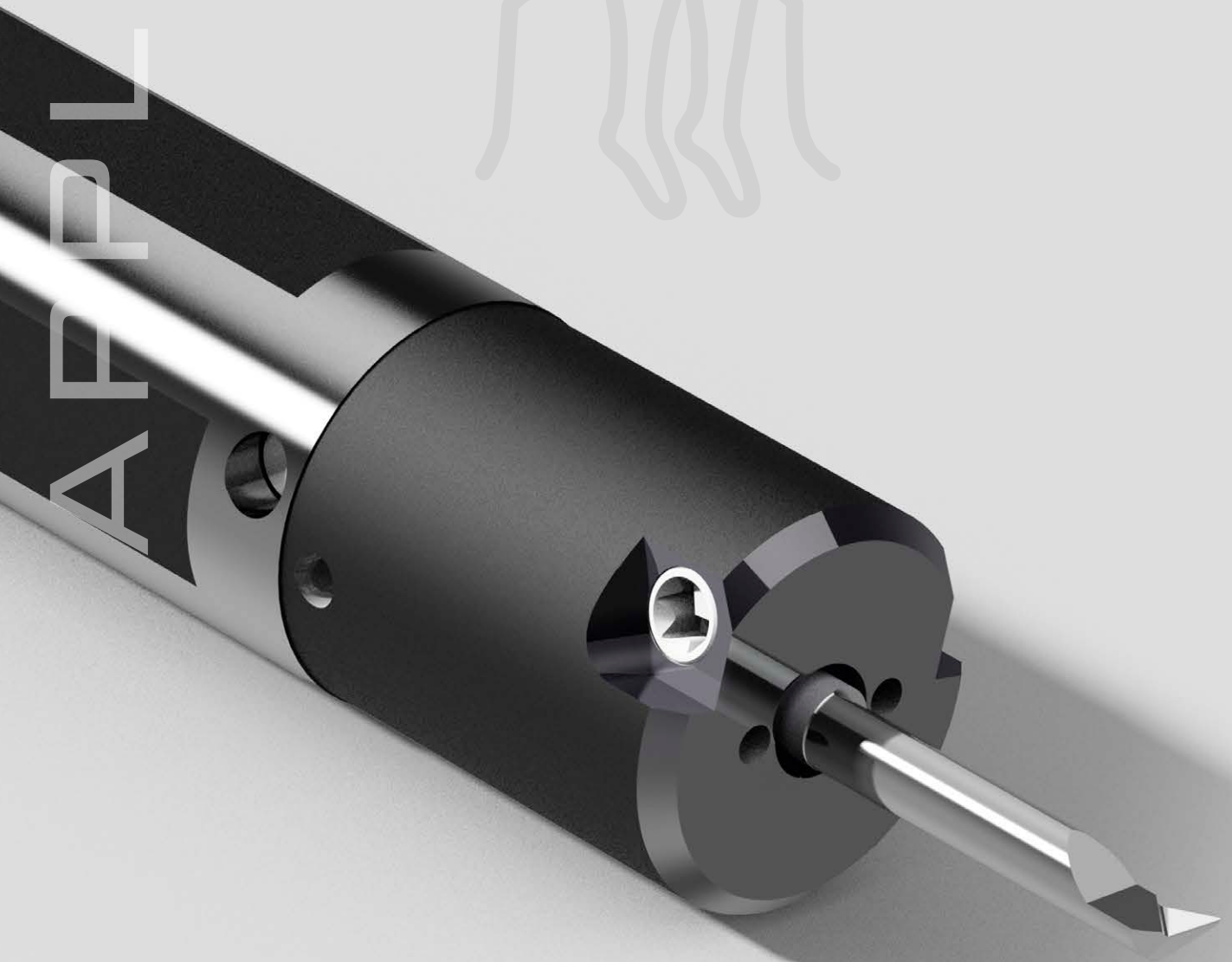
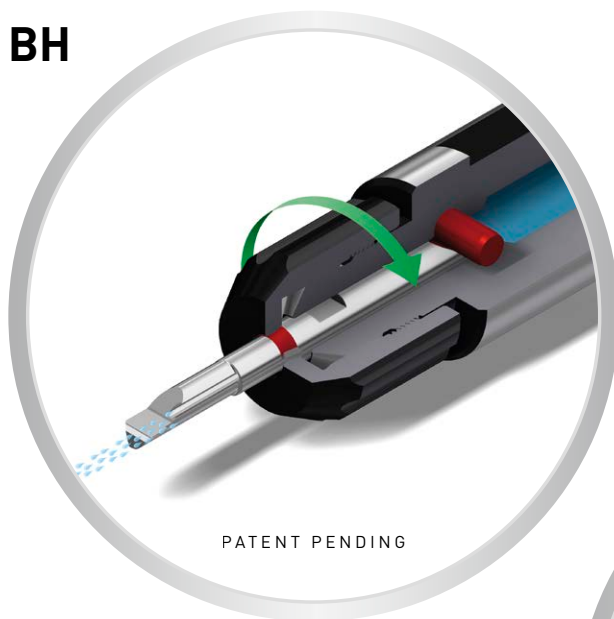


IN-Line

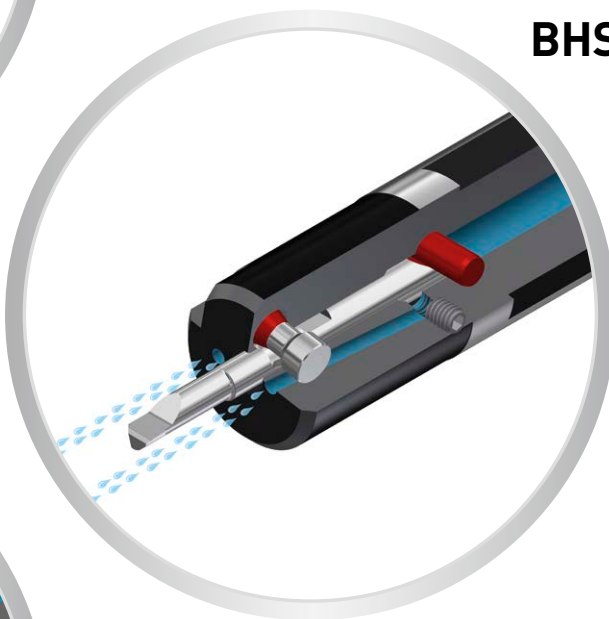


APPLITEC
SWISS TOOLING

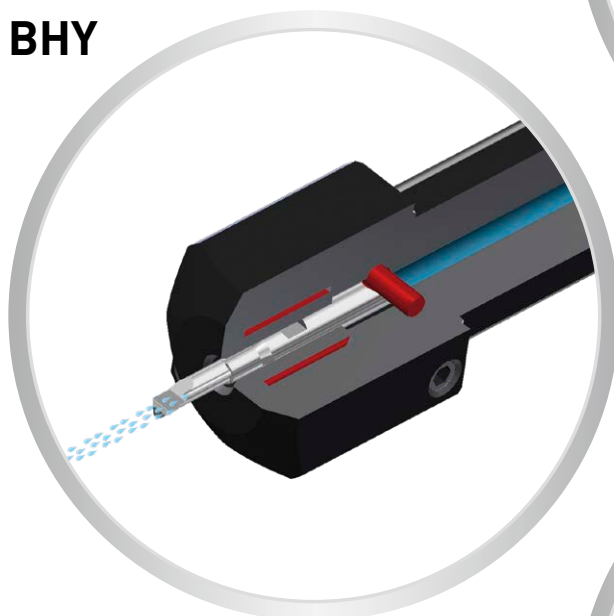
BH



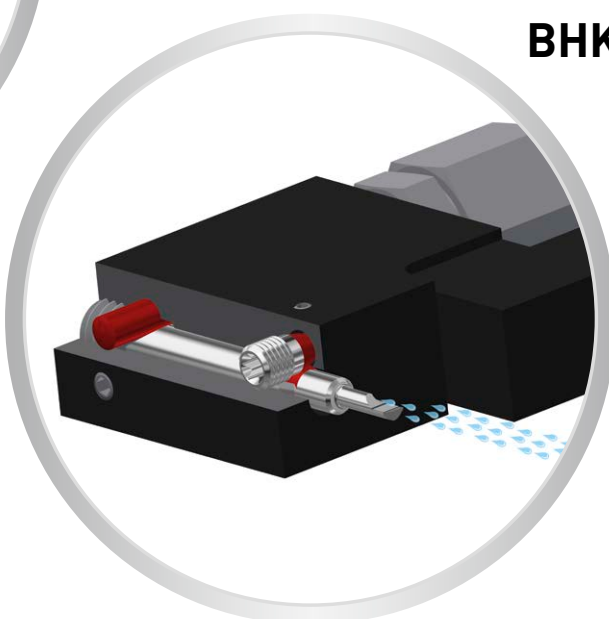
BHS

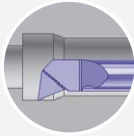
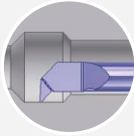
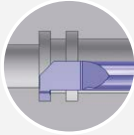
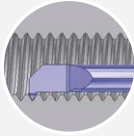
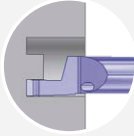


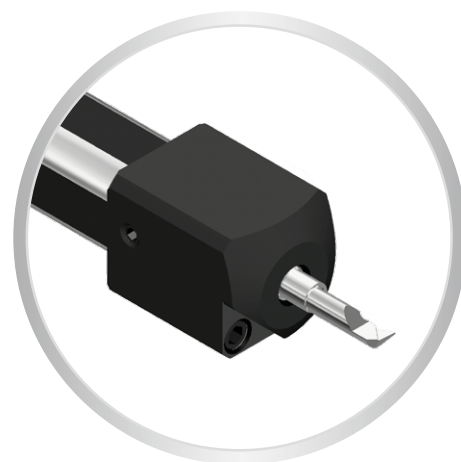
BHY



BHK



Système de désignation Bezeichnungssystem Designation system	Info		> 2
Nuances & paramètres de coupe Sorten & Schnittwerte Grades & machining data			> 8
Porte-outils Halter Holders	BH / BHS / BHY / BHK		> 10
Alésage Ausbohren Boring	BA / BAX		> 18
Alésage-copiage Ausbohren-kopieren Boring chambering	BCX		> 22
Copiage Kopieren Chambering	C45 / C45X		> 24
Gorge Einstechen Grooving	GX		> 28
Foncer-tourner Einstechen und drehen Grooving and turning	GTX		> 30
Filetage Gewindedrehen Threading	TP60° / TP55° / TM		> 32
Gorge frontale Axiales stechen Axial grooving	FEG / FIG	 	> 38
Ebauches / Jauges d'alignement / Adaptations machines / Accessoires Rohlinge / Richtplatten / Maschinenanpassungen / Zubehöre Blanks / Adjusting tools / Machines adapters / Accessories			> 40



H

HS

HY

B

H

4

-

D

20

-

100

Longueur
Länge
Length

Ø queue
Schaft Ø
Shank Ø

Queue cylindrique
Zylindrischer Schaft
Cylindrical shank

Ø alésage
Bohrung Ø
Bore Ø

Porte-outils
Halter
Holders

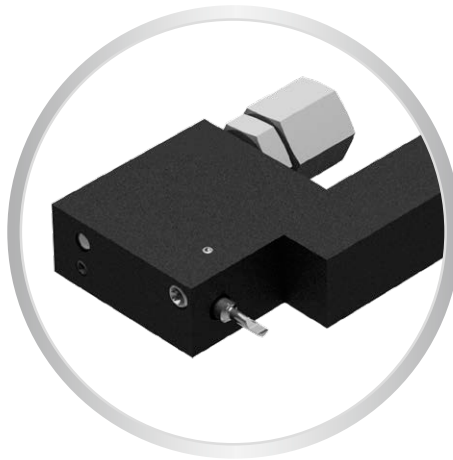
Ligne produit d'alésage
Innendrehen Produktlinie
Boring product line

Système de désignation des porte-outils

Halter Bezeichnungssystem

Holders designation system

BHK



HK

B HK 4 N - 20 - 32R

Barres d'alésages 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

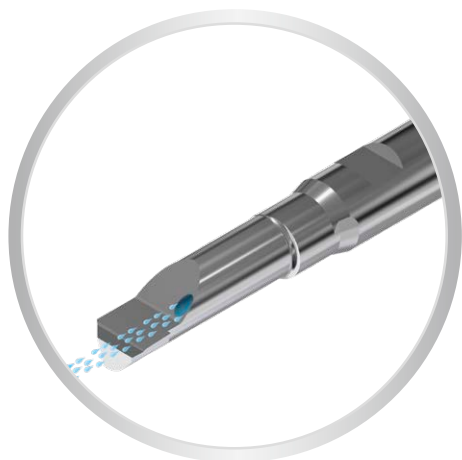
Ligne produit d'alésage
Innendrehen Produktlinie
Boring product line

IN-Line

Système de désignation des barres d'alésage

Bohrstangen Bezeichnungssystem

Boring bars designation system



B

F

B B 4 R - 25 - 75 - BAX - R05 - ZN

Longueur utile
Effective Nutzlänge
Length

Nuance
Sorte
Grade

Ø minimum
Minimal Ø
Minimum Ø

Indication complémentaire
Zusätzliche Angabe
Additional indication

R = rayon / Radius / radius

Exécution R/L
Ausführung R/L
Execution R/L

Géométries de coupe
Schneidgeometrien
Cutting geometries

Ø queue
Schaft Ø
Shank Ø

B = arrosage intégré
B = integrierter Kühlmittelzufuhr
B = integrated coolant supply

F = sans arrosage
F = ohne Kühlung
F = without coolant

Ligne produit d'alésage
Innendrehen Produktlinie
Boring product line

Porte-outils avec écrou de serrage

Halter mit Spannmutter

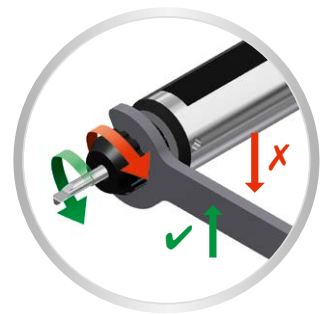
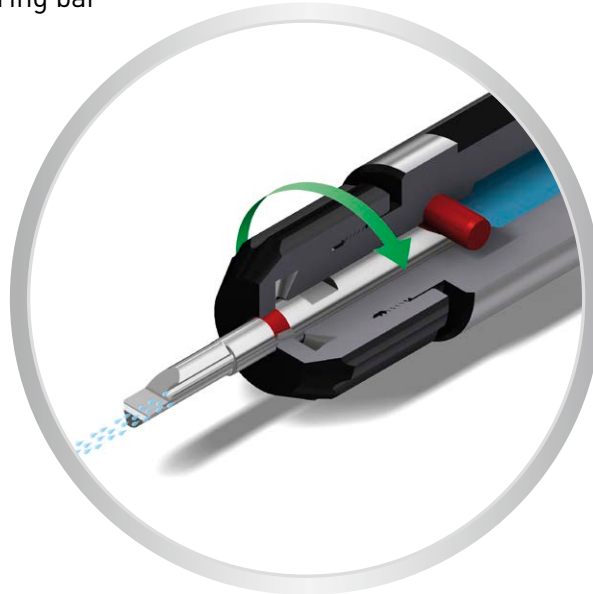
Tool holder with clamping nut

