

Boring Bars

D



D1 ~ D49



Boring Bars

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Mini Boring Tool		
SEC-Boring Bar		
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SUMIBORON Small Hole Boring Bars	DABB Type	D49

Selection Guide for Boring Tools

Guide for Selection by Usage and Boring

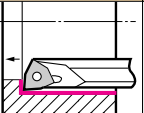
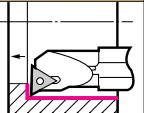
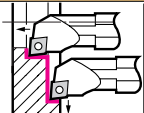
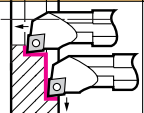
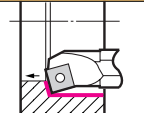
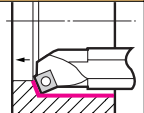
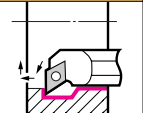
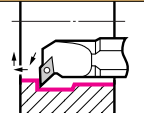
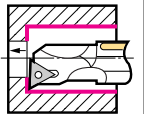
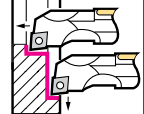
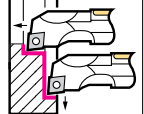
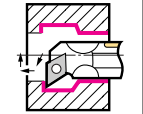
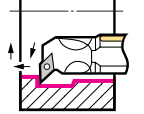
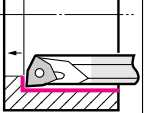
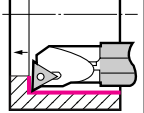
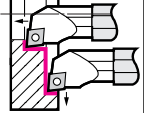
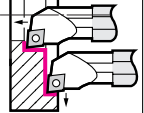
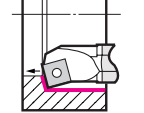
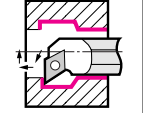
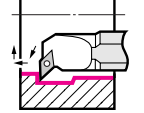
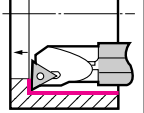
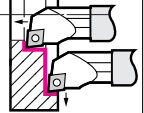
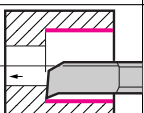
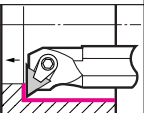
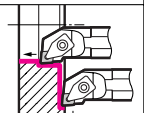
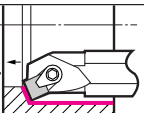
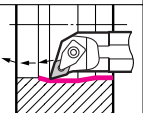
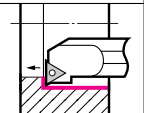
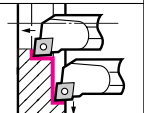
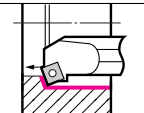
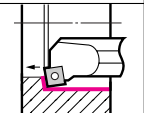
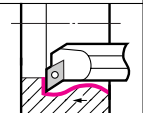
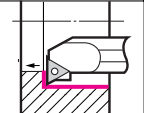
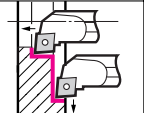
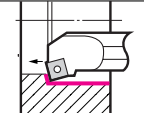
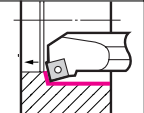
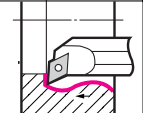
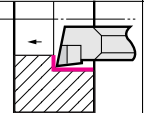
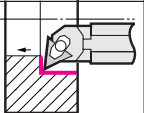
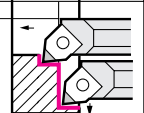
(Example)

Colored box: Manufacturable size (without oil hole), ●: Stock, ⊕: Stock with oil hole

Usage	Tool Type	Shank Type Boring Depth (L / D)			Applicable Insert Type/Shape	Tooling	Min. Bore Diameter (mm)																			
		Steel	Carbide	Anti-vibration			※When different from header bore diameters, the correct values are written in the table.																			
		1	1.5	2			3	4	5	6	7	8	10	12	13	14	16	18	20	22	25	28	34	44	54	70
Minimal Boring	CKB → D10	~3			Coating, SumiDia Special Insert		●	●	●	●	●															
	DABB → D49	~2			Brazing SumiDia				●	●	●	●														
Stop Boring	BNBX <i>New</i> → D48	~7.5			Brazing SumiBoron																					
	BNB → D48	~4			SumiBoron Special Insert								●	●		●	●		●	●						
	BBPW → D14	~3			Polygon 5° Positive (with hole)																					
	WBPW → D14	~8					●	●	●																	
	BBPT → D16	~3			Triangle 5° Positive (with hole) 11° Positive (with hole)								●	●	●	●	●	●	●	●	●	●	●	●	●	
	XBPT <i>New</i> XBPT-H → D16		~6				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	WBPT WBPT-H → D17	~8											●	●	●	●	●	●	●	●	●	●	●	●	●	
	CTFP → D38	~3			Triangle 11° Positive (without hole)																			●	●	
	PTFN → D47	~3			Triangle Negative (with hole)																				●	●
	BTFN → D47	~3																							●	●
	Bottom Facing	BNZ → D49	~5			SumiBoron Special Insert								●	●	●	●		●	●		●	●			
		BBPC → D26	~3			80° Diamond 11° Positive (with hole)																				
XBPC <i>New</i> XBPC-H → D26			~6		●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
WBPC → D26		~8																								
S-SCLC → D21		~3			80° Diamond 7° Positive (with hole)																				●	
B-SCLC → D21			~6				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C-SCLC → D22		~8																								
E-SCLC → D22		~8 With oil hole																								
DCLN <i>New</i> → D42		~3			80° Diamond Negative (with hole)																				●	●
PCLN → D42		~3																							●	●
BCLN → D42	~3																								●	●

Boring Tools Series

TOOLING SELECTION

System	Usage Insert shape Shank type	Stop Boring		Bottom Facing		Through Boring		Copying	
		Polygon / Others	Triangle	80° Diamond		Square		55° Diamond	35° Diamond
Screw Lock	Steel	 BBPW →D14	 BBPT →D16	 BBPC →D26	 S-SCLC →D21	 BBPS →D28	 SSKC →D29	 S-SDUC (S-SDQC) →D30 D31	 S-SVUC (S-SVQC) →D36 (S-SVZC) →D36
	Anti-vibration	—	 XBPT (XBPT-H) →D16	 XBPC (XBPC-H) →D26	 B-SCLC →D21	—	—	 B-SDUC (B-SDQC) →D30 D31	 B-SVUB (B-SVQB) →D34 (B-SVZB) →D34
	Carbide	 WBPW →D14	 WBPT →D17	 WBPC →D26	 C-SCLC →D22	 WBPS →D28	—	 C-SDUC →D30	 C-SVUB (C-SVQB) →D34 (C-SVZB) →D34
	Carbide with Oil hole	—	 WBPT-H →D17	—	 E-SCLC →D22	—	—	—	—
Top Clamp	Steel	 CKB →D10	 CTFP →D38	 DCLN →D42	—	 CSKP →D40	—	 DDQN →D44	—
Lever Lock	Steel	—	 PTFN →D47	 PCLN →D42	—	 PSKN →D46	 PSYN →D46	 PDUN (PDZN) →D44	—
PIN Lock	Steel	—	 BTFN →D47	 BCLN →D42	—	 BSKN →D45	 BSYN →D45	 BDUN (BDZN) →D43	—
CBN	Carbide	 BNBX →D48	 BNB →D48	 BNZ →D49	—	—	—	—	—

SEC- Boring Tools Identification Table

■ Catalogue Classification System For SEC-Boring Holders

(Example)

S 16 R - S T U P R 11 03 - 18

※ This code may only be included in some of the catalogue nos.

Chart 1

① Shank Material	
S	Steel
B	Steel with Anti-vibration mechanism
C	Carbide
E	Carbide with Oil hole

Chart 7

⑧ Feed Direction			
Symbol	Right Hand	Symbol	Left Hand
R		L	

Chart 2

③ Shank Length	
Symbol	Length (mm)
F	80
G	90
H	100
J	110
K	125
L	140
M	150
N	160
P	170
Q	180
R	200
S	250
T	300
U	350

Chart 3

④ Clamping system					
Symbol	System	Structure	Symbol	System	Structure
C	Top Clamp		M	Top Clamp + Pin Lock	
D	Double Clamp		P	Lever Lock (Insert is supported by 2 faces)	
E	Pin Lock (Insert is supported by 1 face)		S	Screw Lock	

Chart 4

⑤ Insert Shape			
Symbol	Insert Shape	Symbol	Insert Shape
A	Parallelogram 85°	M	Rhombic 86°
B	Parallelogram 82°	O	Octagonal
C	Diamond 80°	P	Pentagonal
D	Diamond 55°	R	Round
E	Diamond 75°	S	Square
F	Diamond 50°	T	Triangular
H	Hexagonal	V	Diamond 35°
K	Parallelogram 55°	W	Trigon
L	Rectangular		

Chart 5

⑥ Holder Style (← Indicates major cutting edge)					
Symbol	Shape	Offset	Symbol	Shape	Offset
A		Nil	N		Nil
B		Nil	Q		Yes
D		Nil	R		Yes
E		Nil	S		Yes
F		Yes	T		Yes
G		Yes	U		Yes
J		Yes	W		Yes
K		Yes	Y		Yes
L		Yes	Z		Yes

Chart 6

⑦ Clearance Angle	
Symbol	Relief Angle
A	3°
B	5°
C	7°
D	15°
E	20°
F	25°
G	30°
N	0°
P	11°
O	Special Angle

SEC- Boring Tools Series



General Feature

Since being the first in 1976 to introduce indexable boring bars, Sumitomo Electric has been continuously developing a comprehensive range which includes the SEC-Small Hole boring series, high rigidity boring head series, with either steel / carbide shanks, and the latest anti-vibration mechanism - SumiTurn X-Bar series coupled with a wide variety of insert grades and chipbreakers, cover a whole range of process requirements.

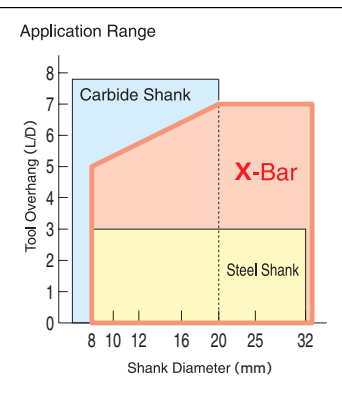
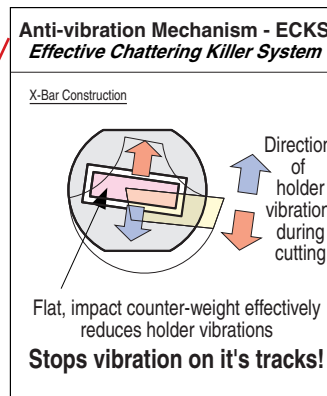
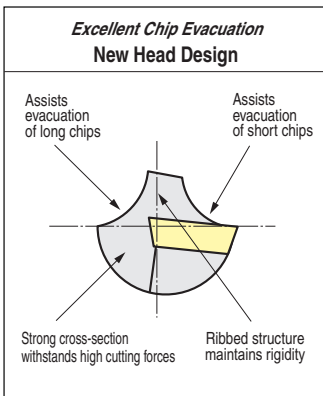
Characteristics

- Wide series selection for various boring operations.
- Minimum bore diameters of CKB type $\phi 1\text{mm}$ ~ and C-SCLC type $\phi 5\text{mm}$ ~
- New anti-vibration boring bars, **SumiTurn X-Bar**.
- Short carbide shank type WBPT-E, for use on turret lathes.
- Wide selection of grades and chipbreakers available for various processes and work materials.

Steel Shank Type with Anti-Vibration Mechanism

SumiTurn series

Anti-vibration Boring Bar **SumiTurn** **X-Bar**




- High anti-vibration capabilities for effective rough boring of deep holes.
- Achieving low cost boring of large diameters and deep holes, $\phi 32$ shank is available.
- Excellent chip control with double chip pockets.
- Bars with internal coolant hole are also available.

New

Steel/Carbide Shank Boring Bar Variations

● Steel Shank	● Carbide Shank	● Carbide Shank with Oil Hole
<p>High rigidity head design for low cost deep hole boring!</p>	<p>New short shank type for ease and economy.</p>	<p>Internal coolant supply for longer tool life!</p>
		<p>Flank Wear (mm)</p> <p>Cutting Time (min)</p> <p>Dry</p> <p>Ext. Coolant</p> <p>Int. Coolant</p> <p>Work: SCM435 Insert: FX Breaker (EH10Z) Cond: V=150m/min, f=0.1mm/rev, d=0.3mm</p>

Shank Material Selection

Application		Type	Steel Shank	SumiTurn  Bar	Carbide Shank
General Steel	Shallow hole (L/D < 3)		◎ (More economical)	○ (High speed cutting)	
	Deep hole (L/D > 3)			◎ (More economical)	◎
High efficiency boring by wiper insert				○	◎
Hardened Steel					◎
High precision boring					◎

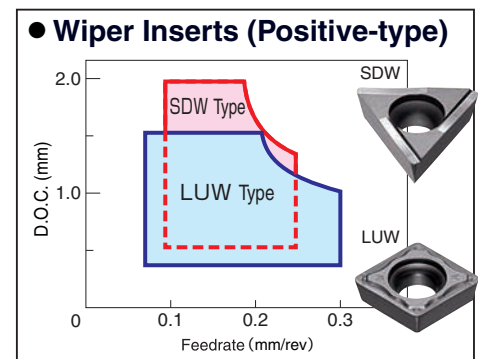
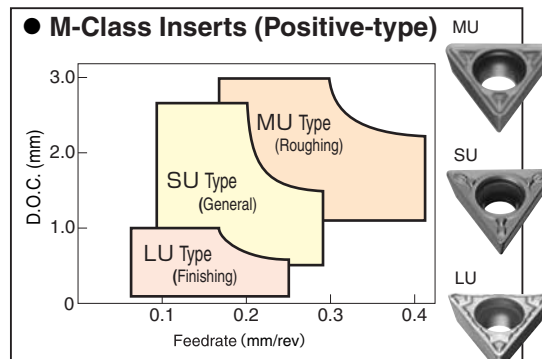
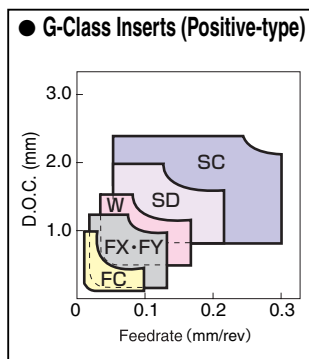
◎ 1st Recommendation ○ 2nd Recommendation

Grade Recommendations

Tool Material	Process	Work Material								
		Finish~Light Cut	Medium Cut	General Steel	Stainless Steel	Heat Resistant Alloys	Cast Iron	Hardened Steel	Non-Ferrous Material	
Coated Carbide	CVD		AC2000		◎	○		○		
			AC3000		◎	○				
			AC630M		◎	◎	○			
			AC410K		◎	◎	◎			
			AC700G (For Steel) / AC700G (For Cast Iron)		◎	◎	◎			
	PVD		ACZ310		○	◎	◎	◎		○
			ACZ150		◎	◎	◎			
			T2000Z		◎	◎	○			
			T3000Z		◎	○				
			T1200A		◎	○				
Cermet				◎	○					
Uncoated Carbide		G10E						◎	○	
SUMIBORON		BNX20						◎		
		BN250						◎		
		BN700						◎		
SUMIDIA		DA2200							◎	
		DA150							◎	

◎ 1st Recommendation ○ 2nd Recommendation

Chipbreaker Series



Multi-functional Autolathe Tool Twin Head Holder

New

TWIN HEAD
ツインヘッド



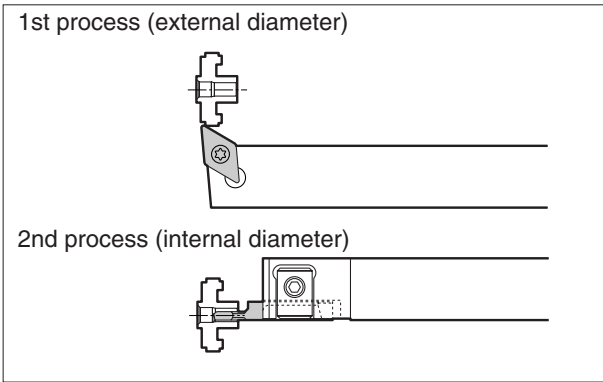
Characteristics

- Having 1 holder that performs 2 operations is equivalent to mounting an additional tool on the machine.
- External turning possible with the aid of a drill sleeve.
- 2 holder configurations, internal+external and internal+internal, are standard stocked items.
- Height difference of the 2 cutting edges is below 40um which is good for high precision machining.

Boring Bars

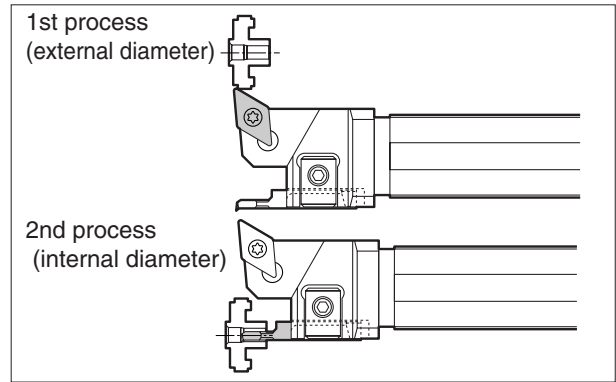
Advantage of twin-head holder

Conventional tool



• 2 different operations requiring 2 separate tools.

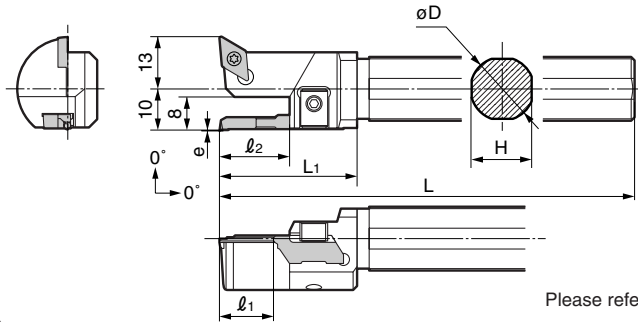
Twin head holder



- A single tool performing 2 different operations.
- Cycle time can be reduced.

Boring + External Tool Holder

CKBE type



Please refer to page D13 for e.

New

Holder (ID boring depth 6.0mm type)

Sumitomo Cat. No.	Stock	Dimensions (mm)						* Maximum workpiece diameter	ID boring insert	OD turning insert
		øD	H	L	L ₁	l ₁	l ₂			
S1588X-CKBE-06	●	15.875	15	130	27	6	10	12.0	KBMXR0006-00 KBMXR0006-00T	DC □ □ 0702 □ □
S16X-CKBE-06	●	16	15	130	27	6	10	12.0		
S1905X-CKBE-06	●	19.05	17	130	27	6	10	12.0		
S20X-CKBE-06	●	20	18	130	27	6	10	12.0		
S22X-CKBE-06	●	22	20	130	27	6	10	12.0		

※ When machining internal diameter

Holder (ID boring depth 11.0mm type)

Sumitomo Cat. No.	Stock	Dimensions (mm)						* Maximum workpiece diameter	ID boring insert	OD turning insert
		øD	H	L	L ₁	l ₁	l ₂			
S1588X-CKBE-11	●	15.875	15	130	32	11	15	12.0	KBMXR0011-00 KBMXR0011-00T	DC □ □ 0702 □ □
S16X-CKBE-11	●	16	15	130	32	11	15	12.0		
S1905X-CKBE-11	●	19.05	17	130	32	11	15	12.0		
S20X-CKBE-11	●	20	18	130	32	11	15	12.0		
S22X-CKBE-11	●	22	20	130	32	11	15	12.0		

※ When machining internal diameter

ID boring insert **D13**

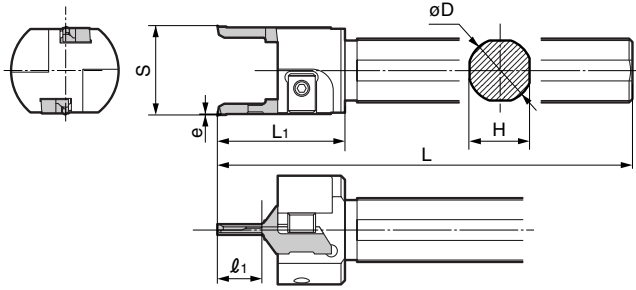
OD turning insert **C53**

Multi-functional Autolathe Tool Twin Head Holder

New

Boring + Face Grooving

CKBB type



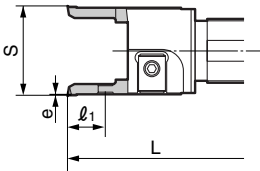
Holder

Sumitomo Cat. No.	Stock	Dimensions (mm)						ID boring insert	Face grooving insert
		øD	H	L	L ₁	S	l ₁		
S1588X-CKBB-F	●	15.875	15	130	32	22	11	KBMXR0000-00 KBMXR0000-00T	KBMFR0000-05
S16X-CKBB-F	●	16	15	130	32	22	11		
S1905X-CKBB-F	●	19.05	17	130	32	22	11		
S20X-CKBB-F	●	20	18	130	32	22	11		
S22X-CKBB-F	●	22	20	130	32	22	11		

※ Reference for L, S and l₁ are taken with KBMXR0311-00(T) mounted.

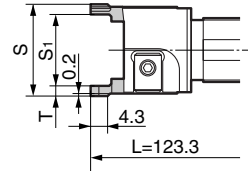
Insert selection **D13**

Insert Cat. Number: Using KBMXR (ID+ID) type



Insert Cat. Number	e	l ₁	S	L
KBMXR0103-00 (T)	0.2	3	21.8	122
KBMXR01506-00 (T)	0.25	6	21.9	125
KBMXR0206-00 (T)	0.25	6	21.9	125
KBMXR0311-00 (T)	0.3	11	22.0	130
KBMXR0411-00 (T)	0.5	11	22.4	130
KBMXR0511-00 (T)	0.7	11	22.8	130
KBMXR0420-00 (T)	0.5	20	22.4	139
KBMXR0520-00 (T)	0.7	20	22.8	139

Insert Cat. Number: Using KBMFR (Face+Face) type



Insert Cat. Number	S	S ₁	T
KBMFR0615-05	21.8	18.8	1.5
KBMFR0620-05	21.8	17.8	2
KBMFR0630-05	21.8	15.8	3

Parts

For use with KBM □R insert			For use with DC □□ insert	
Clamp	Double Screw	Wrench	Screw	Wrench
CKBW16	WB4-8	LH020	BFTX02506N	TRX8

Special Holder Configurations



Int. diameter+Ext. diameter
(Square shank holder)



Inner diameter + Center drill



Int. diameter+Int. diameter

Holder configurations for different workpieces or various machining requirements, such as guide holes, chamfering and external necking, can be custom-made.

