

IN-Line



APPLITEC
CUTTING TOOLS

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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

Ligne produit d'alésage
Innendrehen Produktlinie
Boring product line

Porte-outils
Halter
Holders

Ø alésage
Bohrung Ø
Bore Ø

Queue cylindrique
Zylindrischer Schaft
Cylindrical shank

Ø/∅ queue
Schaft Ø/∅
Shank Ø/∅

Longueur
Länge
Length



HK

B	HK	4	N	-	20	-	32R
---	----	---	---	---	----	---	-----

Barres d'alésage compatibles (longueur L3)
Kompatible Bohrstangen (Länge L3)
Compatible boring bars (length L3)

∅ queue
Schaft ∅
Shank ∅

Géométrie du porte-outil
Haltergeometrie
Tool holder geometry

∅ alésage
Bohrung ∅
Bore ∅

Porte-outils
Halter
Holders

Ligne produit d'alésage
Innendrehen Produktlinie
Boring product line

Codification des barres d'alésage

Kodifizierung für Bohrstangen

Coding guide for holders



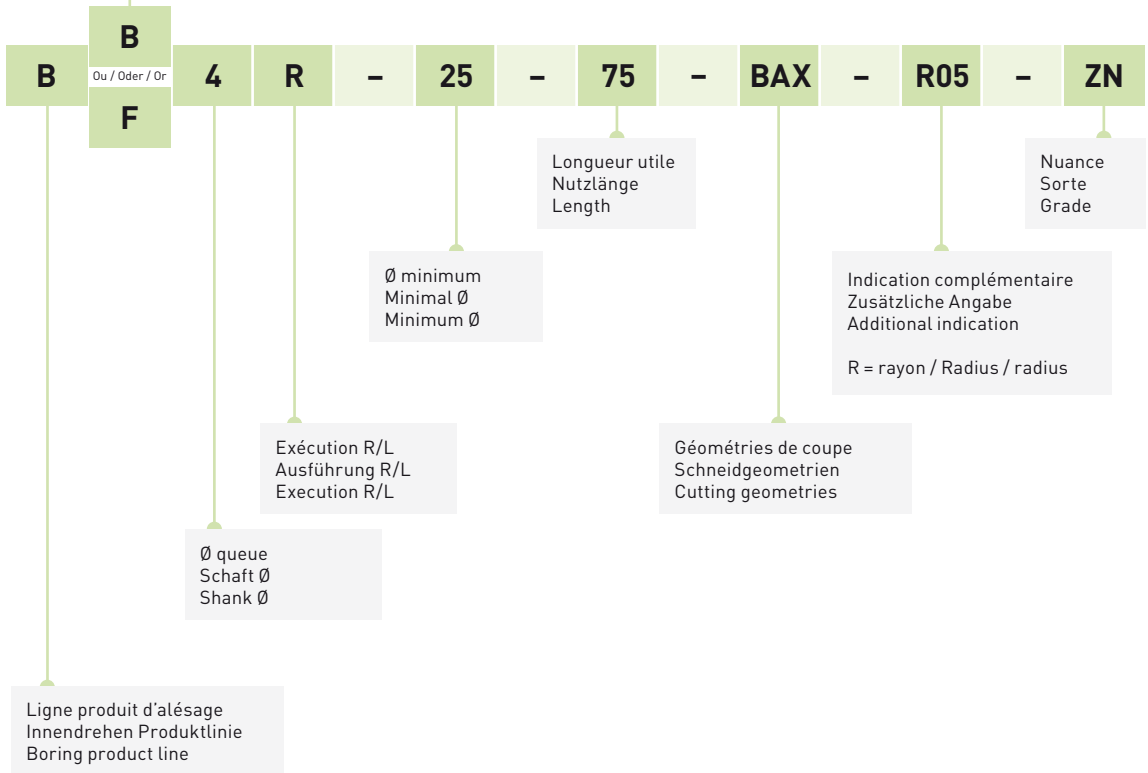
B

Arrosage intégré
Integrierter Kühlmittelzufuhr
Integrated coolant supply



F

Sans arrosage
Ohne Kühlung
Without coolant



Infos et avantages

Infos und Vorteile

Infos and advantages

Porte-outils avec écrou de serrage

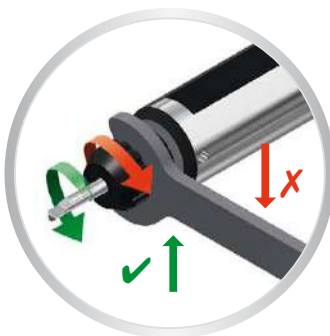
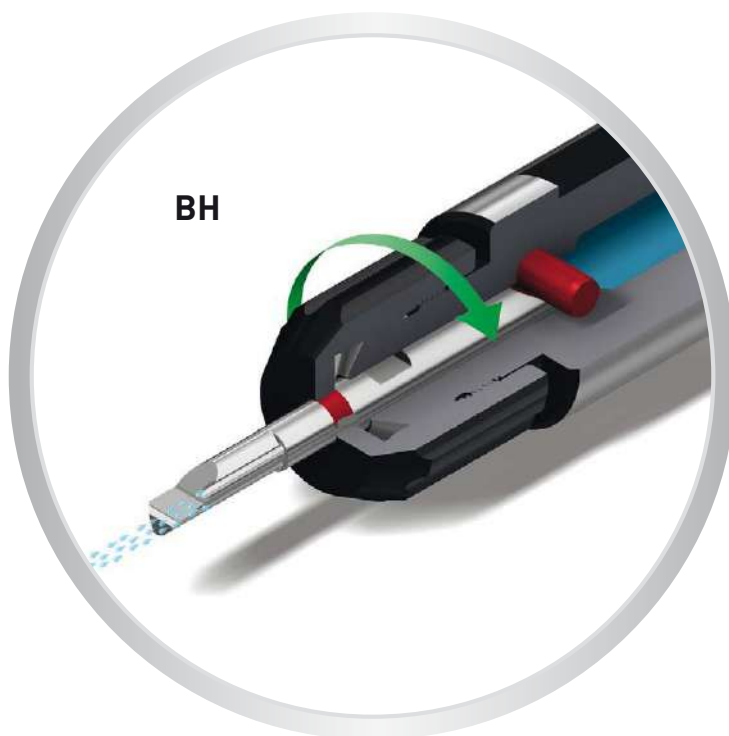
Halter mit Spannmutter

Holders with clamping nut

Arrosage par la barre d'alésage

Kühlung durch die Bohrstange

Cooling through the boring bar



Porte-outils avec arrosage multiple

Halter mit mehrfachen Kühlungssystem
 Holders with multiple coolant system

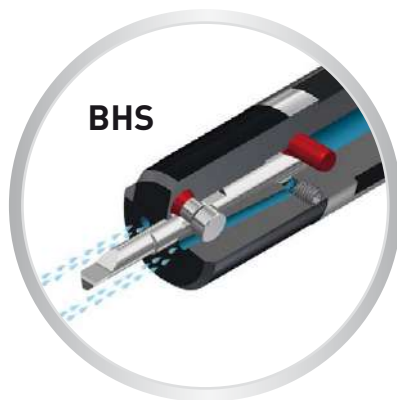
Infos et avantages

Infos und Vorteile
 Infos and advantages

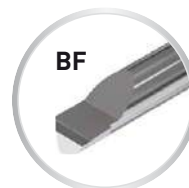
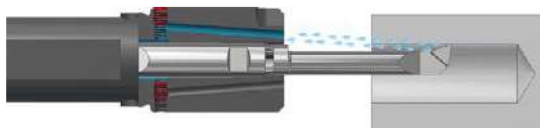
Système de serrage à vis transversale

Querverschraubungsspannsystem

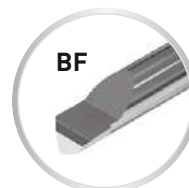
Clamping system with transverse screw



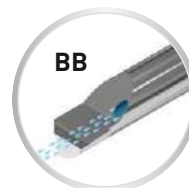
Arrosage sur l'arête de coupe
 Kühlung auf der Schneidkante
 Cooling on the cutting edge