BH

Arrosage par la barre d'alésage

Kühlung durch die Bohrstange

Cooling through the boring bar



Porte-outils avec arrosage multiple

Halter mit mehrfaches Kühlungssystem

Tool holders with multiple coolant system

BHS

Système de serrage à vis transversale

Querverschraubungsspannsystem

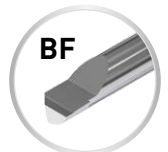
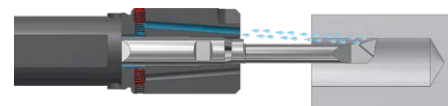
Clamping system with transverse screw



Arrosage sur l'arête de coupe

Kühlung auf der Schneidkante

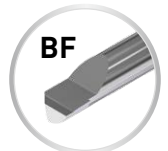
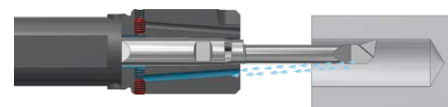
Cooling on the cutting edge



Arrosage favorisant l'évacuation des copeaux

Spanabfuhr fördernde Kühlung

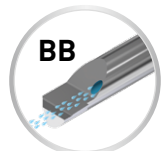
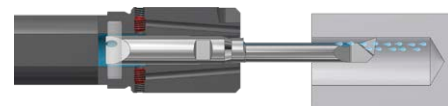
Cooling for better chip outflow



Arrosage par le centre de l'outil

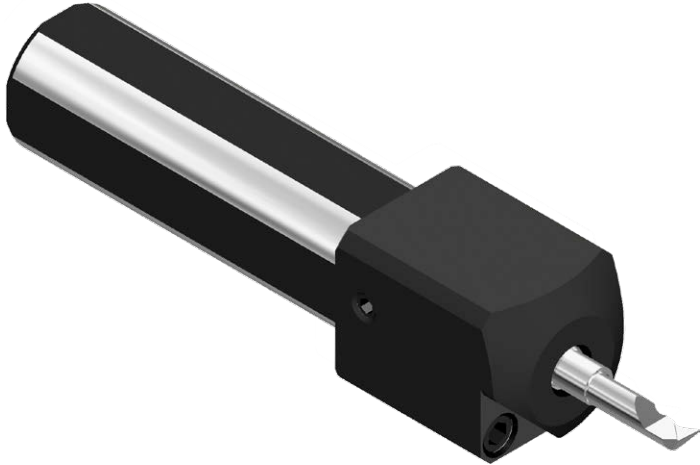
Zentrale Kühlmittelzufuhr

Cooling through the center of the tool



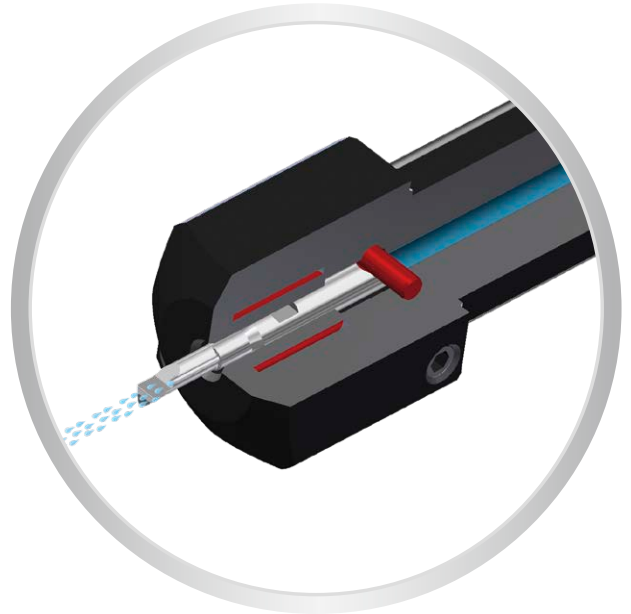
Porte-outils à serrage hydraulique
Halter mit Hydro-Dehnspann-System
Tool holders with hydraulic clamping system

BHY



Excellente absorption des vibrations!
 Ausgezeichnete Schwingungsdämpfung!
 Excellent vibration absorbtion!

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

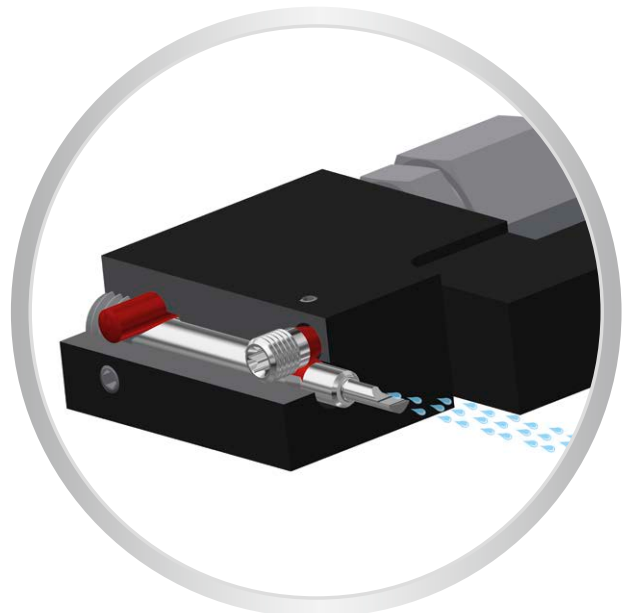
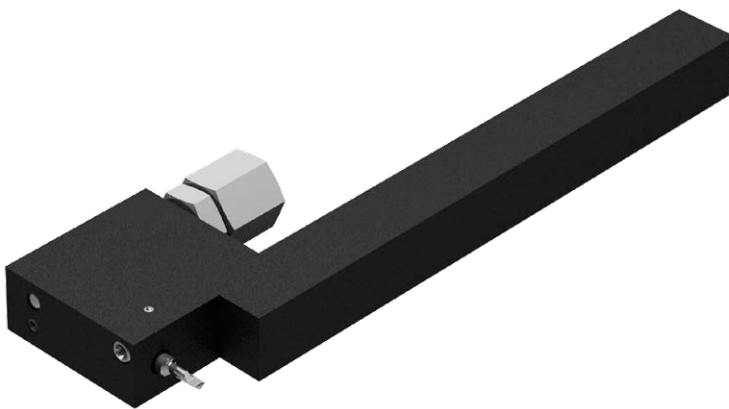


Porte-outils coudés
Gekröpfte Halter
Cranked tool holders

BHK

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

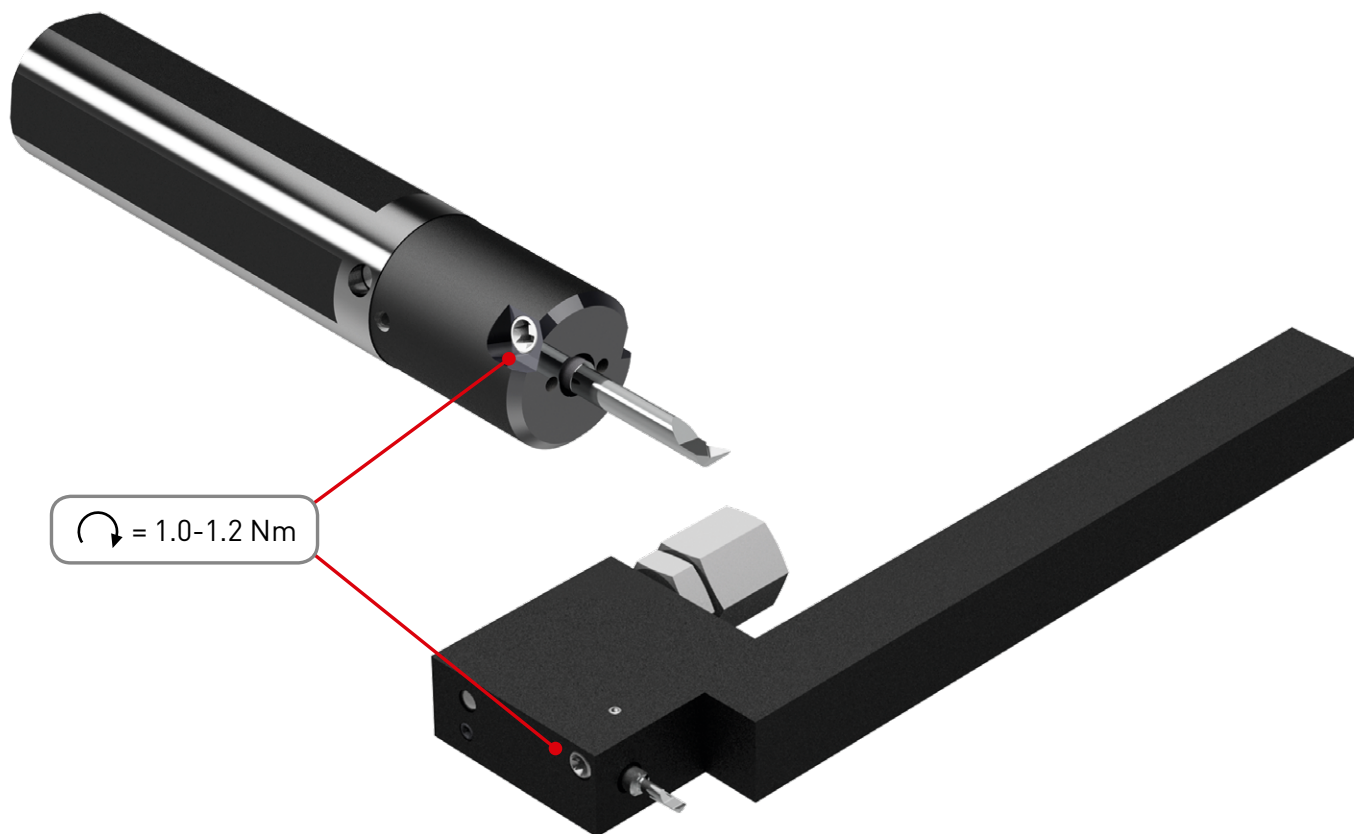
Arrosage par la barre d'alésage
 Kühlung durch die Bohrstange
 Cooling through the boring bar



Accessoires de serrage

Spannzubehöre

Clamping accessories



Nous recommandons le serrage des porte-outils types 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

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

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

- Universalsorte für die Bearbeitung von Stahl, rostfreiem Stahl, Stahllegierung, Titanlegierung
- gute Warmfestigkeit

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

ZTAXF

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

- nuance très résistante à l'usure et à la température, recommandée pour l'usinage des matières suivantes: Inox 304, 316L, 317L, 904, Finox
- aciers alliés contenant: Chrome Nickel, Vanadium, Molybdène, ...

- sehr verschleißfeste und temperaturbeständige Sorte. Für folgende Materialien empfohlen: Inox 304, 316L, 317L, 904, Finox
- legierter Stahl enthaltend: Chrom-Nickel, Vanadium, Molybdän, ...

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

ZN

non revêtu
unbeschichtet
uncoated

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

- zähe Basis Feinkornsorte
- beste 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	60-100	0.02-0.03	0.02-0.08	0.03-0.10
Acier faiblement allié Leicht legierter Stahl Low alloyed steel	50-80	0.01-0.03	0.02-0.05	0.03-0.06
Acier fortement allié Legierter Stahl High alloyed steel	40-60	0.01-0.02	0.02-0.04	0.02-0.06
Acier inoxydable Rostfreistahl Stainless steel	40-90	0.01-0.03	0.02-0.05	0.03-0.08
Aluminium	60-150	0.01-0.03	0.02-0.06	0.03-0.10
Cuivre, laiton, bronze Kupfer, Messing, Bronze Copper, brass, bronze	60-150	0.01-0.03	0.02-0.05	0.03-0.08
Titane Titan Titanium	30-70	0.01-0.03	0.02-0.05	0.03-0.10

Porte-outils avec écrou de serrage

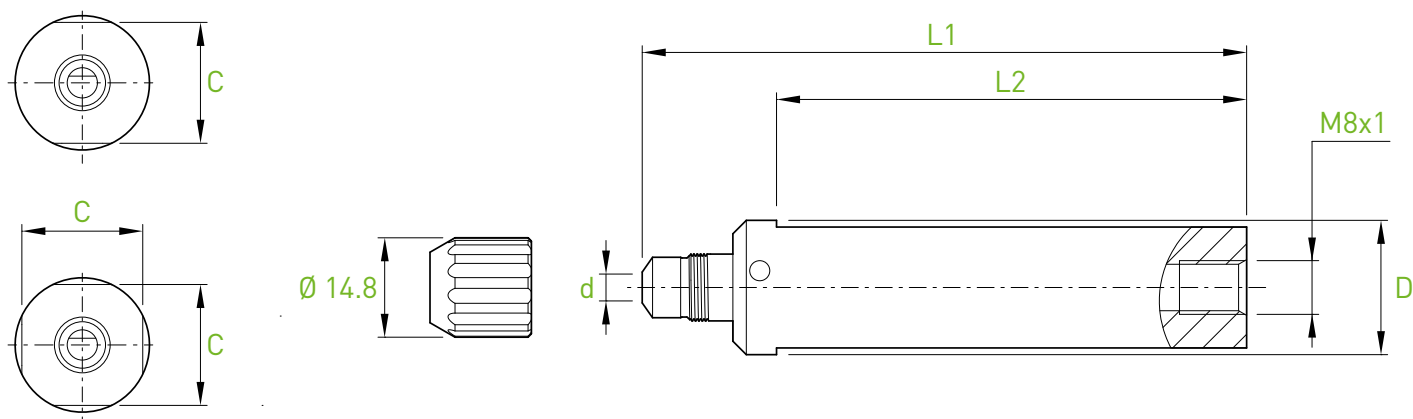
Halter mit Spannmutter

Tool holder with clamping nut

BH4...



