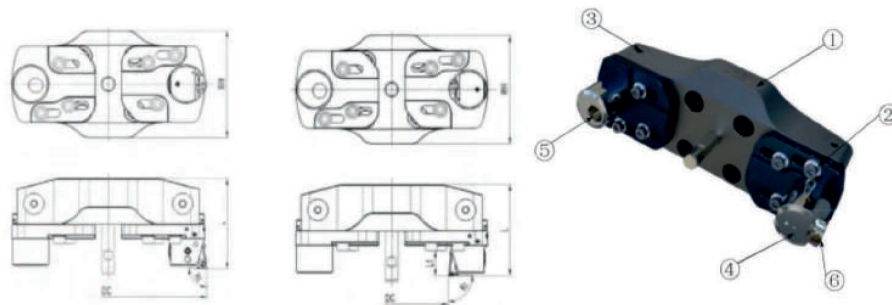




- Internal coolant supply
- TCMT TCMX TCGT TCGX TCEX TCMW
- The insert is for illustration only

Technical parameters

Unit: mm

Ordering code	Positive boring			Sleeve boring			Dimension						Insert Clamping Coupling		
	Boring Range(DC)			Boring Range(DC)											
	Min.	Max.	Adj.	Min.	Max.	Adj.	L	L1	WH	Kr	G				
BFB-270365-TC1102-S-A60C	270	365	95	145	240	95	126	39	140	92	7.8	TC.. 110204	S	A60C	
BFB-270365-TC1103-S-A60C	270	365	95	145	240	95	126	39	140	92	7.8	TC.. 110304	S	A60C	
BFB-350445-TC1102-S-A60C	350	445	95	225	320	95	131	39	140	92	9.6	TC.. 110204	S	A60C	
BFB-350445-TC1103-S-A60C	350	445	95	225	320	95	131	39	140	92	9.6	TC.. 110304	S	A60C	
BFB-430525-TC1102-S-A60C	430	525	95	305	400	95	136	39	140	92	11.4	TC.. 110204	S	A60C	
BFB-430525-TC1103-S-A60C	430	525	95	305	400	95	136	39	140	92	11.4	TC.. 110304	S	A60C	

see next page →

Accessory

Product ID	①	②	③	④	⑤	⑥
	Brigde Adaptor	Slide	Slide(CW)	Adaptor	Counter-Weight	Cartridge
BFB-270365-TC1102-S-A60C	BPDB-A60C-270060	BPFB-SL-270	BPFB-SL-270CW	BPFB-CY34-050025	BPFB-CW-5043A	BPFI-CA-1019TC1102-S
BFB-270365-TC1103-S-A60C	BPDB-A60C-270060	BPFB-SL-270	BPFB-SL-270CW	BPFB-CY34-050025	BPFB-CW-5043A	BPFI-CA-1019TC1103-S
BFB-350445-TC1102-S-A60C	BPDB-A60C-350065	BPFB-SL-270	BPFB-SL-270CW	BPFB-CY34-050025	BPFB-CW-5043A	BPFI-CA-1019TC1102-S
BFB-350445-TC1103-S-A60C	BPDB-A60C-350065	BPFB-SL-270	BPFB-SL-270CW	BPFB-CY34-050025	BPFB-CW-5043A	BPFI-CA-1019TC1103-S
BFB-430525-TC1102-S-A60C	BPDB-A60C-430070	BPFB-SL-270	BPFB-SL-270CW	BPFB-CY34-050025	BPFB-CW-5043A	BPFI-CA-1019TC1102-S
BFB-430525-TC1103-S-A60C	BPDB-A60C-430070	BPFB-SL-270	BPFB-SL-270CW	BPFB-CY34-050025	BPFB-CW-5043A	BPFI-CA-1019TC1103-S

Product ID					
	Key(Insert)	Key(Adj.)	Key(Screw)	Key(Screw)	Key(Screw)
BFB-270365-TC1102-S-A60C	242.070.35	246.030.60	247.040.100	241.050.80	241.080.00
BFB-270365-TC1103-S-A60C	242.070.35	246.030.60	247.040.100	241.050.80	241.080.00
BFB-350445-TC1102-S-A60C	242.070.35	246.030.60	247.040.100	241.050.80	241.080.00
BFB-350445-TC1103-S-A60C	242.070.35	246.030.60	247.040.100	241.050.80	241.080.00
BFB-430525-TC1102-S-A60C	242.070.35	246.030.60	247.040.100	241.050.80	241.080.00
BFB-430525-TC1103-S-A60C	242.070.35	246.030.60	247.040.100	241.050.80	241.080.00