SEC-MINI Boring Tool Holders CKB Type

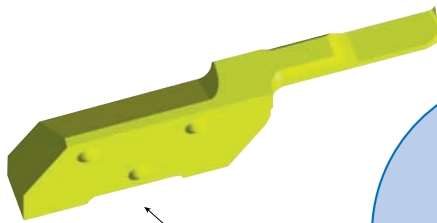


■ Characteristics

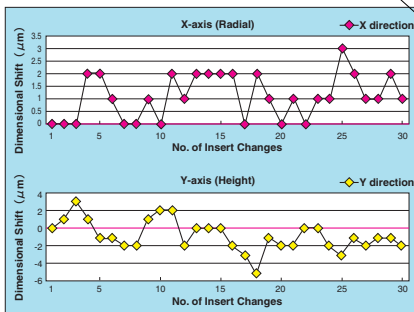
- Minimum bore diameters from $\varnothing 1\text{mm}$ to $\varnothing 5\text{mm}$.
- Maximum boring depth of 20 mm ($\varnothing 4, \varnothing 5$ mm).
- Able to use with various auto-lathe machines.
- Unique design ensures high indexing accuracy.
- Simple insert change.

● High indexing Accuracy

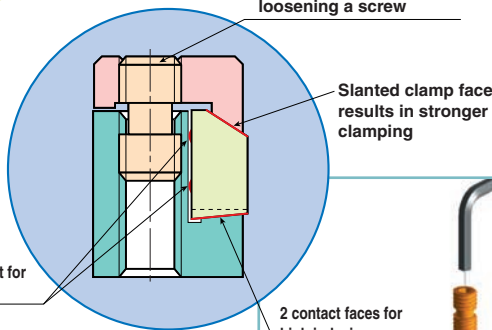
● Simple Insert Change



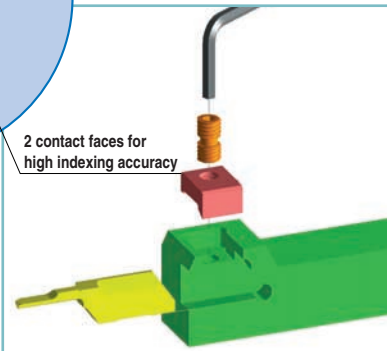
● CKB type Indexing Accuracy



3 points of contact for high indexing



2 contact faces for high indexing accuracy



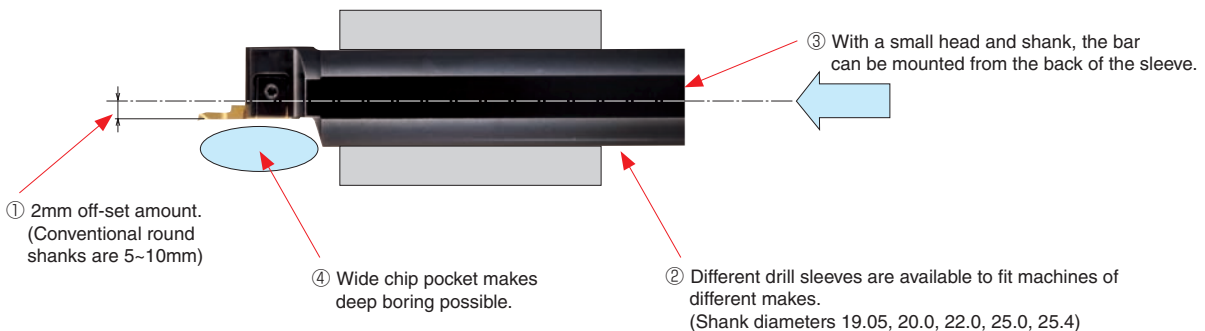
● Available Insert Grades

- ACZ150Stainless Steel, General Steel
- ACZ310Stainless Steel, General Steel
- DA2200Aluminum, Non-ferrous Metal

■ Round Shank Holder (Small Off-set) [S-CKB-S Type]

New

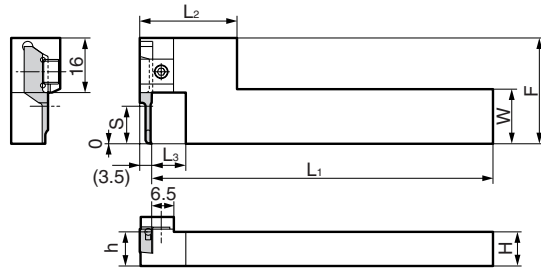
● Application range expansion with 2mm off-set bars





SEC-Mini Boring Tool Holders CKB Type

Mini Boring L-Styled



Parts

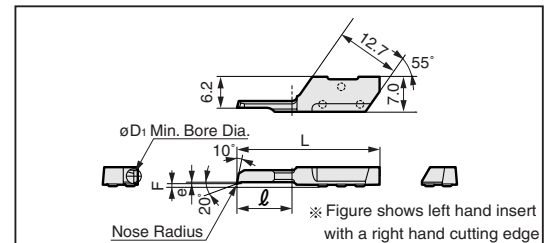
Clamp	Double screw	Wrench
CKBW16	WB4-8	LH020

Holder

Catalogue No.	Stock	Dimensions (mm)							Applicable Insert	Clamp	Double screw	Wrench
		H=h	W	L ₁	S	F	L ₂	L ₃				
CKBSR1016-16-06	●	10	16	125	6	26	28.5	10	KBMXL0206-00R	CKBW16	WB4-8	LH020
CKBSR1016-16-11	●	10	16	125	11	31	28.5	10	KBMXL03,04,0511-00R			
CKBSR1216-16-06	●	12	16	150	6	26	28.5	10	KBMXL0206-00R			
CKBSR1216-16-11	●	12	16	150	11	31	28.5	10	KBMXL03,04,0511-00R			
CKBSR1216-16-20	●	12	16	150	20	40	28.5	10	KBMXL04,0520-00R			
CKBSR1616-16-06	●	16	16	150	6	26	34.5	16	KBMXL0206-00R			
CKBSR1616-16-11	●	16	16	150	11	31	34.5	16	KBMXL03,04,0511-00R			
CKBSR1616-16-20	●	16	16	150	20	40	34.5	16	KBMXL04,0520-00R			

●KBMX Type (For L-Styled Holder)

Catalogue No.	ACZ310	Min. Bore Dia.	Dimensions (mm)						
			F	e	Nose Radius	L	ℓ		
KBMXL0206-05R	●	2.0	0.5	0.25	0.05	23.5	6		
KBMXL0206-20R	●				0.20				
KBMXL0311-05R	●	3.0	0.5	0.3	0.05	28.5	11		
KBMXL0311-20R	●				0.20				
KBMXL0411-05R	●	4.0	0.5	0.5	0.05	28.5	11		
KBMXL0411-20R	●				0.20				
KBMXL0420-05R	●				0.05			37.5	20
KBMXL0420-20R	●				0.20				
KBMXL0511-05R	●	5.0	0.5	0.5	0.05	28.5	11		
KBMXL0511-20R	●				0.20				
KBMXL0520-05R	●				0.05			37.5	20
KBMXL0520-20R	●				0.20				



■ Application Example ①

Electronic Component (Free Cutting Stainless Steel)

Holder : CKBR1212-16
Insert : **KBMXR 0420-05(ACZ310)**
Cutting speed : V=60m/min
Feedrate : f=0.01mm/rev.
Depth-of-cut : d=0.03mm
Coolant : Cutting oil

■ Application Example ②

Automotive Fuel Pump Component (SUS430)

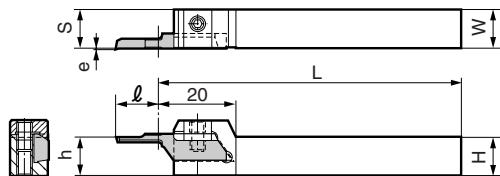
Holder : CKBR1616-16
Insert : **KBMXR 0206-05T(ACZ150)**
Cutting speed : V=80m/min
Feedrate : f=0.03mm/rev.
Depth-of-cut : d=0.05mm
Coolant : Cutting oil

Boring Bars

SEC-Mini Boring Tool Holders CKB Type



Square Shank



Please refer to facing page D13 for e, l dimensions.

Holder

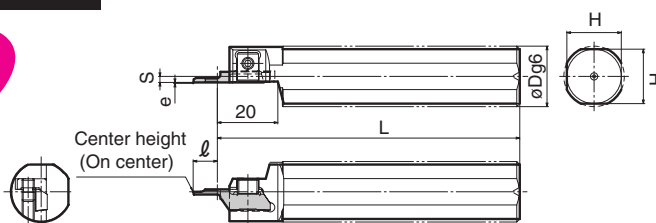
Sumitomo Cat. No.	Stock	Dimensions (mm)				
		H	W	L	S	h
CKBR1010-16	●	10	10	100	10	10
CKBR1212-16	●	12	12	125	12	12
CKBR1616-16	●	16	16	125	16	16
CKBR2020-16	●	20	20	125	20	20
CKBR2525-16	●	25	25	150	25	25

Parts

Clamp	Double Screw	Wrench
CKBW16	WB4-8	LH020

Boring Bars

Round Shank (Offset Small)



Please refer to facing page D13 for e, l dimensions.

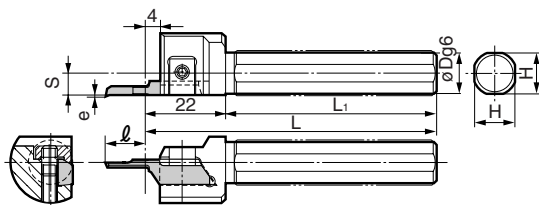
Holder

Sumitomo Cat. No.	Stock	Dimensions (mm)				
		∅D	H	L	S	
S1905H-CKBRS-16	●	19.05	17	100	2	
S20H-CKBRS-16	●	20	18	100	2	
S22K-CKBRS-16	●	22	19	125	2	
S25K-CKBRS-16	●	25	23	125	2	
S254K-CKBRS-16	●	25.4	23	125	2	

Parts

Clamp	Double Screw	Wrench
CKBW16	WB4-8	LH020

Round Shank



Please refer to facing page D13 for e, l dimensions.

Holder

Sumitomo Cat. No.	Stock	Dimensions (mm)				
		∅D	H	L	L ₁	S
S10F-CKBR-16	●	10	9	80	58	5
S12F-CKBR-16	●	12	11	80	58	6
S16H-CKBR-16	●	16	15	100	78	8
S20K-CKBR-16	●	20	18	125	103	10
S19K-CKBR-16	●	19.05	17	125	103	8

Parts

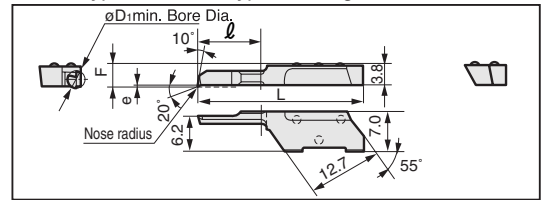
Clamp	Double Screw	Wrench
CKBW16	WB4-8	LH020

SEC-Mini Boring Tool Holders CKB Type

•KBMX Type, KBMX-T Type (Boring)

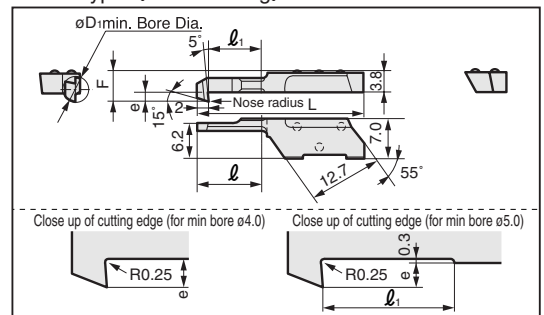
Cat. No.	ACZ310	Min. Bore Dia.	Dimensions (mm)					
			F	e	Nose radius	L	ℓ	
KBMXR0103-05	●	1.0	4.0	0.2	0.05	20.5	3	
KBMXR0103-20	●	1.0	4.0	0.2	0.20	20.5	3	
KBMXR01506-05	●	1.5	4.05	0.25	0.05	23.5	6	
KBMXR01506-20	●	1.5	4.05	0.25	0.20	23.5	6	
KBMXR0206-05	●	2.0	4.05	0.25	0.05	23.5	6	
KBMXR0206-20	●	2.0	4.05	0.25	0.20	23.5	6	
KBMXR0311-05	●	3.0	4.10	0.3	0.05	28.5	11	
KBMXR0311-20	●	3.0	4.10	0.3	0.20	28.5	11	
KBMXR0411-05	●	4.0	4.30	0.5	0.05	28.5	11	
KBMXR0411-20	●	4.0	4.30	0.5	0.20	28.5	11	
KBMXR0420-05	●	4.0	4.30	0.5	0.05	37.5	20	
KBMXR0420-20	●	4.0	4.30	0.5	0.20	37.5	20	
KBMXR0511-05	●	5.0	4.50	0.7	0.05	28.5	11	
KBMXR0511-20	●	5.0	4.50	0.7	0.20	28.5	11	
KBMXR0520-05	●	5.0	4.50	0.7	0.05	37.5	20	
KBMXR0520-20	●	5.0	4.50	0.7	0.20	37.5	20	

KBMX Type, KBMX-T Type (Boring)



Cat. No.	ACZ150	Min. Bore Dia.	Dimensions (mm)					
			F	e	Nose radius	L	ℓ	
<i>New</i> KBMXR0103-05T	●	1.0	4.0	0.2	0.05	20.5	3	
<i>New</i> KBMXR0103-20T	●	1.0	4.0	0.2	0.20	20.5	3	
<i>New</i> KBMXR01506-05T	●	1.5	4.05	0.25	0.05	23.5	6	
<i>New</i> KBMXR01506-20T	●	1.5	4.05	0.25	0.20	23.5	6	
<i>New</i> KBMXR0206-05T	●	2.0	4.05	0.25	0.05	23.5	6	
<i>New</i> KBMXR0206-20T	●	2.0	4.05	0.25	0.20	23.5	6	
<i>New</i> KBMXR0311-05T	●	3.0	4.10	0.3	0.05	28.5	11	
<i>New</i> KBMXR0311-20T	●	3.0	4.10	0.3	0.20	28.5	11	
<i>New</i> KBMXR0411-05T	●	4.0	4.30	0.5	0.05	28.5	11	
<i>New</i> KBMXR0411-20T	●	4.0	4.30	0.5	0.20	28.5	11	
<i>New</i> KBMXR0511-05T	●	5.0	4.50	0.7	0.05	28.5	11	
<i>New</i> KBMXR0511-20T	●	5.0	4.50	0.7	0.20	28.5	11	

KBMZ Type (Back Turning)



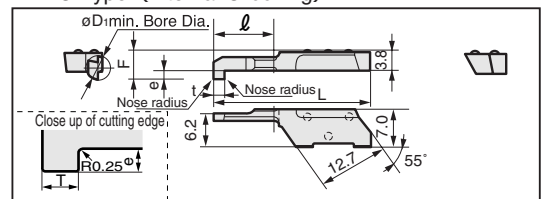
•KBMZ Type (Back Turning)

Cat. No.	ACZ310	Min. Bore Dia.	Dimensions (mm)					
			F	e	Nose radius	L	ℓ ₁	ℓ
KBMZR0411-05	●	4.0	5.10	1.3	0.05	28.5	9	11
KBMZR0411-20	●	4.0	5.10	1.3	0.20	28.5	9	11
KBMZR0511-05	●	5.0	5.10	1.3	0.05	28.5	9	11
KBMZR0511-20	●	5.0	5.10	1.3	0.20	28.5	9	11

•KBMG Type (Internal Grooving)

Cat. No.	ACZ310	Min. Bore Dia.	Dimensions (mm)					
			F	e	t	Nose radius	L	ℓ
KBMGR0411-05	●	4.0	4.90	1.1	1.00	0.05	28.5	11
KBMGR0411-10	●	4.0	4.90	1.1	2.00	0.10	28.5	11
KBMGR0511-05	●	5.0	5.10	1.3	1.00	0.05	28.5	11
KBMGR0511-10	●	5.0	5.10	1.3	2.00	0.10	28.5	11

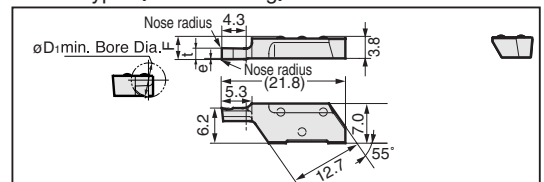
KBMG Type (Internal Grooving)



•KBMF Type (End Grooving)

Cat. No.	ACZ150	Min. Bore Dia.	Dimensions (mm)						Max. groove depth (mm)
			F	e	t	Nose radius	L		
<i>New</i> KBMFR0615-05	●	6.0	4.0	0.2	1.5	0.05	21.8	4.0	
<i>New</i> KBMFR0620-05	●	6.0	4.0	0.2	2	0.05	21.8	4.0	
<i>New</i> KBMFR0630-05	●	6.0	4.0	0.2	3	0.05	21.8	4.0	

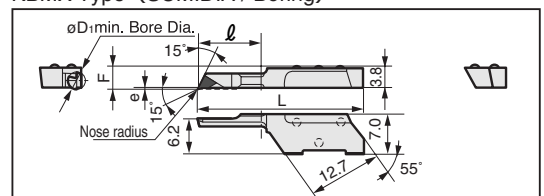
KBMF Type (End Grooving)



•KBMX Type (SUMIDIA / Boring)

Cat. No.	DA2200	Min. Bore Dia.	Dimensions (mm)					
			F	e	Nose radius	L	ℓ	
KBMXR0311-10	●	3.0	4.1	0.3	0.1	28.5	11	
KBMXR0411-10	●	4.0	4.3	0.5	0.1	28.5	11	
KBMXR0511-10	●	5.0	4.5	0.7	0.1	28.5	11	

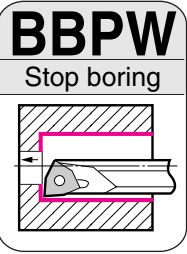
KBMX Type (SUMIDIA / Boring)



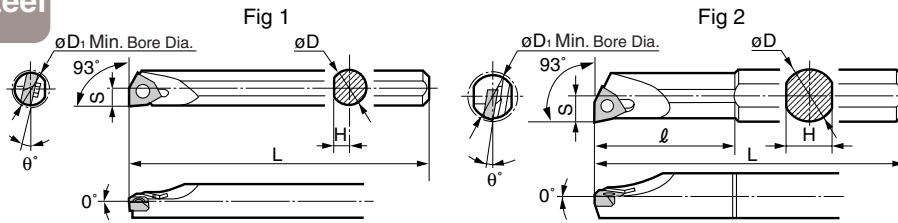
SEC-Boring Bars BBPW/WBPW Type



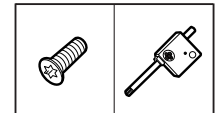
Small hole finishing



Steel



Parts



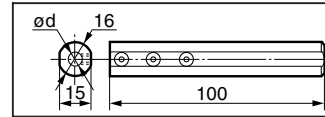
Holder

Right handed toolholders are applicable with **left handed** inserts.

Above figures show right hand tools.

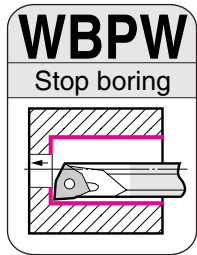
Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock		ϕD_1	Dimensions (mm)						Fig	Applicable Insert	Screw	Wrench
			R	L		ϕD	H	L	S	ℓ	θ°				
Steel	BBPW-508 RK/LK*	S08H-SWUBR/L06K	●	●	5.5	5	2.2	100	2.75	—	-12	1	WB □□0601 ○○	BFTX0203N	TRX06
	BBPW-508 R/L	S08H-SWUBR/L0601	●	●	5.5	8	7	100	2.75	18	-12			BFTX0203A	
	BBPW-508 R/L08*	S08H-SWUBR/L068	●	●	8	8	7	100	4	30	-10	2	BFTX0203N		
	BBPW-608 R/L*	S08H-SWUBR/L081	●	●	10	8	7	100	5	18	-13		BFTX0203N		
	BBPW-610 R/L*	S10K-SWUBR/L08	●	●	12	10	9	125	6	20	-10		WB □□0802 ○○	BFTX02205N	

BBPW-508RK/LK needs adaptor sleeve (HBB516)
* Product will be marked with ISO Cat. No.

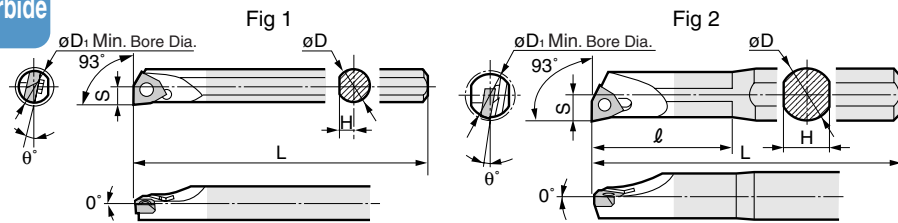


Sleeve	Stock
HBB516	●

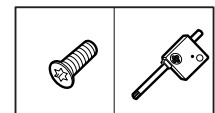
Adaptor sleeve is optional



Carbide



Parts



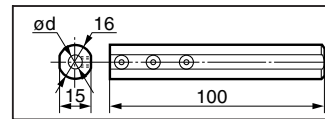
Holder

Right handed toolholders are applicable with **left handed** inserts.

Above figures show right hand tools.