> page 5

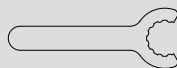


d	Bars	D	L1	L2	C	2 flats	4 flats	Art. N°
4	BB4... BF4...	10	75	55	8.8	■		BH4-D10-75
		12	75	55	11.2	■		BH4-D12-75
		12.7	75	55	11.2	■		BH4-D12.7-75
		15.87	75	55	14	■		BH4-D15.87-75
		16	75	55	14	■		BH4-D16-75
		16	75	55	14		■	BH4-D16-75-F4
		19.05	90	70	17	■		BH4-D19.05-90
		20	90	70	18	■		BH4-D20-90
		20	90	70	18		■	BH4-D20-90-F4
		20	160	140	18		■	BH4-D20-160-F4
		22	90	70	20	■		BH4-D22-90
		22	90	70	20		■	BH4-D22-90-F4
		22	130	110	20		■	BH4-D22-130-F4
		25	100	80	23	■		BH4-D25-100
		25	100	80	23		■	BH4-D25-100-F4
		25	170	150	23		■	BH4-D25-170-F4
		25.4	100	80	23.4	■		BH4-D25.4-100
		28	100	80	26	■		BH4-D28-100

Pièces de rechange
Ersatzteile
Spare parts



Art. N°



Art. N°

Option



Art. N°

BH4...

BH4-M10

C-BH4-M10

BH4...

J-M8x1-D6

Porte-outils avec écrou de serrage

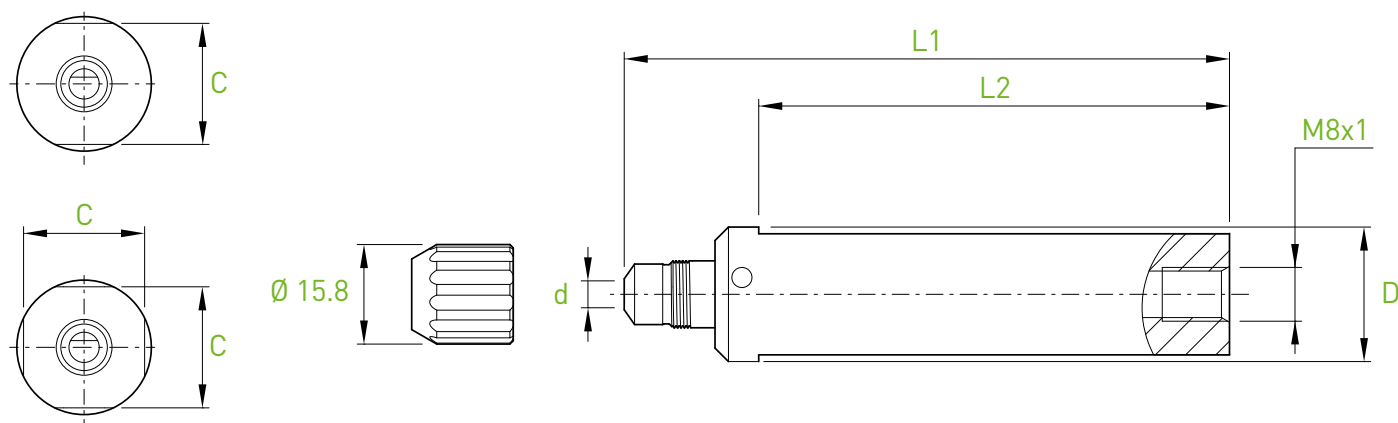
Halter mit Spannmutter

Tool holder with clamping nut

BH6...



> page 5

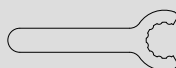


d	Bars	D	L1	L2	C	2 flats	4 flats	Art. N°
6	BB6... BF6...	12	75	55	11.2	■		BH6-D12-75
		12.7	75	55	11.2	■		BH6-D12.7-75
		15.87	75	55	14	■		BH6-D15.87-75
		16	75	55	14	■		BH6-D16-75
		19.05	90	70	17	■		BH6-D19.05-90
		20	90	70	18	■		BH6-D20-90
		20	90	70	18		■	BH6-D20-90-F4
		20	160	140	18		■	BH6-D20-160-F4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

Pièces de rechange
Ersatzteile
Spare parts



Art. N°



Art. N°

Option



Art. N°

BH6...

BH6-M12

C-BH6-M12

BH6...

J-M8x1-D6

Porte-outils avec arrosage multiple

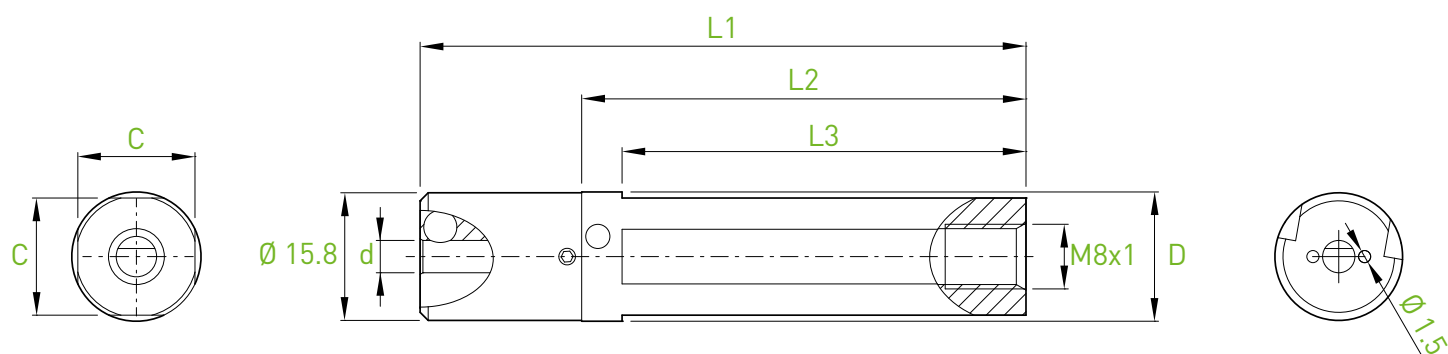
Halter mit mehrfaches Kühlungssystem

Tool holders with multiple coolant system

BHS4...

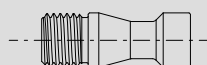


> page 5/7



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

Pièces de rechange
Ersatzteile
Spare parts

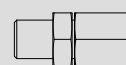


Art. N°

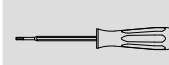


Art. N°

Option



Art. N°



Art. N°

BHS4...

V-BHS-M4x0.5-T8

C-T8

BHS4...

J-M8x1-D6

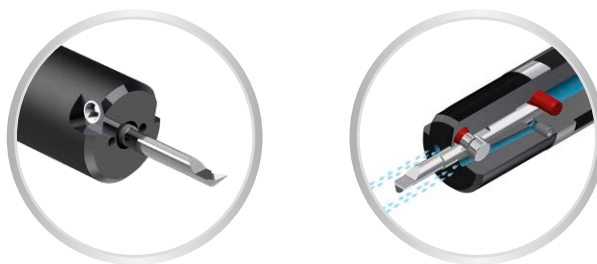
SET-NM1.2-TX8

Porte-outils avec arrosage multiple

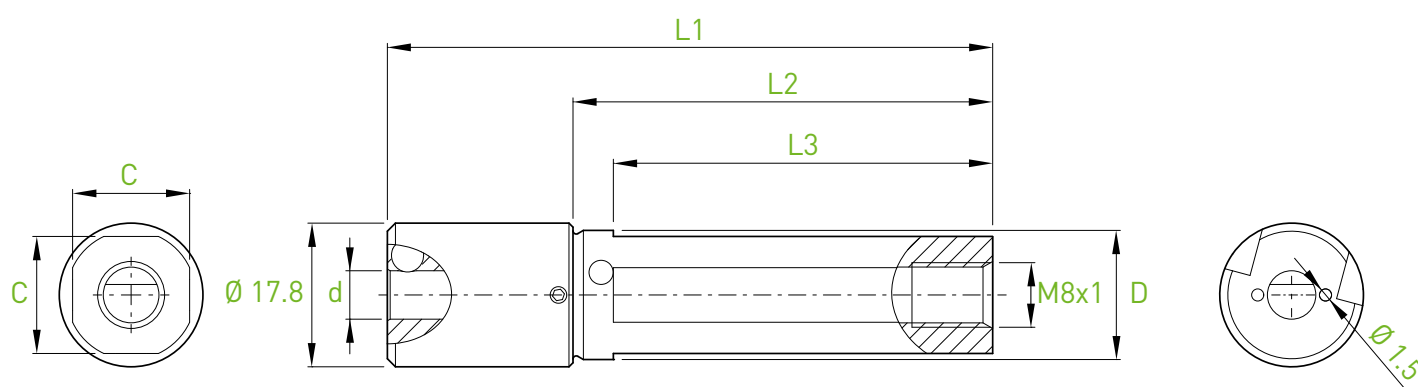
Halter mit mehrfaches Kühlungssystem

Tool holders with multiple coolant system

BHS6...

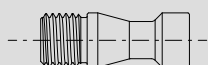


> page 5/7



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

Pièces de rechange
Ersatzteile
Spare parts



Art. N°

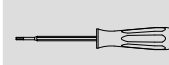


Art. N°

Option



Art. N°



Art. N°

BHS6...

V-BHS-M4x0.5-T8

C-T8

BHS6...

J-M8x1-D6

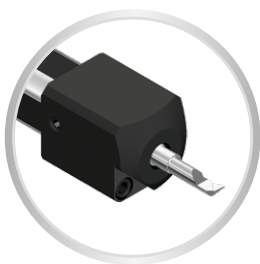
SET-NM1.2-TX8

Porte-outils à serrage hydraulique

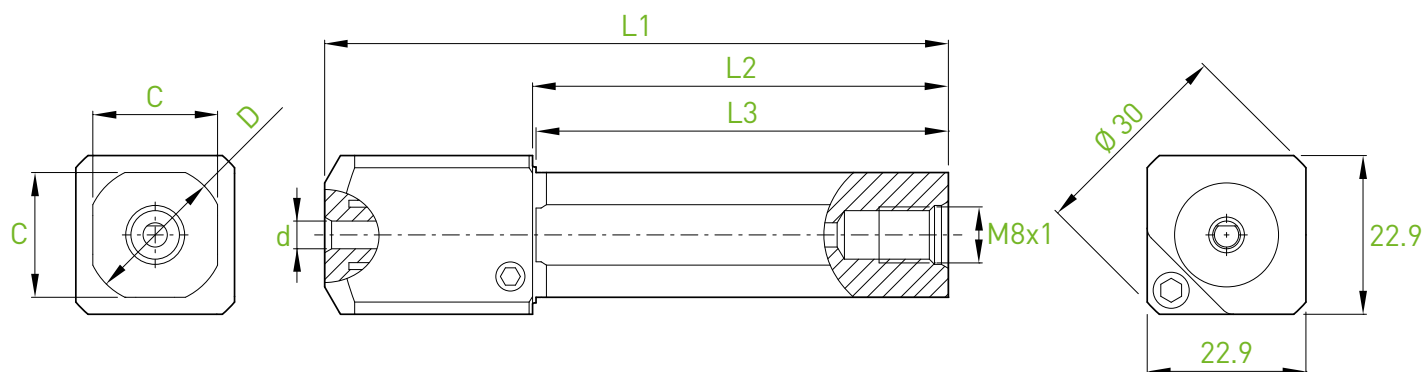
Halter mit Hydro-Dehnspann-System

Tool holders with hydraulic clamping system

BHY4...

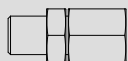


> page 6



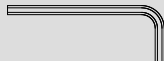
d	Bars	D	L1	L2	L3	C	Art. N°
4	BB4... BF4...	12	90	60	59.5	11.2	BHY4-D12-90-F4
		16	90	60	59.5	14.5	BHY4-D16-90-F4
		19.05	90	60	59.5	17	BHY4-D19.05-90-F4
		20	90	60	59.5	18	BHY4-D20-90-F4
		22	90	60	59.5	20	BHY4-D22-90-F4
		25	100	70	70	23	BHY4-D25-100-F4

Pièces de rechange
Ersatzteile
Spare parts



Art. N°

J-M8x1-D6



Art. N°

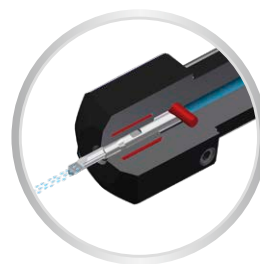
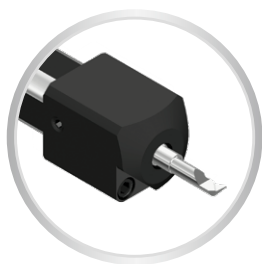
C-6P-3.0

Porte-outils à serrage hydraulique

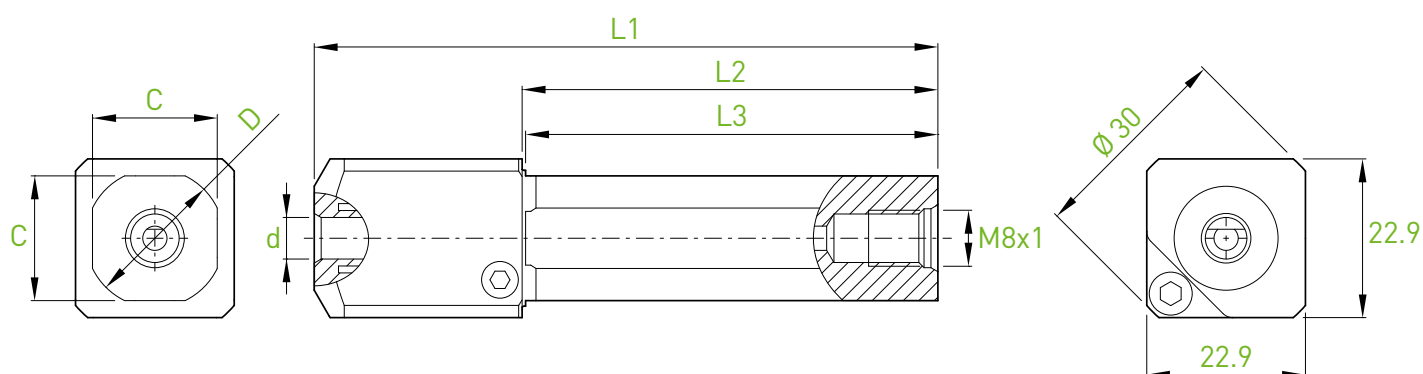
Halter mit Hydro-Dehnspann-System

Tool holders with hydraulic clamping system

BHY6...