• The spare parts can be ordered separately. Please inquire on demand

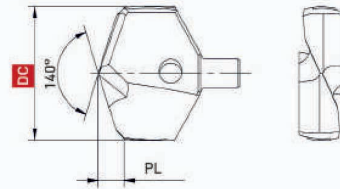
S10-CKA CARBIDE INSERT OF SPEED DRILL



02



- Diameter range: 10.0 ~ 39.99mm;
- Triple Positioning structure to improve drilling stability;
- Drilling accuracy: IT9 ~ IT10;
- Special for cast iron.



[Unit]: mm

INSERT MODEL	SIZE		INVENTORY	MATCHING HOLDER MODEL	INSERT MODEL	SIZE		INVENTORY	MATCHING HOLDER MODEL
	DC [k7]	PL				DC [k7]	PL		
S10-CKA-2000	20.00	4.4	▲	S10-G2000-03L25 S10-G2000-05L25 S10-G2000-08L25	S10-CKA-2250	22.50	4.9	▲	S10-G2200-03L25 S10-G2200-05L25 S10-G2200-08L25
S10-CKA-2010	20.10	4.4	△		S10-CKA-2260	22.60	4.9	△	
S10-CKA-2020	20.20	4.4	△		S10-CKA-2270	22.70	4.9	△	
S10-CKA-2030	20.30	4.4	△		S10-CKA-2280	22.80	5.0	△	
S10-CKA-2040	20.40	4.4	△		S10-CKA-2290	22.90	5.0	△	
S10-CKA-2050	20.50	4.5	▲	S10-G2000-03L25 S10-G2000-05L25 S10-G2000-08L25	S10-CKA-2300	23.00	5.0	▲	S10-G2300-03L25 S10-G2300-05L25 S10-G2300-08L25
S10-CKA-2060	20.60	4.5	△		S10-CKA-2310	23.10	5.0	△	
S10-CKA-2070	20.70	4.5	△		S10-CKA-2320	23.20	5.1	△	
S10-CKA-2080	20.80	4.5	△		S10-CKA-2330	23.30	5.1	△	
S10-CKA-2090	20.90	4.6	△		S10-CKA-2340	23.40	5.1	△	
S10-CKA-2100	21.00	4.6	▲	S10-G2100-03L25 S10-G2100-05L25 S10-G2100-08L25	S10-CKA-2350	23.50	5.1	▲	S10-G2300-03L25 S10-G2300-05L25 S10-G2300-08L25
S10-CKA-2110	21.10	4.6	△		S10-CKA-2360	23.60	5.1	△	
S10-CKA-2120	21.20	4.6	△		S10-CKA-2370	23.70	5.2	△	
S10-CKA-2130	21.30	4.6	△		S10-CKA-2380	23.80	5.2	△	
S10-CKA-2140	21.40	4.7	△		S10-CKA-2390	23.90	5.2	△	
S10-CKA-2150	21.50	4.7	▲	S10-G2100-03L25 S10-G2100-05L25 S10-G2100-08L25	S10-CKA-2400	24.00	5.2	▲	S10-G2400-03L32 S10-G2400-05L32 S10-G2400-08L32
S10-CKA-2160	21.60	4.7	△		S10-CKA-2410	24.10	5.3	△	
S10-CKA-2170	21.70	4.7	△		S10-CKA-2420	24.20	5.3	△	
S10-CKA-2180	21.80	4.8	△		S10-CKA-2430	24.30	5.3	△	
S10-CKA-2190	21.90	4.8	△		S10-CKA-2440	24.40	5.3	△	
S10-CKA-2200	22.00	4.8	▲	S10-G2200-03L25 S10-G2200-05L25 S10-G2200-08L25	S10-CKA-2450	24.50	5.3	▲	S10-G2400-03L32 S10-G2400-05L32 S10-G2400-08L32
S10-CKA-2210	22.10	4.8	△		S10-CKA-2460	24.60	5.4	△	
S10-CKA-2220	22.20	4.8	△		S10-CKA-2470	24.70	5.4	△	
S10-CKA-2230	22.30	4.9	△		S10-CKA-2480	24.80	5.4	△	
S10-CKA-2240	22.40	4.9	△		S10-CKA-2490	24.90	5.4	△	