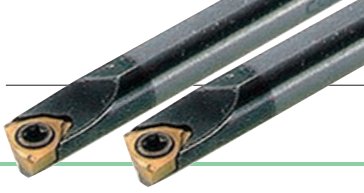
Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock		ϕD_1	Dimensions (mm)						Fig	Applicable Insert	Screw	Wrench
			R	L		ϕD	H	L	S	ℓ	θ°				
Carbide	WBPW-508 RK/LK*	W08H-SWUBR/L06K	●	●	5.5	5	2.2	100	2.75	—	-12	1	WB □□0601 ○○	BFTX0203N	TRX06
	WBPW-508 R/L	C08K-SWUBR/L06	●	●	5.5	8	7	125	2.75	30	-12			BFTX0203A	

WBPW-508RK/LK needs adaptor sleeve (HBB516)
* Product will be marked with ISO Cat. No.



Adaptor Sleeve	Stock
HBB516	●


Adaptor sleeve is optional



SEC-Boring Bars BBPW/WBPW Type


■ Insert (Coated / Cermet / SUMIBORON / SUMIDIA)

● 5° Relief G-Class


WBGT FW		Stock				Dimensions (mm)		
		T2000Z	T1200A			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
WBGT 060102R-FW		●	●			3.97	1.59	0.2
060102L-FW		●	●					0.2
060104R-FW		●	●					0.4
060104L-FW		●	●					0.4
WBGT 080202R-FW		●	●			4.76	2.38	0.2
080202L-FW		●	●					0.2
080204R-FW		●	●					0.4
080204L-FW		●	●					0.4

● 5° Relief M-Class

●SUMIBORON One-use Type


NU- WBEW		Stock				Dimensions (mm)		
		BNX20	BN700			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NU-WBEW 060102L-F		-	●			3.97	1.59	0.2
060104L-F		-	●					0.4
060102L-S		●	-					0.2
060104L-S		●	-					0.4
080202L-F		-	●			4.76	2.38	0.2
080204L-F		-	●					0.4
080202L-S		●	-					0.2
080204L-S		●	-					0.4


※ F: for sintered component and cast iron machining S: for fine boring of hardened steel


WBGT FX		Stock				Dimensions (mm)		
		ACZ310	EH10Z			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
WBGT 060102R-FX		●	●			3.97	1.59	0.2
060102L-FX		●	●					0.2
060104R-FX		●	●					0.4
060104L-FX		●	●					0.4
WBGT 080202R-FX		●	●			4.76	2.38	0.2
080202L-FX		●	●					0.2
080204R-FX		●	●					0.4
080204L-FX		●	●					0.4

● 5° Relief G-Class

●SUMIDIA

WBMT		Stock				Dimensions (mm)		
		DA2200				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
WBMT 060101L		●				3.97	1.59	0.1
060102L		●						0.2
060104L		●						0.4

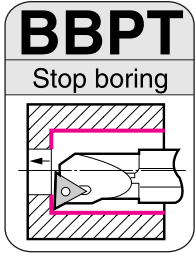
WBGT FY		Stock				Dimensions (mm)		
		ACZ310	T1200A			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
WBGT 060102R-FY		●	●			3.97	1.59	0.2
060102L-FY		●	●					0.2
060104R-FY		●	●					0.4
060104L-FY		●	●					0.4

WBGT W		Stock				Dimensions (mm)		
		T1200A	T110A			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
WBGT 060102R-W		●				3.97	1.59	0.2
060102L-W		●	●					0.2
060104R-W		●						0.4
060104L-W		●						0.4

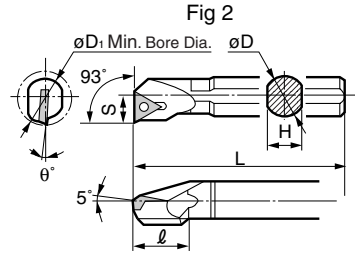
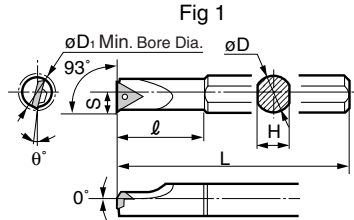
SEC-Boring Bars BBPT/XBPT XBPT-HType



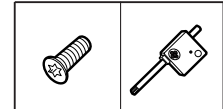
Finish to medium cut



Steel



Parts

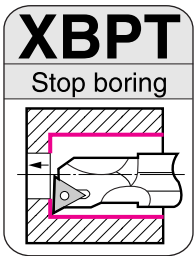


Holder

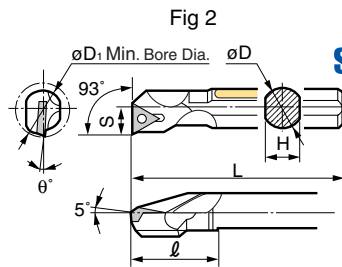
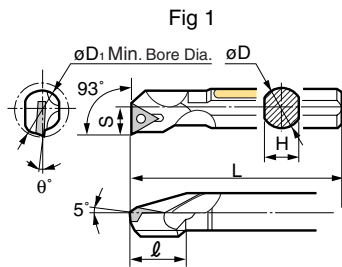
Right handed toolholders are applicable with **left handed** inserts.

Above figures show right hand tools.

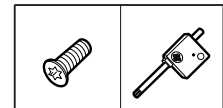
Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock		ϕD_1	Dimensions (mm)						Fig	Applicable Insert	Screw	Wrench
			R	L		ϕD	H	L	S	ℓ	θ°				
Steel	BBPT-508 R/L	S08H-STUBR/L0601	●	●	8	8	7	100	4	30	-12	1	TB □ □ 0601 ○ ○	BFTX0204A	TRX06
	BBPT-608 R/L	S08H-STUPR/L0802	●	●	10	8	7	100	5	13	-10	TP □ □ 0802 ○ ○			
	BBPT-210 R/L	S10K-STUPR/L1103	●	●	12	10	9	125	6	15	-8	TP □ □ 1103 ○ ○	BFTX0306A	TRX10	
	BBPT-212 R/L14	S12M-STUPR/L1103-14	●	●	14	12	11	150	7	17	-7		BFTX0307A		
	BBPT-212 R/L	S12M-STUPR/L1103	●	●	16	12	11	150	8	17	-6		BFTX0306A		
	BBPT-216 R/L18	S16R-STUPR/L1103-18	●	●	18	16	15	200	9	18	-4	TP □ □ 1604 ○ ○	BFTX0307A	TRX15	
	BBPT-216 R/L	S16R-STUPR/L1103	●	●	20	16	15	200	10	18	-2		BFTX0307A		
	BBPT-220 R/L	S20S-STUPR/L1103	●	●	22	20	18	250	11	18	-2	TP □ □ 1604 ○ ○	BFTX0410A	TRX15	
	BBPT-320 R/L	S20S-STUPR/L16	●	●	25	20	18	250	12.5	18	-3				
BBPT-325 R/L	S25T-STUPR/L16	●	●	28	25	22	300	14	18	-2					



Anti-vibration



Parts

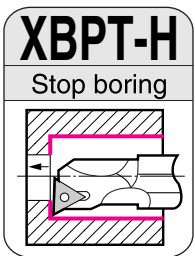


Holder

Right handed toolholders are applicable with **left handed** inserts.

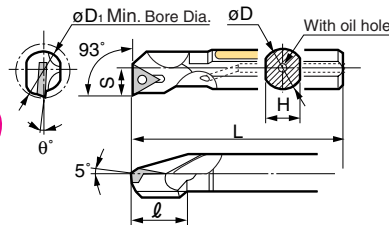
Above figures show right hand tools.

Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock		ϕD_1	Dimensions (mm)						Fig	Applicable Insert	Screw	Wrench
			R	L		ϕD	H	L	S	ℓ	θ°				
Anti-vibration	XBPT-608 R/L	B08H-STUPR/L0802-10	●	●	10	8	7	100	5	13	-10	TP □ □ 0802 ○ ○	BFTX204A	TRX06	
	XBPT-210 R/L	B10K-STUPR/L1103-12	●	●	12	10	9	125	6	15	-8				TP □ □ 1103 ○ ○
	XBPT-212 R/L14	B12M-STUPR/L1103-14	●	●	14	12	11	150	7	17	-7	BFTX0307A			
	XBPT-212 R/L	B12M-STUPR/L1103-16	●	●	16	12	11	150	8	17	-6	BFTX0306A			
	XBPT-216 R/L18	B16R-STUPR/L1103-18	●	●	18	16	15	200	9	18	-4	TP □ □ 1604 ○ ○	BFTX0307A	TRX15	
	XBPT-216 R/L	B16R-STUPR/L1103-20	●	●	20	16	15	200	10	18	-2		BFTX0307A		
	XBPT-220 R/L	B20S-STUPR/L1103-22	●	●	22	20	18	250	11	18	-2	TP □ □ 1604 ○ ○	BFTX0410A	TRX15	
	XBPT-320 R/L	B20S-STUPR/L1604-25	●	●	25	20	18	250	12.5	18	-3				
	XBPT-325 R/L	B25T-STUPR/L1604-28	●	●	28	25	22	300	14	18	-2				
XBPT-332 R/L	B32T-STUPR/L1604-40	●	●	40	32	30	300	20	53	-2					

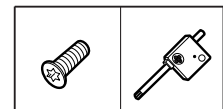


Anti-vibration with oil hole

New



Parts



Holder

Right handed toolholders are applicable with **left handed** inserts.

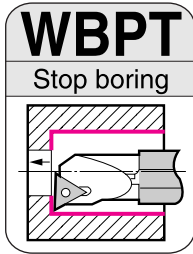
Above figures show right hand tools.

Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert	Screw	Wrench	
			R	L		ϕD	H	L	S	ℓ	θ°				
Anti-vibration with oil hole	XBPT-212 R/L H14	D12M-STUPR/L1103-14	●	●	14	12	11	150	7	17	-7	TP □ □ 1103 ○ ○	BFTX0306A	TRX10	
	XBPT-216 R/L H18	D16R-STUPR/L1103-18	●	●	18	16	15	200	9	18	-4				BFTX0307A
	XBPT-220 R/L H22	D20S-STUPR/L1103-22	●	●	22	20	18	250	11	18	-2				

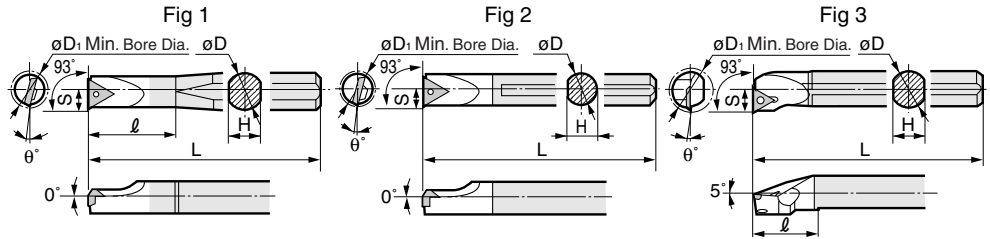


SEC-Boring Bars WBPT/WBPT-H Type

Finish to medium cut

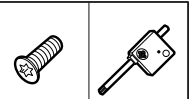


Carbide
Carbide
Long
Carbide
Short



Above figures show right hand tools.

Parts



Holder

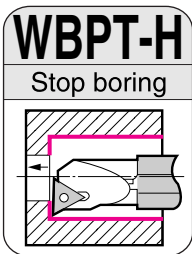
Right handed toolholders are applicable with **left handed** inserts.

Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock		øD ₁	Dimensions (mm)						Fig	Applicable Insert	Screw	Wrench			
			R	L		øD	H	L	S	ℓ	θ°							
Carbide Standard Length	WBPT-508 RS/LS	C08H-STUBR/L06	●	●	8	8	7	100	4	50	-12	1	TB □ □ 0601 ○ ○	BFTX0204A	TRX06			
	WBPT-508 RSK/LSK*	W08H-STUBR/L06K	●	●	8	6	5.7	100	4	—	-12	2		BFTX0204N				
	WBPT-608 RS/LS	C08H-STUPR/L08	●	●	10	8	7	100	5	18	-10	3	TP □ □ 0802 ○ ○	BFTX0204A				
	WBPT-210 RS/LS	C10K-STUPR/L11	●	●	12	10	9	125	6	19	-8			BFTX0306A				
	WBPT-212 RS/LS14	C12M-STUPR/L11-14	●	●	14	12	11	150	7	25	-7			BFTX0307A				
	WBPT-212 RS/LS	C12M-STUPR/L11	●	●	16	12	11	150	8	25	-6			BFTX0306A				
	WBPT-216 RS/LS18	C16R-STUPR/L11-18	●	●	18	16	15	200	9	30	-4			BFTX0307A				
	WBPT-216 RS/LS	C16R-STUPR/L11	●	●	20	16	15	200	10	30	-2			BFTX0306A				
	WBPT-220 RS/LS	C20S-STUPR/L11	●	●	22	20	18	250	11	35	-2			BFTX0307A				
WBPT-320 RS/LS	C20S-STUPR/L16	●	●	25	20	18	250	12.5	35	-3	TP □ □ 1604 ○ ○	BFTX0410A	TRX15					
Carbide Long Type	WBPT-508 R/L	C08M-STUBR/L06	●		8	8	7	150	4	50	-12	1	TB □ □ 0601 ○ ○	BFTX0204A	TRX06			
	WBPT-608 R/L	C08M-STUPR/L08	●		10	8	7	150	5	18	-10	3	TP □ □ 0802 ○ ○	BFTX0306A				
	WBPT-210 R/L	C10Q-STUPR/L11	●	●	12	10	9	180	6	19	-8				TP □ □ 1103 ○ ○	BFTX0307A		
	WBPT-212 R/L14	C12R-STUPR/L11-14	●		14	12	11	200	7	25	-7						BFTX0306A	
	WBPT-212 R/L	C12R-STUPR/L11	●		16	12	11	200	8	25	-6							BFTX0307A
	WBPT-216 R/L18	C16S-STUPR/L11-18	●		18	16	15	250	9	30	-4							
WBPT-216 R/L	C16S-STUPR/L11	●		20	16	15	250	10	30	-2	BFTX0307A							
Carbide Short Type	WBPT-216 RE/LE18	C16M-STUPR/L1103-18	●	●	18	16	15	150	9	30	-4	3	TP □ □ 1103 ○ ○	BFTX0306A				
	WBPT-216 RE/LE	C16M-STUPR/L1103-20	●	●	20	16	15	150	10	30	-2				BFTX0307A			
	WBPT-220 RE/LE	C20M-STUPR/L1103-22	●	●	22	20	18	150	11	35	12					BFTX0410A		
	WBPT-320 RE/LE	C20M-STUPR/L1604-25	●	●	25	20	18	150	12.5	35	-3						TRX15	

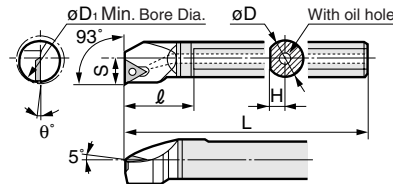
WBPT-508RSK/LSK requires the separately sold sleeve HBB616.
The actual product marked with an asterisk (*) is provided with ISO Cat. No.

	sleeve	stock
	HBB616	●

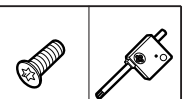
The sleeve is separately sold.



Carbide
Oil Hole



Parts



Holder

Right handed toolholders are applicable with **left handed** inserts.

Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock		øD ₁	Dimensions (mm)						Applicable Insert	Screw	Wrench
			R	øD ₁		øD	H	L	S	ℓ	θ°			
Carbide with oil hole	WBPT-608 RH	E08H-STUPR0802	●		10	8	3.5	100	5	18	-10	TP □ □ 0802 ○ ○	BFTX0204A	TRX06
	WBPT-210 RH	E10K-STUPR1103	●		12	10	4.5	125	6	19	-8			
	WBPT-212 RH14	E12M-STUPR1103-14	●		14	12	5.5	150	7	25	-7	TP □ □ 1103 ○ ○	BFTX0306A	TRX10
	WBPT-212 RH	E12M-STUPR1103	●		16	12	5.5	150	8	25	-6			
	WBPT-216 RH18	E16R-STUPR1103-18	●		18	16	7.5	200	9	30	-4			
	WBPT-216 RH	E16R-STUPR1103	●		20	16	7.5	200	10	30	-2			

SEC-Boring Bars BBPT/XBPT/WBPT(-H) Type

■ Insert ( Coated /  Cermet /  Carbide)

● 5° / 11° Relief G-Class

TBGT TPGT	FW	Stock	Dimensions (mm)		
			Inscribed circle	Thickness	Nose radius
ISO Cat. No.		T2000Z			
TBGT 060102R-FW		●			0.2
060102L-FW		●	3.97	1.59	0.2
060104R-FW		●			0.4
060104L-FW		●			0.4
TPGT 080202R-FW		●			0.2
080202L-FW		●	4.76	2.38	0.2
080204R-FW		●			0.4
080204L-FW		●			0.4

TBGT TPGT	FX	Stock	Dimensions (mm)		
			Inscribed circle	Thickness	Nose radius
ISO Cat. No.		ACZ310			
TBGT 060102R-FX		●			0.2
060102L-FX		●	3.97	1.59	0.2
060104R-FX		●			0.4
060104L-FX		●			0.4
TPGT 080202R-FX		●			0.2
080202L-FX		●	4.76	2.38	0.2
080204R-FX		●▲			0.4
080204L-FX		●			0.4
TPGT 110302R-FX		●			0.2
110302L-FX		●			0.2
110304R-FX		●	6.35	3.18	0.4
110304L-FX		●			0.4
110308R-FX		●			0.8
110308L-FX		●			0.8

TBGT TPGT	FY	Stock	Dimensions (mm)		
			Inscribed circle	Thickness	Nose radius
ISO Cat. No.		ACZ150			
TBGT 060101R-FY		●			0.1
060101L-FY		●			0.1
060102R-FY		●	3.97	1.59	0.2
060102L-FY		●			0.2
060104R-FY		●			0.4
060104L-FY		●			0.4
TPGT 0802003R-FY		●			0.03
0802003L-FY		●			0.03
080201R-FY		●			0.1
080201L-FY		●			0.1
080202R-FY		●	4.76	2.38	0.2
080202L-FY		●			0.2
080204R-FY		●			0.4
080204L-FY		●			0.4
TPGT 1103003R-FY		●			0.03
1103003L-FY		●			0.03
110301R-FY		●			0.1
110301L-FY		●			0.1
110302R-FY		●	6.35	3.18	0.2
110302L-FY		●			0.2
110304R-FY		●			0.4
110304L-FY		●			0.4
110308R-FY		●			0.8
110308L-FY		●			0.8

TBGT TPGT	W	Stock	Dimensions (mm)		
			Inscribed circle	Thickness	Nose radius
ISO Cat. No.		ACZ310			
TBGT 060102R-W		●			0.2
060102L-W		●	3.97	1.59	0.2
060104R-W		●			0.4
060104L-W		●			0.4
TPGT 080202R-W		●			0.2
080202L-W		●	4.76	2.38	0.2
080204R-W		●			0.4
080204L-W		●			0.4





● 11° Relief G-Class


TPGT	SD	Stock	Dimensions (mm)		
			Inscribed circle	Thickness	Nose radius
ISO Cat. No.		ACZ310			
TPGT 110302R-SD		●			0.2
110302L-SD		●			0.2
110304R-SD		●	6.35	3.18	0.4
110304L-SD		●			0.4
110308R-SD		●			0.8
110308L-SD		●			0.8
TPGT 160402R-SD		●			0.2
160402L-SD		●			0.2
160404R-SD		●	9.525	4.76	0.4
160404L-SD		●			0.4
160408R-SD		●			0.8
160408L-SD		●			0.8

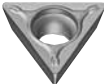


TPGX	SDW	Stock	Dimensions (mm)		
			Inscribed circle	Thickness	Nose radius
ISO Cat. No.		T3000Z			
TPGX 110304R-SDW		●			0.4
110304L-SDW		●	6.35	3.18	0.4
110308R-SDW		●			0.8
110308L-SDW		●			0.8


■ Insert ( Coated /  Cermet /  Carbide)


● 11° Relief M-Class


TPMT LU		Stock						Dimensions (mm)		
		AC700G	AC2000	AC630M	ACZ310	T3000Z	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
 TPMT 080202N-LU								4.76	2.38	0.2
 TPMT 080204N-LU										0.4
 TPMT 110302N-LU										0.2
TPMT 110304N-LU								6.35	3.18	0.4
TPMT 110308N-LU										0.8

TPMT FK		Stock						Dimensions (mm)		
		T1200A	T110A					Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
TPMT 160404N-FK								9.525	4.76	0.4
TPMT 160408N-FK										0.8

TPMT SU		Stock						Dimensions (mm)				
		AC2000	AC3000	AC610M	AC630M	ACZ310	T2000Z	T3000Z	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.												
 TPMT 080202N-SU										4.76	2.38	0.2
 TPMT 080204N-SU												0.4
TPMT 110302N-SU												0.2
TPMT 110304N-SU										6.35	3.18	0.4
TPMT 110308N-SU												0.8
TPMT 160404N-SU										9.525	4.76	0.4
TPMT 160408N-SU												0.8

TPMT MU		Stock						Dimensions (mm)		
		AC700G	AC2000	AC630M	AC410K	AC300G		Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
TPMT 110304N-MU								6.35	3.18	0.4
TPMT 110308N-MU										0.8
TPMT 160404N-MU								9.525	4.76	0.4
TPMT 160408N-MU										0.8

TPMH TPMT SF		Stock						Dimensions (mm)		
		AC2000	AC3000					Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
TPMH 110304N-SF								6.35	3.18	0.4
TPMH 110308N-SF										0.8
TPMT 160404N-SF								9.525	4.76	0.4
TPMT 160408N-SF										0.8

TPGW —		Stock						Dimensions (mm)		
		EH10Z	T110A	T1200A	G10E			Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
TPGW 080202								4.76	2.38	0.2
TPGW 080204										0.4
TPGW 110304								6.35	3.18	0.4
TPGW 110308										0.8
TPGW 160404								9.525	4.76	0.4

SEC-Boring Bars BBPT/XBPT/WBPT(-H) Type

■ Insert (SUMIBORON / SUMIDIA)

● 5° / 11° Relief E/G-Class

● SUMIBORON One-use Type

(● : 1 pc pack stock, ⊙ : 1 pc and 10 pc pack stock)