> page 6



d	Bars	D	L1	L2	L3	C	Art. N°
6	BB6... BF6...	12	90	60	59.5	11.2	BHY6-D12-90-F4
		16	90	60	59.5	14.5	BHY6-D16-90-F4
		19.05	90	60	59.5	17	BHY6-D19.05-90-F4
		20	90	60	59.5	18	BHY6-D20-90-F4
		22	90	60	59.5	20	BHY6-D22-90-F4
		25	100	70	70	23	BHY6-D25-100-F4

Pièces de rechange
Ersatzteile
Spare parts



Art. N°

J-M8x1-D6

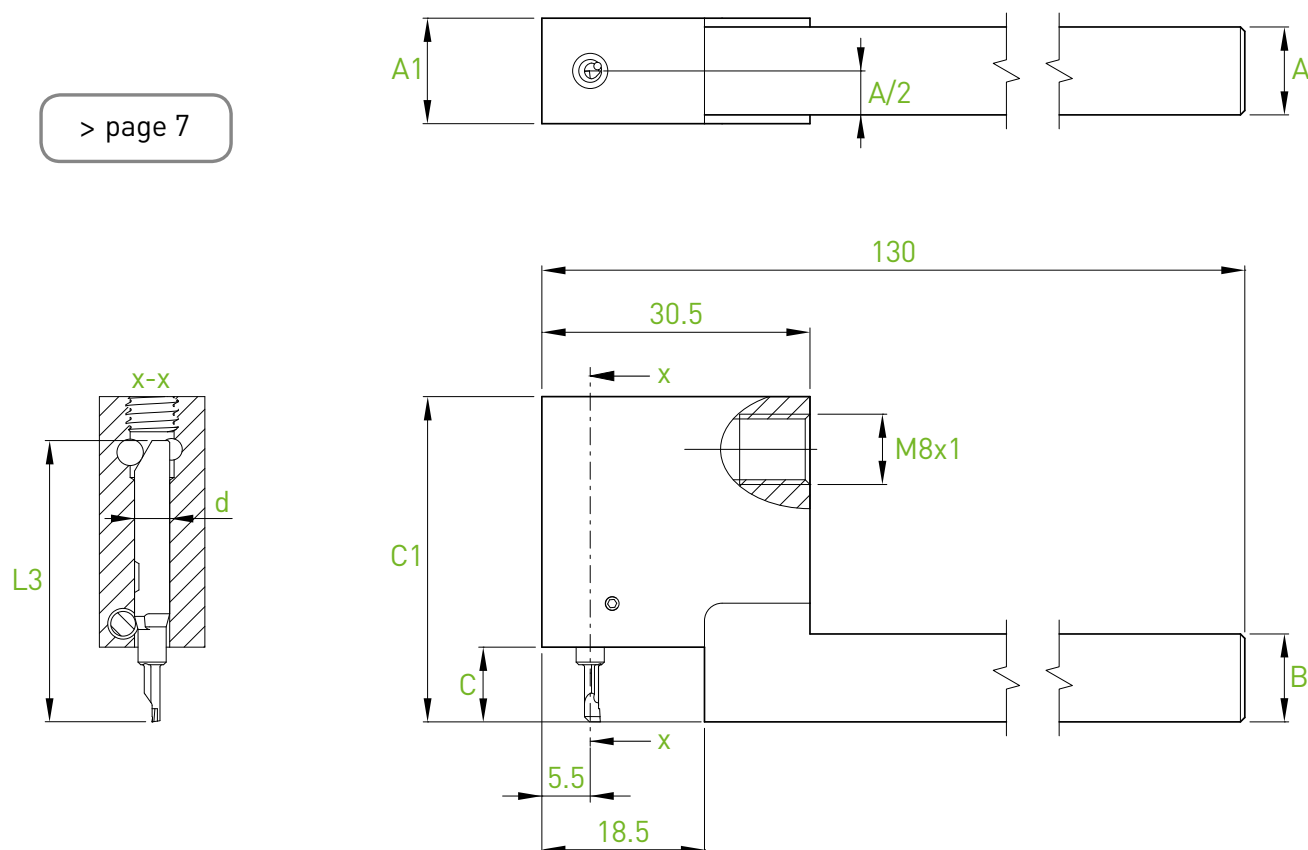


Art. N°

C-6P-3.0

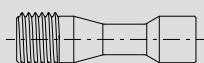
BHY6...

> page 7



d	Compatible bars L3		A	B	C	C1	A1	Art. N°
4	BB4R... BF4R...	32	8	8	8.5	37	12	BHK4N-0808X-32R
			10	10	8.5	37	12	BHK4N-1010X-32R
			12	12	8.5	37	12	BHK4N-1212X-32R
			16	16	8.5	37	16	BHK4N-1616X-32R
		37	8	8	13.5	42	12	BHK4N-0808X-37R
			10	10	13.5	42	12	BHK4N-1010X-37R
			12	12	13.5	42	12	BHK4N-1212X-37R
			16	16	13.5	42	16	BHK4N-1616X-37R
		42	10	10	18.5	47	12	BHK4N-1010X-42R
			12	12	18.5	47	12	BHK4N-1212X-42R
			16	16	18.5	47	16	BHK4N-1616X-42R

Pièces de rechange
Ersatzteile
Spare parts



Art. N°

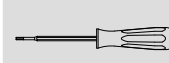


Art. N°

Option



Art. N°



Art. N°

BHK4N...

V-BHK-M4x0.5-T8

C-T8

BHK4N...

J-M8x1-D6

SET-NM1.2-TX8

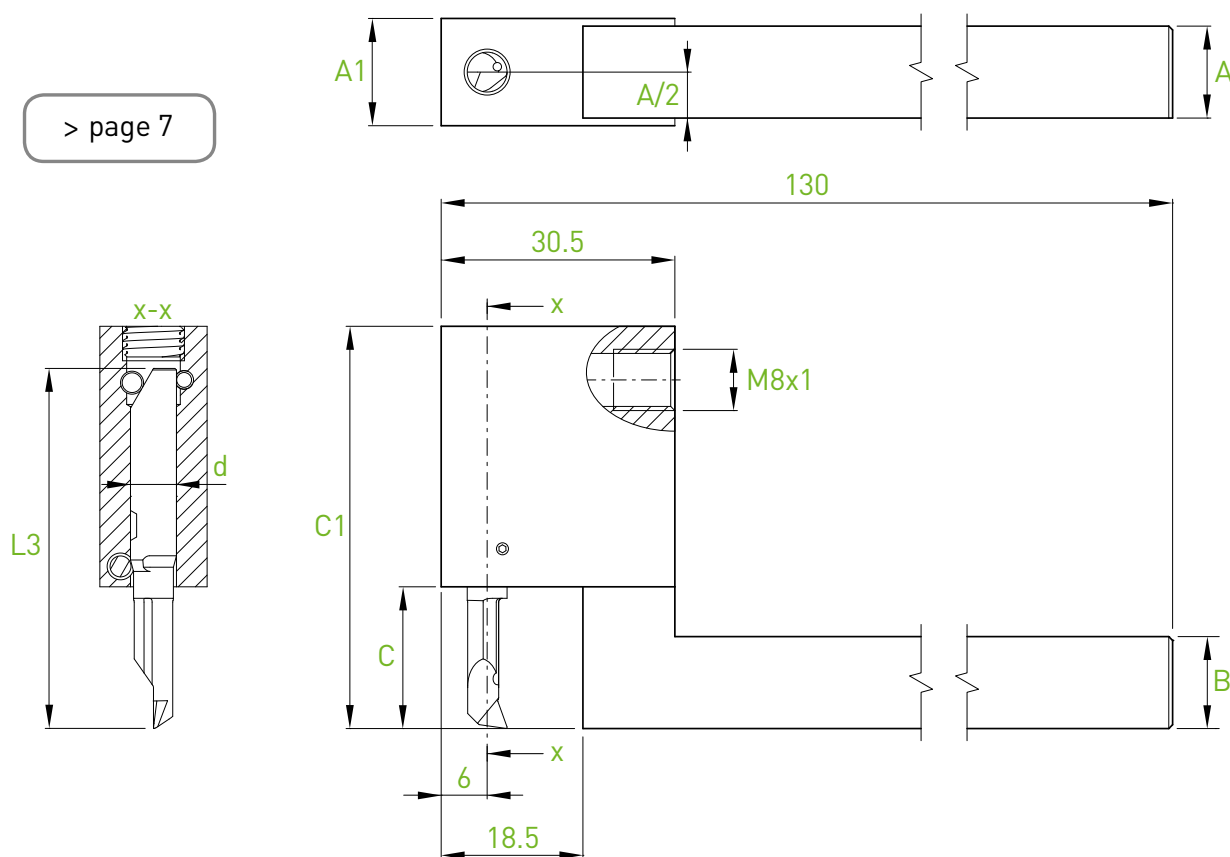
Porte-outils coudés

Kröpfhalter

Cranked tool holders

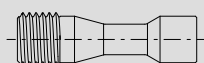
BHK6N...

> page 7



d	Compatible bars L3		A	B	C	C1	A1	Art. N°
6	BB6R... BF6R...	47	10	10	18.5	52.5	12	BHK6N-1010X-47R
			12	12	18.5	52.5	12	BHK6N-1212X-47R
			16	16	18.5	52.5	16	BHK6N-1616X-47R
		57	10	10	28.5	62.5	12	BHK6N-1010X-57R
			12	12	28.5	62.5	12	BHK6N-1212X-57R
			16	16	28.5	62.5	16	BHK6N-1616X-57R

Pièces de rechange
Ersatzteile
Spare parts



Art. N°

BHK6N...

V-BHK-M4x0.5-T8



Art. N°

C-T8

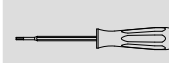
Option



Art. N°

BHK6N...

J-M8x1-D6



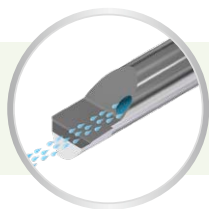
Art. N°

SET-NM1.2-TX8

Alésage

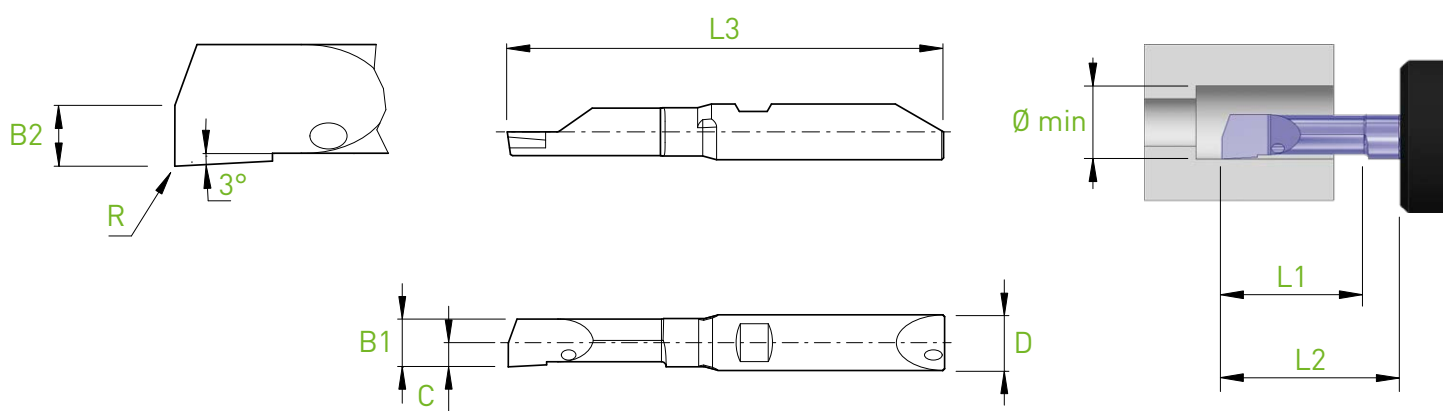
Ausbohren

Boring



BB4...

BA



D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	B1	B2	C	R	L3	Art. N°	R			L	
												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	■	■	■	□	□
		1.0	3.0	10	8.5	0.90	0.45	0.60	0.02	32	BB4R/L-1030-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

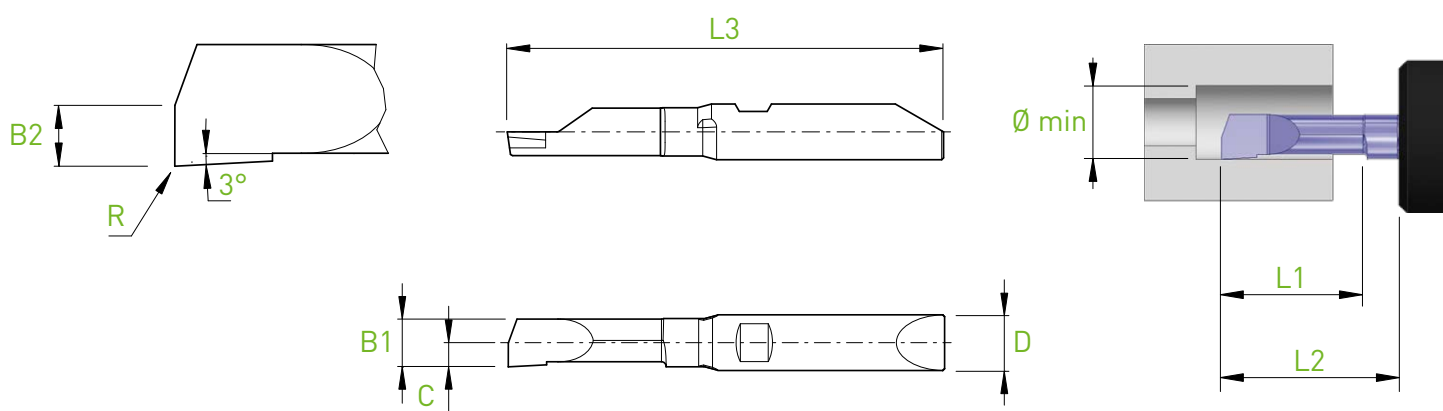
Ausbohren

Boring



BF4...