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



IN-Line

Infos et avantages

Infos und Vorteile

Infos and advantages

Porte-outils à serrage hydraulique

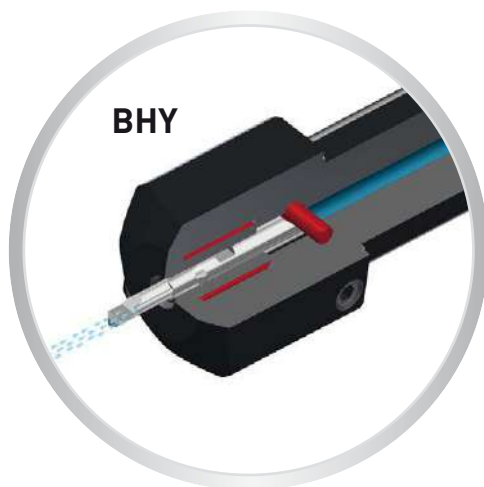
Hydro-Dehnspann-System Halter

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

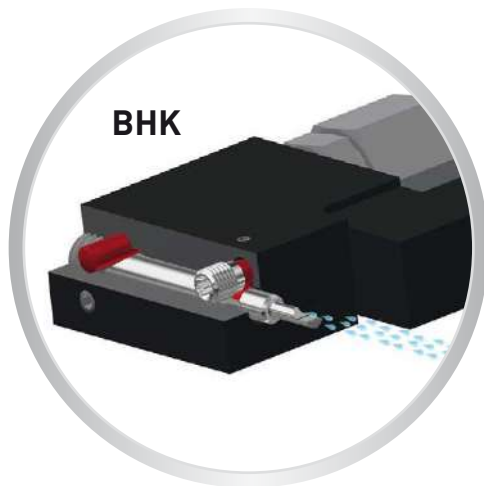
Gekröpfte Halter

Cranked holders

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



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



Recommandations de serrage

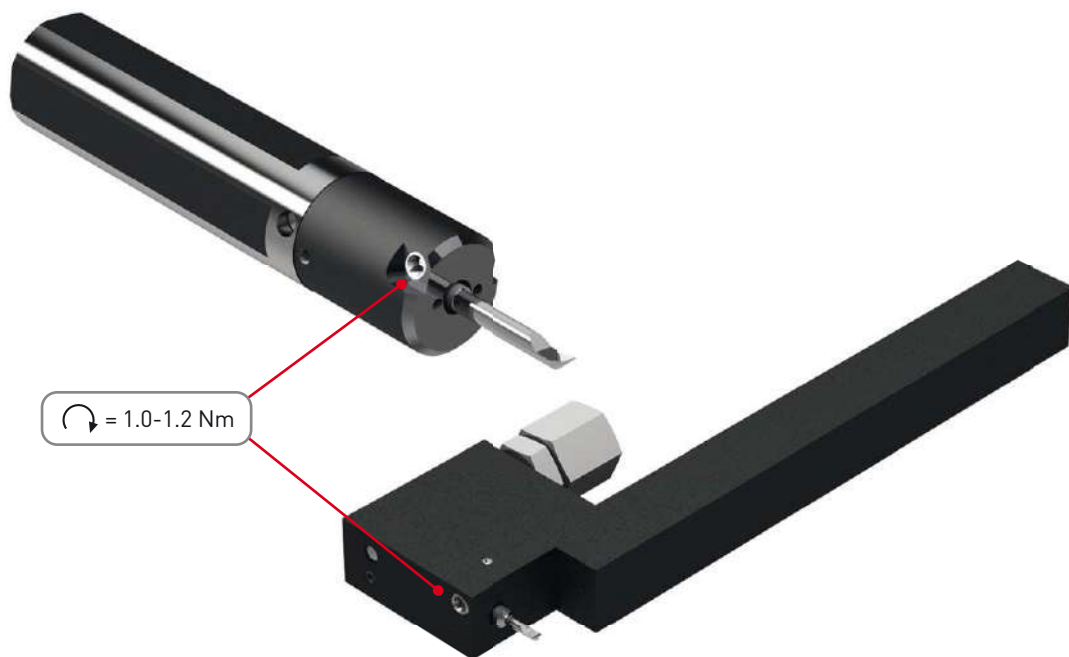
Spannempfehlungen

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.



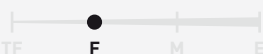
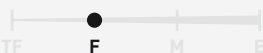
Art. N°

SET-NM1.2-TX8

Nuances

Sorten

Grades

μK30	ZTAF  • nuance universelle pour l'usage des aciers, aciers inoxydables, aciers alliés, alliages de titane • bonne résistance à la température	 K30 ZN + revêtement PVD ZN + PVD Beschichtung ZN + PVD coating      • 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  • 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, ...	 K30 ZN + revêtement PVD ZN + PVD Beschichtung ZN + PVD coating      • 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  • nuance de base micro-grain tenace • 1^{er} choix pour l'usinage des métaux non ferreux	 K30 Non revêtu Unbeschichtet Uncoated     • 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

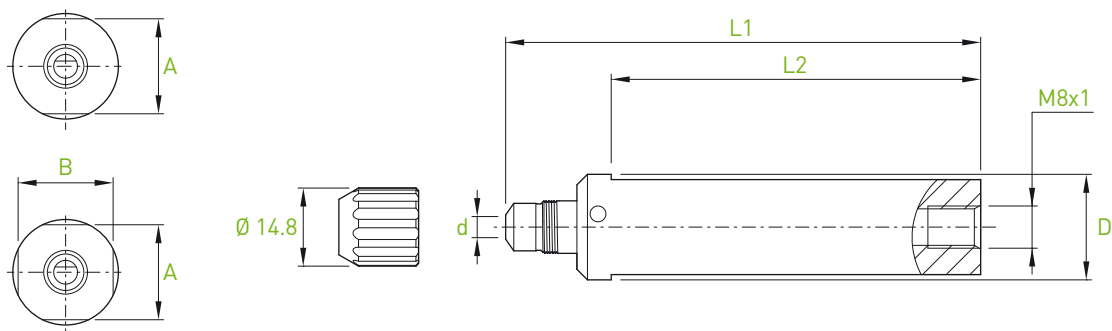
Matière Werkstoff Material	VC (m/min)	Ø barre d'alésage Bohrstange Ø boring bar Ø		
		Ø1.0 - Ø2.0 (mm/U)	Ø2.5 - Ø4.0 (mm/U)	Ø4.5 - Ø5.5 (mm/U)
Acier de décolletage Automatenstahl Free-cutting steel P	60-100	0.02-0.03	0.02-0.08	0.03-0.10
Acier faiblement allié Leicht legierter Stahl Low alloyed steel 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°

BH4...

BH4-M10

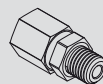


Art. N°

C-BH4-M10

Option

BH4...



Art. N°

J-M8X1-D6

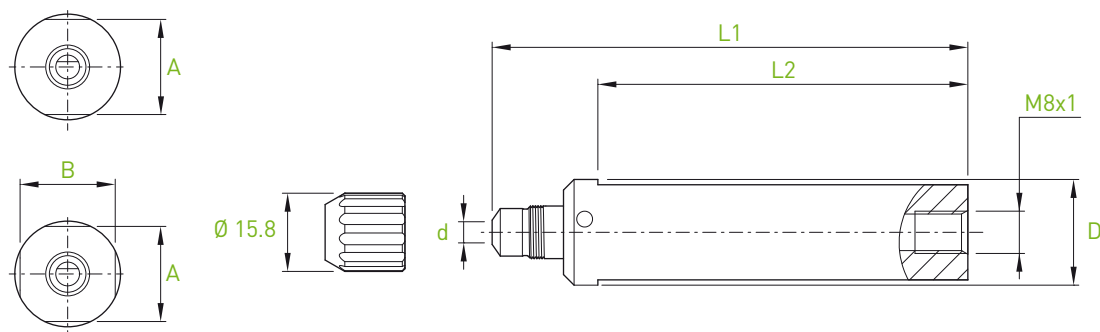
more option
see JET-Line

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°



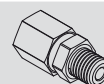
Art. N°

BH6...

BH6-M12

C-BH6-M12

Option



Art. N°

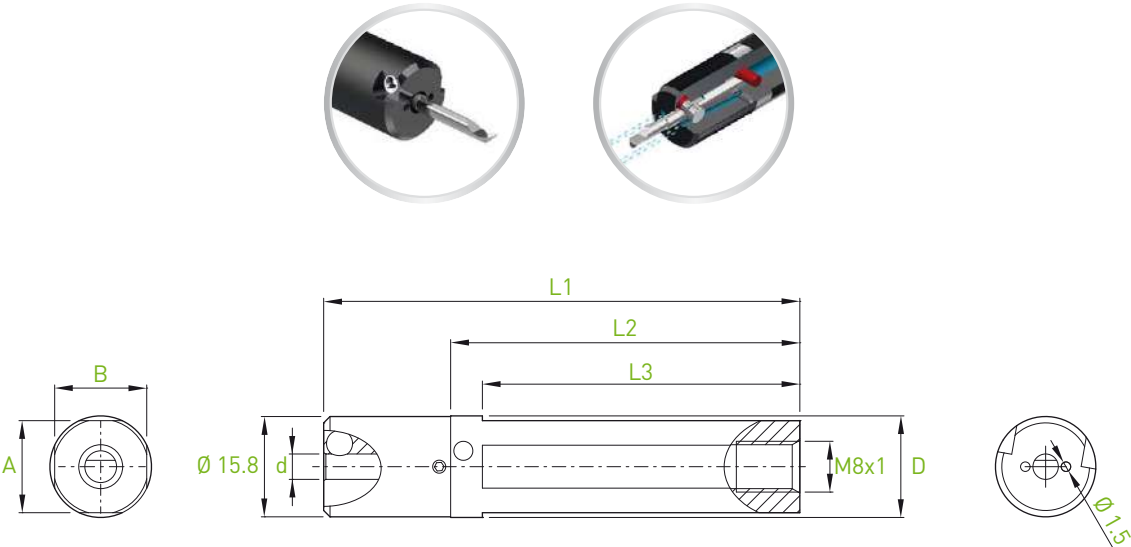
BH6...

J-M8X1-D6

more option
see JET-Line

BHS4-D

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



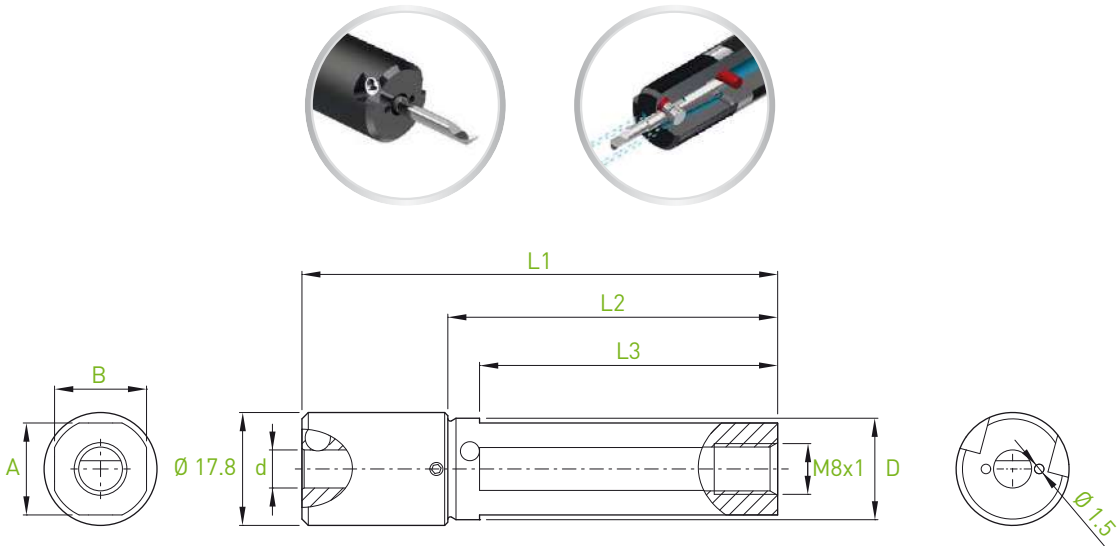
d	Bars	D	L1	L2	L3	A x B	Art. N°
4	BB4... BF4...	10	75	55	50	9.2x9.2	BHS4-D10-75-F4
		12	75	55	50	11x11	BHS4-D12-75-F4
		12.7	75	55	50	11.7x11.7	BHS4-D12.7-75-F4
		15.87	75	55	50	14.5x14.5	BHS4-D15.87-75-F4
		16	75	55	50	14.5x14.5	BHS4-D16-75-F4
		16	110	90	85	14.5x14.5	BHS4-D16-110-F4
		19.05	90	70	65	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