NU-TBEW NU-TPGW		Stock						Dimensions (mm)		
		BNX10	BNX20	BNX25	BN250	BN350	BN500	BN700	Inscribed circle	Thickness
ISO Cat. No.										
NU-TBEW 060102F		-	-	-	-	-	-	3.97	1.59	0.2
060102S		-	●	-	-	-	-			0.2
NU-TPGW 080202		⊙	-	-	⊙	-	●	4.76	2.38	0.2
080204		-	-	-	-	-	-			0.4
080208		-	-	-	-	-	-			0.8
080204F		-	-	-	-	-	-			0.4
080202S		-	-	-	-	-	-			0.2
080204S		-	-	-	-	-	-			0.4
080202M		-	-	-	-	-	-			0.2
080204M		-	-	-	-	-	-			0.4
080208M		-	-	-	-	-	-	0.8		
NU-TPGW 110302		⊙	⊙	-	⊙	-	●	6.35	3.18	0.2
110304		⊙	⊙	-	⊙	-	●			0.4
110308		⊙	⊙	-	⊙	-	●			0.8
NS-TPGW 110304		-	-	⊙	-	-	-			0.4
110308		-	-	-	-	-	-			0.8
NU-TPGW 110302F		-	-	-	-	-	-			0.2
110304F		-	-	-	-	-	-			0.4
110308F		-	-	-	-	-	-			0.8
110302S		-	-	●	-	-	-	0.2		
110304S		-	-	-	-	-	-	0.4		
110308S		-	-	-	-	-	-	0.8		
110302M		-	-	-	-	-	-	0.2		
110304M		-	-	-	-	-	-	0.4		
110308M		-	-	-	-	-	-	0.8		
NU-TPGW 160404		⊙	⊙	-	⊙	-	●	9.525	4.76	0.4
160408		⊙	⊙	-	⊙	-	●			0.8
NS-TPGW 160404		-	-	⊙	-	-	-			0.4
160408		-	-	-	-	-	-			0.8
NU-TPGW 160404F		-	-	-	-	-	-			0.4
160404S		-	-	-	-	-	-			0.4
160408S		-	-	-	-	-	-			0.8
160404M		-	-	-	-	-	-			0.4
160408M		-	-	-	-	-	-	0.8		

* F: for sintered component and cast iron machining S: for fine boring of hardened steel M : Continuous cutting

● Coated SUMIBORON One-use Type/Multi corner

3NC-TPGW		Stock				Dimensions (mm)		
		BNC80	BNC100	BNC200	BNC300	Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
3NC-TPGW 110304		●	●	●	●	6.35	3.18	0.4
110308		●	●	●	●			0.8
3NC-TPGW 160404		●	●	●	●	9.525	4.76	0.4
160408		●	●	●	●			0.8

● SUMIBORON

TPGW		Stock		Dimensions (mm)		
		BNX20	BN700	Inscribed circle	Thickness	Nose radius
ISO Cat. No.						
TPGW 110304		●	●	6.35	3.18	0.4
110308		●	●			0.8
TPGW 160404		●	●	9.525	4.76	0.4
160408		●	●			0.8

● 5° / 11° Relief M/G-Class

● SUMIDIA (NF Type)

NF-TBGW NF-TPGW		Stock				Dimensions (mm)		
		DA2200				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NF-TBGW 060102		●				3.97	1.59	0.2
060104		●						0.4
NF-TPGW 080201		●						4.76
080202		●				0.2		
080204		●				0.4		
NF-TPGW 110301		●				6.35	3.18	
110302		●						0.2
110304		●						0.4
110308		●						0.8
NF-TPGW 160401		●						9.525
160402		●				0.2		
160404		●				0.4		
160408		●				0.8		

● SUMIDIA (NF Type)

NF-TPMT		Stock				Dimensions (mm)		
		DA2200				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NF-TPMT 110301		●				6.35	3.18	0.1
110302		●						0.2
110304		●						0.4
110308		●						0.8

● SUMIDIA (Break Master)

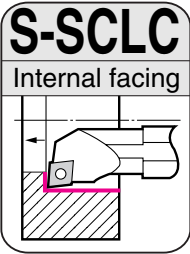
NU-TPMT DM		Stock				Dimensions (mm)		
		DA150				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NU-TPMT 080202L-DM		●				4.76	2.38	0.2
080204L-DM		●						0.4
NU-TPMT 110302L-DM		●				6.35	3.18	0.2
110304L-DM		●						0.4
NU-TPMT 160402L-DM		▲				9.525	4.76	0.2
160404L-DM		▲						0.4

● SUMIDIA

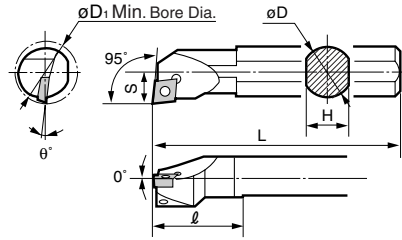
TBGW TPGW		Stock				Dimensions (mm)		
		DA150	DA200			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
TBGW 060102		●				3.97	1.59	0.2
060104		●						0.4
TPGW 080202		●				4.76	2.38	0.2
080204		●						0.4
TPGW 110300			▲			6.35	3.18	0.05
110302		●	▲					0.2
110304		●	▲					0.4
110308		●	▲					0.8
TPGW 160402		●	▲			9.525	4.76	0.2
160404		●	▲					0.4
160408		●	▲					0.8

SEC-Boring Bars S-SCLC/B-SCLC Type

Finish to medium cut



Steel



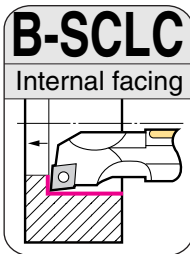
Parts

CC □ □ 0602 ○ ○	BFTX02505N BFTX02506N BFTX02506N	TRX08
CC □ □ 09T3 ○ ○	BFTX0407N BFTX0409N	TRX15
CC □ □ 1204 ○ ○	BFTX0511N	TRX20

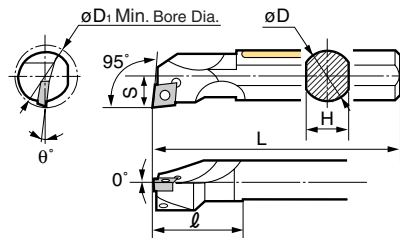
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert	Screw	Wrench
		R	L		ϕD	H	L	S	ℓ	θ°			
Steel	S08H-SCLC R/L06	●	●	10	8	7	100	5.5	19	-13	CC □ □ 0602 ○ ○	BFTX02505N	TRX08
	S10K-SCLC R/L06-12	●	●	12	10	9	125	6	21	-12		BFTX02506N	
	S10K-SCLC R/L06	●	●	13	10	9	125	7	21	-12		BFTX02506N	
	S12M-SCLC R/L06-14	●	●	14	12	11	150	7	25	-10	CC □ □ 09T3 ○ ○	BFTX0407N	TRX15
	S12M-SCLC R/L06	●	●	16	12	11	150	9	25	-10		BFTX0409N	
	S16R-SCLC R/L09	●	●	20	16	15	200	11	30	-8	CC □ □ 1204 ○ ○	BFTX0511N	TRX20
	S20S-SCLC R/L09	●	●	25	20	18	250	13	30	-7			
	S25T-SCLC R/L12	●	●	32	25	23	300	17	38	-6			



Anti-vibration



Parts

CC □ □ 0602 ○ ○	BFTX02505N BFTX02506N BFTX02506N	TRX08
CC □ □ 09T3 ○ ○	BFTX0407N BFTX0409N	TRX15
CC □ □ 1204 ○ ○	BFTX0511N	TRX20

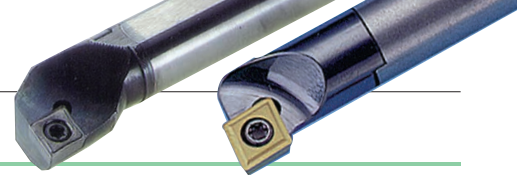
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

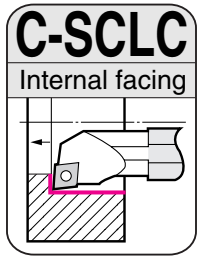
Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert	Screw	Wrench
		R	L		ϕD	H	L	S	ℓ	θ°			
Anti-vibration	B08H-SCLC R/L0602-10	●	●	10	8	7	100	5.5	19	-13	CC □ □ 0602 ○ ○	BFTX02505N	TRX08
	B10K-SCLC R/L0602-12	●	●	12	10	9	125	6	21	-12		BFTX02506N	
	B12M-SCLC R/L0602-14	●	●	14	12	11	150	7	25	-10		BFTX02506N	
	B16R-SCLC R/L09T3-20	●	●	20	16	15	200	11	30	-8	CC □ □ 09T3 ○ ○	BFTX0407N	TRX15
	B20S-SCLC R/L09T3-25	●	●	25	20	18	250	13	30	-7		BFTX0409N	
	B25T-SCLC R/L1204-32	●	●	32	25	23	300	17	38	-6	CC □ □ 1204 ○ ○	BFTX0511N	TRX20

Boring Bars

SEC-Boring Bars C-SCLC/E-SCLC Type



Finish to medium cut



Carbide

Fig 1

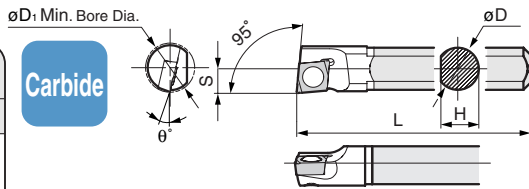
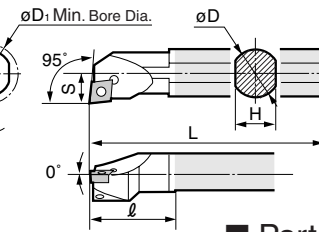


Fig 2



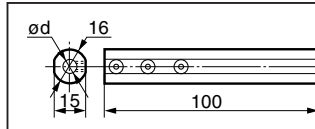
Parts

Holder

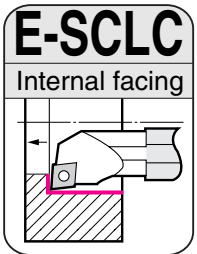
Right handed toolholders are applicable with **left handed** inserts.

Shank	Sumitomo Cat. No.	Stock R	ϕD_1	Dimensions (mm)						Fig	Applicable Insert	Screw	Wrench
				ϕD	H	L	S	ℓ	θ°				
Carbide	* C04G-SCLC R03X1-05	●	5	4	3.8	90	2.5	-	-15	1	CC □□ 03X1 ○○	BFTX016033	TRX06
	* C05H-SCLC R03X1-06	●	6	5	4.4	100	3	-	-13		CC □□ 04X1 ○○	BFTX0203N	
	* C06J-SCLC R04X1-07	●	7	6	5.4	110	3.5	-	-13				
	* C07K-SCLC R04X1-08	●	8	7	6.4	125	4	-	-11	2			TRX08
	C08H-SCLC R06	●	10	8	7	100	5.5	19	-13		CC □□ 0602 ○○	BFTX02505N	
	C10K-SCLC R06-12	●	12	10	9	125	6	21	-12		BFTX02506N		
	C10K-SCLC R06	●	13	10	9	125	7	21	-12		BFTX02506N		
	C12M-SCLC R06-14	●	14	12	11	150	7	25	-10		BFTX02506N		
	C12M-SCLC R06	●	16	12	11	150	9	25	-10		BFTX0407N	TRX15	
	C16R-SCLC R09	●	20	16	15	200	11	30	-8		BFTX0409N		
C20S-SCLC R09	●	25	20	18	250	13	35	-7					

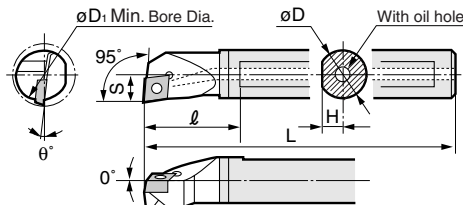
*Requires the separately sold sleeve.



Sleeve	Stock	ϕd	Applicable Bar
HBB416	●	4	C04G-SCLC R03X1-05
HBB516	●	5	C05H-SCLC R03X1-06
HBB616	●	6	C06J-SCLC R04X1-07
HBB716	●	7	C07K-SCLC R04X1-08



Carbide
Oil Hole



Parts

Holder

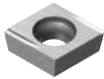
Right handed toolholders are applicable with **left handed** inserts.


Shank	Sumitomo Cat. No.	Stock R	ϕD_1	Dimensions (mm)						Fig	Applicable Insert	Screw	Wrench
				ϕD	H	L	S	ℓ	θ°				
Carbide With oil hole	E08H-SCLC R06	●	10	8	3.5	100	5.5	18	-13	1	CC □□ 0602 ○○	BFTX02505N	TRX08
	E10K-SCLC R06	●	13	10	4.5	125	7	19	-12		BFTX02506N		
	E12M-SCLC R06	●	16	12	5.5	150	9	25	-10		BFTX02506N		
	E16R-SCLC R09	●	20	16	7.5	200	11	30	-8		CC □□ 09T3 ○○	BFTX0407N	

SEC-Boring Bars SCLC Type


■ Insert (Coated / Cermet / Carbide)

● 7° Relief E-Class

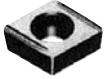
CCET FX		Stock				Dimensions (mm)		
		ACZ150				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
<i>New</i> CCET 0602003R-FX		●				6.35	2.38	0.03
<i>New</i> 0602003L-FX		●						0.03
<i>New</i> 060201R-FX		●						0.1
<i>New</i> 060201L-FX		●						0.1
<i>New</i> 060202R-FX		●						0.2
<i>New</i> 060202L-FX		●						0.2
<i>New</i> 060204R-FX		●						0.4
<i>New</i> 060204L-FX		●				0.4		
<i>New</i> CCET 09T3003R-FX		●				9.525	3.97	0.03
<i>New</i> 09T3003L-FX		●						0.03
<i>New</i> 09T301R-FX		●						0.1
<i>New</i> 09T301L-FX		●						0.1
<i>New</i> 09T302R-FX		●						0.2
<i>New</i> 09T302L-FX		●						0.2
<i>New</i> 09T304R-FX		●						0.4
<i>New</i> 09T304L-FX		●				0.4		

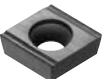
CCET FY		Stock			Dimensions (mm)		
		ACZ150	ACZ310	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.							
<i>New</i> CCET 03X1003R-FY		●			3.5	1.4	0.03
<i>New</i> 03X1003L-FY		●	●				0.03
<i>New</i> 03X101R-FY		●					0.1
<i>New</i> 03X101L-FY		●	●				0.1
<i>New</i> 03X102R-FY		●	●				0.2
<i>New</i> 03X102L-FY		●	●				0.2
<i>New</i> 03X104R-FY		●	●				0.4
<i>New</i> 03X104L-FY		●	●		0.4		
<i>New</i> CCET 04X1003R-FY		●			4.76	1.8	0.03
<i>New</i> 04X1003L-FY		●	●				0.03
<i>New</i> 04X101R-FY		●					0.1
<i>New</i> 04X101L-FY		●	●				0.1
<i>New</i> 04X102R-FY		●	●				0.2
<i>New</i> 04X102L-FY		●	●				0.2
<i>New</i> 04X104R-FY		●	●				0.4
<i>New</i> 04X104L-FY		●	●		0.4		
<i>New</i> CCET 0602003R-FY		●			6.35	2.38	0.03
<i>New</i> 0602003L-FY		●					0.03
<i>New</i> 060201R-FY		●					0.1
<i>New</i> 060201L-FY		●					0.1
<i>New</i> 060202R-FY		●					0.2
<i>New</i> 060202L-FY		●					0.2
<i>New</i> 060204R-FY		●					0.4
<i>New</i> 060204L-FY		●			0.4		
<i>New</i> CCET 09T3003R-FY		●			9.525	3.97	0.03
<i>New</i> 09T3003L-FY		●					0.03
<i>New</i> 09T301R-FY		●					0.1
<i>New</i> 09T301L-FY		●					0.1
<i>New</i> 09T302R-FY		●					0.2
<i>New</i> 09T302L-FY		●					0.2
<i>New</i> 09T304R-FY		●					0.4
<i>New</i> 09T304L-FY		●			0.4		


● 7° Relief G-Class


CCGT FC		Stock		Dimensions (mm)		
		ACZ150	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.						
<i>New</i> CCGT 060201N-FC		●	●	6.35	2.38	0.1
<i>New</i> 060202N-FC		●	●			0.2
<i>New</i> 060204N-FC		●	●			0.4
<i>New</i> CCGT 09T301N-FC		●	●	9.525	3.97	0.1
<i>New</i> 09T302N-FC		●	●			0.2
<i>New</i> 09T304N-FC		●	●			0.4

● 7° Relief G-Class

CCGT FX		Stock					Dimensions (mm)		
		ACZ310	EH10Z	T200Z	T110A	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
<i>New</i> CCGT 0602003R-FX		●					6.35	2.38	0.03
<i>New</i> 0602003L-FX		●							0.03
<i>New</i> 060201R-FX		●							0.1
<i>New</i> 060201L-FX		●							0.1
<i>New</i> 060202R-FX		●	●						0.2
<i>New</i> 060202L-FX		●	●	●					0.2
<i>New</i> 060204R-FX		●	●						0.4
<i>New</i> 060204L-FX		●	●	●			0.4		
<i>New</i> CCGT 09T3003R-FX		●					9.525	3.97	0.03
<i>New</i> 09T3003L-FX		●							0.03
<i>New</i> 09T301R-FX		●							0.1
<i>New</i> 09T301L-FX		●							0.1
<i>New</i> 09T302R-FX		●							0.2
<i>New</i> 09T302L-FX		●							0.2
<i>New</i> 09T304R-FX		●	●	▲					0.4
<i>New</i> 09T304L-FX		●	●	▲			0.4		
<i>New</i> 09T308R-FX		●	●				0.8		
<i>New</i> 09T308L-FX		●	●				0.8		

CCGT FZ		Stock			Dimensions (mm)		
		ACZ310			Inscribed circle	Thickness	Nose radius
ISO Cat. No.							
<i>New</i> CCGT 0602003R-FZ		●			6.35	2.38	0.03
<i>New</i> 0602003L-FZ		●					0.03
<i>New</i> 060201R-FZ		●					0.1
<i>New</i> 060201L-FZ		●					0.1
<i>New</i> 060202R-FZ		●					0.2
<i>New</i> 060202L-FZ		●					0.2
<i>New</i> 060204R-FZ		●					0.4
<i>New</i> 060204L-FZ		●			0.4		
<i>New</i> CCGT 09T3003R-FZ		●			9.525	3.97	0.03
<i>New</i> 09T3003L-FZ		●					0.03
<i>New</i> 09T301R-FZ		●					0.1
<i>New</i> 09T301L-FZ		●					0.1
<i>New</i> 09T302R-FZ		●					0.2
<i>New</i> 09T302L-FZ		●					0.2
<i>New</i> 09T304R-FZ		●					0.4
<i>New</i> 09T304L-FZ		●			0.4		

CCGT SC		Stock				Dimensions (mm)		
		ACZ150	ACZ310	T110A	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
<i>New</i> CCGT 0602003N-SC		●	●			6.35	2.38	0.03
<i>New</i> 060201N-SC		●	●	●	0.1			
<i>New</i> 060202N-SC		●	●	●	0.2			
<i>New</i> CCGT 09T3003N-SC		●	●			9.525	3.97	0.03
<i>New</i> 09T301N-SC		●	●	●	0.1			
<i>New</i> 09T302N-SC		●	●	●	0.2			


CCGT AG		Stock			Dimensions (mm)		
		H1			Inscribed circle	Thickness	Nose radius
ISO Cat. No.							
<i>New</i> CCGT 060202N-AG		●			6.35	2.38	0.2
<i>New</i> 060204N-AG		●					0.4
<i>New</i> CCGT 09T302N-AG		●			9.525	3.97	0.2
<i>New</i> 09T304N-AG		●					0.4
<i>New</i> 09T308N-AG		●					0.8


▲ mark : To be replaced by new item (Please confirm stock availability)


SEC-Boring Bars SCLC Type


■ Insert (Coated / Cermet)


● 7° Relief M-Class


CCMT LU		Stock						Dimensions (mm)		
		AC700G	AC2000	AC630M	ACZ310	T3000Z	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
CCMT 060202N-LU		●	●	●	●	●	●	6.35	2.38	0.2
060204N-LU		●	●	●	●	●	●	6.35	2.38	0.4
CCMT 09T304N-LU		●	●	●	●	●	●	9.525	3.97	0.4
09T308N-LU		●	●	●	●	●	●	9.525	3.97	0.8


CCMT LUW		Stock						Dimensions (mm)		
		AC700G	AC2000	AC630M	T3000Z			Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
CCMT 09T304N-LUW		●	●	●	●			9.525	3.97	0.4
09T308N-LUW		●	●	●	●			9.525	3.97	0.8

CCMT FP		Stock						Dimensions (mm)		
		T1200A						Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
CCMT 060208N-FP		●						6.35	2.38	0.8
CCMT 09T302N-FP		●						9.525	3.97	0.2
CCMT 120404N-FP		●						12.7	4.76	0.4
120408N-FP		●						12.7	4.76	0.8

CCMT SU		Stock								Dimensions (mm)			
		AC2000	AC3000	AC610M	AC630M	ACZ310	T2000Z	T3000Z	T110A	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.													
CCMT 060202N-SU		●	●	●	●	●	●	●	●	●	6.35	2.38	0.2
060204N-SU		●	●	●	●	●	●	●	●	●	6.35	2.38	0.4
060208N-SU		●	●	●	●	●	●	●	●	●	6.35	2.38	0.8
CCMT 09T302N-SU		●	●	●	●	●	●	●	●	●	9.525	3.97	0.2
09T304N-SU		●	●	●	●	●	●	●	●	●	9.525	3.97	0.4
09T308N-SU		●	●	●	●	●	●	●	●	●	9.525	3.97	0.8
CCMT 120404N-SU		●	●	●	●	●	●	●	●	●	12.7	4.76	0.4
120408N-SU		●	●	●	●	●	●	●	●	●	12.7	4.76	0.8

CCMT SC		Stock						Dimensions (mm)		
		AC2000						Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
CCMT 060204N-SC		●						6.35	2.38	0.4
120408N-SC		●						12.7	4.76	0.8

CCMT MU		Stock						Dimensions (mm)		
		AC700G	AC2000	AC3000	AC630M	AC410K	AC300G	Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
CCMT 09T304N-MU		●	●	●	●	○	●	9.525	3.97	0.4
09T308N-MU		●	●	●	●	○	●	9.525	3.97	0.8