▲ YES △ NO

APPLICABLE TABLE OF PROCESSED MATERIALS

ISO	P	P	P	P	M	K	K	N	N	N	S	S	H	H
WORKPIECE MATERIAL	MILD STEEL	STRUCTURAL STEEL	ALLOY STEEL	TOOL STEEL	STAINLESS STEEL	CASTIRON	MALLEABLE CAST IRON	ALUMINUM ALLOY	CAST ALUMINUM ALLOYS	COPPER ALLOYS	SUPER ALLOYS	TITANIUM ALLOYS	HARDENED STEEL	HARDENED STEEL
	<500N	<750N	<1400N	<1100N	<900N	<750N	<1100N	Si<12%	Si<12%	<750N	<1100N	<1100N	<1400N	<1600N
CKA						●	●	○	○					

● VERY SUITABLE ○ SUITABLE

P95 VC P131

BFB 水刀用スライド BFB Series Slide



Technical parameters

Unit: mm

Ordering code	Fitting Range
BPFB-SL-160	160-285
BPFB-SL-270	270-525

Product ID	Accessory				Purchase Separately
	① Nozzle	② Nozzle	③ Screw(Adj.)	④ Nozzle	Key(Adj.)
BPFB-SL-160	-	251.050.05	-	-	-
BPFB-SL-270	251.040.04	251.050.05	214.020.368	254.030.10	246.030.60

- The spare parts can be ordered separately. Please inquire on demand
- BFD-B series slide and BFB series slide used interchangeably

BFB 小刀配主刀头

BFB Series Slide(CW)



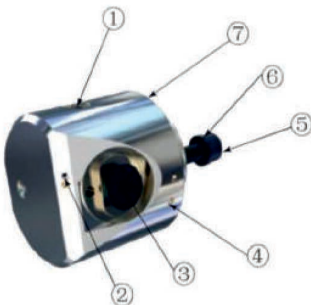
Technical parameters

Unit: mm

Ordering code	Fitting Range
BPFB-SL-160CW	160-285
BPFB-SL-270CW	270-525

Product ID	Accessory		Purchase Separately
	①	②	
	Screw(Adj.)	Nozzle	Key(Adj.)
BPFB-SL-160CW	-	-	-
BPFB-SL-270CW	214.020.368	254.030.10	246.030.60

- The spare parts can be ordered separately. Please inquire on demand
- BFD-B series slide(CW) and BFB series slide(CW) used interchangeably



Technical parameters

Unit: mm

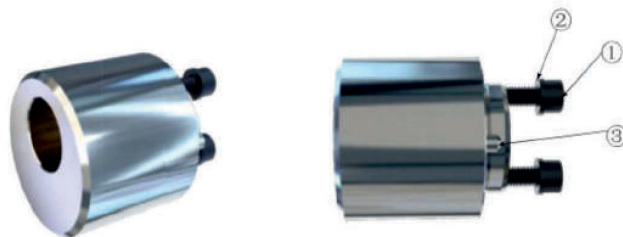
Ordering code	Fitting Range
BPFB-CY34-050025	160-525

Product ID	Accessory							Purchase Separately	
	①	②	③	④	⑤	⑥	⑦		
	Screw(Lock)	Nozzle	Screw(Cartridge)	Nozzle	Screw	Gasket	Pin	Key(Screw)	Key(Screw)
BPFB-CY34-050025	119.080.12	251.020.03	111.080.12	251.030.03	113.060.20	131.060.16	171.050.12	241.050.80	247.040.100

• The spare parts can be ordered separately. Please inquire on demand

BFB 水刀配重块

BFB Series Counter-Weight



Technical parameters

Unit: mm

Ordering code	Fitting Range
BPFB-CW-5043A	160-525

备件 Accessory				Purchase Separately
Product ID	①	②	③	 Key(Screw)
	Screw	Gasket	Pin	
BPFB-CW-5043A	113.060.20	131.060.16	171.050.12	241.050.80