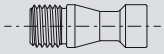
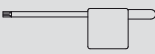
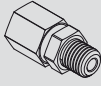
Option			
	Art. N°	Art. N°	Art. N°
BHS4...	C-T8	J-M8X1-D6	SET-NM1.2-TX8
		more option see JET-Line	

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

BHS6-D

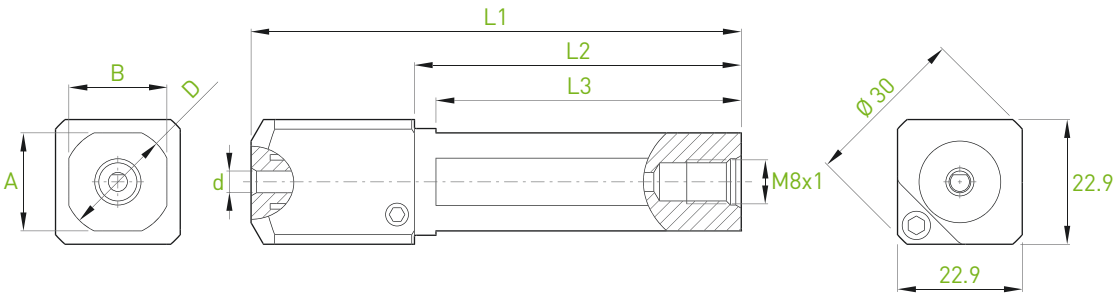
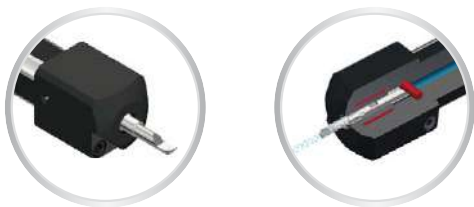


d	Bars	D	L1	L2	L3	A x B	Art. N°
6	BB6... BF6...	12	75	52	47	11x11	BHS6-D12-75-F4
		12.7	75	52	47	11.7x11.7	BHS6-D12.7-75-F4
		15.87	75	52	47	14.5x14.5	BHS6-D15.87-75-F4
		16	75	52	47	14.5x14.5	BHS6-D16-75-F4
		16	110	87	82	14.5x14.5	BHS6-D16-110-F4
		19.05	90	67	62	17x17	BHS6-D19.05-90-F4
		20	90	67	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°	Option		Art. N°		Art. N°		Art. N°
BHS4...	V-BHS-M4X0.5-T8		BHS6...	C-T8		J-M8X1-D6 more option see JET-Line	SET-NM1.2-TX8		

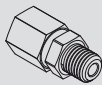
BHY4-D

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

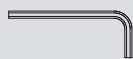


d	Bars	D	L1	L2	L3	A x B	Art. N°
4	BB4... BF4...	12	90	60	55	11.2x11.2	BHY4-D12-90-F4
		16	90	60	55	14.5x14.5	BHY4-D16-90-F4
		19.05	90	60	55	17x17	BHY4-D19.05-90-F4
		20	90	60	55	18x18	BHY4-D20-90-F4
		22	90	60	55	20x20	BHY4-D22-90-F4
		25	100	70	65	23x23	BHY4-D25-100-F4

Pièces de rechange
Ersatzteile
Spare parts



Art. N°



Art. N°

BHY4...

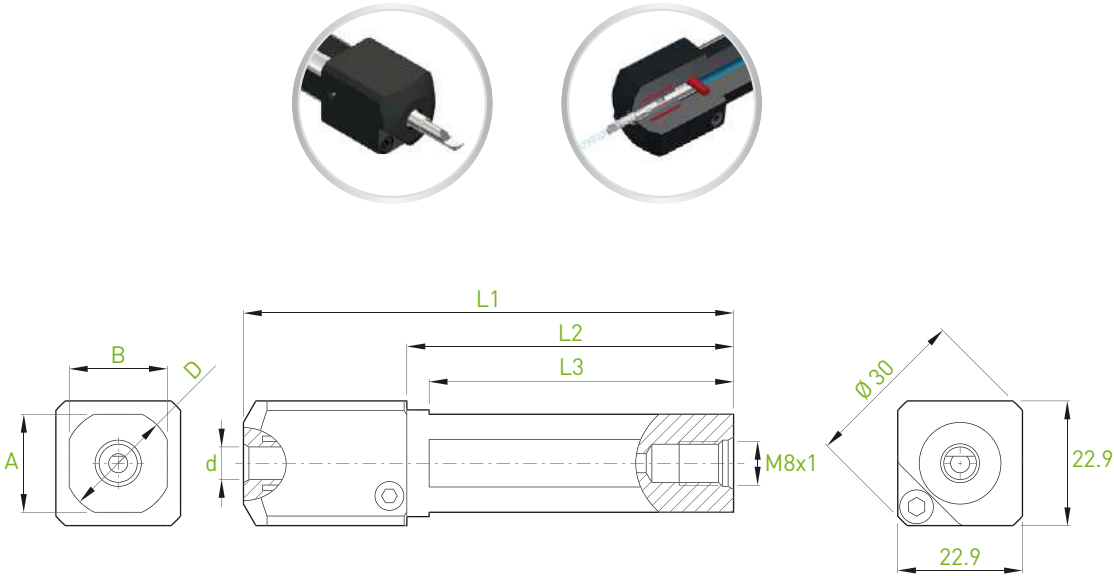
J-M8X1-D6

C-6P-3.0

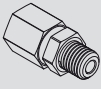
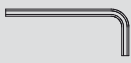
more option
see JET-Line

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

BHY6-D

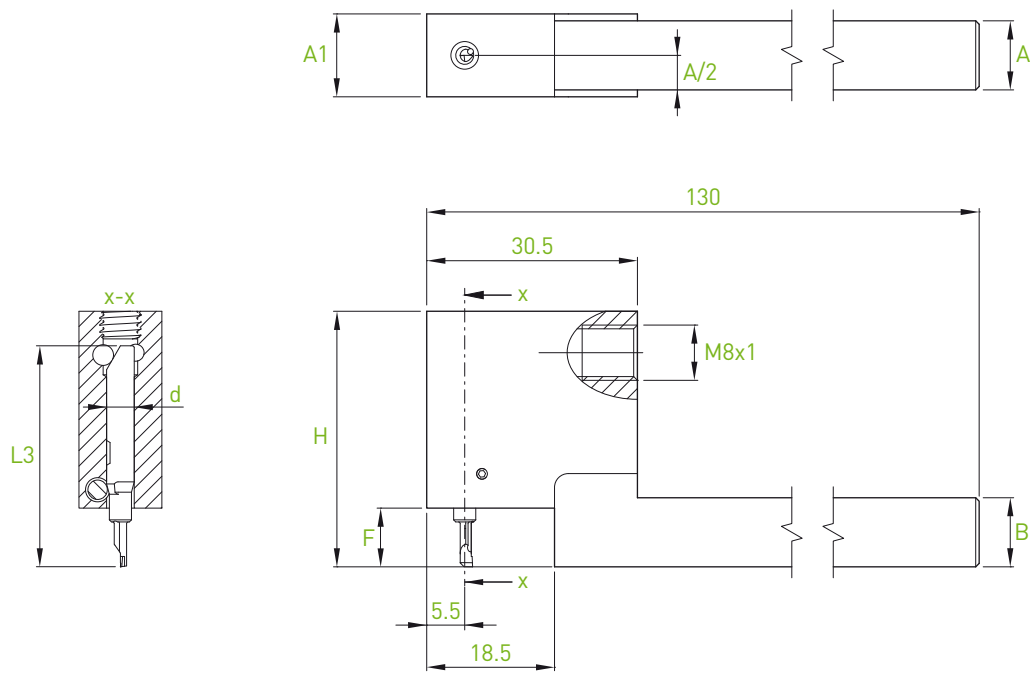


d	Bars	D	L1	L2	L3	A x B	Art. N°
6	BB6... BF6...	12	90	60	55	11.2x11.2	BHY6-D12-90-F4
		16	90	60	55	14.5x14.5	BHY6-D16-90-F4
		19.05	90	60	55	17x17	BHY6-D19.05-90-F4
		20	90	60	55	18x18	BHY6-D20-90-F4
		22	90	60	55	20x20	BHY6-D22-90-F4
		25	100	70	65	23x23	BHY6-D25-100-F4

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

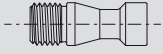
BHK4N

Porte-outils coudés
Kröpfhalter
Cranked holders



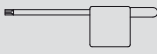
d	Bars	L3	A x B	F	H	A1	Art. N°
4	BB4R... BF4R...	32	8x8	8.5	37	12	BHK4N-0808X-32R
			10x10	8.5	37	12	BHK4N-1010X-32R
			12x12	8.5	37	12	BHK4N-1212X-32R
			16x16	8.5	37	16	BHK4N-1616X-32R
		37	8x8	13.5	42	12	BHK4N-0808X-37R
			10x10	13.5	42	12	BHK4N-1010X-37R
			12x12	13.5	42	12	BHK4N-1212X-37R
			16x16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

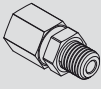
Pièces de rechange
Ersatzteile
Spare parts


Art. N°
V-BHK-M4X0.5-T8

BHK4N...