CCMW —		Stock						Dimensions (mm)		
		AC700G	AC410K	AC300G				Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
CCMW 060204		●	○	▲				6.35	2.38	0.4
CCMW 09T304		●	○	●				9.525	3.97	0.4
09T308		●	○	●				9.525	3.97	0.8

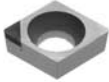
SEC-Boring Bars SCLC Type

■ Insert (SUMIBORON / SUMIDIA)


● 7° Relief G-Class

● SUMIBORON One-use Type

(●: 1 pc pack stock, ◎: 1 pc and 10 pc pack stock)

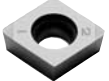
NU- CCEW		Stock				Dimensions (mm)		
		BNX20	BN700			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NU-CCEW 03X102F			●			3.5	1.4	0.2
New 03X104F								0.4
03X102S		●						0.2
New 03X104S		●				0.4		
NU-CCEW 04X102F			●			4.76	1.8	0.2
New 04X104F								0.4
04X102S		●						0.2
New 04X104S		●				0.4		

※ F: for Sintered Component and Cast Iron machining S: for fine boring of hardened steel

NU- CCGW		Stock				Dimensions (mm)		
		BN250	BN700			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NU-CCGW 060202		◎				6.35	2.38	0.2
060204		◎	●					0.4
New 060202M		●						0.2
New 060204M		●						0.4
060208M		●				0.8		
NU-CCGW 09T302		◎				9.525	3.97	0.2
09T304		◎	●					0.4
New 09T302M		●						0.2
New 09T304M		●						0.4
New 09T308M		●						0.8

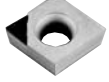
※ M : Continuous cutting

● Coated SUMIBORON One-use Type/Multi-corner

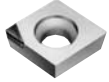
2NC- CCGW		Stock				Dimensions (mm)		
		BNC80	BNC100	BNC200	BNC300	Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
2NC-CCGW 060202				●		6.35	2.38	0.2
060204				●				0.4
2NC-CCGW 09T302		●	●	●		9.525	3.97	0.2
09T304		●	●	●				0.4
09T308		●	●	●				0.8

● 7° Relief M-Class

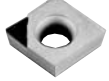
● SUMIDIA (NF Type)

NF- CCMT		Stock				Dimensions (mm)		
		DA2200				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NF-CCMT 060201		●				6.35	2.38	0.1
060202		●						0.2
060204		●						0.4
NF-CCMT 09T301		●				9.525	3.97	0.1
09T302		●						0.2
09T304		●						0.4
09T308		●						0.8

● SUMIDIA (Break Master)

NU- CCMT		Stock				Dimensions (mm)		
		DA150				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NU-CCMT 060202R-DM		●				6.35	2.38	0.2
060202L-DM		●						0.2
060204R-DM		●						0.4
060204L-DM		●				0.4		
NU-CCMT 09T302R-DM		●				9.525	3.97	0.2
09T302L-DM		●						0.2
09T304R-DM		●						0.4
09T304L-DM		●						0.4

● SUMIDIA

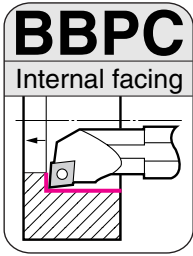
CCMT		Stock				Dimensions (mm)		
		DA150	DA2200			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
CCMT 060201		●	▲			6.35	2.38	0.1
060202		●	▲					0.2
060204		●	▲					0.4
CCMT 09T301		●	▲			9.525	3.97	0.1
09T302		●	▲					0.2
09T304		●	▲					0.4

▲ mark : To be replaced by new item (Please confirm stock availability)

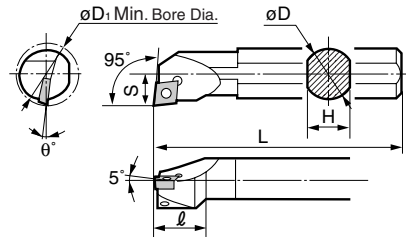
SEC-Boring Bars BBPC/XBPC(-H)/WBPC Type



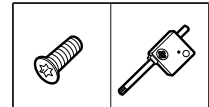
Finish to medium cut



Steel



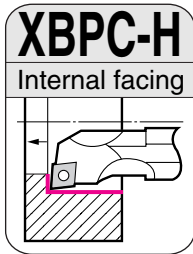
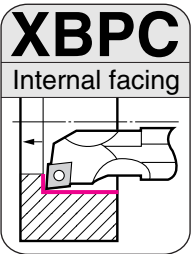
Parts



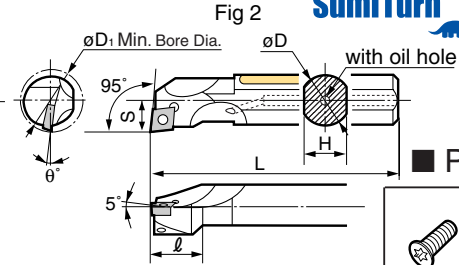
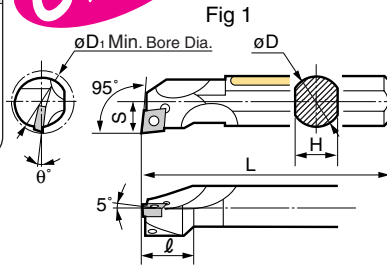
Holder

Above figures show right hand tools.

Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock			Dimensions (mm)						Applicable Insert	Screw	Wrench
			R	L	θD_1	θD	H	L	S	l	θ°			
Steel	BBPC-010 R/L	S10K-SCLPR/L08	●	●	12	10	9	125	6	12	-5	CP □□0802□□	BFTX0305A	TRX10
	BBPC-012 R/L14	S12M-SCLPR/L08-14	●	●	14	12	11	150	7	10.6	-5			
	BBPC-012 R/L	S12M-SCLPR/L08	●	●	16	12	11	150	8	15	-3			
	BBPC-316 R/L18	S16R-SCLPR/L09-18	●	●	18	16	15	200	9	18	-4	CP □□0903□□	BFTX0407A	TRX15
	BBPC-316 R/L	S16R-SCLPR/L09	●	●	20	16	15	200	10	18	-3			
	BBPC-320 R/L22	S20S-SCLPR/L09-22	●	●	22	20	18	250	11	18	-2			
	BBPC-320 R/L	S20S-SCLPR/L09	●	●	25	20	18	250	12.5	18	0			
	BBPC-425 R/L	S25T-SCLPR/L12	●	●	28	25	22	300	14	17.4	-2	CP □□1204□□	BFTX0509A	TRX20

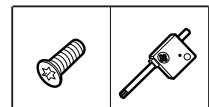


New



SumiTurn **EXCS Bar**

Parts



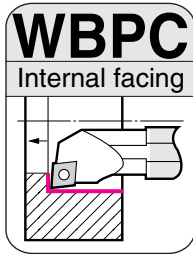
Anti-vibration

Anti-vibration with oil hole

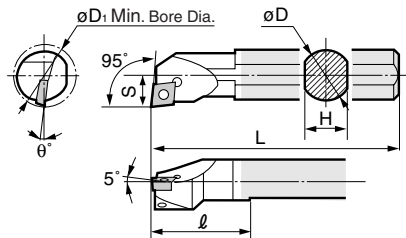
Holder

Above figures show right hand tools.

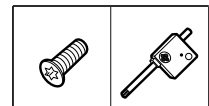
Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock			Dimensions (mm)						Fig	Applicable Insert	Screw	Wrench
			R	L	θD_1	θD	H	L	S	l	θ°				
Anti-vibration	XBPC-012 R/L14	B12M-SCLPR/L0802-14	●	●	14	12	11	150	7	10.6	-5	1	CP □□0802□□	BFTX0305A	TRX10
	XBPC-316 R/L18	B16R-SCLPR/L0903-18	●	●	18	16	15	200	9	18	-4				
	XBPC-320 R/L22	B20S-SCLPR/L0903-22	●	●	22	20	18	250	11	18	-2				
Anti-vibration with oil hole	XBPC-012 R/L H14	D12M-SCLPR/L0802-14	●	●	14	12	11	150	7	10.6	-5	2	CP □□0802□□	BFTX0305A	TRX10
	XBPC-316 R/L H18	D16R-SCLPR/L0903-18	●	●	18	16	15	200	9	18	-4				
	XBPC-320 R/L H22	D20S-SCLPR/L0903-22	●	●	22	20	18	250	11	18	-2				



Carbide



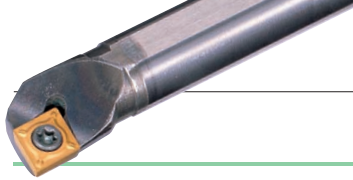
Parts



Holder

Above figures show right hand tools.


Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock			Dimensions (mm)						Applicable Insert	Screw	Wrench
			R	L	θD_1	θD	H	L	S	l	θ°			
Carbide	WBPC-010 RS/LS	C10K-SCLPR/L08	●	●	12	10	9	125	6	19	-5	CP □□0802□□	BFTX0305A	TRX10
	WBPC-012 RS/LS14	C12M-SCLPR/L08-14	●	●	14	12	11	150	7	25	-5			
	WBPC-012 RS/LS	C12M-SCLPR/L08	●	●	16	12	11	150	8	25	-3			
	WBPC-316 RS/LS18	C16R-SCLPR/L09-18	●	●	18	16	15	200	9	30	-4	CP □□0903□□	BFTX0407A	TRX15
	WBPC-316 RS/LS	C16R-SCLPR/L09	●	●	20	16	15	200	10	30	-3			




SEC-Boring Bars BBPC/XBPC/WBPC Type

■ Insert (Coated / Cermet / Carbide / SUMIBORON / SUMIDIA)

● 11° Relief G-Class


CPGT SD		Stock					Dimensions (mm)		
		EH10Z	T2000Z	T3000Z	T1200A	T110A	G10E	Inscribed circle	Thickness
ISO Cat. No.									
CPGT 080202N-SD		●					7.94	2.38	0.2
080204N-SD		●	●						0.4
080208N-SD		●	●	●					0.8
CPGT 090302N-SD		●					9.525	3.18	0.2
090304N-SD		●	●						0.4
090308N-SD		●	●	●					0.8
CPGT 120402N-SD		●					12.70	4.76	0.2
120404N-SD		●	●						0.4
120408N-SD		●	●	●					0.8


● SUMIBORON One-use Type


NU-CPGW		Stock					Dimensions (mm)		
		BN250					Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
NU-CPGW 080202		●					7.94	2.38	0.2
080204		●							0.4
080208		●	●						0.8
080202M		●							0.2
080204M		●							0.4
080208M		●	●						0.8
NU-CPGW 090302		●					9.525	3.18	0.2
090304		●							0.4
090308		●	●						0.8
090302M		●							0.2
090304M		●							0.4
090308M		●	●						0.8

※ M : Continuous cutting


● 11° Relief M-Class


CPMT LU		Stock					Dimensions (mm)		
		AC700G	AC2000	AC630M	T3000Z	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
CPMT 080204N-LU		●	●				7.94	2.38	0.4
CPMT 090304N-LU		●	●	●			9.525	3.18	0.4
090308N-LU		●	●	●					0.8


CPMT LUW		Stock					Dimensions (mm)		
		AC700G	AC2000	AC630M	T3000Z		Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
CPMT 090304N-LUW		●	●	●			9.525	3.18	0.4
090308N-LUW		●	●	●					0.8


CPMT SU		Stock					Dimensions (mm)		
		AC2000	AC3000	AC610M	AC630M	T2000Z	T1200A	Inscribed circle	Thickness
ISO Cat. No.									
CPMT 080204N-SU		●	●	●			7.94	2.38	0.4
080208N-SU		●	●	●					0.8
CPMT 090304N-SU		●	●	●			9.525	3.18	0.4
090308N-SU		●	●	●					0.8

● 11° Relief M-Class


CPMT CPMH		Stock					Dimensions (mm)		
		AC720	AC630M	A30			Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
CPMT 080208N-SS		▲	●				7.94	2.38	0.8
CPMH 090308N-SS		▲	●	●			9.525	3.18	0.8

CPMH US		Stock					Dimensions (mm)		
		AC720	AC630M	A30	G10E		Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
CPMH 090308N-US		▲	●	●			9.525	3.18	0.8
120408N-US		▲	●	●	●		12.7	4.76	0.8


CPMT MU		Stock					Dimensions (mm)		
		AC700G	AC2000	AC630M	AC410K	AC300G	Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
CPMT 080204N-MU		●	●	●	○	●	7.94	2.38	0.4
080208N-MU		●	●	●	○	▲			0.8
CPMT 090304N-MU		●	●	●	○	●	9.525	3.18	0.4
090308N-MU		●	●	●	○	●			0.8

CPMW		Stock					Dimensions (mm)		
		AC700G	AC410K	AC300G			Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
CPMW 080204		●	○	▲			7.94	2.38	0.4
080208		▲	○	▲					0.8
CPMW 090304		●	○	●			9.525	3.18	0.4
090308		▲	○	●					0.8

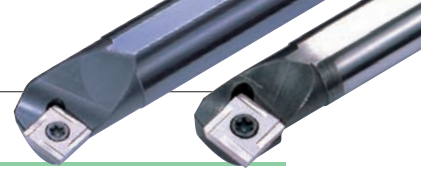
● SUMIDIA (NF Type)

NF-CPMT		Stock					Dimensions (mm)		
		DA2200					Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
NF-CPMT 090302		●					9.525	3.18	0.2
090304		●							0.4
090308		●							0.8

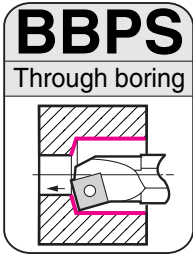
● SUMIDIA

CPMT		Stock					Dimensions (mm)		
		DA2200					Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
CPMT 080202		●					7.94	2.38	0.2
080204		●							0.4
080208		●							0.8
CPMT 090302		▲					9.525	3.18	0.2
090304		▲							0.4
090308		▲							0.8

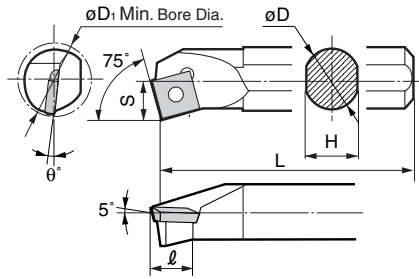
SEC-Boring Bars BBPS/WBPS Type



General boring



Steel



Parts

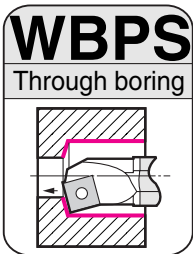
Screw	Wrench
SP □□ 0903 □□	BFTX0307A TRX10

Holder

Right handed toolholders are applicable with **left handed** inserts.

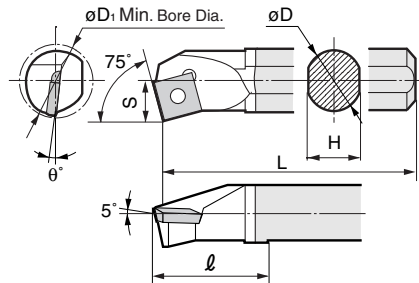
Above figures show right hand tools.

Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock		øD ₁	Dimensions (mm)						Applicable Insert	Screw	Wrench
			R	L		øD	H	L	S	ℓ	θ°			
Steel	BBPS-312 R/L	S12M-SSKPR/L09	●	●	16	12	11	150	8	9	-6	SP □□ 0903 □□	BFTX0307A	TRX10
	BBPS-316 R/L	S16R-SSKPR/L09	●	●	20	16	15	200	10	6.8	-4			
	BBPS-320 R/L	S20S-SSKPR/L09	●	●	25	20	18	250	12.5	8.5	-2			
	BBPS-325 R/L	S25T-SSKPR/L09	●	●	28	25	22	300	14	5	0			



Carbide

Carbide
Long



Parts

Screw	Wrench
SP □□ 0903 □□	BFTX0307A TRX10

Holder

Right handed toolholders are applicable with **left handed** inserts.

Above figures show right hand tools.

Shank	Sumitomo Cat. No.	ISO Cat. No.	Stock		øD ₁	Dimensions (mm)						Applicable Insert	Screw	Wrench
			R	L		øD	H	L	S	ℓ	θ°			
Carbide	WBPS-312 RS	C12M-SSKPR09	●	●	16	12	11	150	8	25	-6	SP □□ 0903 □□	BFTX0307A	TRX10
Carbide	WBPS-312 R	C12R-SSKPR09	●	●	16	12	11	200	8	25	-6			
Carbide (long)	WBPS-316 R	C16S-SSKPR09	●	●	20	16	15	250	10	30	-4			

Insert (Coated / Cermet / Carbide)

● 11° Relief G-Class

SPGT SD		Stock					Dimensions (mm)		
		T2000Z	T3000Z	T110A	T1200A	G10E	Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
SPGT 090302R-SD					●				0.2
090302L-SD		●							0.2
090304R-SD					●				0.4
090304L-SD		●	●	●	●	●	9.525	3.18	0.4
090308R-SD				▲	●				0.8
090308L-SD		●	●		●				0.8

SPGW		Stock					Dimensions (mm)		
		T2000Z	T3000Z	T110A	T1200A	G10E	Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
SPGW 090304		●					9.525	3.18	0.4

● 11° Relief M-Class

SPMT LU		Stock				Dimensions (mm)			
		AC700G	AC2000	AC630M	T3000Z	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
SPMT 090304N-LU		●	●	●	●		9.525	3.18	0.4
090308N-LU		●	●	●	●		9.525	3.18	0.8

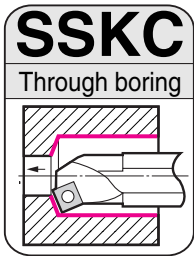
SPMH SS		Stock			Dimensions (mm)				
		AC720	AC630M		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.									
SPMH 090308N-SS		▲	●				9.525	3.18	0.8

SPMH US		Stock			Dimensions (mm)				
		AC720	AC630M	A30	Inscribed circle	Thickness	Nose radius		
ISO Cat. No.									
SPMH 090308N-US		▲	●	●			9.525	3.18	0.8

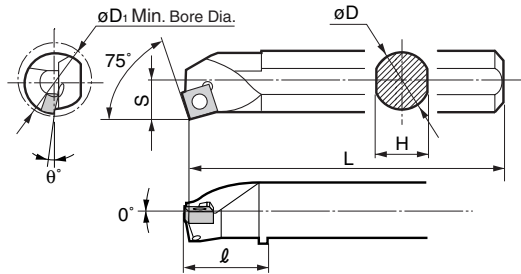
SPMT SF		Stock			Dimensions (mm)				
		AC2000	AC3000		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.									
SPMT 090304N-SF		●	●				9.525	3.18	0.4
090308N-SF		●	●				9.525	3.18	0.8

SEC-Boring Bars SSKC Type

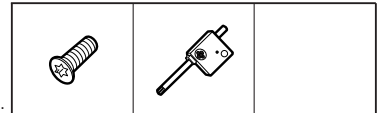
General boring



Steel



Parts



Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		øD ₁	Dimensions (mm)						Applicable Insert	Screw	Wrench
		R	L		øD	H	L	S	l	θ°			
Steel	S16R-SSKC R/L09	●	●	20	16	15	200	11	23	-10	SC □ □ 09T3 ○ ○	BFTX0407N	TRX15
	S20S-SSKC R/L09	●	●	25	20	18	250	13	27	-8		BFTX0409N	
	S25T-SSKC R/L12	●	●	32	25	23	300	17	30	-7	SC □ □ 1204 ○ ○	BFTX0511N	TRX20
	S32U-SSKC R/L12	●	●	40	32	30	350	22	33	-6			

Insert (Coated / Cermet / SUMIDIA)

● 7° Relief G-Class

SCGT FX	Image	Stock		Dimensions (mm)		
		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.	ACZ310	EH10Z				
SCGT 09T302R-FX	●			9.525	3.97	0.2
09T302L-FX	●					0.2
09T304R-FX	●	●				0.4
09T304L-FX	●	●				0.4
SCGT 120404R-FX	▲	●				0.4
120404L-FX	▲	●		12.70	4.76	0.4
120408R-FX	●	▲				0.8
120408L-FX	●	●				0.8

SCGT SC	Image	Stock		Dimensions (mm)		
		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.	ACZ310	T1200A				
SCGT 09T301N-SC	●	●		9.525	3.97	0.1
09T302N-SC	●	●				0.2

● 7° Relief M-Class

SCMT LU	Image	Stock		Dimensions (mm)		
		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.	AC700G	AC2000	AC630M	T3000Z	T1200A	
SCMT 09T304N-LU	●	●	●	●	●	9.525
09T308N-LU	●	●	●	●	●	3.97
						0.4
						0.8

SCMT FP	Image	Stock		Dimensions (mm)		
		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.	T1200A					
SCMT 120404N-FP	●			12.70	4.76	0.4
120408N-FP	●					0.8

● 7° Relief M-Class

SCMT SU	Image	Stock		Dimensions (mm)		
		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.	AC2000	AC3000	AC610M	AC630M		
SCMT 09T304N-SU	●	●	●	●		9.525
09T308N-SU	●	●	●	●		3.97
SCMT 120404N-SU	●	●				0.4
120408N-SU	●	●				0.8

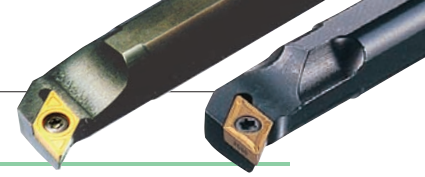
SCMT MU	Image	Stock		Dimensions (mm)		
		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.	AC700G	AC2000	AC630M	AC410K	AC300G	
SCMT 09T308N-MU	●	●	●	○	●	9.525
SCMT 120408N-MU	●	●	●	○	●	12.7
						4.76
						0.8

SCMW —	Image	Stock		Dimensions (mm)		
		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.	AC700G	AC410K	AC300G			
SCMW 09T308	●	▲				9.525
SCMW 120408	●	○	▲			3.97
120412	●	▲				0.8
						12.7
						4.76
						1.2

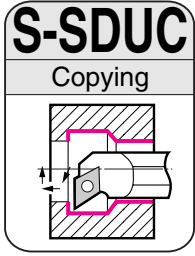
● SUMIDIA

SCMT —	Image	Stock		Dimensions (mm)		
		Inscribed circle	Thickness	Nose radius		
ISO Cat. No.	DA150					
SCMT 09T301	▲					0.1
09T302	▲			9.525	3.97	0.2
09T304	▲					0.4