BA

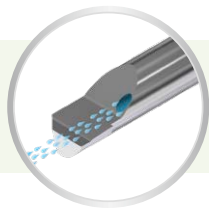


D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	B1	B2	C	R	L3	Art. N°	R			L	
												ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	0.3	0.9	10	8.5	0.27	0.13	0.15	0	32	BF4R/L-0309-BA	■	■	■	□	□
		0.4	1.2	10	8.5	0.36	0.18	0.20	0	32	BF4R/L-0412-BA	■	■	■	□	□
		0.5	1.5	10	8.5	0.45	0.22	0.25	0	32	BF4R/L-0515-BA	■	■	■	□	□
		1.0	3.0	10	8.5	0.90	0.45	0.60	0.02	32	BF4R/L-1030-BA-R02	■	■	■	□	□
		1.5	4.5	10	8.5	1.35	0.67	0.65	0.02	32	BF4R/L-1545-BA-R02	■	■	■	□	□
		2.0	6.0	10	8.5	1.80	0.90	1.15	0.02	32	BF4R/L-2060-BA-R02	■	■	■	□	□
		2.5	7.5	10	8.5	2.25	1.13	1.30	0.02	32	BF4R/L-2575-BA-R02	■	■	■	□	□
		3.0	9.0	15	13.5	2.70	1.35	1.35	0.05	37	BF4R/L-3090-BA-R05	■	■	■	□	□
		3.5	10.5	15	13.5	3.15	1.58	1.60	0.05	37	BF4R/L-35105-BA-R05	■	■	■	□	□

Alésage

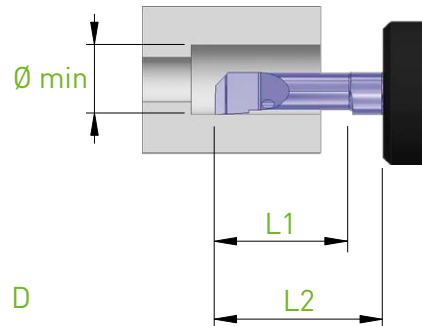
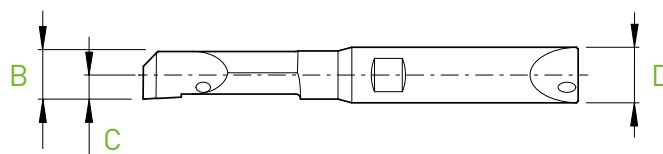
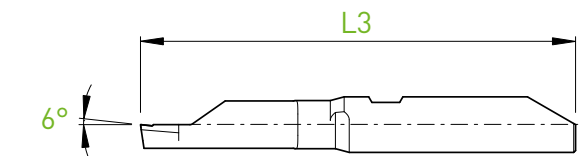
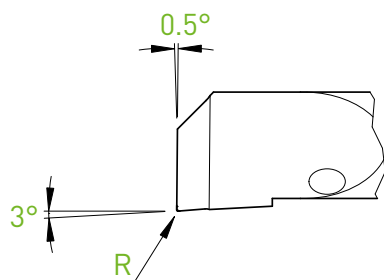
Ausbohren

Boring



BB4... / BB6...

BAX



D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	B	C	R	L3	Art. N°	R			L	
											ZTAF	ZTAXF	ZN	ZTAF	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	■	■	■	□	□
6	BH6... BHS6... BHY6... BHK6...	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	B	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

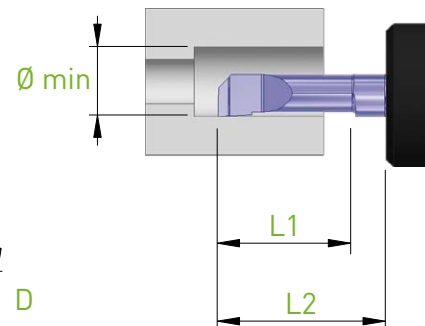
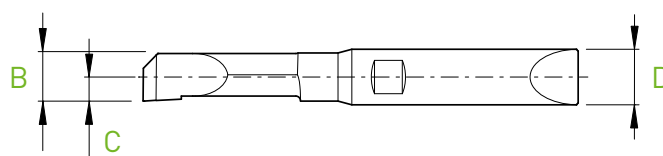
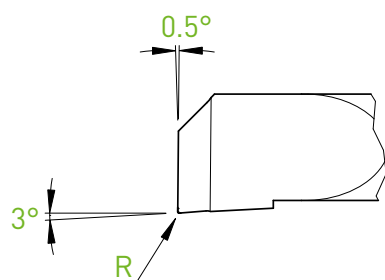
Ausbohren

Boring



BF4... / BF6...

BAX



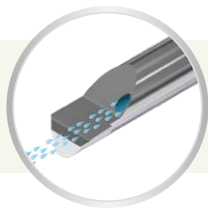
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	B	C	R	L3	Art. N°	R			L	
											ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	0.5	1.5	10	8.5	0.45	0.25	0	32	BF4R/L-0515-BAX	■	■	■	□	□
		0.6	1.8	10	8.5	0.54	0.30	0	32	BF4R/L-0618-BAX	■	■	■	□	□
		0.7	2.1	10	8.5	0.63	0.35	0	32	BF4R/L-0721-BAX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

Alésage-copiage

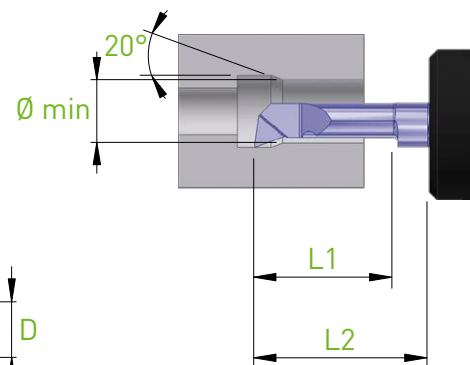
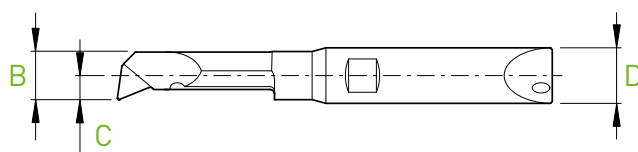
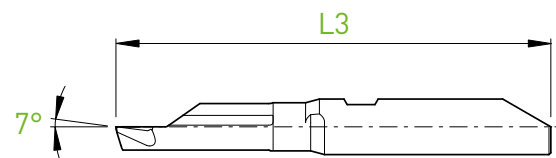
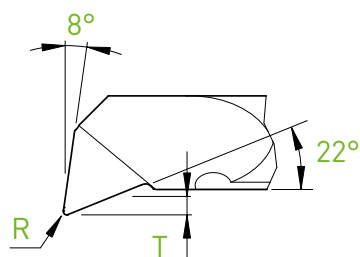
Ausbohren-kopieren

Boring chamfering



BB4... / BB6...

BCX



												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	B	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	B	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

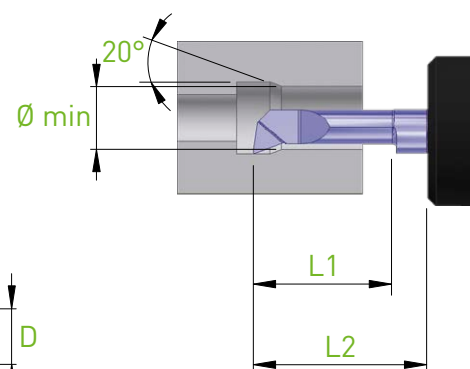
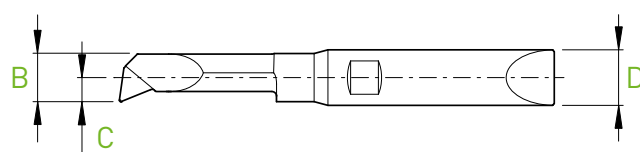
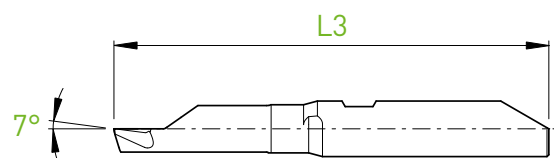
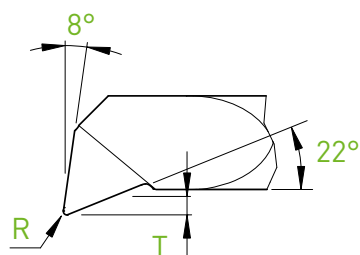
Ausbohren-kopieren

Boring chamfering

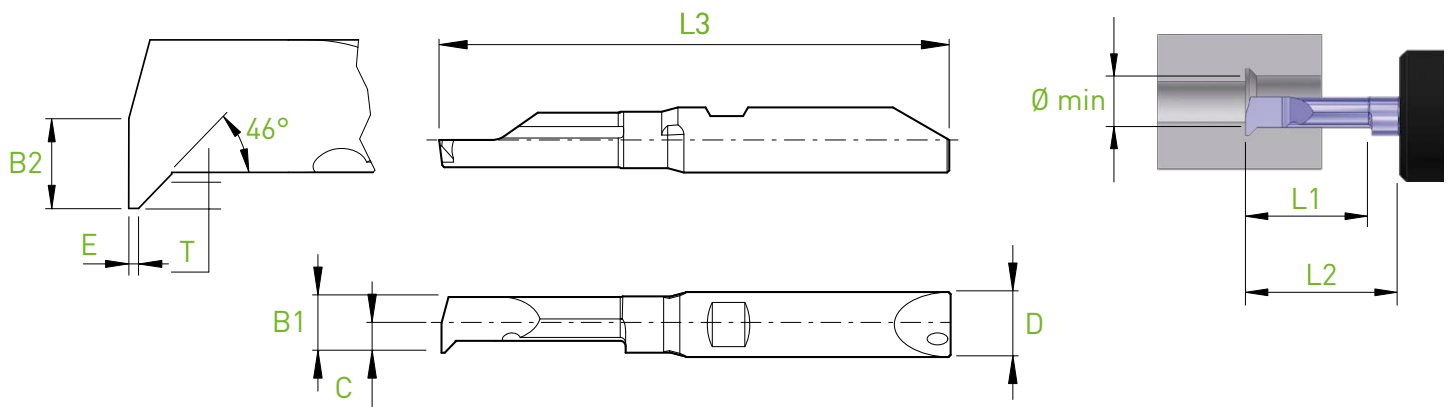
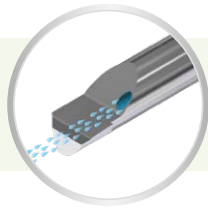


BF4... / BF6...

BCX



												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	B	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	B	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	■	■	■	□	□



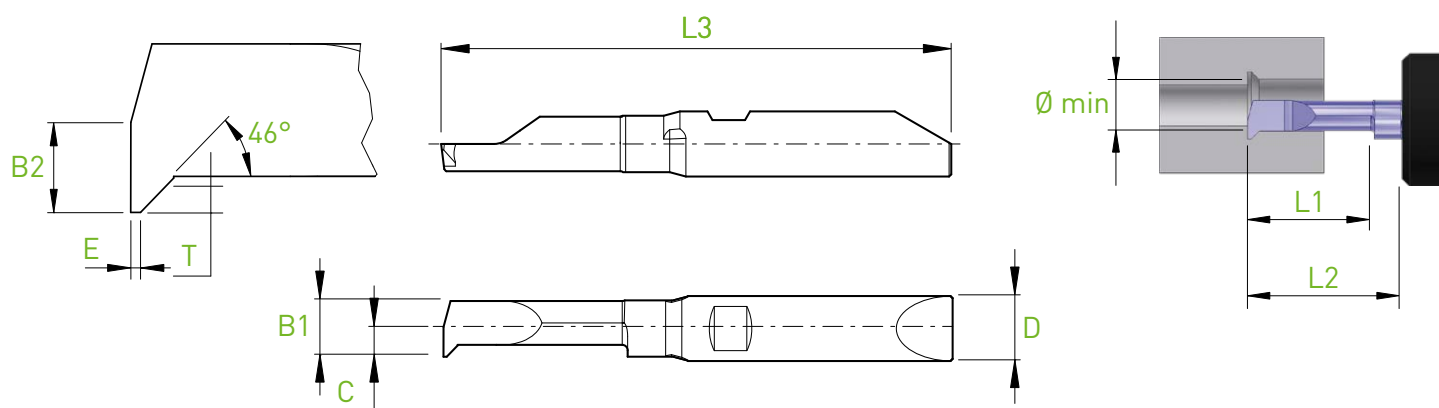
													R	L				
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	B1	B2	C	E	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN	
4	BH4... BHS4... BHY4... BHK4...	0.3	0.6	10	8.5	0.05	0.27	0.13	0.15	0.03	32	BB4R/L-0306-C45-E03	■	■	■	□	□	
		0.4	0.8	10	8.5	0.07	0.36	0.18	0.20	0.03	32	BB4R/L-0408-C45-E03	■	■	■	□	□	
		0.5	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	NEW	■	■	■	□	□
		0.7	1.2	10	8.5	0.12	0.63	0.32	0.35	0.03	32	BB4R/L-0714-C45-E03	NEW	■	■	■	□	□
		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	NEW	■	■	■	□	□
		1.0	3.0	10	8.5	0.17	0.90	0.45	0.70	0.10	32	BB4R/L-1030-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	NEW	■	■	■	□	□
		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	NEW	■	■	■	□	□		
D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	T	B1	B2	C	E	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

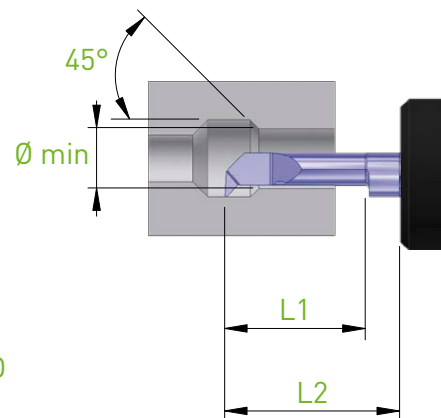
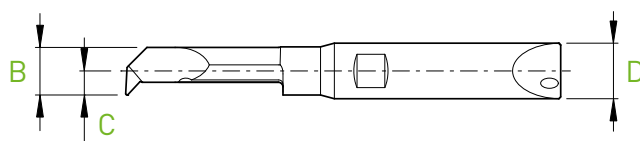
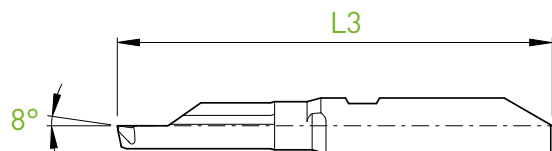
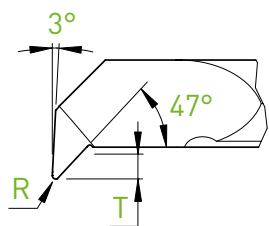
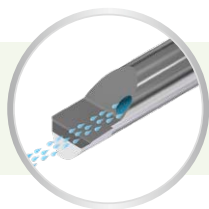


BF4... / BF6...