Option


Art. N°
C-T8


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


Art. N°
SET-NM1.2-TX8

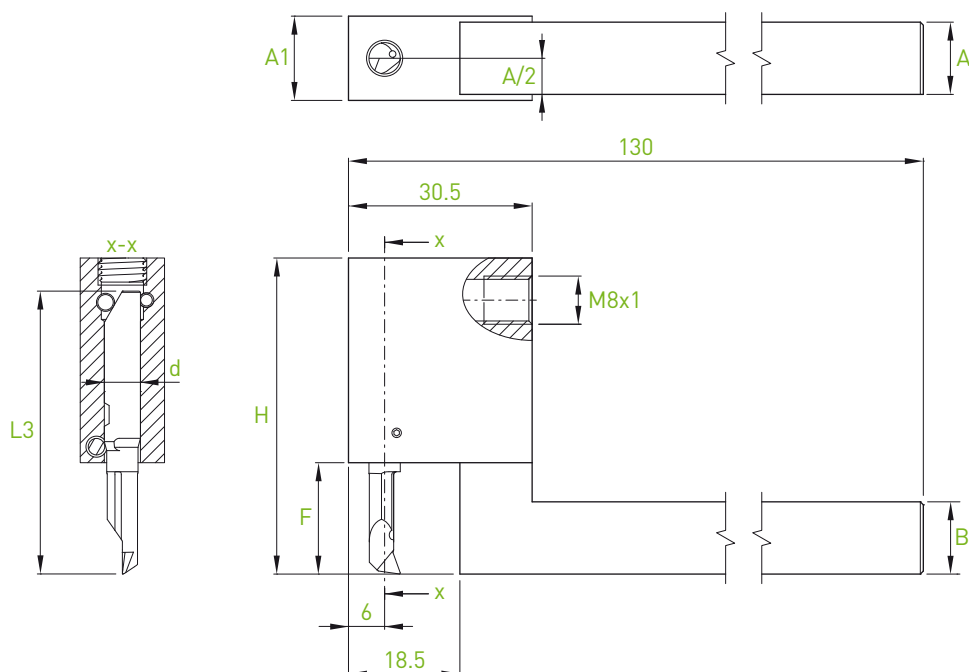
BHK4N...

Porte-outils coudés

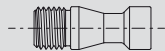
Kröpfhalter

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

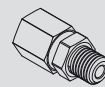
Option



Art. N°

BHK6N...

C-T8



Art. N°

J-M8X1-D6

more option
see JET-Line

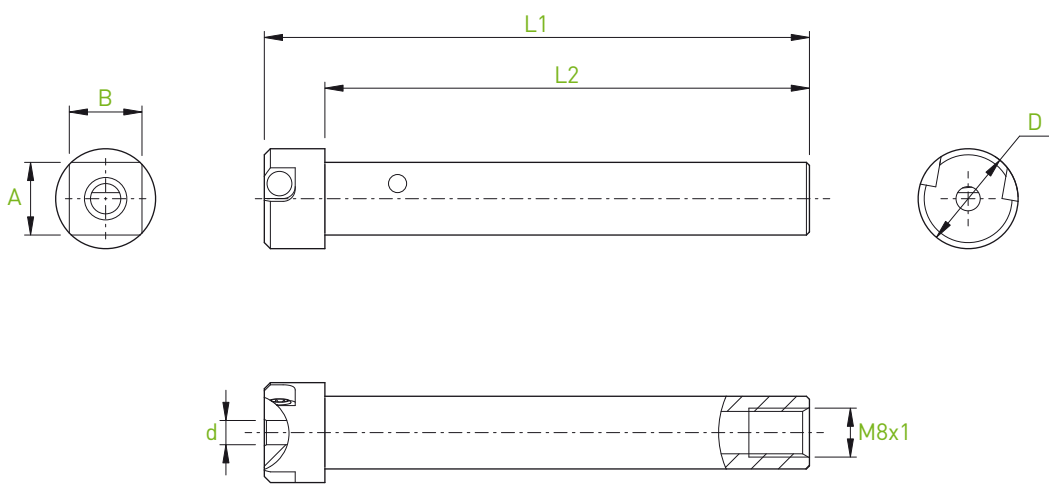
Art. N°

SET-NM1.2-TX8

BHS4

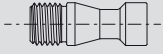
Porte-outils section carrée

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

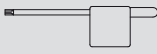


Art. N°

BHS4...

V-BHS-M4X0.5-T8

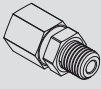
Option



Art. N°

BHS4...

C-T8



Art. N°

J-M8X1-D6
more option
see JET-Line



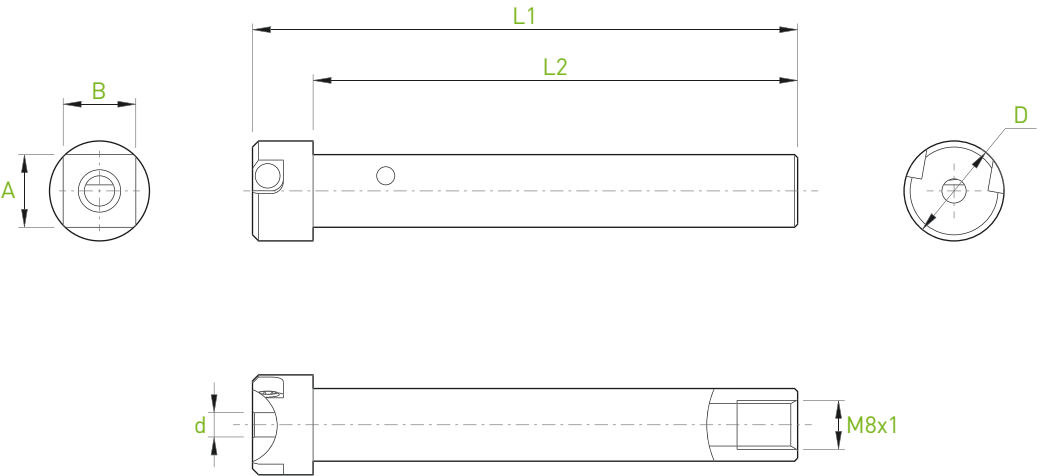
Art. N°

SET-NM1.2-TX8

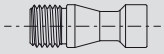
Porte-outils section carrée

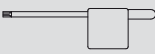
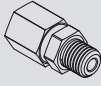
Viereckige Halter
Square holders

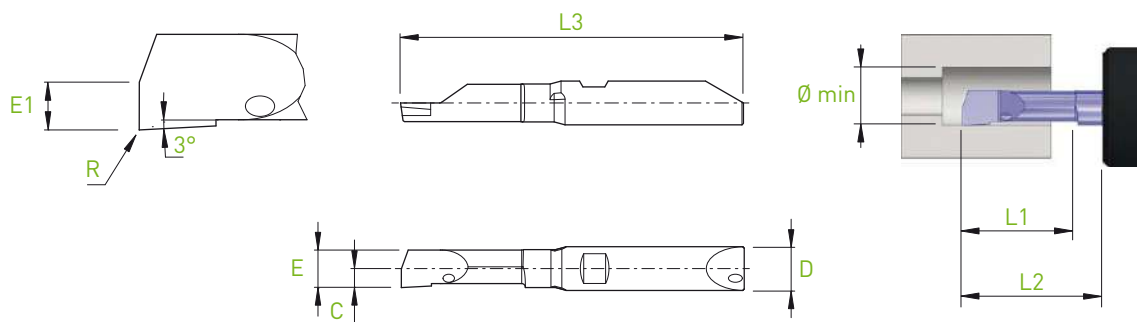
BHS6



d	Bars	A x B	L1	L2	D	Art. N°
6	BB6... BF6...	12x12	90	80	17.5	BHS6-1212-90
		16x16	100	-	-	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
		more option see JET-Line	



D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	E1	C	R	L3	Art. N°	R		L	
												P M N S ZTAF	P M N S ZTAF	P M N S ZTAF	P M N S ZTAF
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	•	•	•	•

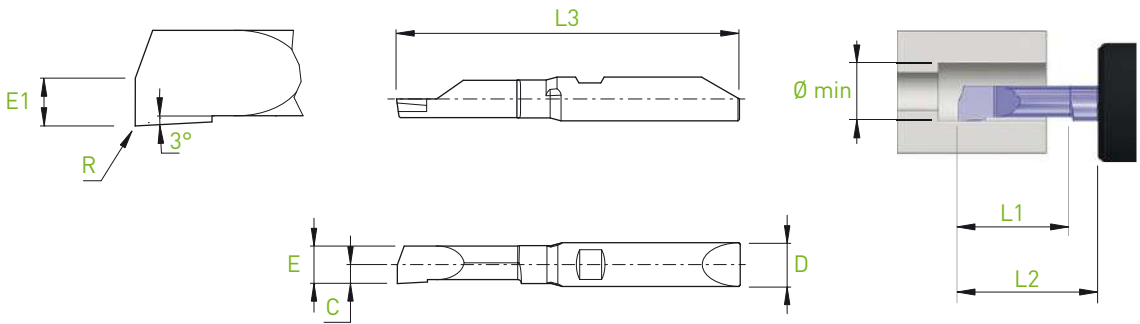
Alésage

Ausbohren
Boring

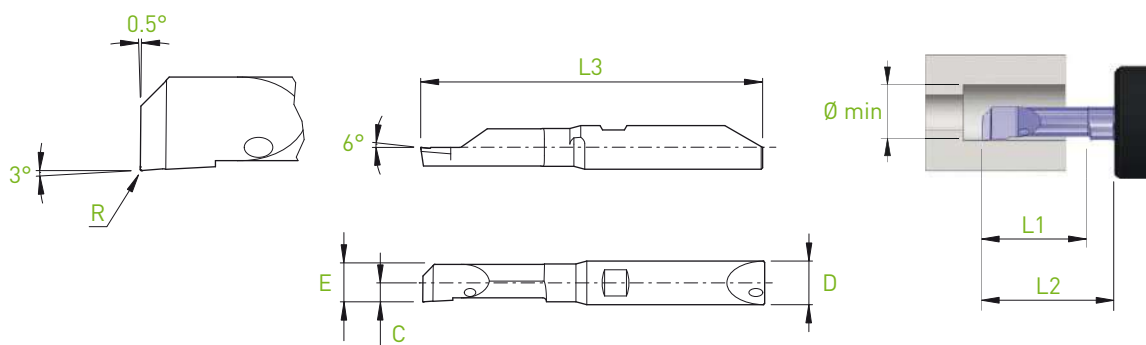


BF4...

