2.97	1.50	37	**BF4R-3380-TM-0.70**	●	●

D h5	Holder	M (min)	Ø min	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...

Gorge frontale extérieure
Aussen axiales stechen
External axial grooving



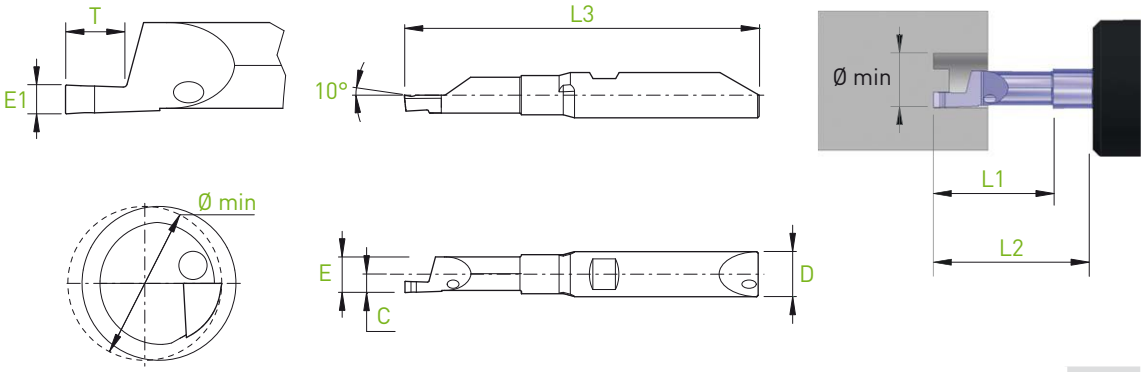
R

D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	T	E	C	E1	L3	Art. N°	ZTAF	ZN
												P M N S	P N S
6	BH6... BHS6... BHY6... BHK6...	5.0	15.0	20	18.5	3.00	4.90	2.30	1.50	47	**BB6R-50150-FEG150X**	●	●

Gorge frontale intérieure
Innen axiales stechen
Internal axial grooving

BB6...

FIG



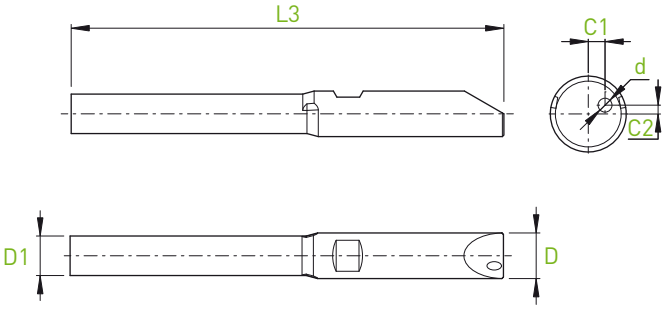
R

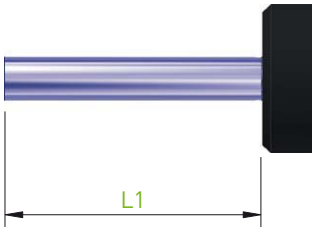
D h5	Holder	Ø min	L1	**L2** BH6... BHY6...	**L2** BHS6... BHK6...	T	E	C	E1	L3	**Art. N°**	P M N S ZTAF	P N S ZN
6	BH6... BHS6... BHY6... BHK6...	5.0	15.0	20	18.5	3.00	4.75	2.45	1.50	47	**BB6R-50150-FIG150X**	●	●

BB_E

BB4... / BB6...

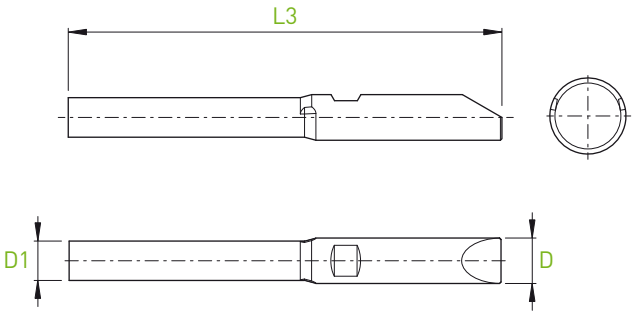
Ébauches avec arrosage
Rohlinge mit Kühlung
Blanks with coolant