C45



													R			L		
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	B1	B2	C	E	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	NEW	■	■	■	□	□
		0.7	1.2	10	8.5	0.12	0.63	0.32	0.35	0.03	32	BF4R/L-0714-C45-E03	NEW	■	■	■	□	□
		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	NEW	■	■	■	□	□
		1.0	3.0	10	8.5	0.17	0.90	0.45	0.70	0.10	32	BF4R/L-1030-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	NEW	■	■	■	□	□
		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	B1	B2	C	E	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	■	■	■	□	□	



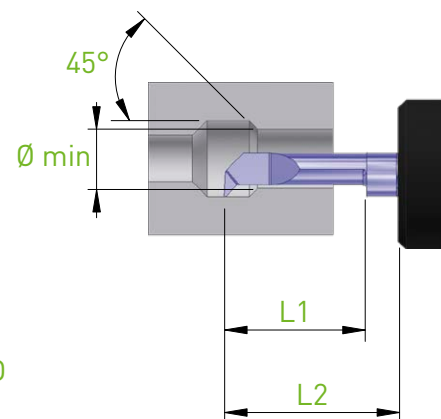
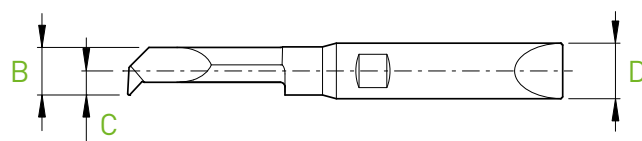
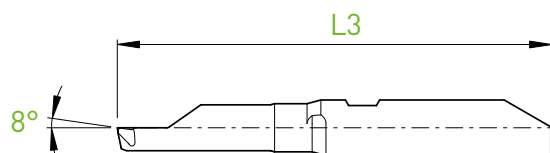
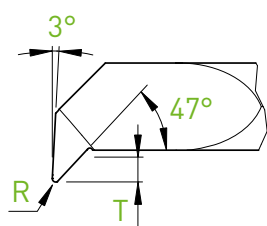
												R			L			
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	B	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN		
4	BH4... BHS4... BHY4... BHK4...	2.5	7.5	10	8.5	0.50	2.25	1.35	0.10	32	BB4R/L-2575-C45X-R10	■	■	■	□	□		
			12.5	15	13.5	0.50	2.25	1.35	0.10	37	BB4R/L-25125-C45X-R10	■	■	■	□	□		
		3.0	9.0	15	13.5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



BF4... / BF6...

C45X

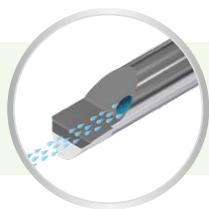


												R			L			
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	T	B	C	R	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN		
4	BH4... BHS4... BHY4... BHK4...	2.5	7.5	10	8.5	0.50	2.25	1.35	0.10	32	BF4R/L-2575-C45X-R10	■	■	■	□	□		
			12.5	15	13.5	0.50	2.25	1.35	0.10	37	BF4R/L-25125-C45X-R10	■	■	■	□	□		
		3.0	9.0	15	13.5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

Gorge

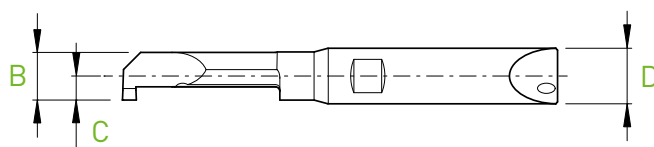
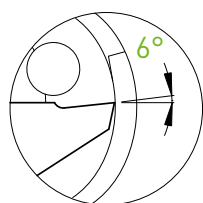
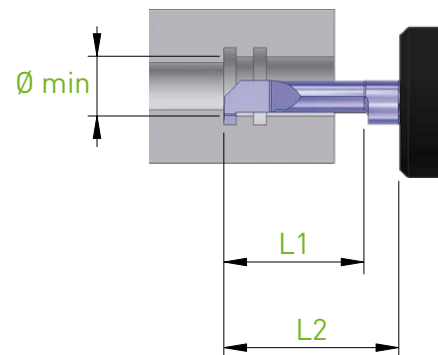
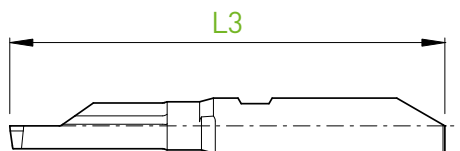
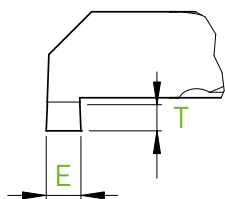
Einstecken

Grooving



BB4... / BB6...

GX



												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	T	B	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...	E	T	B	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 1.50	0.90	4.28	2.40	47	BB6R/L-45135-G100X	■	■	■	□	□	
											BB6R/L-45135-G150X	■	■	■	□	□	
			22.5	30	28.5	1.00 1.50	0.90	4.28	2.40	57	BB6R/L-45225-G100X	■	■	■	□	□	
											BB6R/L-45225-G150X	■	■	■	□	□	
		5.0	15.0	20	18.5	1.00 1.50	1.00	4.75	2.50	47	BB6R/L-50150-G100X	■	■	■	□	□	
											BB6R/L-50150-G150X	■	■	■	□	□	
			25.0	30	28.5	1.00 1.50	1.00	4.75	2.50	57	BB6R/L-50250-G100X	■	■	■	□	□	
											BB6R/L-50250-G150X	■	■	■	□	□	
		5.5				1.00						BB6R/L-55165-G100X	■	■	■	□	□
			16.5	20	18.5	1.50 2.00	1.10	5.15	2.60	47	BB6R/L-55165-G150X	■	■	■	□	□	
												BB6R/L-55165-G200X	■	■	■	□	□
						1.00						BB6R/L-55275-G100X	■	■	■	□	□
			27.5	30	28.5	1.50 2.00	1.10	5.15	2.60	57	BB6R/L-55275-G150X	■	■	■	□	□	
												BB6R/L-55275-G200X	■	■	■	□	□

Gorge

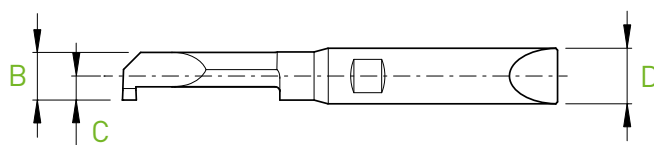
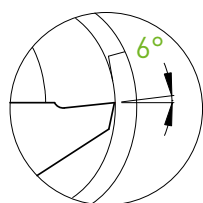
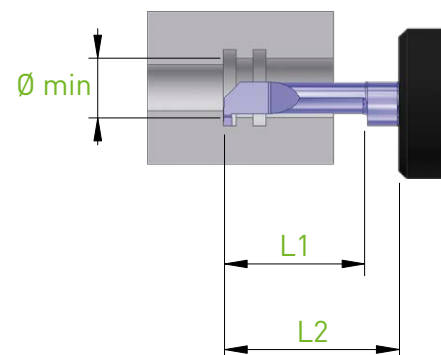
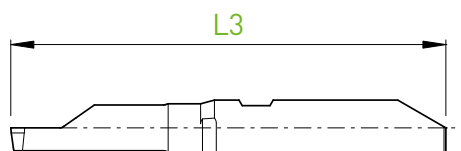
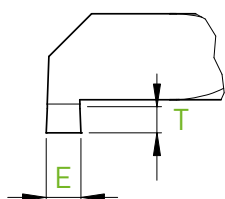
Einstecken

Grooving



BF4... / BF6...

GX

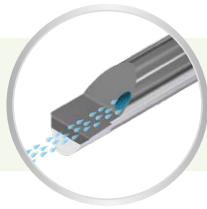


												R			L		
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	T	B	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN	
4	BH4... BHS4... BHY4... BHK4...	3.0	9.0	15	13.5	0.50	0.60	2.70	1.45	37	BF4R/L-3090-G050X	■	■	■	□	□	
			15.0	20	18.5	0.50	0.60	2.70	1.45	42	BF4R/L-30150-G050X	■	■	■	□	□	
		3.5	10.5	15	13.5	0.75	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...	E	T	B	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	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 1.50	0.90	4.28	2.40	47	BF6R/L-45135-G100X	■	■	■	□	□	
											BF6R/L-45135-G150X	■	■	■	□	□	
			22.5	30	28.5	1.00 1.50	0.90	4.28	2.40	57	BF6R/L-45225-G100X	■	■	■	□	□	
											BF6R/L-45225-G150X	■	■	■	□	□	
		5.0	15.0	20	18.5	1.00 1.50	1.00	4.75	2.50	47	BF6R/L-50150-G100X	■	■	■	□	□	
											BF6R/L-50150-G150X	■	■	■	□	□	
			25.0	30	28.5	1.00 1.50	1.00	4.75	2.50	57	BF6R/L-50250-G100X	■	■	■	□	□	
											BF6R/L-50250-G150X	■	■	■	□	□	
		5.5				1.00						BF6R/L-55165-G100X	■	■	■	□	□
			16.5	20	18.5	1.50	1.10	5.15	2.60	47	BF6R/L-55165-G150X	■	■	■	□	□	
						2.00						BF6R/L-55165-G200X	■	■	■	□	□
						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	■	■	■	□	□

Foncer-tourner

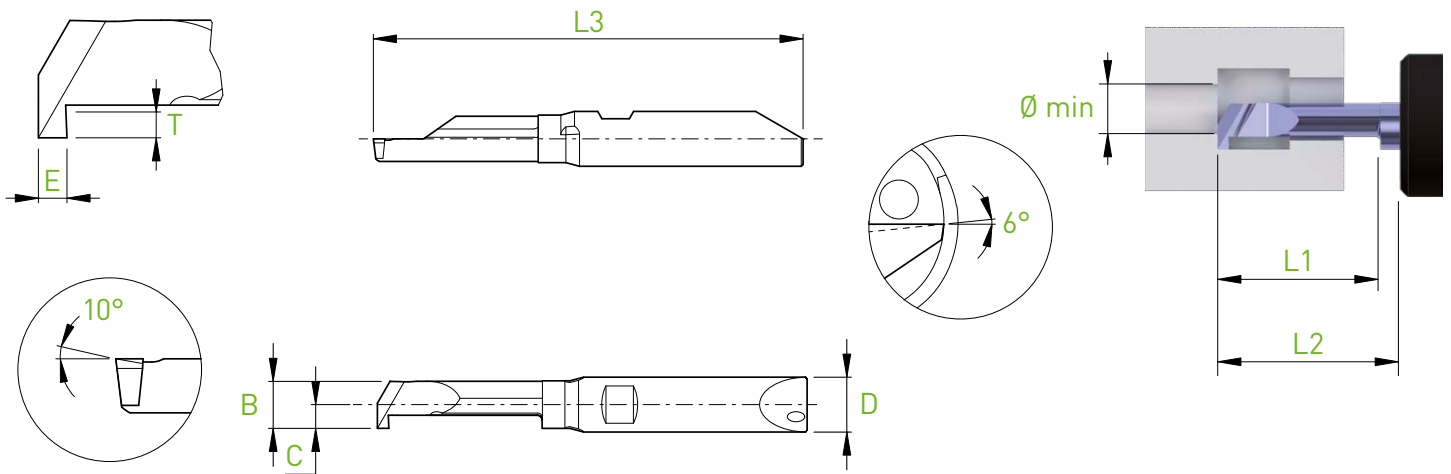
Einstecken und drehen

Grooving and turning



BB4... / BB6...

GTX



												R	L					
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	T	B	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...	E	T	B	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	■	■	■	□	□		

Foncer-tourner

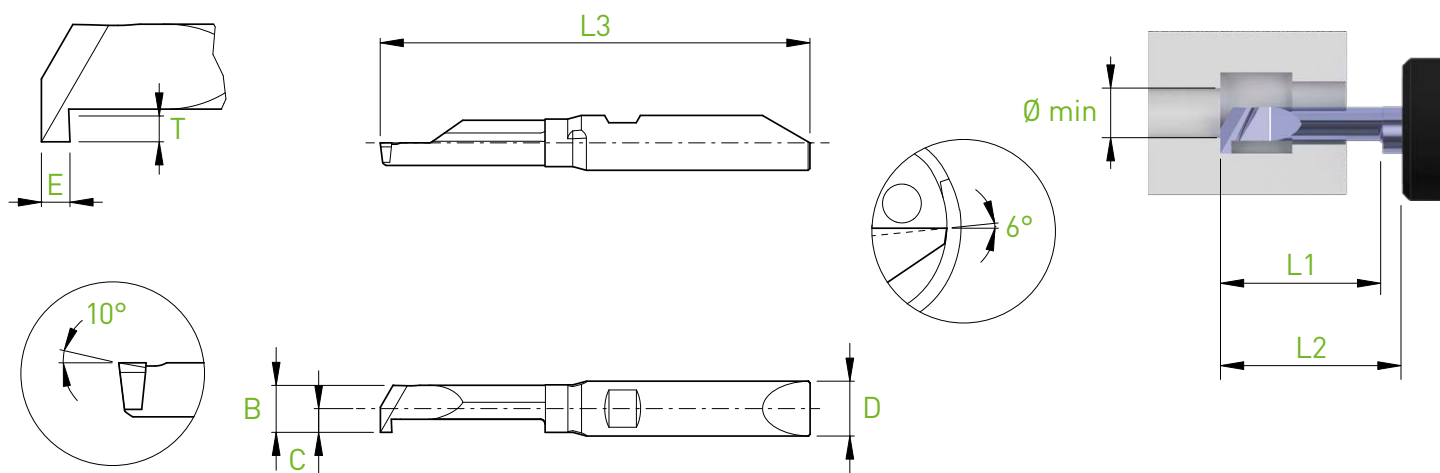
Einstecken und drehen

Grooving and turning



BF4... / BF6...