BA



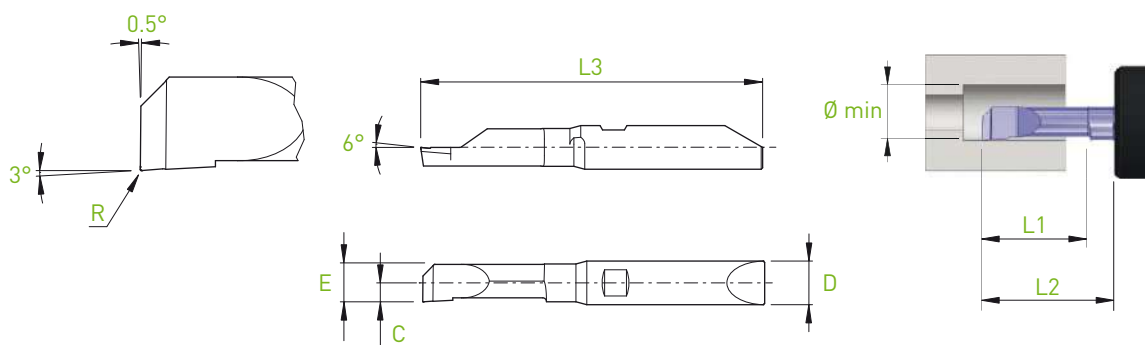
												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	E1	C	R	L3	Art. N°	P M N S ZTAF	P M N S ZTAXF	P N S ZN	P M N S ZTAF	P N S ZN
4	BH4... BHS4... BHY4... BHK4...	0.3	0.9	10	8.5	0.27	0.13	0.15	0	32	BF4R/L-0309-BA	●	●	●	●	●
		0.4	1.2	10	8.5	0.36	0.18	0.20	0	32	BF4R/L-0412-BA	●	●	●	●	●
		0.5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



D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	C	R	L3	Art. N°	R		L	
											ZTAF P M N S	ZTAXF P M N S	ZN P M N S	ZN P M N S
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	•	•	•	•

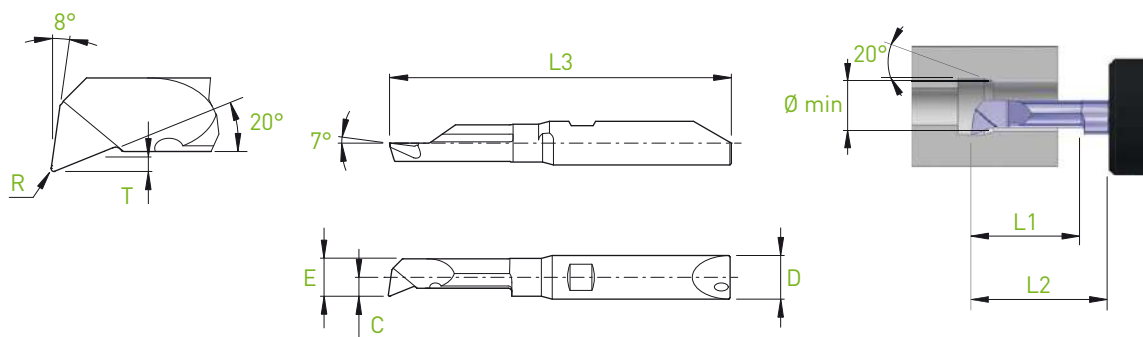
D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	E	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZN
6	BH6... BHS6... BHY6... BHK6...	4.0	12.0	20	18.5	3.80	2.20	0.05	47	BB6R/L-40120-BAX-R05	•	•	•	•
			20.0	30	28.5	3.80	2.20	0.05	57	BB6R/L-40200-BAX-R05	•	•	•	•
		4.5	13.5	20	18.5	4.28	2.30	0.05	47	BB6R/L-45135-BAX-R05	•	•	•	•
			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	
				L2 BH4... BHY4...	L2 BHS4... BHK4...						P M N S	P M N S	P N S	P M N S	P N S
D h5	Holder	Ø min	L1			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	•	•	•	•	•



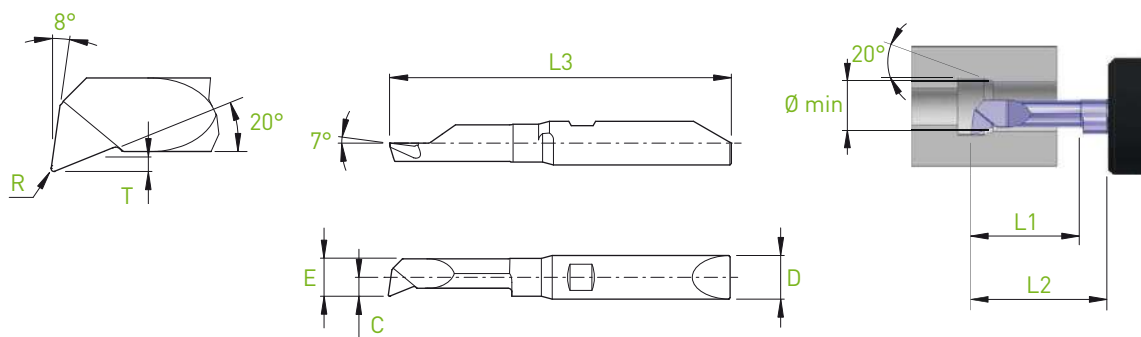
D _{h5}	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	C	R	L3	Art. N°	R		L	
												P M N S	P M N S	P M N S	P M N S
4	BH4... BHS4... BHY4... BHK4...	1.0	3.0	10	8.5	0.15	0.90	0.70	0.05	32	BB4R/L-1030-BCX-R05	•	•	•	•
			5.0	10	8.5	0.15	0.90	0.70	0.05	32	BB4R/L-1050-BCX-R05	•	•	•	•
		1.5	4.5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

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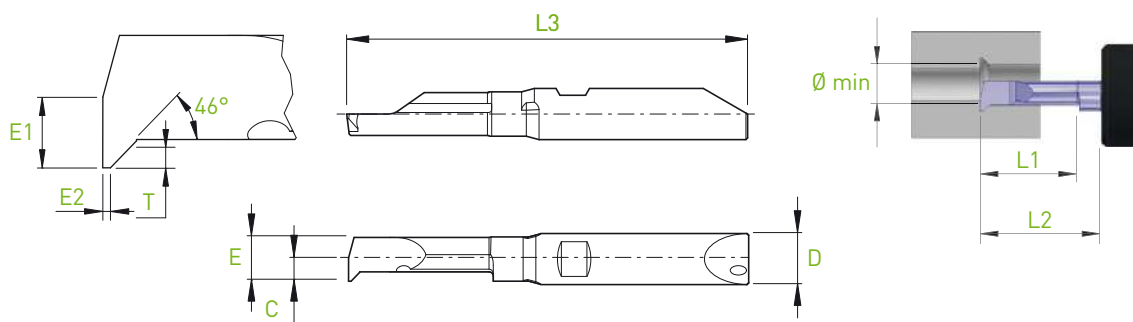
Ausbohren-kopieren
Boring-chamfering

BF4... / BF6...

BCX



D _{h5}	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	C	R	L3	Art. N°	R		L	
												P	M	P	P
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	•	•	•	•
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	•	•	•	•
		6.0	18.0	20	18.5	0.90	5.60	2.70	0.15	47	BF6R/L-60180-BCX-R15	•	•	•	•
			30.0	30	28.5	0.90	5.60	2.70	0.15	57	BF6R/L-60270-BCX-R15	•	•	•	•
		6.5	19.5	20	18.5	0.97	6.00	2.80	0.15	47	BF6R/L-65195-BCX-R15	•	•	•	•
			33.0	30	28.5	0.97	6.00	2.80	0.15	57	BF6R/L-65285-BCX-R15	•	•	•	•
		7.0	21.0	20	18.5	1.05	6.40	2.90	0.15	47	BF6R/L-70210-BCX-R15	•	•	•	•
			36.0	30	28.5	1.05	6.40	2.90	0.15	57	BF6R/L-70300-BCX-R15	•	•	•	•



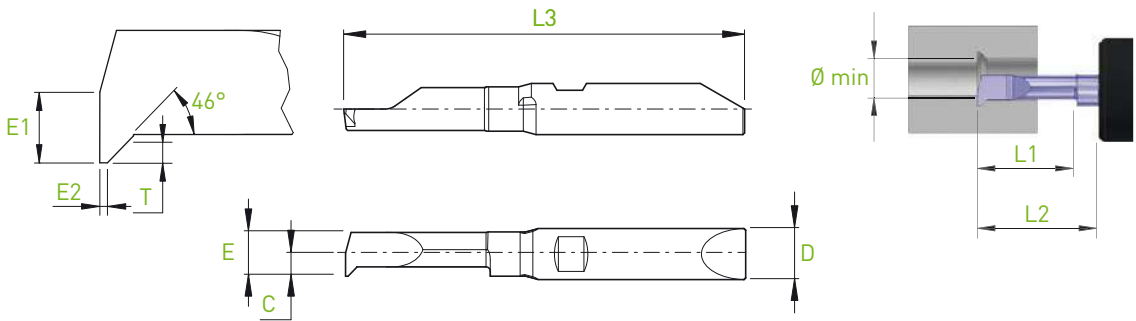
													R	L			
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	E1	C	E2	L3	Art. N°	P M N S ZTAF	P M N S ZTAXF	P M N S ZN	P M N S ZTAF	P M N S ZN
4	BH4... BHS4... BHY4... BHK4...	0.3	0.6	10	8.5	0.05	0.27	0.13	0.15	0.03	32	BB4R/L-0306-C45-E03	●	●	●	●	●
		0.4	0.8	10	8.5	0.07	0.36	0.18	0.20	0.03	32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

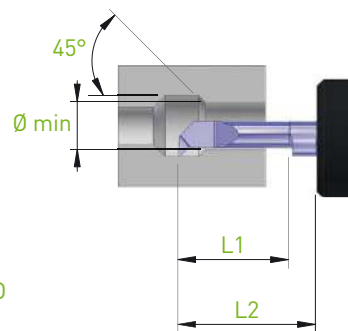
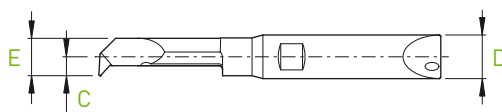
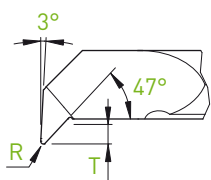


BF4... / BF6...

