

Small Tool

SumiSmall

D

External Holders D1 to D33

D

Small Product
Machining Tool

Small Product Machining Tool Selection D2
 General Features of Small Product Machining Tool D4
 Grade Selection D6
 Chipbreaker Selection D7

External Holders	Small Product Turning Special Tool Holders	SEC-PB Tool Holders SPB Type..... D8
		SEC- Wide Cut Holders SGW Type..... D10
		SEC- MINI Tool Holders SBT/PBT Type D11
		SEC- MINI Tool Holders SFT Type D12
	SEC-Round Shank Holders	RS-SCLL Type D13
		RS-SDUL Type/RS-SDXL Type D14
		RS-SVXL Type/RS-SVVP Type/RS-PTXN Type D15
	SEC-MINI Tool Zero Off-set Holders	PDJC-X Type/SDJC-X Type/SDAC-X Type/SDPC-X Type D16
		PCLC-X Type/SCLC-X Type/SCAC-X Type..... D17
		SVJC-X Type/PTXN-X Type D18
	SEC-MINI Tool Holders PD Type	PDJC Type..... D19
	SEC-MINI Tool Holders SD Type (7° Positive)	SDJC Type/SDAC Type/SDNC Type D19
	SEC-MINI Tool Holders PC Type	PCLC Type..... D24
	SEC-MINI Tool Holders SC Type	SCLC Type/SCAC Type D24
	SEC-MINI Tool Holders SS Type	SSBC Type D28
SEC-MINI Tool Holders ST Type	STGC Type/STAC Type D29	
SEC-MINI Tool Holders SV Type	SVLC Type/SVPC Type..... D31	
	SVLP Type/SVPP Type D33	

E Boring Bars

Multi-functional Autolathe Tool..... E10
 Mini Boring Tool E12
 SEC-Boring Bar (for Stop Boring)..... E16
 SEC-Boring Bar (for Bottom Facing) E36
 SEC-Boring Bar (for Copying)..... E49
 SEC-Boring Bar (for Through Boring)..... E68

F Grooving / Cut-Off Tools

SEC-Grooving Tools (External Grooving)..... F4
 SEC-Grooving Tools (Internal Grooving)..... F25
 SEC-Small Diameter Cut-Off Tools..... F40
 SEC-Threading Tools (External Threading) F52, F60
 SEC-Threading Tools (Internal Threading) F52, F66

Stock Indications and Symbols

- mark: Standard stocked item
- mark: To be replaced by a new item featured on the same page
- ▲ mark: To be replaced by new item (Please confirm stock availability)

- * mark: Semi-standard stock (Please confirm stock availability)
- mark: Stock or planned stock (Please confirm stock availability)
- No mark: Made-to-order item
- mark: We cannot produce

Small Product Machining Tool Selection

Turning (1)

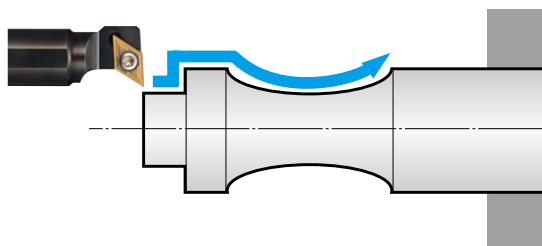
Usage/Type/Page	Tool Type	Code	Cutting Edge Style
	Cut-Off SCT Type	F40	0.5 to 2.0mm 20° Max. dia. ø5 to 16mm
	Back Turning SBT Type PBT Type	D11	2.5 to 5.2mm r _e 0.05 to 0.15mm 3.5 to 8.0mm
	Copying SV Type	D31	SVLC Type SVPC Type 95° 117.5° 7°Pos. 11°Pos.
	General Turning P Type/S Type	D19	PDJC Type SDJC Type 93° 93° Back clamp Screw lock
	Grooving GWC Type	F4	0.75 to 2.5mm 1.25 to 3.0mm
	Grooving & Cut-Off GND Type <i>new</i>	F10	1.25 to 3.00mm 20 to 32mm

Turning (2)