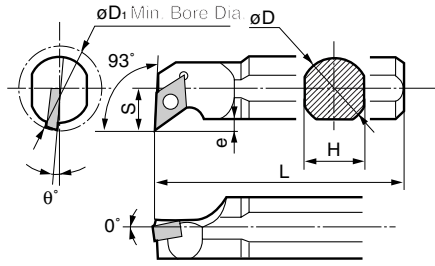
SEC-Boring Bars SDUC Type



Internal copying



Steel

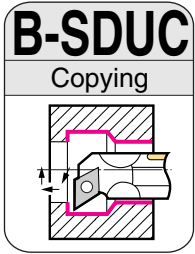


Holder

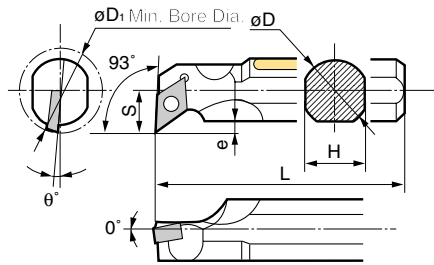
Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Parts

Shank	Sumitomo Cat. No.	Stock		θD_1	Dimensions (mm)						Applicable Insert	Screw	Wrench
		R	L		θD	H	L	S	e	θ°			
Steel	S10M-SDUC R/L07	●	●	13	10	9	150	7	2.5	-8	DC □ □ 0702 ○ ○	BFTX02506N	TRX08
	S12M-SDUC R/L07	●	●	16	12	11	150	9	3.5	-8			
	S16N-SDUC R/L07	●	●	20	16	15	160	11	4.0	-6			
	S20N-SDUC R/L11	●	●	25	20	18	160	13	4.5	-6	DC □ □ 11T3 ○ ○	BFTX0409N	TRX15
	S25Q-SDUC R/L11	●	●	32	25	22	180	17	7.0	-6			



Anti-vibration

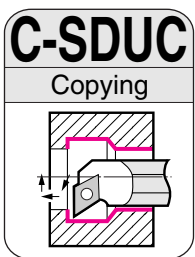


Holder

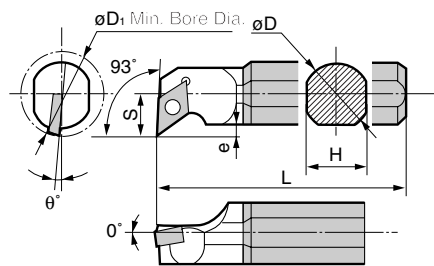
Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Parts

Shank	Sumitomo Cat. No.	Stock		θD_1	Dimensions (mm)						Applicable Insert	Screw	Wrench
		R	L		θD	H	L	S	e	θ°			
Anti-vibration	B10M-SDUC R/L0702-13	●	●	13	10	9	150	7	2.5	-8	DC □ □ 0702 ○ ○	BFTX02506N	TRX08
	B12M-SDUC R/L0702-16	●	●	16	12	11	150	9	3.5	-8			
	B16R-SDUC R/L0702-20	●	●	20	16	15	200	11	4.0	-6			
	B20S-SDUC R/L11T3-25	●	●	25	20	18	250	13	4.5	-6	DC □ □ 11T3 ○ ○	BFTX0409N	TRX15
	B25S-SDUC R/L11T3-32	●	●	32	25	22	250	17	7.0	-6			



Carbide



Holder

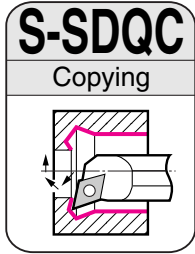
Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Parts

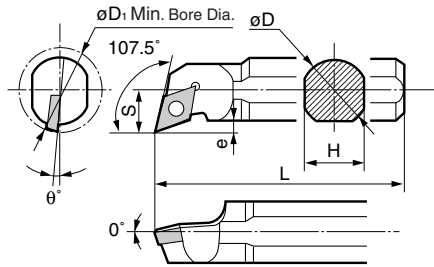
Shank	Sumitomo Cat. No.	Stock		θD_1	Dimensions (mm)						Applicable Insert	Screw	Wrench
		R	L		θD	H	L	S	e	θ°			
Carbide	C10M-SDUC R/L0702-13	●	●	13	10	9	150	7	2.5	-8	DC □ □ 0702 ○ ○	BFTX02506N	TRX08
	C12M-SDUC R/L0702-16	●	●	16	12	11	150	9	3.5	-8			
	C16R-SDUC R/L0702-20	●	●	20	16	15	200	11	4.0	-6			
	C20S-SDUC R/L11T3-25	●	●	25	20	18	250	13	4.5	-6	DC □ □ 11T3 ○ ○	BFTX0409N	TRX15

SEC-Boring Bars SDQC Type

Internal copying



Steel

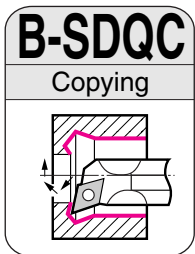


Parts

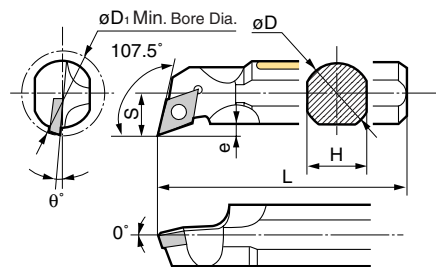
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert	Screw	Wrench
		R	L		ϕD	H	L	S	e	θ°			
Steel	S10M-SDQC R/L07	●	●	13	10	9	150	7	2.5	-8	DC □□0702 ○○	BFTX02506N	TRX08
	S12M-SDQC R/L07	●	●	16	12	11	150	9	3.5	-8			
	S16N-SDQC R/L07	●	●	20	16	15	160	11	4.0	-6	DC □□11T3 ○○	BFTX0409N	TRX15
	S20N-SDQC R/L11	●	●	25	20	18	160	13	4.5	-6			
	S25Q-SDQC R/L11	●	●	32	25	22	180	17	7.0	-6			



Anti-vibration



Parts

Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.


Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert	Screw	Wrench
		R	L		ϕD	H	L	S	e	θ°			
Anti-vibration	B10M-SDQC R/L0702-13	●	●	13	10	9	150	7	2.5	-8	DC □□0702 ○○	BFTX02506N	TRX08
	B12M-SDQC R/L0702-16	●	●	16	12	11	150	9	3.5	-8			
	B16R-SDQC R/L0702-20	●	●	20	16	15	200	11	4.0	-6	DC □□11T3 ○○	BFTX0409N	TRX15
	B20S-SDQC R/L11T3-25	●	●	25	20	18	250	13	4.5	-6			
	B25S-SDQC R/L11T3-32	●	●	32	25	22	250	17	7.0	-6			

Boring Bars

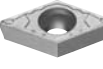
SEC-Boring Bars SDUC/SDQC Type

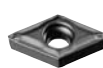
■ Insert (Coated / Cermet / Carbide / SUMIBORON / SUMIDIA)


● 7° Relief G-Class

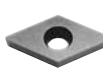
DCGT AG		Stock					Dimensions (mm)		
		H1					Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
DCGT 070202N-AG	●						6.35	2.38	0.2
070204N-AG	●								0.4
DCGT 11T302N-AG	●						9.525	3.97	0.2
11T304N-AG	●								0.4
11T308N-AG	●								0.8

● 7° Relief M-Class

DCMT LU		Stock						Dimensions (mm)		
		AC700G	AC2000	AC630M	ACZ310	T3000Z	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
DCMT 070202N-LU	●	●	●	●	●	●	6.35	2.38	0.2	
070204N-LU	●	●	●	●	●	●			0.4	
DCMT 11T302N-LU	●	●	●	●	●	●	9.525	3.97	0.2	
11T304N-LU	●	●	●	●	●	●			0.4	
11T308N-LU	●	●	●	●	●	●			0.8	


DCMT SU		Stock							Dimensions (mm)				
		AC2000	AC3000	AC610M	AC630M	ACZ310	T2000Z	T3000Z	T110A	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.													
DCMT 070202N-SU	●	●	●	●	●	●	●	●	●	6.35	2.38	0.2	
070204N-SU	●	●	●	●	●	●	●	●	●			0.4	
070208N-SU	●	●	●	●	●	●	●	●	●			0.8	
DCMT 11T302N-SU	●	●	●	●	●	●	●	●	●	9.525	3.97	0.2	
11T304N-SU	●	●	●	●	●	●	●	●	●			0.4	
11T308N-SU	●	●	●	●	●	●	●	●	●			0.8	

DCMT MU		Stock						Dimensions (mm)		
		AC700G	AC2000	AC3000	AC630M	AC410K	AC300G	Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
DCMT 11T304N-MU	●	●	●	●	●	○	9.525	3.97	0.4	
11T308N-MU	●	●	●	●	○	●			0.8	

DCMW		Stock					Dimensions (mm)		
		AC700G	AC410K	AC300G			Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
DCMW 070204	●	○	○	●			6.35	2.38	0.4
070208	●	○	○	●					0.8
DCMW 11T304	●	○	○	●			9.525	3.97	0.4
11T308	●	○	○	●					0.8

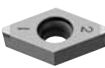
● SUMIBORON One-use Type

(●:1 pc pack stock, ◎:1 pc and 10 pc pack stock)


NU-DCGW		Stock				Dimensions (mm)		
		BN250	BN700			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NU-DCGW 070202	◎	◎				6.35	2.38	0.2
070204	◎	◎						0.4
070202M	◎	◎						0.2
070204M	◎	◎						0.4
070208M	◎	◎						0.8
NU-DCGW 11T302	◎	◎						0.2
11T304	◎	◎						0.4
11T302F	◎	◎						0.2
11T304F	◎	◎				9.525	3.97	0.4
11T302M	◎	◎						0.2
11T304M	◎	◎						0.4
11T308M	◎	◎						0.8
11T312M	◎	◎						1.2

※ F: for sintered component and cast iron machining M : Continuous cutting

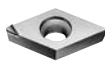
● Coated SUMIBORON One-use Type/Multi-corner

2NC-DCGW		Stock				Dimensions (mm)		
		BNC80	BNC100	BNC200	BNC300	Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
2NC-DCGW 070202	●			●		6.35	2.38	0.2
070204	●			●				0.4
2NC-DCGW 11T302	●			●		9.525	3.97	0.2
11T304	●			●				0.4
11T308	●			●				0.8


● SUMIDIA (NF Type)

NF-DCMT		Stock				Dimensions (mm)		
		DA2200				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NF-DCMT 070201	●					6.35	2.38	0.1
070202	●							0.2
070204	●							0.4
NF-DCMT 11T301	●					9.525	3.97	0.1
11T302	●							0.2
11T304	●							0.4
11T308	●							0.8

● SUMIDIA (Break Master)

NU-DCMT		Stock				Dimensions (mm)		
		DA150				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NU-DCMT 070202R-DM	●					6.35	2.38	0.2
070202L-DM	●							0.2
070204R-DM	●							0.4
070204L-DM	●							0.4
NU-DCMT 11T302R-DM	●					9.525	3.97	0.2
11T302L-DM	●							0.2
11T304R-DM	●							0.4
11T304L-DM	●							0.4

● SUMIDIA

DCMT		Stock		Dimensions (mm)		
		DA150	DA2200	Inscribed circle	Thickness	Nose radius
ISO Cat. No.						
DCMT 070201	●	▲		6.35	2.38	0.1
070202	●	▲				0.2
070204	●	▲				0.4
DCMT 11T301	●	▲		9.525	3.97	0.1
11T302	●	▲				0.2
11T304	●	▲				0.4

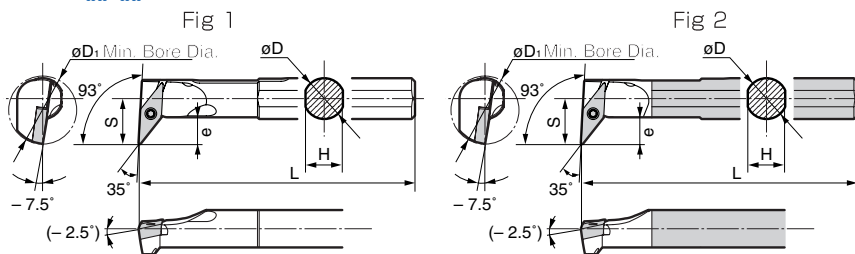
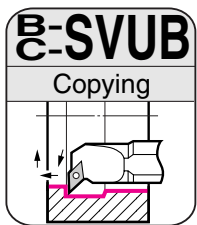
▲ mark : To be replaced by new item (Please confirm stock availability)

SEC-Boring Bars SVUB/SVQB/SVZB Type



Internal copying

Anti-vibration Carbide

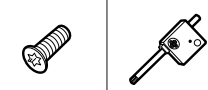


Holder

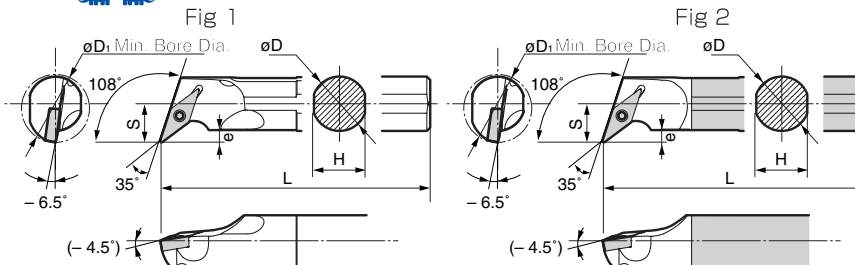
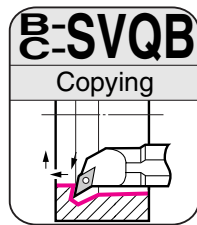
Right handed toolholders are applicable with **left handed** inserts.

Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)				Fig	Applicable Insert	Screw	Wrench
		R	L		ϕD	H	L	S				
Anti-vibration	B12M-SVUB R/L1103-20	●		20	12	11	150	13.5	8	VB □ □ 1103 ○ ○	BFTX 02506N	TRX08
	B16R-SVUB R/L1103-25	●		25	16	15	200	16.5	9			
Carbide	C12M-SVUB R/L1103-20	●		20	12	11	150	13.5	8			
	C16R-SVUB R/L1103-25	●		25	16	15	200	16.5	9			



Boring Bars

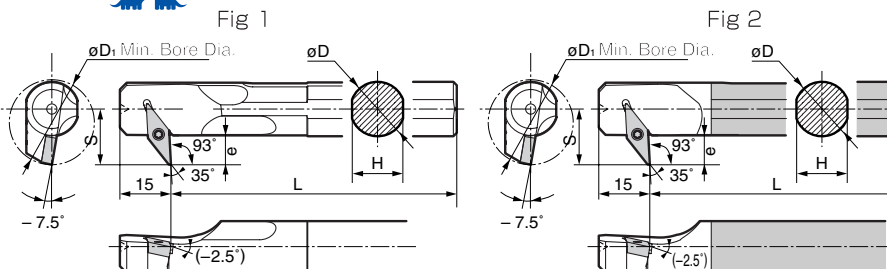
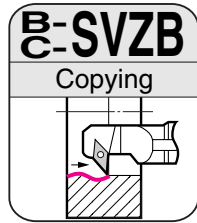


Holder

Right handed toolholders are applicable with **left handed** inserts.

Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)				Fig	Applicable Insert	Screw	Wrench
		R	L		ϕD	H	L	S				
Anti-vibration	B16R-SVQB R/L1103-20	●		20	16	15	200	11.5	4	VB □ □ 1103 ○ ○	BFTX 02506N	TRX08
	B20R-SVQB R/L1103-25	●		25	20	18	200	14.5	5			
Carbide	C16R-SVQB R/L1103-20	●		20	16	15	200	11.5	4			
	C20R-SVQB R/L1103-25	●		25	20	18	200	14.5	5			

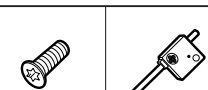


Holder

Right handed toolholders are applicable with **right handed** inserts.

Above figures show right hand tools.

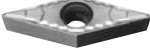
Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)				Fig	Applicable Insert	Screw	Wrench
		R	L		ϕD	H	L	S				
Anti-vibration	B12M-SVZB R/L1103-20	●		20	12	11	150	13.5	8	VB □ □ 1103 ○ ○	BFTX 02506N	TRX08
	B16R-SVZB R/L1103-25	●		25	16	15	200	16.5	9			
Carbide	C12M-SVZB R/L1103-20	●		20	12	11	150	13.5	8			
	C16R-SVZB R/L1103-25	●		25	16	15	200	16.5	9			




SEC-Boring Bars SVUB/SVQB/SVZB Type

■ Insert (Coated / Cermet / SUMIBORON)


● 5° Relief M-Class

VBMT LU		Stock						Dimensions (mm)		
		AC700G	AC2000	AC630M	ACZ310	T3000Z	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
VBMT 110304N-LU		●	●	●	●	●	●	6.35	3.18	0.4
110308N-LU				●	●					0.8

VBMT SU		Stock				Dimensions (mm)				
		AC610M	AC630M	ACZ310	T3000Z	Inscribed circle	Thickness	Nose radius		
ISO Cat. No.										
VBMT 110304N-SU		●	●	●				6.35	3.18	0.4
110308N-SU		●	●	●						0.8

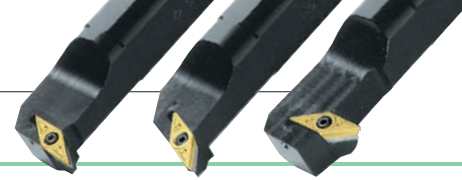
● 5° Relief G-Class

● SUMIBORON One-use Type

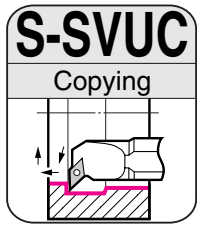
NU- VBGW		Stock						Dimensions (mm)		
		BN250	BN700					Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
NU-VBGW 110304			●							0.4
110308			●							0.8
110302M		●						6.35	3.18	0.2
110304M		●								0.4
110308M		●								0.8

※ M : Continuous cutting

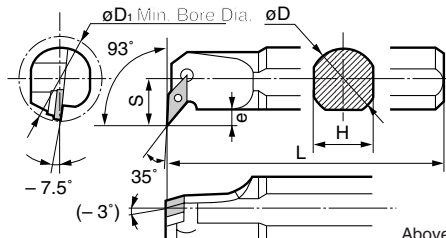
SEC-Boring Bars SVUC/SVQC/SVZC Type



Internal copying



Steel



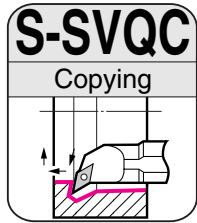
Above figures show right hand tools.

Holder Right handed toolholders are applicable with **left handed** inserts.

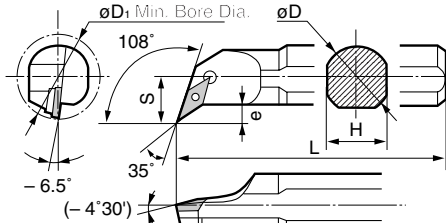
Parts

Shim Pin	Bolt	Shim	Screw	Wrench	Wrench
—	—	—	—	—	—
VP32B	BH03504	SVP32	BFTX03508	TRX10	LH020
VP40B					

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)					Applicable Insert
		R	L		ϕD	H	L	S	e	
Steel	S25R-SVUC R/L16	●	●	35	25	23	200	20.5	9	VC□□1604○○
	S32S-SVUC R/L16	●	●	40	32	30	250	22.0	9	VC□□1604○○
	S40V-SVUC R/L16	●	●	50	40	37	300	27.0	10	VC□□1604○○



Steel



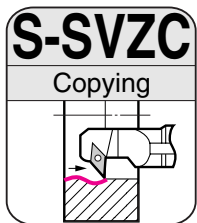
Above figures show right hand tools.

Holder Right handed toolholders are applicable with **left handed** inserts.

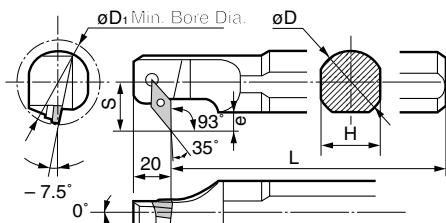
Parts

Shim Pin	Bolt	Shim	Screw	Wrench	Wrench
—	—	—	—	—	—
VP32B	BH03504	SVP32	BFTX03508	TRX10	LH020
VP40B					

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)					Applicable Insert
		R	L		ϕD	H	L	S	e	
Steel	S25R-SVQC R/L16	●	●	35	25	23	200	20.5	9	VC□□1604○○
	S32S-SVQC R/L16	●	●	40	32	30	250	22.0	9	VC□□1604○○
	S40V-SVQC R/L16	●	●	50	40	37	300	27.0	10	VC□□1604○○



Steel



Above figures show right hand tools.






Holder Right handed toolholders are applicable with **right handed** inserts.