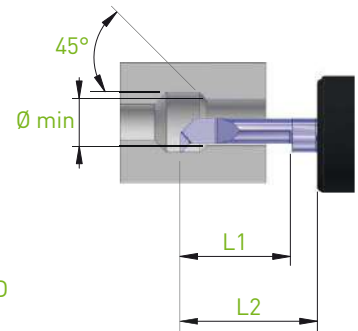
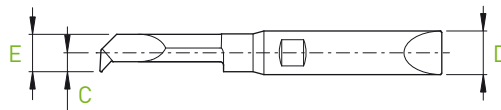
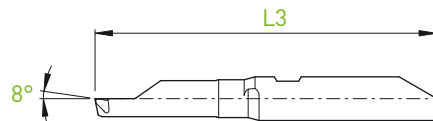
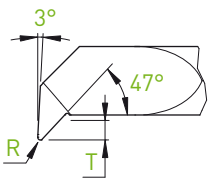
C45



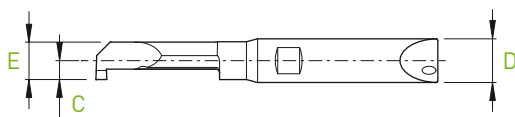
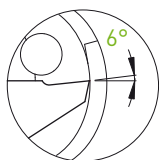
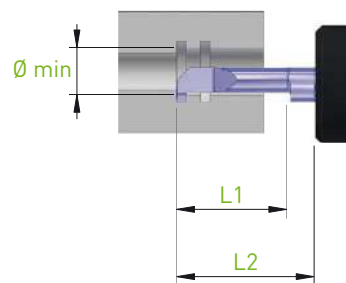
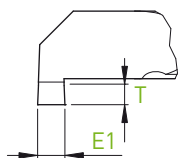
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	E1	C	E2	L3	Art. N°	R		L	
													P	P	P	P
													M	M	N	N
4	BH4... BHS4... BHY4... BHK4...	0.3	0.6	10	8.5	0.05	0.27	0.13	0.15	0.03	32	BF4R/L-0306-C45-E03	ZTAF	ZTAXF	ZN	ZN
		0.4	0.8	10	8.5	0.07	0.36	0.18	0.20	0.03	32	BF4R/L-0408-C45-E03	•	•	•	•
		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	•	•	•	•
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	ZTAF	ZTAXF	ZN	ZN
		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	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	C	R	L3	Art. N°	R		L	
												PTSM	PTSM	PTSM	PTSM
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°	R		L	
												ZTAF	ZTAXF	ZN	ZTAF
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	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	E	C	R	L3	Art. N°	R		L	
												PTAF	PTAF	PTAF	PTAF
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°	R		L	
												PTAF	PTAF	PTAF	PTAF
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	●	●	●	●

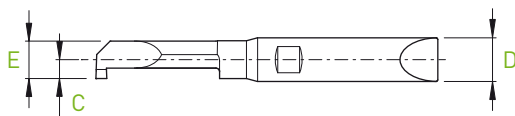
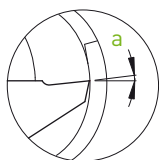
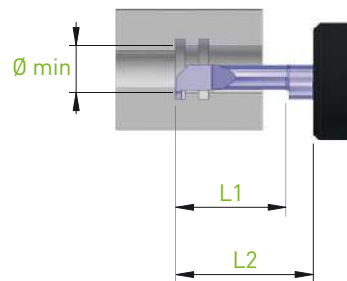
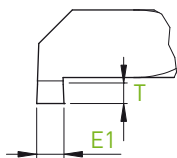


												R	L			
D _{h5}	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E1	T	E	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	3.0	9.0	15	13.5	0.50	0.60	2.70	1.45	37	BB4R/L-3090-G050X	●	●	●	●	●
			15.0	20	18.5	0.50	0.60	2.70	1.45	42	BB4R/L-30150-G050X	●	●	●	●	●
		3.5	10.5	15	13.5	0.75	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	●	●	●	●	●
						1.00					BB6R/L-55275-G100X	●	●	●	●	●
			27.5	30	28.5	1.50	1.10	5.15	2.60	57	BB6R/L-55275-G150X	●	●	●	●	●
						2.00					BB6R/L-55275-G200X	●	●	●	●	●

Gorge
 Einstechen
 Grooving

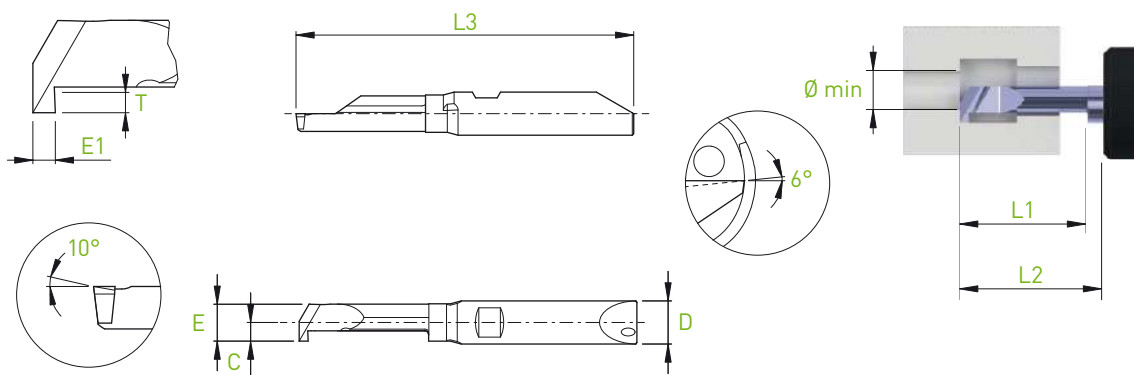

BF4... / BF6...

GX

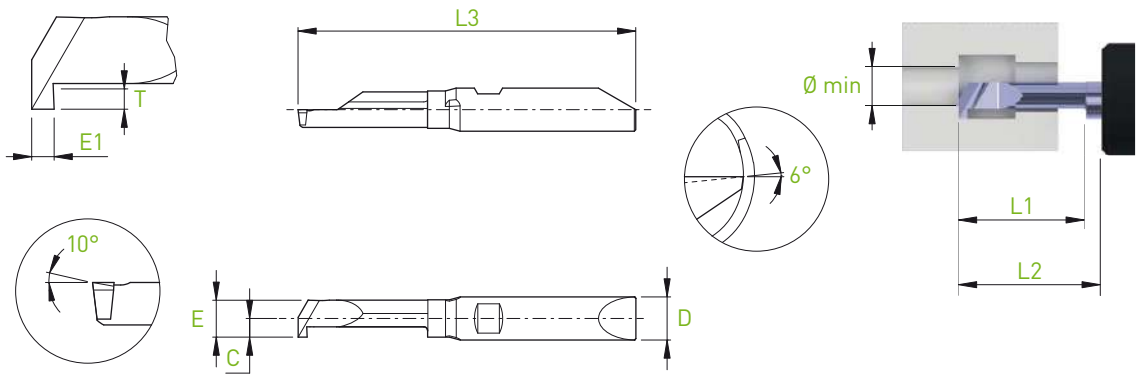


D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E1	T	E	a	C	L3	Art. N°	R		L	
													P M N S	P M N S	P M N S	P M N S
4	BH4... BHS4... BHY4... BHK4...	0.5	1.0	10	8.5	0.15	0.10	0.45	3°	0.25	32	BF4R/L-0510-G015X	•	•	•	•
		0.7	1.4	10	8.5	0.20	0.14	0.63		0.35	32	BF4R/L-0714-G020X	•	•	•	•
		1.0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

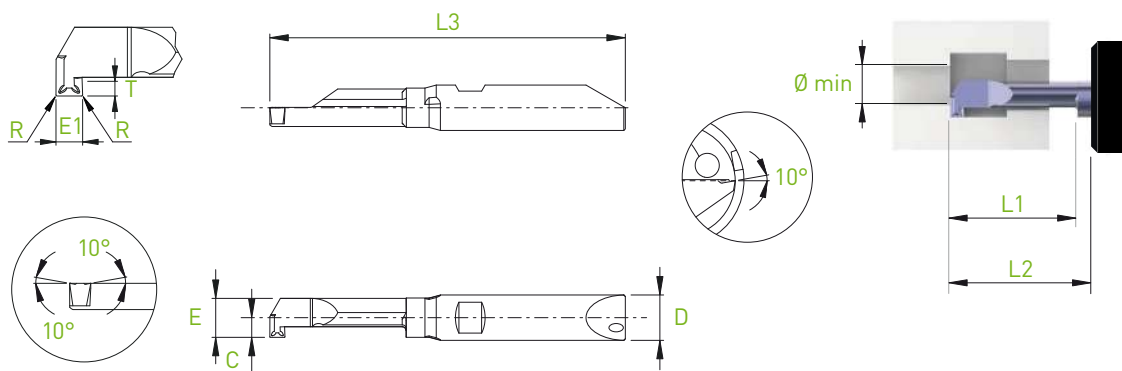
D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	E1	T	E	a	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
6	BH6... BHS6... BHY6... BHK6...	4.0	12.0	20	18.5	1.00	0.80	3.80	6°	2.20	47	BF6R/L-40120-G100X	•	•	•	•	•
			20.0	30	28.5	1.00	0.80	3.80		2.20	57	BF6R/L-40200-G100X	•	•	•	•	•
		4.5	13.5	20	18.5	1.00	0.90	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	1.50	1.10	5.15		2.60	47	BF6R/L-55165-G100X	•	•	•	•	•
						2.00						BF6R/L-55165-G150X	•	•	•	•	•
						1.00						BF6R/L-55275-G100X	•	•	•	•	•
			27.5	30	28.5	1.50	1.10	5.15		2.60	57	BF6R/L-55275-G150X	•	•	•	•	•
						2.00						BF6R/L-55275-G200X	•	•	•	•	•



D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E1	T	E	C	L3	Art. N°	R		L	
												P	P	P	P
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°	R		L	
												ZTAF	ZTAXF	ZN	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-tournageEinstechen 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 P M N S	ZTAXF P M N S	ZN P M N S	ZTAF P M N S	ZN P M N S
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	●	●	●	●	●



D	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	E1	T	E	C	R	L3	Art. N°	R		
													PTAF	PTAF	PTAF
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