Usage/Type/Page	Tool Type	Code	Cutting Edge Style
	Turning SFT Type	D12	0.5 r _e 0 to 0.2mm 32°
	Turning PTXN-X Type	D18	100° Negative
	Grooving Traverse Cutting SGE Type	F24	3.0 to 6.0mm r _e 0.2 r _e 0.4mm
	Threading STH Type	F60	0.4 to 1.25mm Pitch 0.2 to 1.58mm
	Threading SSTE Type	F52	0.8 to 1.5mm Pitch 0.5 to 3.0mm 0.6 to 1.3mm
	Threading THE Type	F64	1.4mm Pitch 0.8 to 3.0mm

Turning (3)

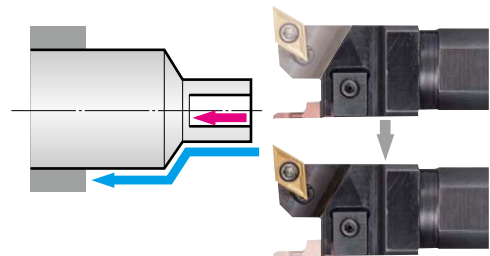
External turning made possible with holder sleeves.



Usage/Type/Page	Tool Type	Code
	Round Shank Holder RS Type	D13

Multi-functional Tool

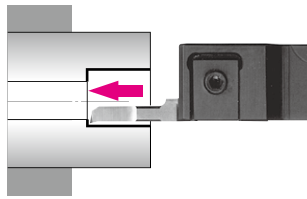
A single holder capable of performing two operations.



Usage/Type/Page	Tool Type	Code
	Twin Head Holder ID + OD CKBE Type	E10
	ID + ID CKBB Type	E11

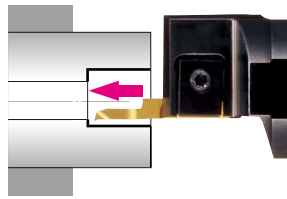
Small Product Machining Tool Selection

Boring (1) Machining of very small diameter 1 mm or above



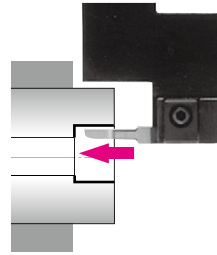
Very Small Dia. Boring
CKB Type

E14



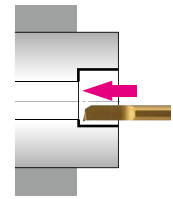
Very Small Dia. Boring (Round Shank)
S-CKB Type / S-CKB-S Type

E14



Gang-type Tool Post
Very Small Dia. Boring
CKBS Type

E13

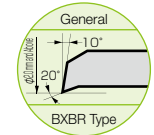
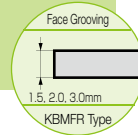
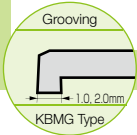
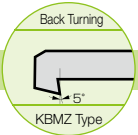
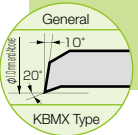


Solid Carbide Bar
BXBR Type

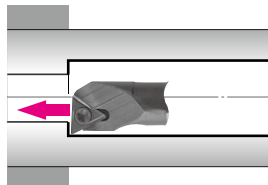
E16

Usage/Type/Page

Cutting Edge Style

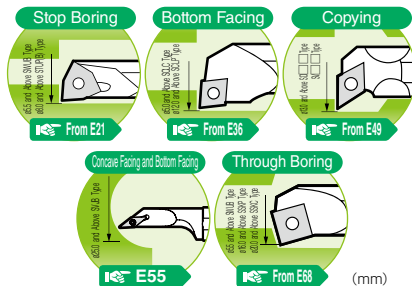


Boring (2) Machining of small diameter 5mm or above

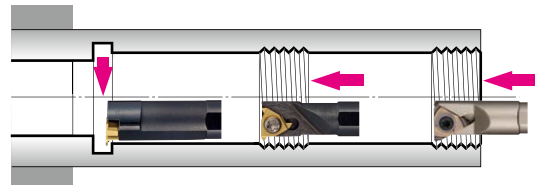


Boring
SW/ST/SC/SD/SV/SS Type

E21 to E72



Grooving and Threading



Internal Grooving
SGIT Type

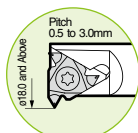
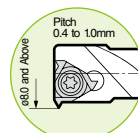
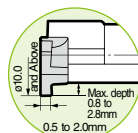
F25