Parts

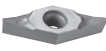
Shim Pin	Bolt	Shim	Screw	Wrench	Wrench
—	—	—	—	—	—
VP32B	BH03504	SVP32	BFTX03508	TRX10	LH020
VP40B					


Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)					Applicable Insert
		R	L		ϕD	H	L	S	e	
Steel	S25R-SVZC R/L16	●	●	35	25	23	200	20.5	9	VC□□1604○○
	S32S-SVZC R/L16	●	●	40	32	30	250	22.0	9	VC□□1604○○
	S40V-SVZC R/L16	●	●	50	40	37	300	27.0	10	VC□□1604○○

SEC-Boring Bars SVUC/SVQC/SVZC Type


■ Insert ( Coated /  Cermet /  Carbide /  SUMIBORON /  SUMIDIA)


● 7° Relief G-Class

VCGT AW		Stock				Dimensions (mm)		
		H1				Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●				9.525	4.76	0.8
VCGT 160408N-AW		●				9.525	4.76	1.2
160412N-AW		●						

VCGT AG		Stock				Dimensions (mm)		
		H1				Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●				9.525	4.76	0.8
VCGT 160408N-AG		●				9.525	4.76	0.8


● 7° Relief M-Class

VCMT LU		Stock					Dimensions (mm)		
		AC700G	AC2000	AC630M	T3000Z	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●	●	●	●	●	9.525	4.76	0.4
VCMT 160404N-LU		●	●	●	●	●	9.525	4.76	0.8
160408N-LU		●	●	●	●	●			


VCMT SU		Stock				Dimensions (mm)		
		AC2000	AC3000	AC610M	AC630M	Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●	●	●	●	9.525	4.76	0.4
VCMT 160404N-SU		●	●	●	●	9.525	4.76	0.8
160408N-SU		●	●	●	●			

● 7° Relief G-Class

● Coated SUMIBORON One-use Type/Multi-corner


2NC-VCGW		Stock				Dimensions (mm)		
		BNC80	BNC100	BNC200	BNC300	Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●	●	●	●	9.525	4.76	0.4
2NC-VCGW 160404		●	●	●	●	9.525	4.76	0.8
160408		●	●	●	●			

● SUMIBORON One-use Type


NU-VCGW		Stock				Dimensions (mm)		
		BN700				Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●				9.525	4.76	0.4
NU-VCGW 160404		●				9.525	4.76	0.4

● 7° Relief M-Class


● SUMIBORON

VCMW		Stock				Dimensions (mm)		
		BNX20	BN500			Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●	●			9.525	4.76	0.4
VCMW 160404		●	●			9.525	4.76	0.8
160408		●	●					

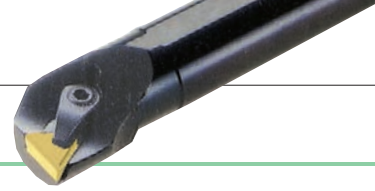
● SUMIDIA (NF-type)

NF-VCMT		Stock				Dimensions (mm)		
		DA2200				Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●				9.525	4.76	0.4
NF-VCMT 160404		●				9.525	4.76	0.8
160408		●						
160412		●						

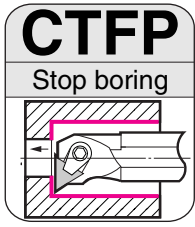
● SUMIDIA

VCMT		Stock				Dimensions (mm)		
		DA2200				Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●				9.525	4.76	0.8
VCMT 160408		●				9.525	4.76	1.2
160412		●						
160412-WF		●						

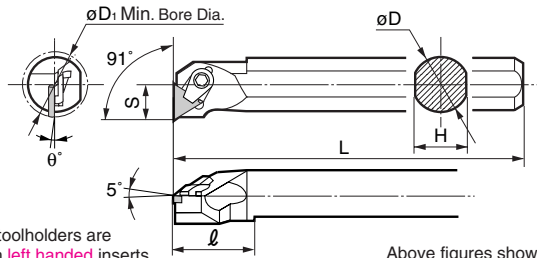
SEC-Boring Bars CTFP Type



General boring (Top clamp type)



Steel



Right handed toolholders are applicable with **left handed** inserts.

Above figures show right hand tools.

Holder

Parts

Clamp	Double Screw	Wrench
CCM5BSL/R (R is non-stock)	WB5-10	LH025
CCM8UL/R	WB8R/L-16T	LT27

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert	Clamp	Double Screw	Wrench
		R	L		ϕD	H	L	S	ℓ	θ°				
Steel	S12M-CTFP R/L11	●	●	16	12	11	150	8	17	0	TP □□ 1103 ○○	CCM5BSL/R (R is non-stock)	WB5-10	LH025
	S16Q-CTFP R/L11	●	●	20	16	15	180	10	18	-4				
	S20R-CTFP R/L11	●	●	25	20	18	200	12.5	18	-2				
	S25S-CTFP R/L16	●	●	32	25	23	250	16	38	-2				
	S32T-CTFP R/L16	●	●	40	32	30	300	20	38	0				

Insert

(Coated / Cermet / Carbide / SUMIBORON / SUMIDIA)

● 11° Relief G-Class

TPGR W	Stock				Dimensions (mm)		
	T110A	T1200A	ST10P		Inscribed circle	Thickness	Nose radius
ISO Cat. No.							
TPGR 110304R-W	●	●			6.35	3.18	0.4
110304L-W	●	●					0.4
110308L-W	●	●					0.8
TPGR 160304R-W	●	●			9.525	3.18	0.4
160304L-W	●	●					0.4
160308L-W	●	●					0.8

● 11° Relief G-Class

● SUMIDIA (NF Type)

NF-TPGN	Stock				Dimensions (mm)		
	DA2200				Inscribed circle	Thickness	Nose radius
ISO Cat. No.							
NF-TPGN 110302	●						0.2
110304	●				6.35	3.18	0.4
110308	●						0.8
NF-TPGN 160302	●						0.2
160304	●				9.525	3.18	0.4
160308	●						0.8

TPGN	Stock						Dimensions (mm)		
	EH10Z	T110A	T1200A	ST20E	G10E	H1	Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
TPGN 110302						●	6.35	3.18	0.2
110304	●	●	●			●			0.4
110308	●	●	●			●			0.8
TPGN 160302						●	9.525	3.18	0.2
160304	●	●	●	●	●	●			0.4
160308	●	●	●	●	●	●			0.8
160312	●	●	●	●	●	●			1.2

NF-TPGN	Stock				Dimensions (mm)		
	DA2200				Inscribed circle	Thickness	Nose radius
ISO Cat. No.							
NF-TPGN 110304P	●				6.35	3.18	0.4
110308P	●						0.8
NF-TPGN 160304P	●				9.525	3.18	0.4

● SUMIBORON One-use Type (●: 1 pc pack stock, ○: 1 pc and 10 pc pack stock)

NU-TPGN	Stock						Dimensions (mm)		
	BNX20	BN250	BN350	BN500	BN700		Inscribed circle	Thickness	Nose radius
ISO Cat. No.									
NU-TPGN 110304	○	○	○	○	○		6.35	3.18	0.4
110308	○	○	○	○	○				0.8
110302M	○	○	○	○	○				0.2
110304M	○	○	○	○	○				0.4
110308M	○	○	○	○	○				0.8
NU-TPGN 160304	○	○	○	○	○		9.525	3.18	0.4
160308	○	○	○	○	○				0.8
160302M	○	○	○	○	○				0.2
160304M	○	○	○	○	○				0.4
160308M	○	○	○	○	○				0.8

※ M : Continuous cutting

● SUMIBORON


TPGN	Stock				Dimensions (mm)		
	BN250	BNX20	BN500	BN700	Inscribed circle	Thickness	Nose radius
ISO Cat. No.							
TPGN 110304	▲	●	●	●	6.35	3.18	0.4
110308	▲	●	●	●			0.8
TPGN 160304	▲	●	●	●	9.525	3.18	0.4
160308	▲	●	●	●			0.8

▲ mark : To be replaced by new item (Please confirm stock availability)

SEC-Boring Bars CTFP Type


■ Insert (Coated / Cermet / Carbide / SUMIDIA)


● 11° Relief M-Class


TPMR FK		Stock				Dimensions (mm)		
		T2000Z	T3000Z	T110A	T1200A	Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
TPMR 110302N-FK		●				6.35	3.18	0.2
110304N-FK		●	●					0.4
110308N-FK		●	●	●	●			0.8
TPMR 160304N-FK		●	●	●	●			0.4
160308N-FK		●	●	●	●	9.525	3.18	0.8
160312N-FK		●	●	●	●			1.2


● 11° Relief M-Class

● SUMIDIA (Break Master)

NU-TPMR DM		Stock				Dimensions (mm)		
		DA150				Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NU-TPMR 110302L-DM		●				6.35	3.18	0.2
110304L-DM		●	●					0.4
NU-TPMR 160302L-DM		●	●	●	●			0.2
160304L-DM		●	●	●	●	9.525	3.18	0.4

TPMR SF		Stock				Dimensions (mm)		
		AC2000	AC3000			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
TPMR 110304N-SF		●	●			6.35	3.18	0.4
110308N-SF		●	●	●	●			0.8
TPMR 160304N-SF		●	●					0.4
160308N-SF		●	●	●	●	9.525	3.18	0.8
160312N-SF		●	●	●	●			1.2

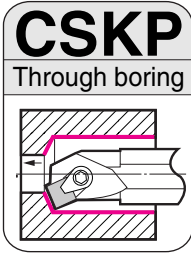
TPMR UJ		Stock				Dimensions (mm)		
		AC2000	AC3000			Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
TPMR 110304N-UJ		●	●			6.35	3.18	0.4
110308N-UJ		●	●	●	●			0.8
TPMR 160304N-UJ		●	●					0.4
160308N-UJ		●	●	●	●	9.525	3.18	0.8

TPMN —		Stock							Dimensions (mm)		
		AC700G	AC410K	AC300G	EH10Z	T1200A	ST20E	A30	G10E	Inscribed circle	Thickness
ISO Cat. No.											
TPMN 110304		●	○	○	●				6.35	3.18	0.4
110308		●	○	○	●						0.8
TPMN 160304		●	○	○	●						0.4
160308		●	○	○	●				9.525	3.18	0.8
160312		●	○	○	●						1.2

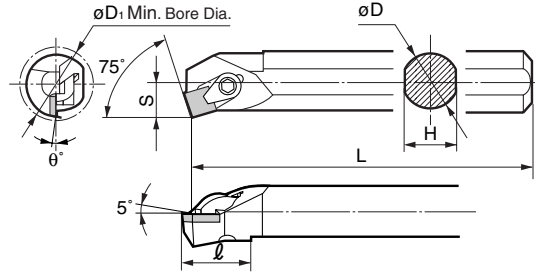
SEC-Boring Bars CSKP Type



General boring (Top clamp type)



Steel



Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		øD ₁	Dimensions (mm)					Applicable Insert	Clamp	Double Screw	Wrench			
		R	L		øD	H	L	S	ℓ					θ°		
Steel	S16Q-CSKP R/L09	●	●	20	16	15	180	10	28	-4	SP □□ 0903 ○○	CCM6BL/R	WB6-10	LH030		
	S20R-CSKP R/L09	●	●	25	20	18	200	12.5	28	-2			WB6-13			
	S25S-CSKP R/L12			32	25	23	250	16	33	0			SP □□ 1203 ○○		CCM8UL/R	WB8R/L-16T
	S32T-CSKP R/L12			40	32	30	300	20	33	0						LT27

Parts

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Insert

(Coated / Cermet / Carbide / SUMIBORON / SUMIDIA)

● 11° Relief G-Class

SPGR W		Stock		Dimensions (mm)		
		ST10P		Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●		9.525	3.18	0.4
SPGR 090304L-W		●				

SPGN		Stock						Dimensions (mm)		
		EH10Z	T110A	T1200A	ST20E	A30	G10E	H1	Inscribed circle	Thickness
ISO Cat. No.							●	9.525	3.18	0.4
SPGN 090304							●			
090308		●	●	●			●	9.525	3.18	0.8
SPGN 120304							●			0.4
120308		●	●	●	●		●	12.7	3.18	0.8
120312							●			1.2

● SUMIBORON One-use Type

(● : 1 pc pack stock, ○ : 1 pc and 10 pc pack stock)

NU-SPGN		Stock				Dimensions (mm)		
		BNX20	BN250	BN500	BN700	Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
NU-SPGN 090304		○	○	○	○			
090308		○	○	○	○	9.525	3.18	0.8
090304M		○	○	○	○			0.4
090308M		○	○	○	○			0.8

* M : Continuous cutting

● SUMIBORON

SPGN		Stock				Dimensions (mm)		
		BNX20	BN250	BN500	BN700	Inscribed circle	Thickness	Nose radius
ISO Cat. No.								
SPGN 090304		▲	▲			9.525	3.18	0.4
090308		▲	▲	●		9.525	3.18	0.8
SPGN 120308		▲	▲			12.7	3.18	0.8

● 11° Relief G-Class

● SUMIDIA (NF Type)

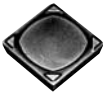
NF-SPGN		Stock		Dimensions (mm)		
		DA2200		Inscribed circle	Thickness	Nose radius
ISO Cat. No.		●		9.525	3.18	0.4
NF-SPGN 090304		●				
090308		●		9.525	3.18	0.8
NF-SPGN 120304		●				0.4
120308		●		12.7	3.18	0.8


● SUMIDIA

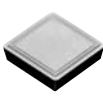
SPGN		Stock		Dimensions (mm)		
		DA150	DA200	Inscribed circle	Thickness	Nose radius
ISO Cat. No.						
SPGN 090304		●	▲			
090308		▲	▲	9.525	3.18	0.8
SPGN 120304		●	▲			0.4
120308		▲	▲	12.7	3.18	0.8

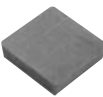
■ Insert ( Coated /  Cermet /  Carbide)

● 11° Relief M-Class

SPMR FK		Stock						Dimensions (mm)		
		T2000Z	T3000Z	T1200A				Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
SPMR 090304N-FK		●		●				9.525	3.18	0.4
090308N-FK		●	●	●						0.8
SPMR 120304N-FK		●		●				12.7	3.18	0.4
120308N-FK		●	●	●						0.8

SPMR SF		Stock						Dimensions (mm)		
		AC2000	AC3000					Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
SPMR 090304N-SF		●	●					9.525	3.18	0.4
090308N-SF		●	●							0.8
SPMR 120304N-SF		●	●					12.7	3.18	0.4
120308N-SF		●	●							0.8
120312N-SF		●								1.2

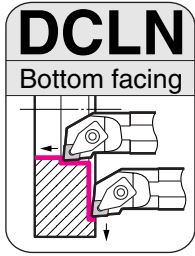
SPMR UJ		Stock						Dimensions (mm)		
		AC2000	AC3000					Inscribed circle	Thickness	Nose radius
ISO Cat. No.										
SPMR 090304N-UJ		●						9.525	3.18	0.4
090308N-UJ		●	●							0.8
SPMR 120304N-UJ		●						12.7	3.18	0.4
120308N-UJ		●	●							0.8

SPMN —		Stock										Dimensions (mm)				
		AC700G	AC410K	AC300G	ACZ310	EH10Z	T1200A	ST20E	A30	G10E			Inscribed circle	Thickness	Nose radius	
ISO Cat. No.																
SPMN 090304		▲	○	●										9.525	3.18	0.4
090308		●	○	●												0.8
SPMN 120304		●	○	●										12.7	3.18	0.4
120308		●	○	●												0.8
120312		▲	▲	●												1.2

SEC-Boring Bars DCLN/PCLN/BCLN Type

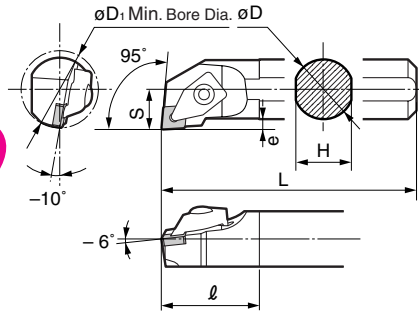


General boring

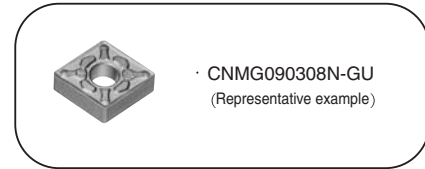


Steel

New



Applicable insert



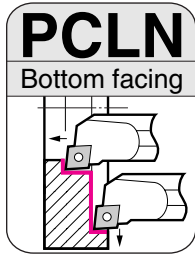
Parts

Clamp Set	Wrench for upper surface	Wrench for lower surface
SCP-1	LH040	LH025

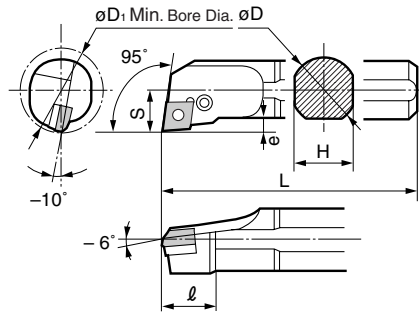
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

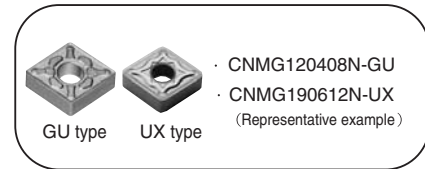
Shank	Sumitomo Cat. No.	Stock		øD ₁	Dimensions (mm)					Applicable Insert		
		R	L		øD	H	L	S	l	e	Cat. No.	Featured page
Steel	S25T-DCLN R/L09	●	●	32	25	23	300	17	48	4.5	CN□□0903□□	B14



Steel



Applicable insert



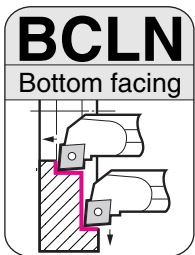
Parts

Lever Pin	Clamp Bolt	Shim	Shim Pin	Wrench
LCL4	LCS4	LSC42B LSC42	LSP4	LH030
LCL6	LCS6	LSC63	LSP6	LH040

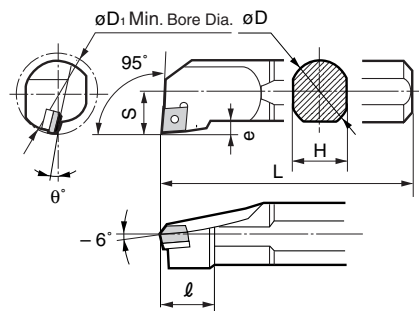
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

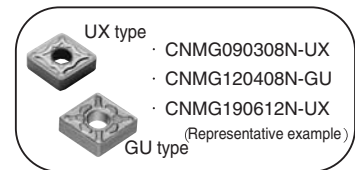
Shank	Sumitomo Cat. No.	Stock		øD ₁	Dimensions (mm)					Applicable Insert		
		R	L		øD	H	L	S	l	e	Cat. No.	Featured page
Steel	S32S-PCLN R/L12	●	●	44	32	30	250	22	29	7	CN□□1204□□	B15 ~
	S40T-PCLN R/L12	●	●	54	40	37	300	27	29	8.5	CN□□1204□□	B15 ~
	S50U-PCLN R/L19	●	●	70	50	47	350	35	39	11.5	CN□□1906□□	B21 ~



Steel



Applicable insert



Parts

Shim	Pin	Wrench
—	CPU304C	LH030
SCW323	CPB32C	LH025
SCW423	CPB42 CPB43S	LH030
SCW635	CPB43 CPB64	LH040

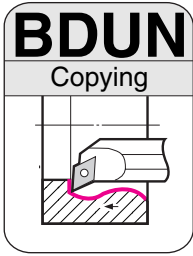
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

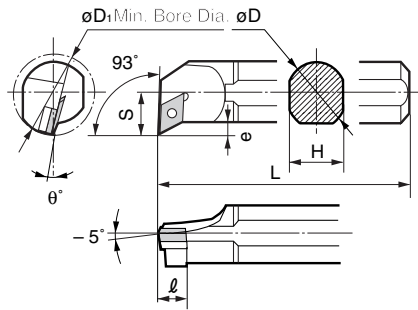
Shank	Sumitomo Cat. No.	Stock		øD ₁	Dimensions (mm)					Applicable Insert			
		R	L		øD	H	L	S	l	e	θ°	Cat. No.	Featured page
Steel	BCLN320 R/L	●	●	26	20	18	180	13	20	4	-12	CN□□0903□□	B14
	BCLN325 R/L	●	●	34	25	23	200	17	20	5.5	-12	CN□□0903□□	B14
	BCLN425 R/L	●	●	34	25	23	200	17	20	5.5	-12	CN□□1204□□	B15 ~
	BCLN432 R/L	●	●	44	32	30	250	22	25	7	-10	CN□□1204□□	B15 ~
	BCLN440 R/L	●	●	54	40	37	300	27	25	8.5	-10	CN□□1204□□	B15 ~
	BCLN650 R/L	●	●	70	50	47	350	35	32	11.5	-10	CN□□1906□□	B21 ~

SEC-Boring Bars BDUN/BDZN Type

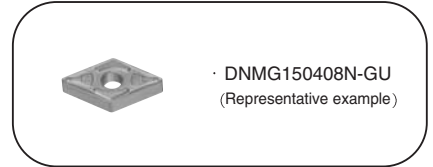
Copying



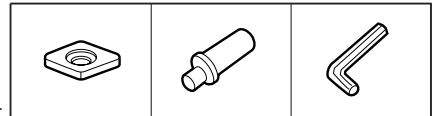
Steel



Applicable insert



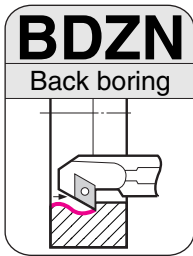
Parts



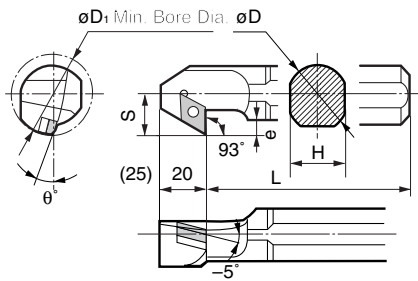
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

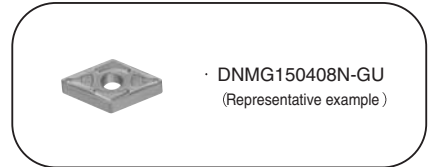
Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)							Applicable Insert		Shim	Pin	Wrench
		R	L		ϕD	H	L	S	ℓ	e	θ°	Cat. No.	Featured page			
Steel	BDUN325 R/L	●		34	25	23	200	17	20	5.5	-12	DN□□1104○○	B24	SDW323	CPB34	LH025
	BDUN432 R/L	●		44	32	30	250	22	20	7	-10	DN□□1504○○	B24~	SDW423	CPB43	LH030



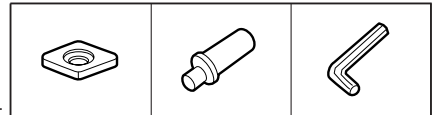
Steel



Applicable insert



Parts



Holder

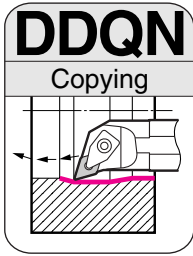
Right handed toolholders are applicable with **right handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)							Applicable Insert		Shim	Pin	Wrench
		R	L		ϕD	H	L	S	ℓ	e	θ°	Cat. No.	Featured page			
Steel	BDZN325 R/L	●		34	25	23	200	17	—	5.5	-12	DN□□1104○○	B24	SDW323	CPB34	LH025
	BDZN432 R/L	●		44	32	30	250	22	—	7	-10	DN□□1504○○	B24~	SDW423	CPB43	LH030