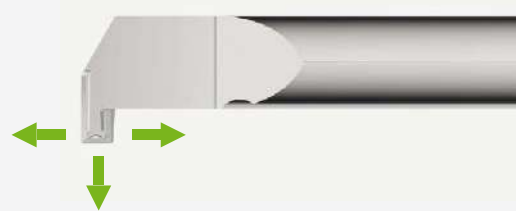


Three-directional

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

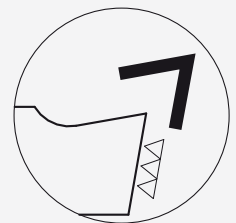


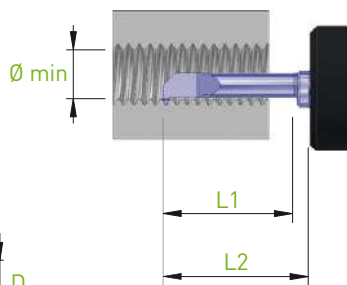
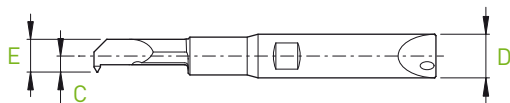
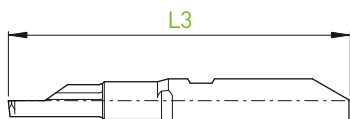
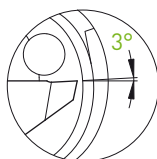
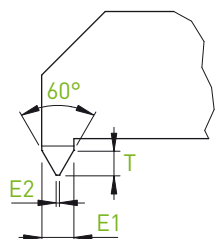
Sharp cutting edge

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

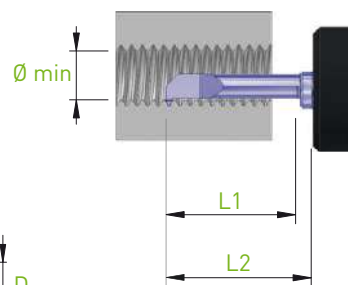
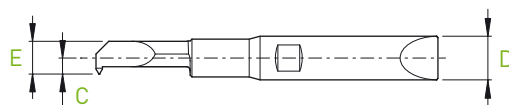
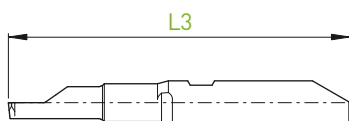
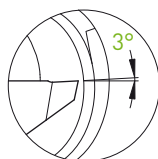
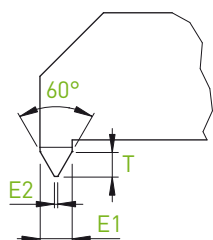
The sharp cutting edge ensures a high-quality finish while reducing cutting forces and tool wear



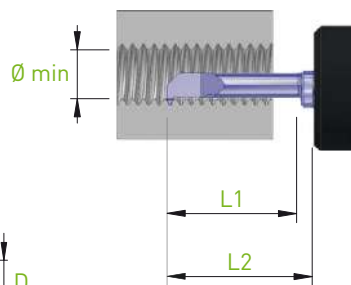
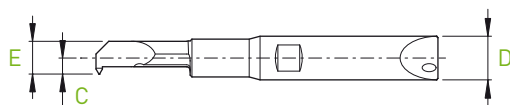
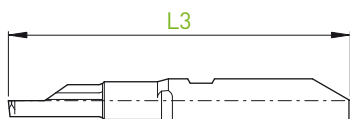
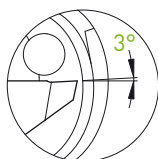
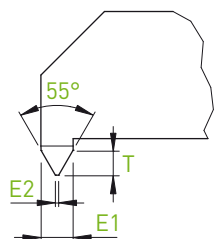


D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	P (mm)	P (TPI)	E1	E2 (0/-0.01)	T	E	C	L3	Art. N°	R		L	
															ZTAF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	1.25	3.2	10	8.5	0.20-0.35	80	0.30	0.02	0.25	1.10	0.80	32	BB4R/L-1232-TP60	•	•	•	•
		1.6	4.0	10	8.5	0.25-0.40	72-64	0.35	0.03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

Filetage
 Gewindedrehen
 Threading

BF4... / BF6...
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		L	
															PTAF	ZN	PTAF	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	13.5	0.35-0.50	56-48	0.44	0.04	0.34	2.25	1.35	37	BF4R/L-2590-TP60	•	•	•	•
		8.0	15	13.5	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	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°	R		L	
															PTAF	ZN	PTAF	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	18.5	0.50-0.80	36-32	0.70	0.06	0.55	3.78	2.10	47	BF6R/L-42150-TP60	•	•	•	•
		12.0	20	18.5	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	18.5	0.75-1.00	28-24	0.89	0.09	0.69	4.50	2.20	47	BF6R/L-50180-TP60	•	•	•	•



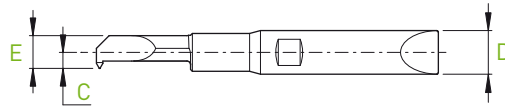
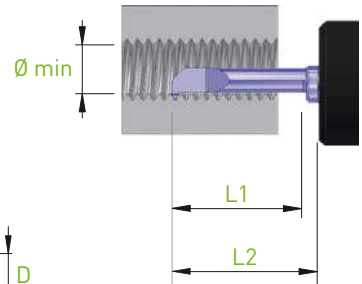
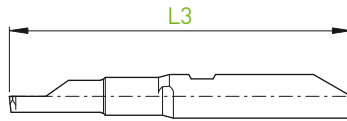
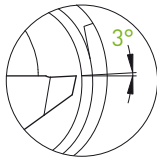
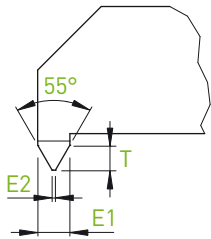
													R		L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	P (TPI)	E1	E2 [0/-0.02]	T	E	C	L3	Art. N°	ZTAF ZN	ZTAF ZN	ZTAF ZN
4	BH4...	1.85	4.5	10	8.5	48	0.54	0.09	0.44	1.67	0.97	32	BB4R/L-1845-TP55	•	•	•
	BHS4...															
	BHY4...	2.55	6.0	10	8.5	40	0.64	0.10	0.52	2.25	1.35	32	BB4R/L-2560-TP55	•	•	•
													R		L	
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	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...	5.10	15.0	20	18.5	26-20	1.30	0.16	1.09	4.60	2.05	47	BB6R/L-51150-TP55	•	•	•
	BHY6...															
	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	•	•	•

Filetage

Gewindedrehen
Threading

BF4... / BF6...

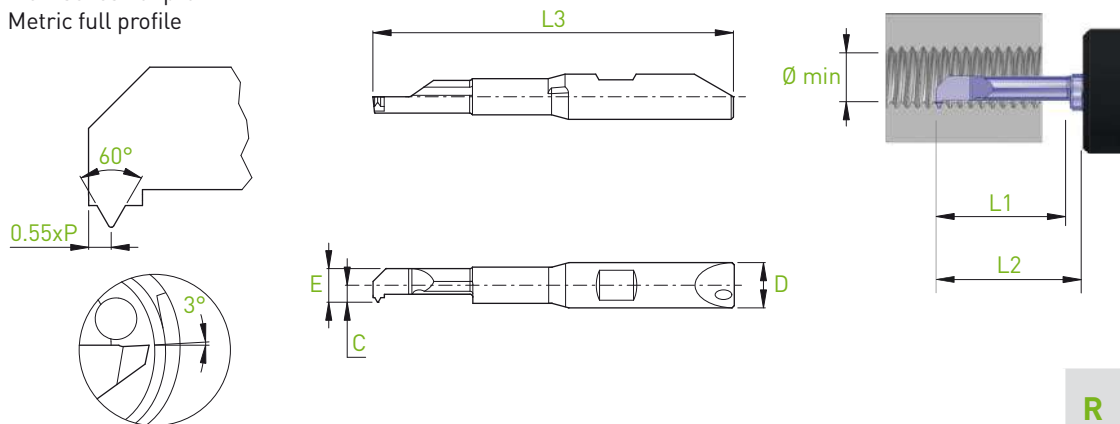
TP55



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		L	
														ZTAF	ZN	ZTAF	ZN
4	BH4...	1.85	4.5	10	8.5	48	0.54	0.09	0.44	1.67	0.97	32	BF4R/L-1845-TP55	●	●	●	●
	BHS4...																
	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	●	●	●	●
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...	5.10	15.0	20	18.5	26-20	1.30	0.16	1.09	4.60	2.05	47	BF6R/L-51150-TP55	●	●	●	●
	BHY6...																
	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



D h5	Holder	M (min)	Ø min	P (mm)	L1	L2	L2	E	C	L3	Art. N°	P M N S P N S	
						BH4... BHY4...	BHS4... BHK4...					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	L2	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	●	●

Filetage

Gewindedrehen
Threading

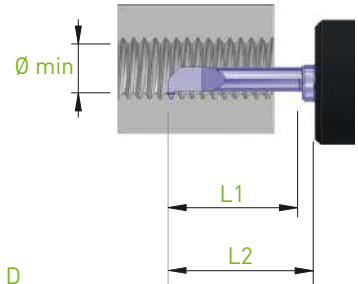
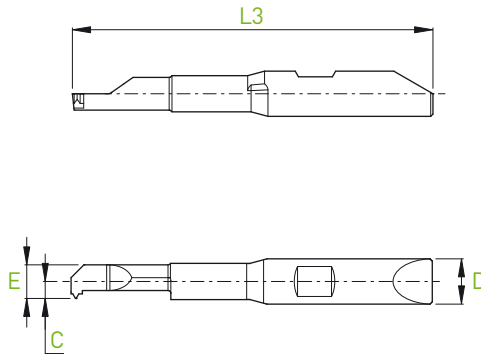
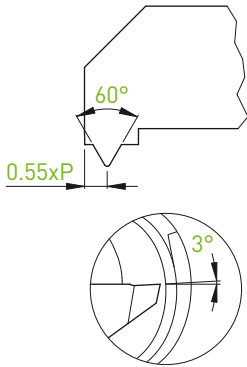
BF4... / BF6...