- The spare parts can be ordered separately. Please inquire on demand
- BFD-B series counter-weight and BFB series counter-weight used interchangeably

FINE-BORING BFH SERIES

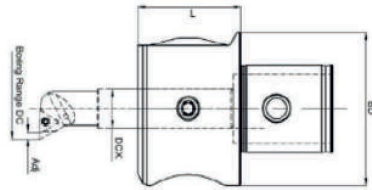


NOVA CUT
BORING
TOOLS

01

Used with boring bar, it can be used for
 $\phi 1$ - $\phi 54$ mm aperture machining





- Internal coolant supply
- TCMT TCMX TCGT TCGX TCEX TCMW
- The insert is for illustration only

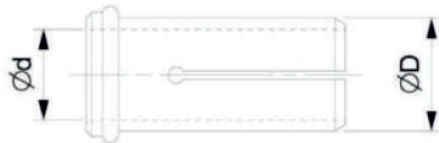
Technical parameters

Ordering code	Dimension					Coupling
	L	BD	DCX	Adj.	Kg	
BFH-10CKB4	28.5	39	10	2	0.25	CKB4
BFH-12CKB5	36	50	12	3.5	0.5	CKB5
BFH-16CKB6	45	63.5	16	4.5	1.1	CKB6

Accessory

Product ID	①	②	
	Screw(Lock)	Screw(Lock)	
BFH-10CKB4	119.060.10	251.060.05	247.030.100
BFH-12CKB5	119.080.12	251.080.06	247.040.100
BFH-16CKB6	119.100.16	251.100.08	247.050.100

- The spare parts can be ordered separately. Please inquire on demand



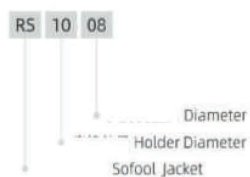
Technical parameters

Unit: mm

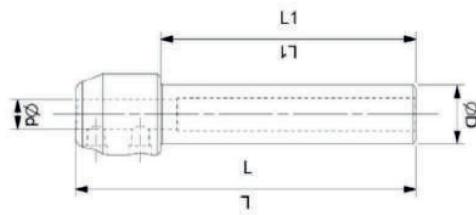
Ordering code	Dimension		重量 Weight
	D	d	
RS1008	10	8	0.001
RS1208	12	8	0.001
RS1210	12	10	0.001
RS1608	16	8	0.005
RS1610	16	10	0.005
RS1612	16	12	0.005
RS1614	16	14	0.005

- BFD-H Jacket and BFH jacket used interchangeably

Naming And Coding Rules



Side-clamped Connection Rod



- Internal coolant supply

Technical parameters

Unit: mm

Ordering code	Dimension				Weight
	D	d	L	L1	
CY16-SLN8	16	8	100	75	0.137
CY16-SLN10	16	10	100	75	0.127

Accessory

Product ID	Key	Key(Screw)
CY16-SLN8	259.060.06	241.030.63
CY16-SLN10	259.060.06	241.030.63

- The spare parts can be ordered separately. Please inquire on demand
- BFD-H side-clamped connection rod and BFH side-clamped connection rod used interchangeably

Naming And Coding Rules





- Internal coolant supply

Technical parameters

Unit: mm

Ordering code	Dimension			Suitable for boring head	Weight
	D	M	L		
CY08-M5-47	8	M5	47	BS09-TP08-M5 BS10.5-TP08-M5	0.014
CY08CR-M5-72	8	M5	72		0.040
CY08CR-M5-87	8	M5	87		0.050
CY10-M6-52	10	M6	52	BS12-TP08-M6 BS14-TP08-M6 BS16-TP08-M6	0.025
CY10CR-M6-77	10	M6	77		0.070
CY10CR-M6-97	10	M6	97		0.090
CY10-M10-58	10	M10	58	BS18-TP08-M10 BS20-TP08-M10	0.035
CY12-M6-77	12	M6	77	BS14-TP08-M6 BS16-TP08-M6	0.057
CY12CR-M6-107	12	M6	107		0.160
CY12CR-M6-137	12	M6	137		0.210

see next page →