GTX

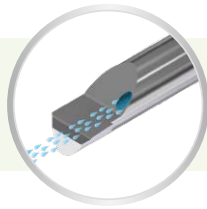


												R			L	
D h5	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	E	T	B	C	L3	Art. N°	ZTAF	ZTAXF	ZN	ZTAF	ZN
4	BH4... BHS4... BHY4... BHK4...	3.0	9.0	15	13.5	1.00	0.60	2.7	1.45	37	BF4R/L-3090-GT100X	■	■	■	□	□
			15.0	20	18.5	1.00	0.60	2.7	1.45	42	BF4R/L-30150-GT100X	■	■	■	□	□
		3.5	10.5	15	13.5	1.00	0.70	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...	E	T	B	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	■	■	■	□	□

Filetage

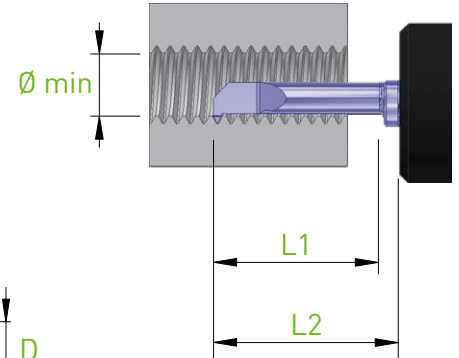
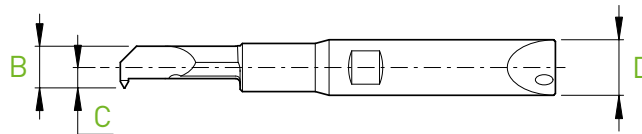
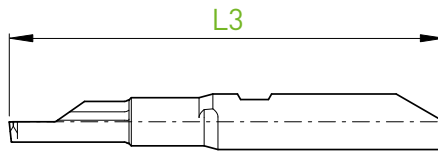
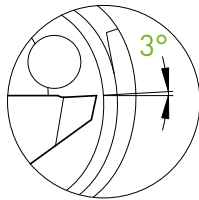
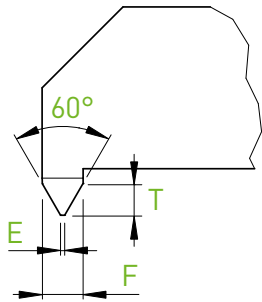
Gewindedrehen

Threading



BB4... / BB6...

TP60



															R	L
D _{h5}	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	P (mm)	P (TPI)	F	E [0/-0.01]	T	B	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)	F	E [0/-0.01]	T	B	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	■	□

Filetage

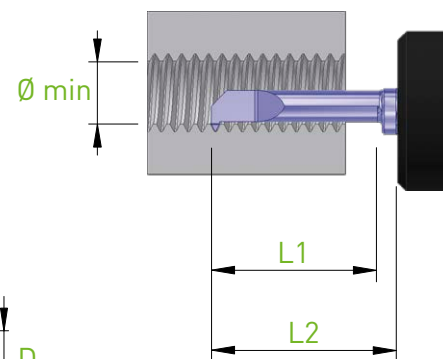
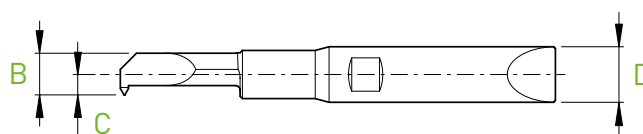
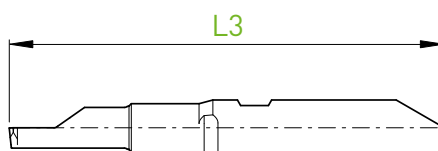
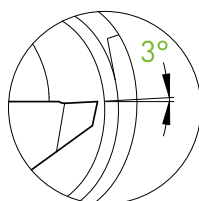
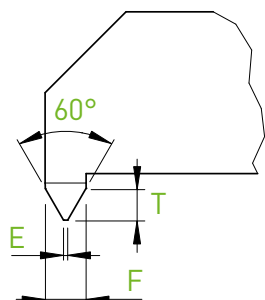
Gewindedrehen

Threading



BF4... / BF6...

TP60



															R		L	
D _{h5}	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	P (mm)	P (TPI)	F	E [0/-0.01]	T	B	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	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)	F	E [0/-0.01]	T	B	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	■	■	□	□

Filetage

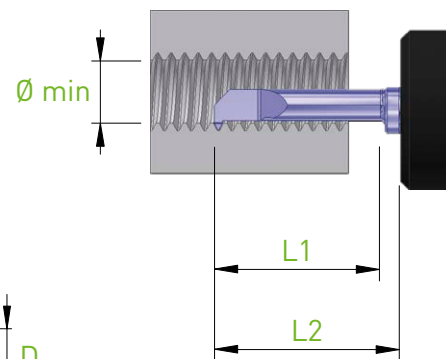
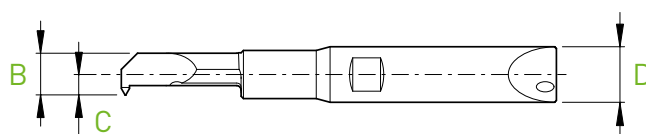
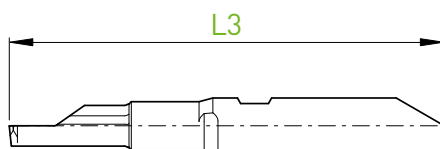
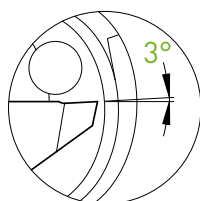
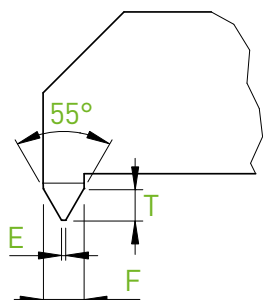
Gewindedrehen

Threading



BB4... / BB6...

TP55



														R		L	
D _{h5}	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	P (TPI)	F	E (0/-0.02)	T	B	C	L3	Art. N°	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... BHK4...	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)	F	E (0/-0.02)	T	B	C	L3	Art. N°	ZTAF	ZN	ZTAF	ZN
6	BH6...	3.70	11.0	20	18.5	32-24	1.08	0.13	0.91	3.33	1.83	47	BB6R/L-37110-TP55	■	■	□	□
	BHS6...	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

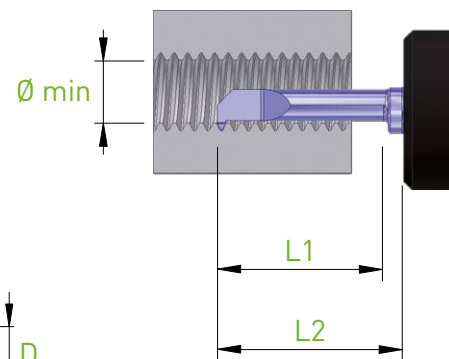
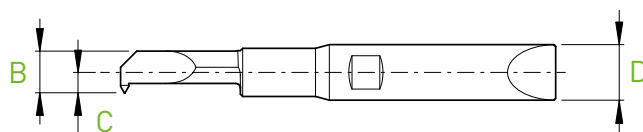
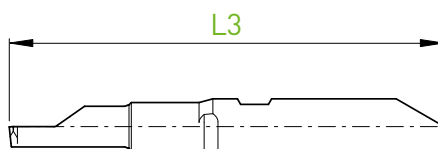
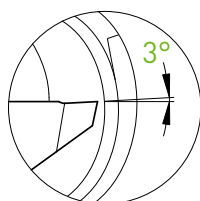
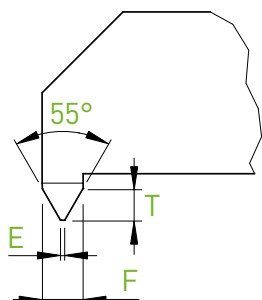
Gewindedrehen

Threading



BF4... / BF6...

TP55



														R		L	
D _{h5}	Holder	Ø min	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	P (TPI)	F	E (0/-0.02)	T	B	C	L3	Art. N°	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	■	■	□	□
														R		L	
D _{h5}	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	P (TPI)	F	E (0/-0.02)	T	B	C	L3	Art. N°	ZTAF	ZN	ZTAF	ZN
6	BH6...	3.70	11.0	20	18.5	32-24	1.08	0.13	0.91	3.33	1.83	47	BF6R/L-37110-TP55	■	■	□	□
	BHS6...	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	■	■	□	□

Filetage

Gewindedrehen

Threading



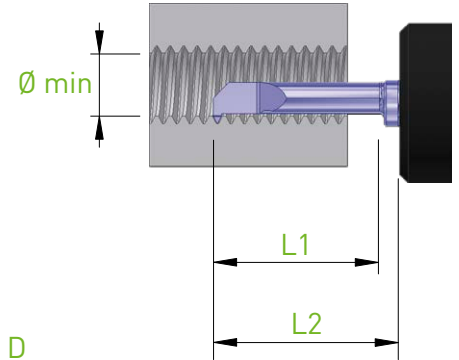
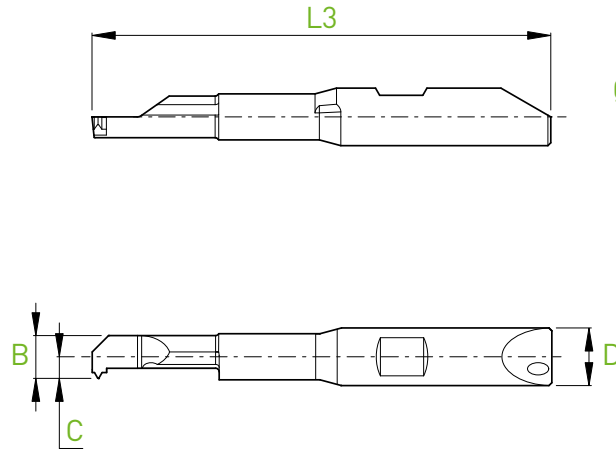
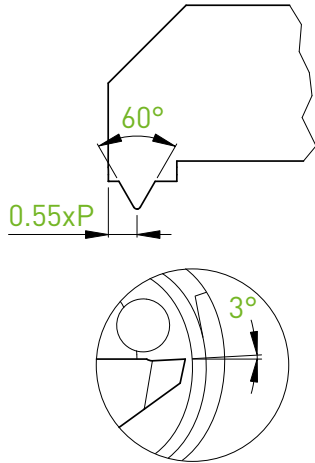
BB4... / BB6...

TM

Profil complet métrique

Vollprofil metrisch

Full profile metric



R

D h5	Holder	M (min)	Ø min	P (mm)	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	B	C	L3	Art. N°	ZTAF	ZN
4	BH4...	M3x0.5	2.50	0.50	6.0	10	8.5	2.25	1.35	32	BB4R-2560-TM-0.50	■	■
	BHS4... BHY4... BHK4...	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...	B	C	L3	Art. N°	ZTAF	ZN
6	BH6...	M5x0.8	4.20	0.80	10.0	20	18.5	3.78	2.10	47	BB6R-42100-TM-0.80	■	■
	BHS6... BHY6... BHK6...	M6x1.0	5.00	1.00	12.0	20	18.5	4.50	2.20	47	BB6R-50120-TM-1.00	■	■

Filetage

Gewindedrehen

Threading



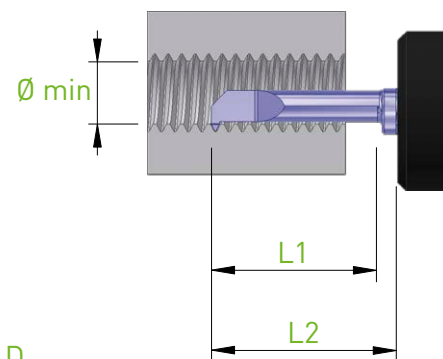
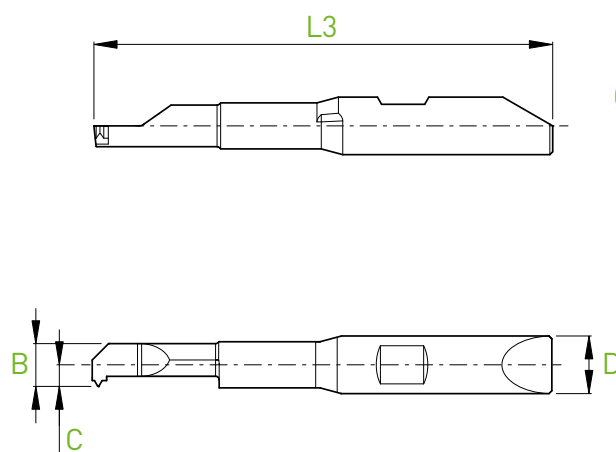
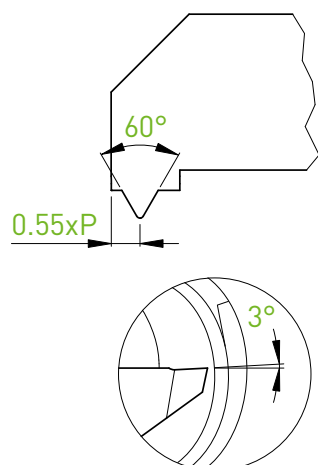
BF4... / BF6...

TM

Profil complet métrique

Vollprofil metrisch

Full profile metric



R

D h5	Holder	M (min)	Ø min	P (mm)	L1	L2 BH4... BHY4...	L2 BHS4... BHK4...	B	C	L3	Art. N°	ZTAF	ZN
4	BH4...	M3x0.5	2.50	0.50	6.0	10	8.5	2.25	1.35	32	BF4R-2560-TM-0.50	■	■
	BHS4...												
	BHY4... BHK4...	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...	B	C	L3	Art. N°	ZTAF	ZN
6	BH6...	M5x0.8	4.20	0.80	10.0	20	18.5	3.78	2.10	47	BF6R-42100-TM-0.80	■	■
	BHS6...												
	BHY6... BHK6...	M6x1.0	5.00	1.00	12.0	20	18.5	4.50	2.20	47	BF6R-50120-TM-1.00	■	■

IN-Line

Gorge frontale extérieure

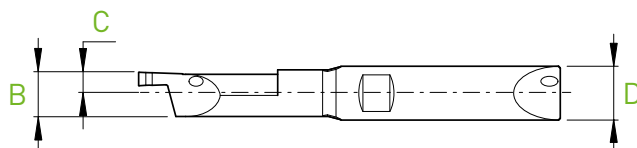
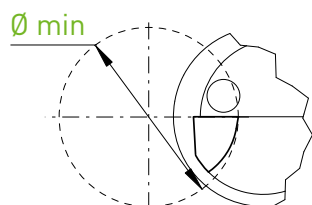
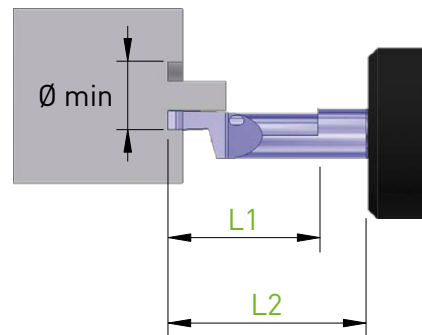
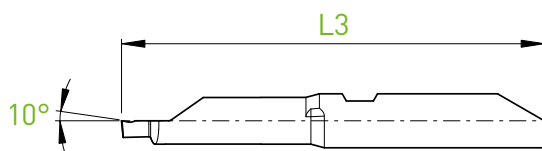
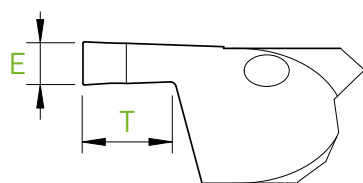
Aussen axiales stechen

External axial grooving



BB6...