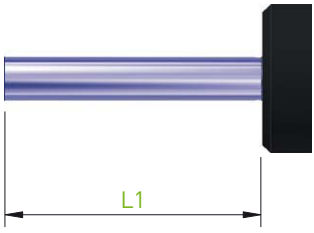




D h5	Holder	**L1** BH4... BHY4...	**L1** BHS4... BHK4...	D1	C1	C2	d	L3	**Art. N°**	ZN
4	BH4... BHS4... BHY4... BHK4...	20.0	18.5	3.20	0.84	0.55	0.85	42	**BB4R-E42**	●

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**	●



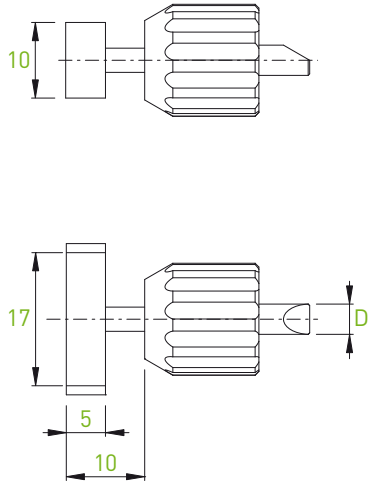


D h5	Holder	**L1** BH4... BHY4...	**L1** BHS4... BHK4...	D1	L3	**Art. N°**	ZN
4	BH4... BHS4... BHY4... BHK4...	20.0	18.5	3.20	42	**BF4-E42**	●

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**	●

BH4 / BH6 | MASTER

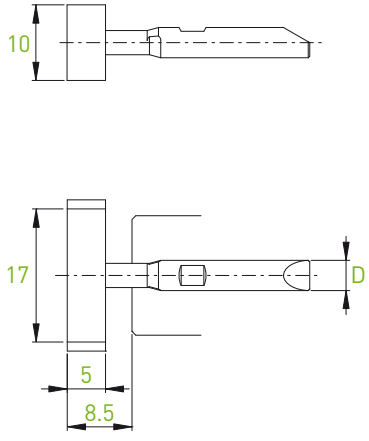
Jauges d'alignement
Richtplatten
Adjusting tools



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

BHSY... | MASTER

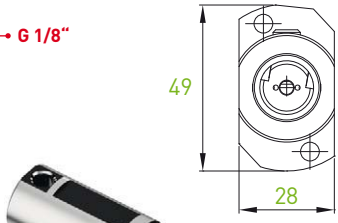
Jauges d'alignement
Richtplatten
Adjusting tools

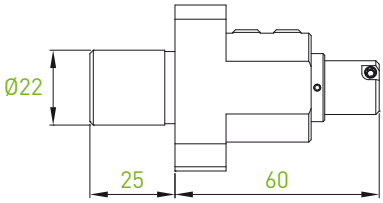


D h5	Art. N°	
4	BHSY4-MASTER	●
6	BHSY6-MASTER	●

Porte-outils avec arrosage pour contre-opération - Machines STAR
Halter mit Kühlungssystem für Gegenbearbeitung – STAR Maschinen
Backworking holders with through coolant – STAR Machines

BH4 / BH6
BHS4 / BHS6

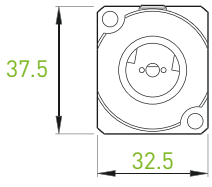


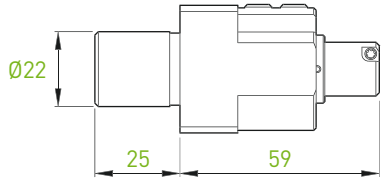


Art. N°
BWD1-2022-STAR-SRR

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

Types of STAR machines
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)





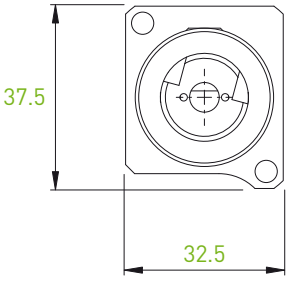
Art. N°
BWD1-2022-STAR-SW

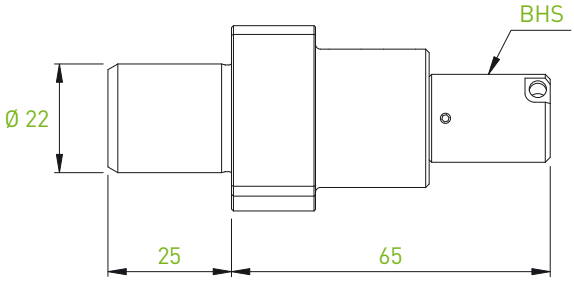
Art. N°
BHS4-D20-55-BWD1
BHS6-D20-55-BWD1