TM

Profil complet métrique

Metrisches Vollprofil

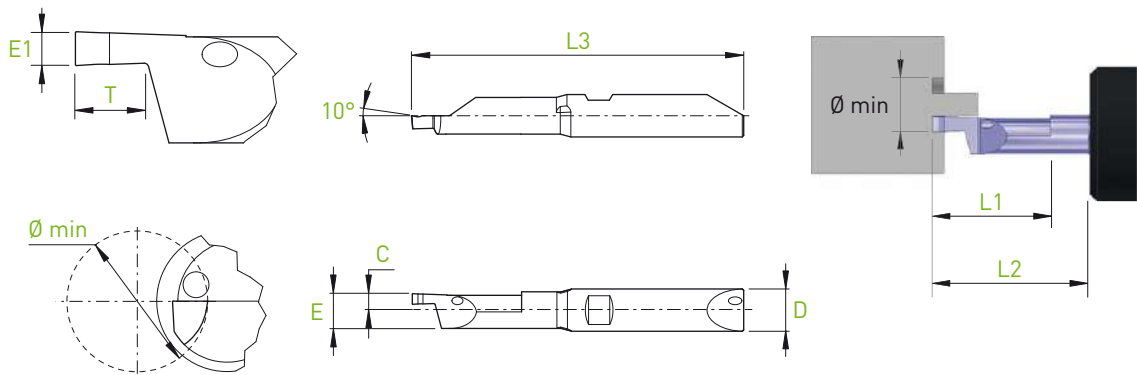
Metric full profile



D h5	Holder	M (min)	Ø min	P (mm)	L1	L2	L2	E	C	L3	Art. N°	ZTAF	P	N
						BH4... BHY4...	BHS4... BHK4...						M	N
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	L2	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	●	●	

R

P
M
N
SZTAF
ZN



											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	4.90	2.30	1.50	47	BB6R-50150-FEG150X	●	●

Gorge frontale intérieure

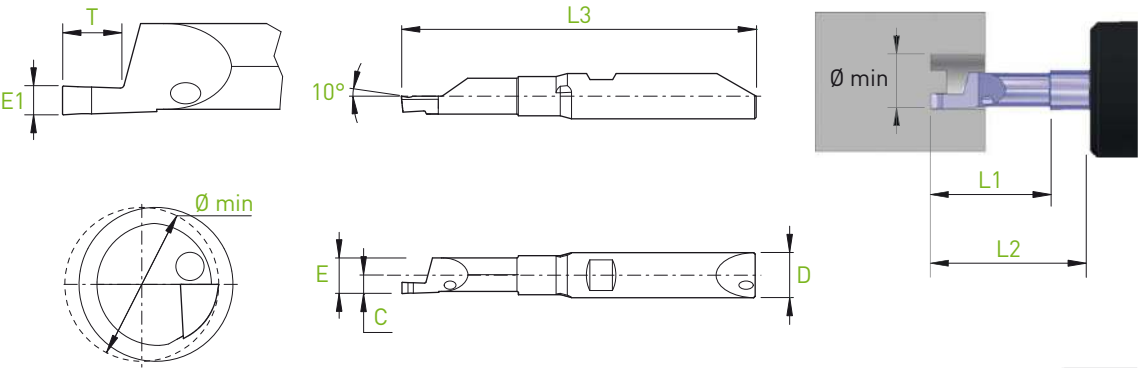
Innen axiales stechen

Internal axial grooving

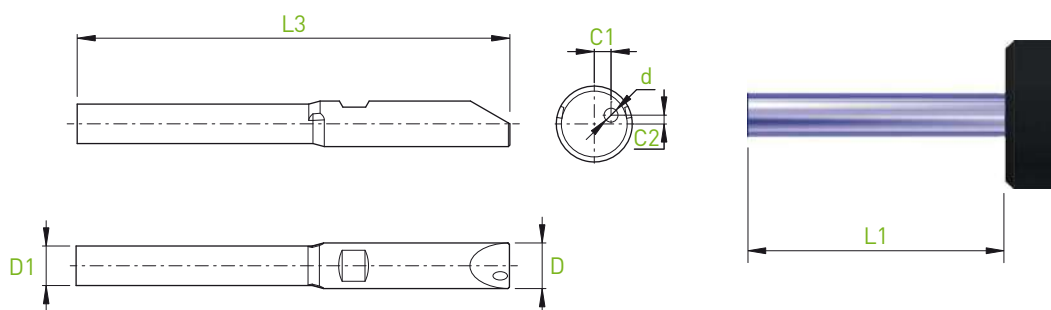


BB6...

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 Z
6	BH6... BHS6... BHY6... BHK6...	5.0	15.0	20	18.5	3.00	4.75	2.45	1.50	47	BB6R-50150-FIG150X	●	●



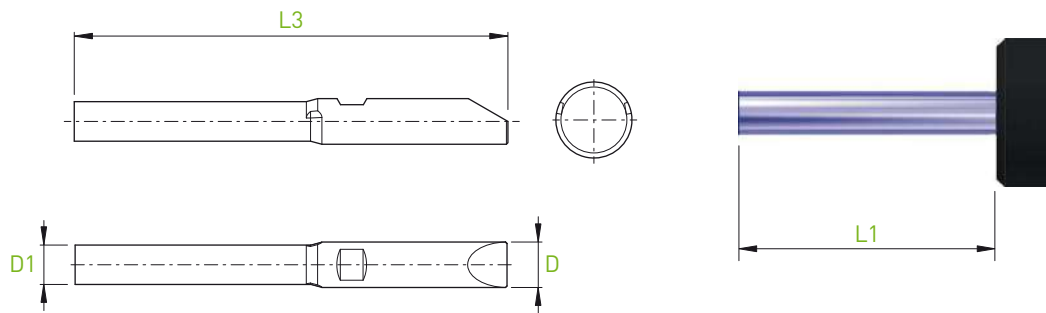
D h5	Holder	L1 BH4... BHY4...	L1 BHS4... BHK4...	D1	C1	C2	d	L3	Art. N°	Z
4	BH4... BHS4... BHY4... BHK4...	20.0	18.5	3.20	0.84	0.55	0.85	42	BB4R-E42	•
D h5	Holder	L1 BH6... BHY6...	L1 BHS6... BHK6...	D1	C1	C2	d	L3	Art. N°	Z
6	BH6... BHS6... BHY6... BHK6...	30.0	28.5	5.20	1.33	0.70	1.10	57	BB6R-E57	•

Ébauches
Rohlinge
Blanks



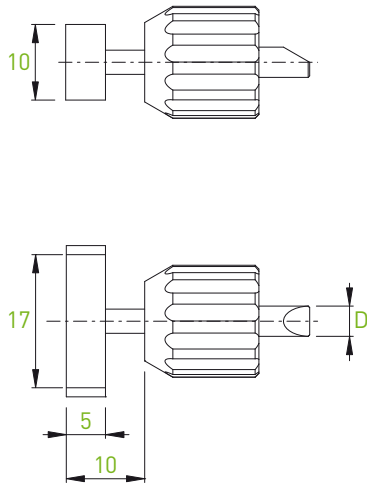
BF4... / BF6...

BF_E

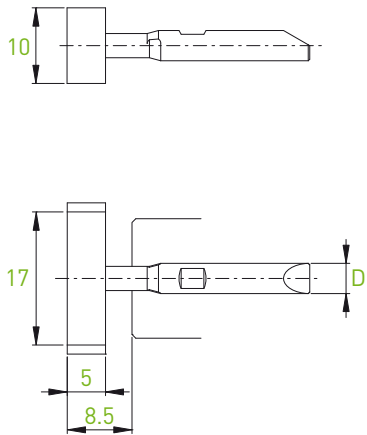


D h5	Holder	L1 BH4... BHY4...	L1 BHS4... BHK4...	D1	L3	Art. N°	NZ
4	BH4... BHS4... BHY4... BHK4...	20.0	18.5	3.20	42	BF4-E42	●

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



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



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

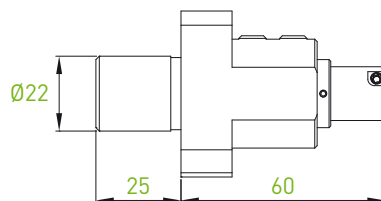


Art. N°

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

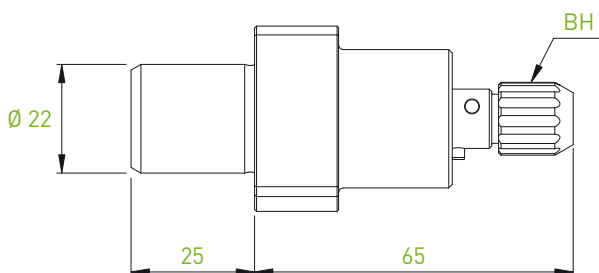
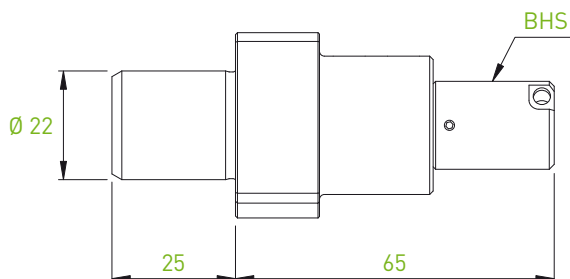
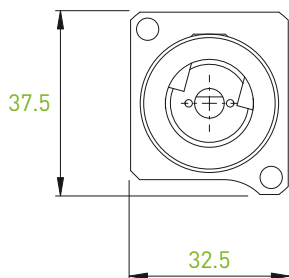


Types of STAR machines

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

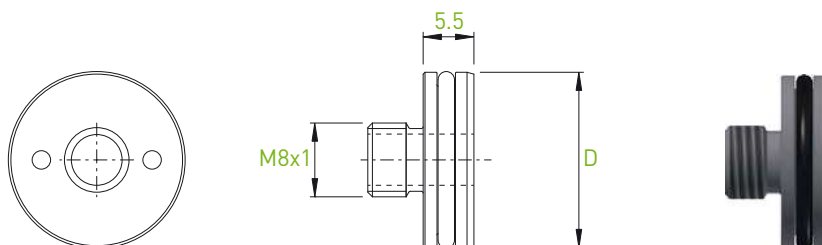
Types of STAR machines

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	●

SYMBOL

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	•	•				



Acier
Stahl
Steel



Inox
Rostfreistahl
Stainless steel



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



Titane et superalliages
Titan und Superlegierungen
Titanium and superalloys



Acier trempé
Gehärteter Stahl
Hardened steel



Fonte
Gusseisen
Cast iron



Matière exotique
Exotisches material
Exotic material



Carbure
Hartmetall
Carbide