FEG



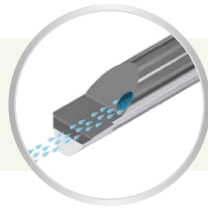
R

D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	T	B	C	E	L3	Art. N°	ZTAF	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

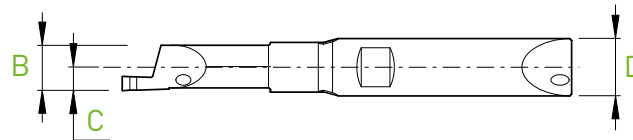
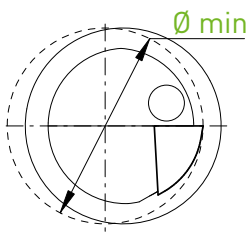
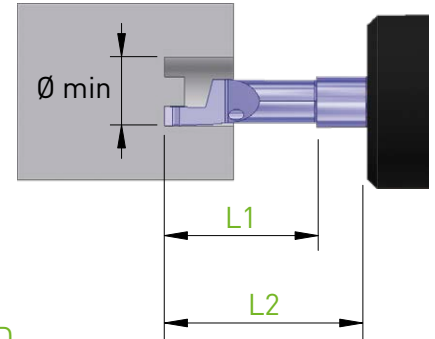
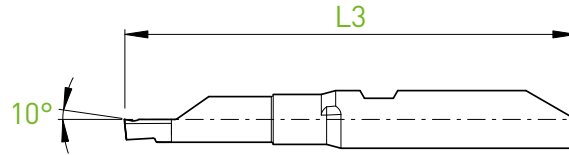
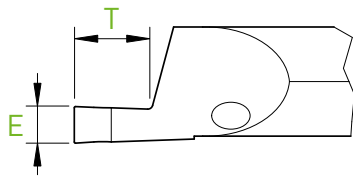
Innen axiales stechen

Internal axial grooving



BB6...

FIG



R

D h5	Holder	Ø min	L1	L2 BH6... BHY6...	L2 BHS6... BHK6...	T	B	C	E	L3	Art. N°	ZTAF	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	■	■

Ebauches avec arrosage

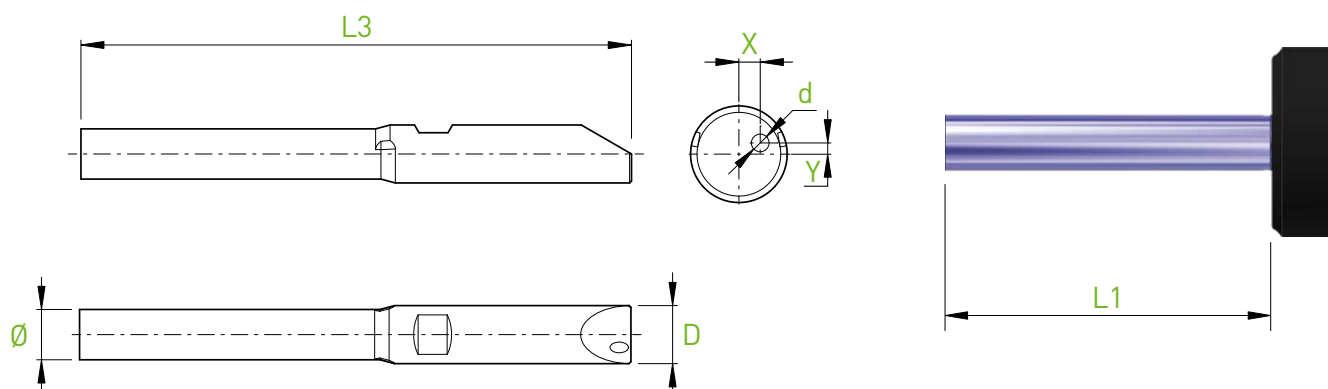
Rohlinge mit Kühlung

Blanks with coolant



BB4... / BB6...

BB_E



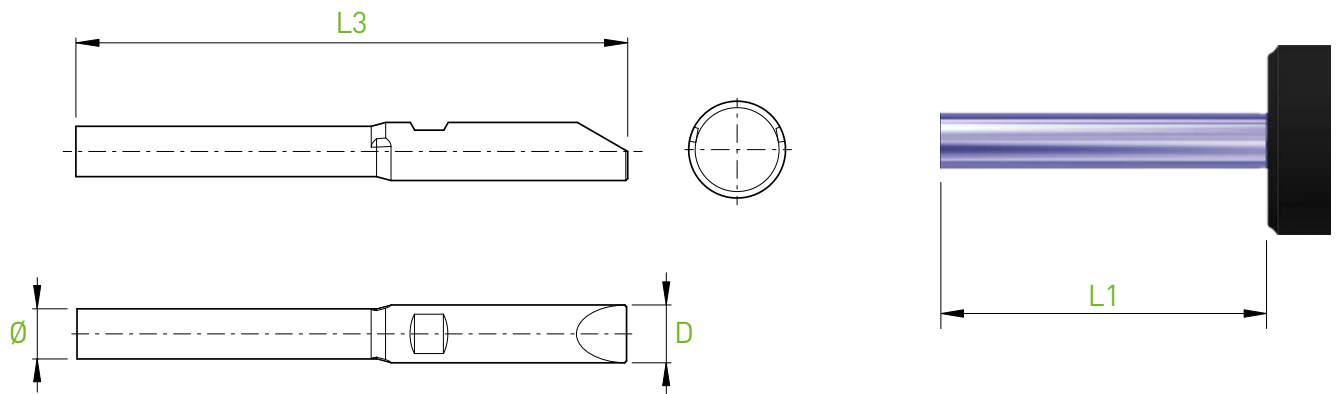
D _{h5}	Holder	L1 BH4... BHY4...	L1 BHS4... BHK4...	Ø	X	Y	d	L3	Art. N°	NZ
4	BH4... BHS4... BHY4... BHK4...	20.0	18.5	3.20	0.84	0.55	0.85	42	BB4R-E42	■
D _{h5}	Holder	L1 BH6... BHY6...	L1 BHS6... BHK6...	Ø	X	Y	d	L3	Art. N°	NZ
6	BH6... BHS6... BHY6... BHK6...	30.0	28.5	5.20	1.33	0.70	1.10	57	BB6R-E57	■

Ebauches
Rohlinge
Blanks



BF4... / BF6...

BF_E



D h5	Holder	L1 BH4... BHY4...	L1 BHS4... BHK4...	Ø	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...	Ø	L3	Art. N°	NZ
6	BH6... BHS6... BHY6... BHK6...	30.0	28.5	5.20	57	BF6-E57	■

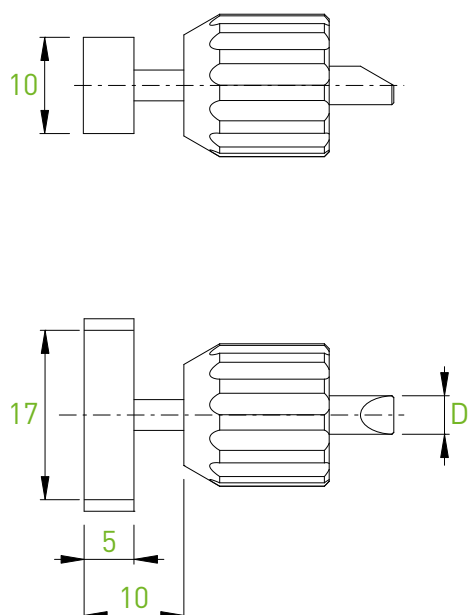
Jauges d'alignement

Richtplatten

Adjusting tools

MASTER

BH4 / BH6



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

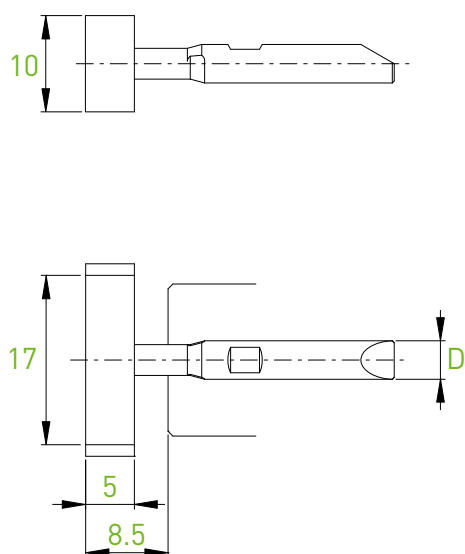
Jauges d'alignement

Richtplatten

Adjusting tools

MASTER

BHSY...



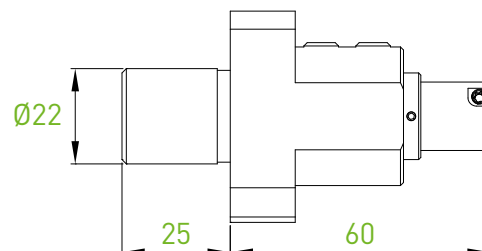
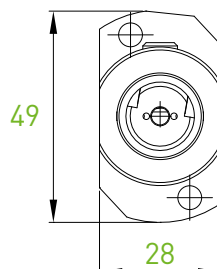
D h5	Art. N°	
4	BHSY4-MASTER	■
6	BHSY6-MASTER	■

Porte-outils avec arrosage pour contre-opération - Machines STAR

Halter mit Kühlungssystem zur Gegenbearbeitung – STAR-Maschinen

Backworking holders with through coolant – STAR-Machines

BH4 / BH6
BHS4 / BHS6



Art. N°

BWD1-2022-STAR-SRR



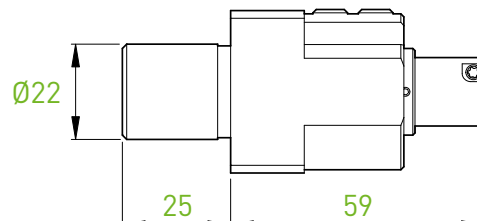
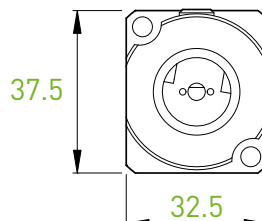
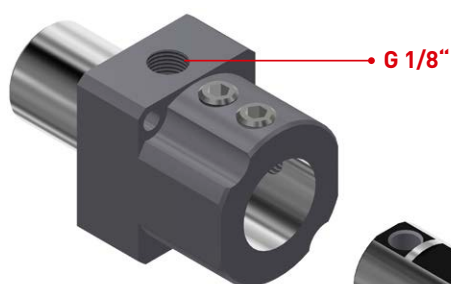
Art. N°

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

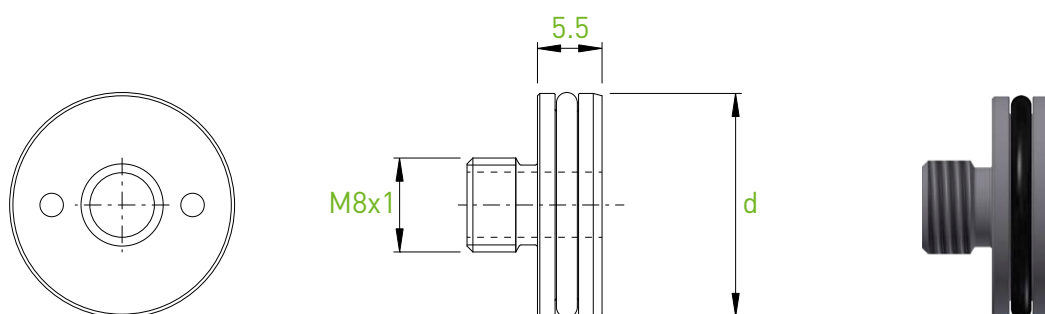
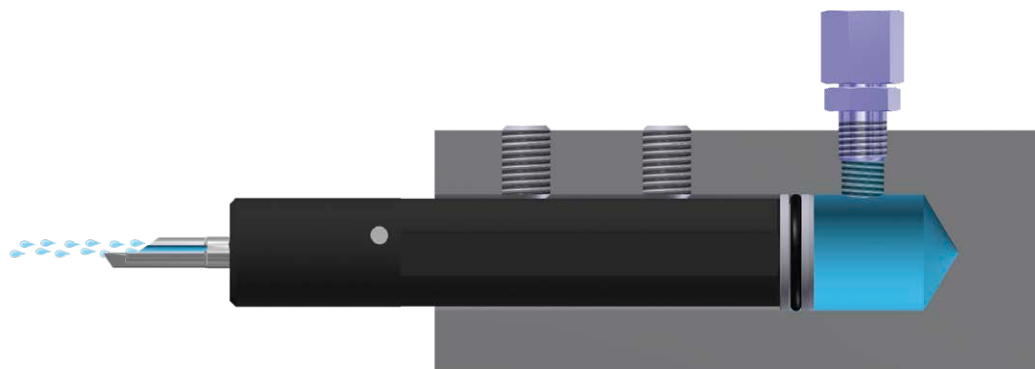
SW12RII (T21-T28)
SW20 (T21-T23 + T25-T27)
SV20R (T21-T28)
SR-20R IV (T21-T28)
SB12/20R (T22-T24)
SR38 (T21-T28)

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	■

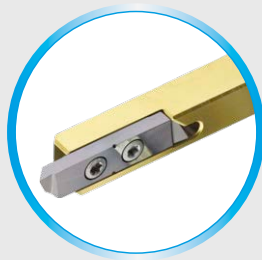
APPLITEC

SWISS TOOLING

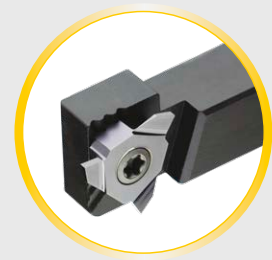
BROCHURES AUTRES GAMMES DE PRODUITS



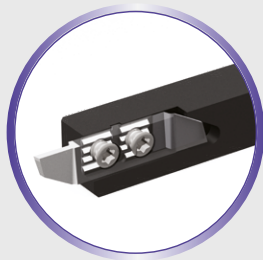
TOP-Line



TOP-Watch



TRIO-Line



PRO-Line



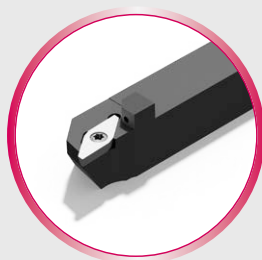
ECO-Line



ISO-Line



CUT-Line



TURN-Line



MODU-Line



TOOLING-Line



MICRO-Line



CIRCO-Line

PERFORMANCE | PRECISION | RIGIDITY



APPLITEC
SWISS TOOLING



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