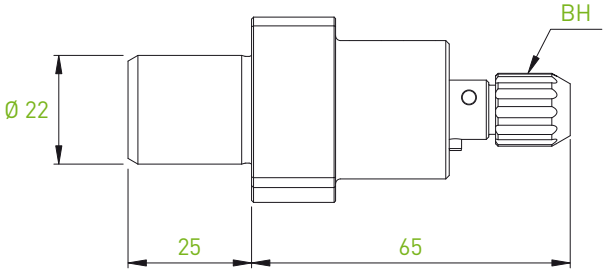
Types of STAR machines
SW12RII (T21-T28)
SW20 (T21-T23 + T25-T27)
SV20R (T21-T28)
SR-20R IV (T21-T28)
SB12/20R (T22-T24)
SR38 (T21-T28)

BH4 / BH6
BHS4 / BHS6

Porte-outils avec arrosage pour contre-opération - Machines STAR
Halter mit Kühlungssystem für Gegenbearbeitung – STAR Maschinen
Backworking holders with through coolant – STAR Machines







Art. N°
BWD1-1222-STAR-SW-B

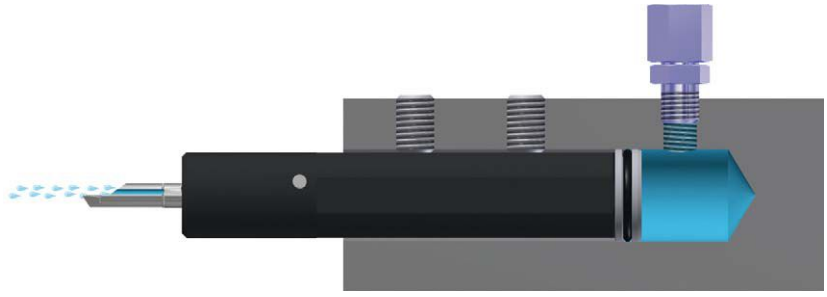
Art. N°
BHS4-D12-51-BWD1-B
BHS6-D12-51-BWD1-B

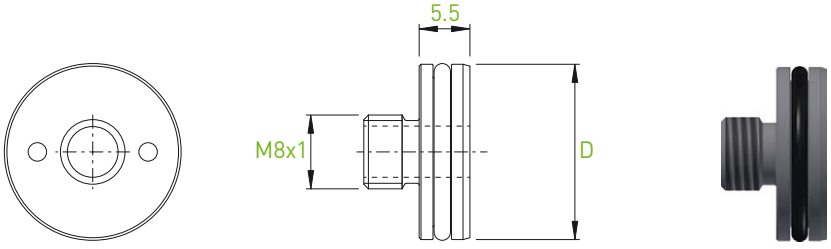
Art. N°
BH4-D12-51-BWD1-B
BH6-D12-51-BWD1-B

Types of STAR machines
SW12R II (T21-T28)
SW20 (T21-T23 + T25-T27)
SV20R (T21-T28)
SR-20R IV (T21-T28)
SB12/20R (T22-T24)
SR38 (T21-T28)

Bagues d'étanchéité
Dichtungsringe
Sealing rings

JB





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	●

Légende des symboles
Symbollegende
Symbol Legend

E	L	Art. N°	TiAlN	TiN	N (µk20)	HTA	HTiN	HN (µk10)
1.0	5	**731RU-1.0**	●		●			
1.2	5	**731RU-1.2**	●		●			
1.5	7	**731RU-1.5**	●		●	●		●
2.0	7	**731RU-2.0**	●		●			

● Article standard
Standardartikel
Standard item

P Acier
Stahl
Steel

M Inox
Rostfreistahl
Stainless steel

N Alliages d'aluminium et non ferreux
Aluminium- und Nichteisenlegierungen
Aluminium and non-ferrous alloys

S Titane et superalliages
Titan und Superlegierungen
Titanium and superalloys

H Acier trempé
Gehärteter Stahl
Hardened steel

K Fonte
Gusseisen
Cast iron

O Matière exotique
Exotisches material
Exotic material

Carbure
Hartmetall
Carbide

TiAlN

K20

µK20 + revêtement PVD
µK20 + PVD Beschichtung
µK20 + PVD coating

P ★★★★★
M ★★★★★
N ★★★★☆
S ★★★★☆

TF — F — M — E

Épaisseur du revêtement
Dicken der Beschichtung
Thickness of the coating

TF Très fin
Sehr dünn
Very thin

F Fin
Dünn
Thin

M Moyen
Mittel
Medium

E Épais
Dick
Thick