SEC-Boring Bars DDQN/PDUN/PDZN Type

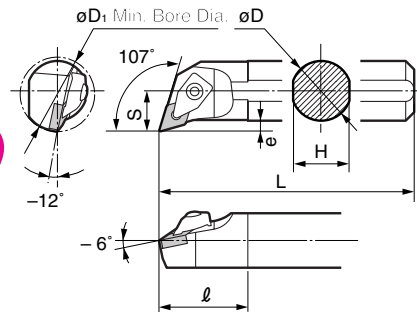


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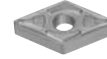


Steel

New



Applicable insert



· DNMG150408N-GU
(Representative example)

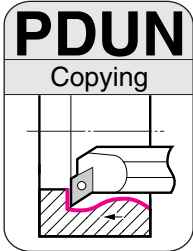
Parts



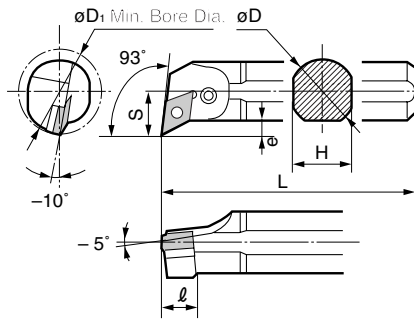
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

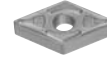
Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert				
		R	L		ϕD	H	L	S	ℓ	e	Cat. No.	Featured page			
Steel	S32T-DDQN R/L15	●	●	40	32	30	300	22	48	6	DN □ □ 1504 ○ ○	B24 ~	Clamp Set	Wrench for upper surface	Wrench for lower surface
													SCP-2	LH040	LH025



Steel



Applicable insert



· DNMG150408N-GU
(Representative example)

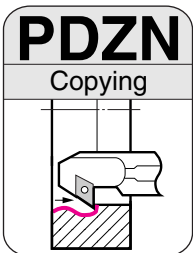
Parts



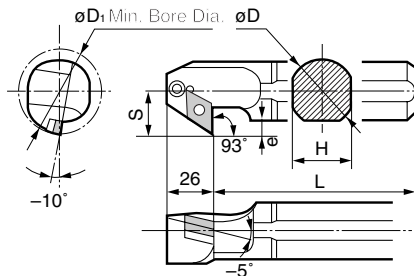
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

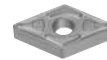
Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert		Lever Pin	Clamp Bolt	Shim	Shim Pin	Wrench
		R	L		ϕD	H	L	S	ℓ	e	Cat. No.	Featured page					
Steel	S32S-PDUN R/L15	●	●	44	32	30	250	22	20	7	DN □ □ 1504 ○ ○	B24 ~	LCL4	LCS4	LSD42	LSP4	LH030



Steel



Applicable insert



· DNMG150408N-GU
(Representative example)

Parts



Holder

Right handed toolholders are applicable with **right handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert		Lever Pin	Clamp Bolt	Shim	Shim Pin	Wrench
		R	L		ϕD	H	L	S	ℓ	e	Cat. No.	Featured page					
Steel	S32S-PDZN R/L15	●	●	44	32	30	250	22	—	7	DN □ □ 1504 ○ ○	B24 ~	LCL4	LCS4	LSD42	LSP4	LH030

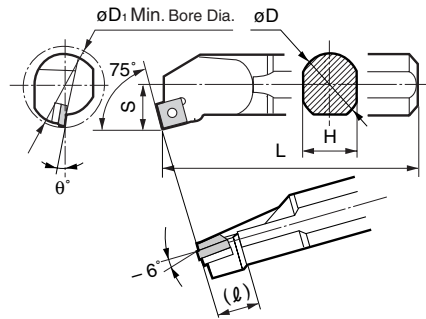


SEC-Boring Bars BSKN/BSYN Type

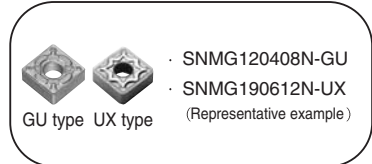
General boring



Steel



Applicable insert



Parts

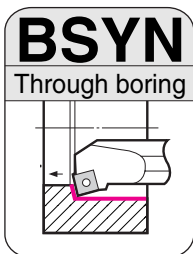
Shim	Pin	Wrench
SSW423	CPB42 CPB43S	LH030
SSW635	CPB64	LH040

Holder

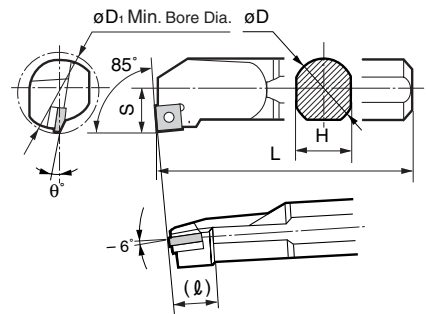
Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert	
		R	L		ϕD	H	L	S	ℓ	θ	Cat. No.	Featured page
Steel	BSKN425 R/L	●		34	25	23	200	17	(18)	-12	SN □□1204 ○○	B36 ~
	BSKN432 R/L	●		44	32	30	250	22	(20)	-10		
	BSKN440 R/L			54	40	37	300	27	(20)	-10	SN □□1906 ○○	B41
	BSKN650 R/L			70	50	47	350	35	(30)	-10		

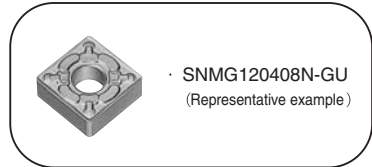
() is reference value.



Steel



Applicable insert



Parts

Shim	Pin	Wrench
SSW423	CPB42 CPB43S	LH030

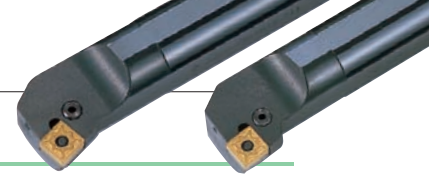
Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert	
		R	L		ϕD	H	L	S	ℓ	θ	Cat. No.	Featured page
Steel	BSYN425 R/L			34	25	23	200	17	(20)	-12	SN □□1204 ○○	B36 ~
	BSYN432 R/L			44	32	30	250	22	(22)	-10		

() is reference value.

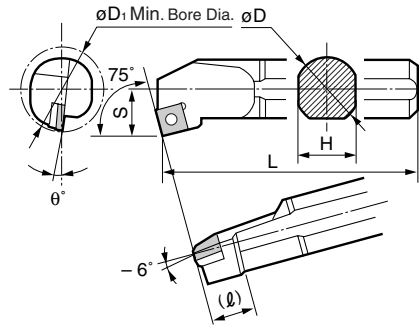
SEC-Boring Bars PSKN/PSYN Type



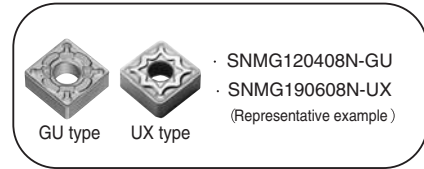
General boring



Steel



Applicable insert



Parts

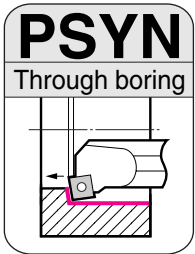
LCL4	LCS4	LSS42B LSS42	LSP4	LH030

Holder

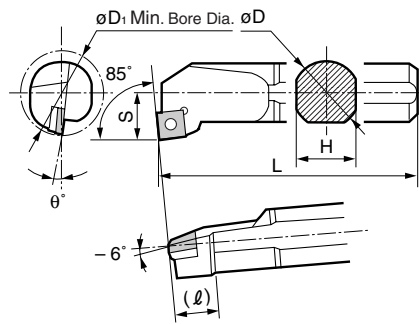
Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert		Lever Pin	Clamp Bolt	Shim	Shim Pin	Wrench
		R	L		ϕD	H	L	S	ℓ	θ°	Cat. No.	Featured page					
Steel	S32S-PSKN R/L12	●	●	44	32	30	250	22	(21)	0	SN□□1204 ○○	B36 ~	LCL4	LCS4	LSS42B LSS42	LSP4	LH030
	S40T-PSKN R/L12	●	●	54	40	37	300	27	(21)	-10	SN□□1204 ○○	B36 ~	LCL4	LCS4	LSS42B LSS42	LSP4	LH030
	S50U-PSKN R/L19	●	●	70	50	47	350	35	(31)	-10	SN□□1906 ○○	B41	LCL6	LCS6	LSS63	LSP6	LH040

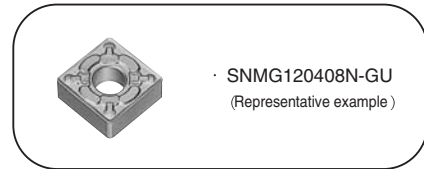
() is reference value.



Steel



Applicable insert



Parts

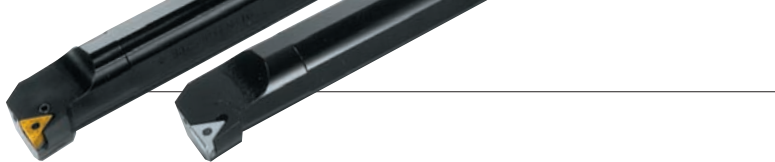
LCL4	LCS4	LSS42B	LSP4	LH030

Holder

Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

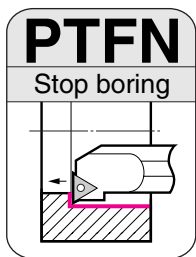
Shank	Sumitomo Cat. No.	Stock		ϕD_1	Dimensions (mm)						Applicable Insert		Lever Pin	Clamp Bolt	Shim	Shim Pin	Wrench
		R	L		ϕD	H	L	S	ℓ	θ°	Cat. No.	Featured page					
Steel	S32S-PSYN R/L12	●	●	44	32	30	250	22	(22)	-10	SN□□1204 ○○	B36 ~	LCL4	LCS4	LSS42B	LSP4	LH030

() is reference value.

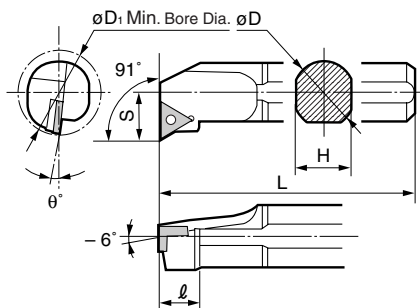


SEC-Boring Bars PTFN/BTFN Type

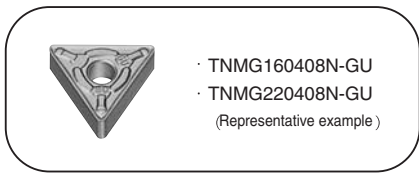
General boring



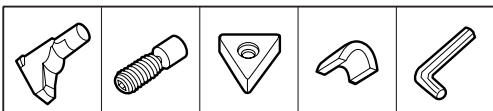
Steel



Applicable insert

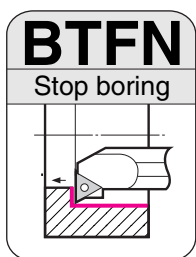


Parts

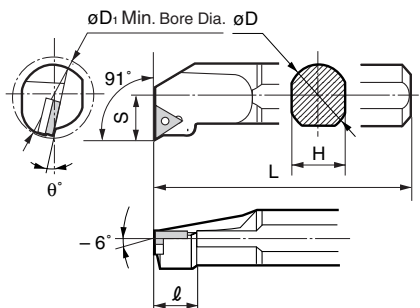


Holder Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

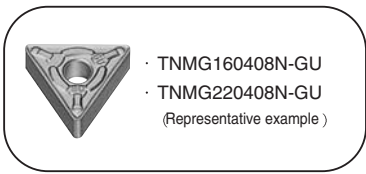
Shank	Sumitomo Cat. No.	Stock		øD ₁	Dimensions (mm)						Applicable Insert		Lever Pin	Clamp Bolt	Shim	Shim Pin	Wrench
		R	L		øD	H	L	S	l	θ°	Cat. No.	Featured page					
Steel	S32S-PTFN R/L16	●	●	44	32	30	250	22	21	-10	TN □□1604 ○○	B50 ~	LCL3	LCS3	LST317CA	LSP3	LH025
	S40T-PTFN R/L22	●	●	54	40	37	300	27	26	-10	TN □□2204 ○○	B57 ~	LCL4	LCS4	LST42	LSP4	LH030
	S50U-PTFN R/L22	●	●	70	50	47	350	35	33	-10							



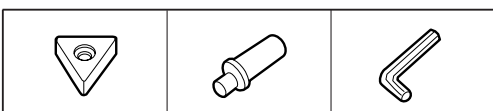
Steel



Applicable insert



Parts

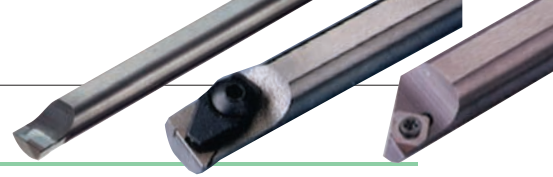


Holder Right handed toolholders are applicable with **left handed** inserts. Above figures show right hand tools.

Shank	Sumitomo Cat. No.	Stock		øD ₁	Dimensions (mm)						Applicable Insert		Shim	Pin	Wrench
		R	L		øD	H	L	S	l	θ°	Cat. No.	Featured page			
Steel	BTFN325 R/L	●		34	25	23	200	17	18	-12	TN □□1604 ○○	B50 ~	STW323	CPB34	LH025
	BTFN332 R/L	●		44	32	30	250	22	20	-10				CPB35	
	BTFN440 R/L	●		54	40	37	300	27	25	-10	TN □□2204 ○○	B57 ~	STW434	CPB44T	LH030
	BTFN450 R/L			70	50	47	350	35	32	-10				CPB45T	

Boring Bars

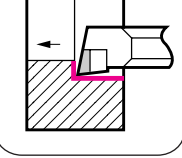
SUMIBORON Small Hole Boring Bars BNBX/BNB Type



SUMIBORON

BNBX

Stop and Through boring



■ Brazed Boring Bar

Sumitomo Cat. No.	Stock		øD ₁	Dimensions (mm)				Applicable Sleeve
	BN250	BN700		øD	H	L	R	
BNBX020R	●	●	2.5	2.0	1.7	40	0.2	HBX2016
BNBX025R	●	●	3.0	2.5	2.2	40	0.2	HBX2516
BNBX030R	●	●	3.5	3.0	2.7	40	0.2	HBX3016
BNBX035R	●	●	4.0	3.5	3.2	40	0.2	HBX3516
BNBX040R	●	●	4.5	4.0	3.7	40	0.2	HBX4016
BNBX045R	●	●	5.0	4.5	4.2	40	0.2	HBX4516
BNBX050R	●	●	5.5	5.0	4.7	60	0.2	HBX5016
BNBX055R	●	●	6.0	5.5	5.2	60	0.2	HBX5516
BNBX060R	●	●	6.5	6.0	5.7	60	0.2	HBX6016
BNBX065R	●	●	7.0	6.5	6.2	60	0.2	HBB6516
BNBX070R	●	●	7.5	7.0	6.7	80	0.2	HBB716
BNBX075R	●	●	8.0	7.5	7.2	80	0.2	HBB7516
BNBX080R	●	●	8.5	8.0	7.7	80	0.2	HBB816

■ Adaptor Sleeve

Sumitomo Cat. No.	Stock	Diameter (ød)	Applicable Bar
HBX2016	●	2.0	BNBX020R
HBX2516	●	2.5	BNBX025R
HBX3016	●	3.0	BNBX030R
HBX3516	●	3.5	BNBX035R
HBX4016	●	4.0	BNBX040R
HBX4516	●	4.5	BNBX045R
HBX5016	●	5.0	BNBX050R
HBX5516	●	5.5	BNBX055R
HBX6016	●	6.0	BNBX060R
HBB6516	●	6.5	BNBX065R
HBB716	●	7.0	BNBX07R
HBB7516	●	7.5	BNBX075R
HBB816	●	8.0	BNBX08R

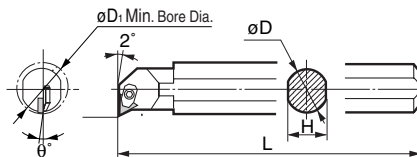
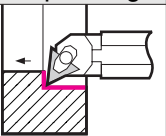
■ Parts (For sleeve)

Screw	Setting Screw	Wrench	Applicable sleeve
BFTX0409N	BT06035T	TRD15	HBX ○○○○
—	BT0404	TH020	HBB ○○○○

※BNBX bars can be use with HBB type sleeves, however, HBX type sleeves are recommended for bars below ø6mm.

BNB

Stop boring



■ Holder

Above figures show right hand tools.

Sumitomo Cat. No.	Stock	øD ₁	Dimensions (mm)				θ°	Clamp	Clamp Bolt	Nut	Wrench
			øD	H	L						
BNB508 R	●	10.0	8.0	7.0	140	-9	BNBC	BH0306	BNBW-2	TH020	
BNB510 R	●	12.0	10.0	9.0	140	-8					
BNB512 R	●	14.0	12.0	11.0	160	-6					
BNB516 R	●	18.0	16.0	14.0	180	-5					
BNB520 R	●	22.0	20.0	18.0	180	-4					

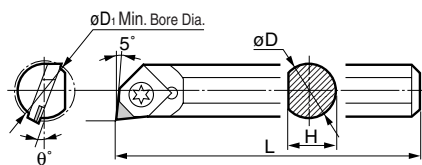
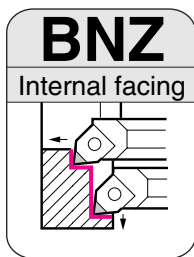
■ Parts

■ Insert (SUMIBORON / SUMIDIA)

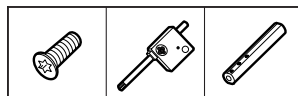
ISO Cat. No.	Stock							Dimensions (mm)	
	SUMIBORON				SUMIDIA				
	BN250	BNX20	BN350	BNX10	BN500	BN700	DA150	DA200	Nose radius
TBGN060102B	●	●					●	●	
TBGN060104B	●	●	●	●	●	●	●	●	0.4
TBGN060108B	●	●	●		●	●			0.8
TBGN060102-BSN	—	●	—	—	—	—	—	—	0.2
TBGN060104-BSN	—	●	—	—	—	—	—	—	0.4
TBGN060108-BSN	—	●	—	—	—	—	—	—	0.8

TBGNxxxxx-BSN is only available in BNX20 grade and it has a smaller negative land angle (-15°) as compared to the B type.

SUMIBORON



Parts



Holder

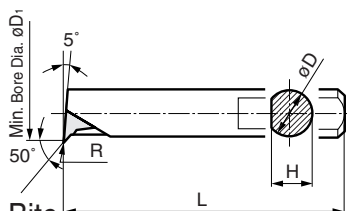
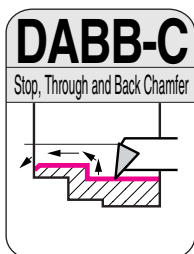
Sumitomo Cat. No.	Stock	øD ₁	Dimensions (mm)				Screw	Wrench	Adaptor Sleeve
			øD	H	L	θ°			
BNZ606 R	●	7.0	6.0	5.5	80	-14	BFTX0204N	TRX06	HBB616
BNZ608 R	●	9.0	8.0	7.5	100	-12			HBB816
BNZ610 R	●	11.0	10.0	9.5	125	-10			—
BNZ612 R	●	13.0	12.0	11.0	130	-8			—
BNZ616 R	●	17.0	16.0	15.0	145	-6			—
BNZ620 R	●	21.0	20.0	19.0	160	-5			—

Insert (SUMIBORON)

ISO Cat. No.	Stock		Dimensions (mm)
	BN250	BN700	
1 pc pack	●	●	Nose radius
	●	●	0.2
10 pc pack	●	●	0.4
	●	●	0.2
10 pc pack	●	●	0.2
	●	●	0.4

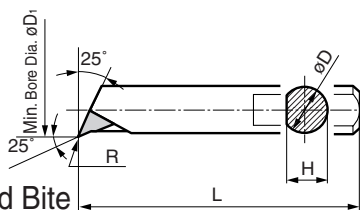
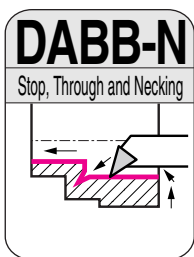
Boring Bars

SUMIDIA



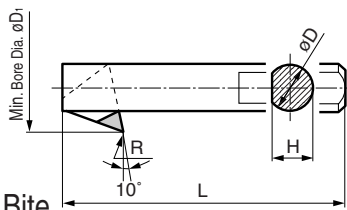
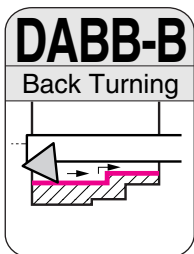
Brazed Bite

Sumitomo Cat. No.	Stock	øD ₁	Dimensions (mm)				Applicable Sleeve
			øD	H	L	R	
DABB 025CR	●	3.0	2.5	2.2	60	0.1	HBB 2516
DABB 035CR	●	4.0	3.5	3.2	60	0.1	HBB 3516
DABB 045CR	●	5.0	4.5	4.1	80	0.1	HBB 4516
DABB 060CR	●	7.0	6.0	5.2	80	0.1	HBB 616



Brazed Bite

Sumitomo Cat. No.	Stock	øD ₁	Dimensions (mm)				Applicable Sleeve
			øD	H	L	R	
DABB 025NR	●	3.0	2.5	2.2	60	0.1	HBB 2516
DABB 035NR	●	4.0	3.5	3.2	60	0.1	HBB 3516
DABB 045NR	●	5.0	4.5	4.1	80	0.1	HBB 4516
DABB 060NR	●	7.0	6.0	5.2	80	0.1	HBB 616



Brazed Bite

Sumitomo Cat. No.	Stock	øD ₁	Dimensions (mm)				Applicable Sleeve
			øD	H	L	R	
DABB 045BR	▲	7.0	4.5	4.0	80	0.1	HBB 4516
DABB 060BR	▲	9.0	6.0	5.5	80	0.1	HBB 616