Internal Threading
STHI Type

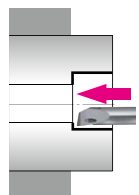
F66

Internal Threading
SSTI Type

F52

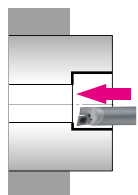


SUMIBORON (CBN) Small Hole Boring Bars CBN



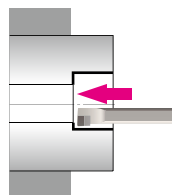
Small Hole Boring Bars
BSME Type *New*

E18



Small Hole Boring Bars
SEXC Type *New*

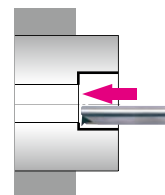
E19



Small Hole Boring Bars
BNBX Type

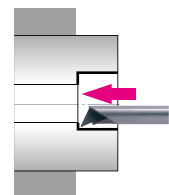
E20

SUMIDIA (PCD) Small Hole Boring Bars PCD



Small Hole Boring Bars
DABB-C Type

E17

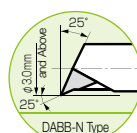
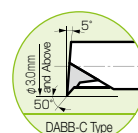
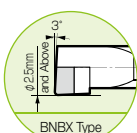
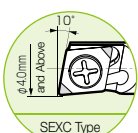
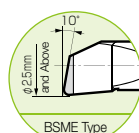


Small Hole Boring Bars
DABB-N Type

E17

Usage/Type/Page

Cutting Edge Style



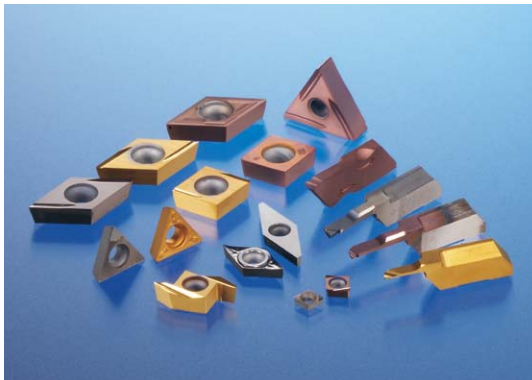


General Features

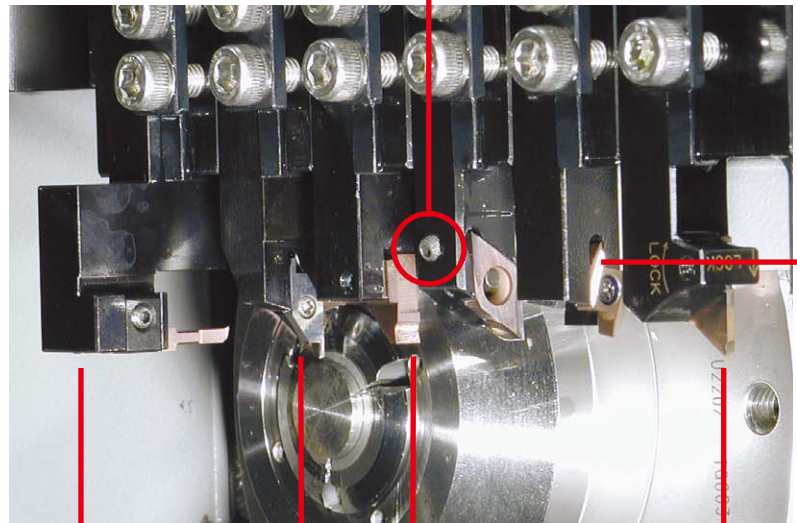
In 1984, Sumitomo Electric Hardmetal first released the SECMINI Tool Holder series for the machining of small components in small NC autolathes. Through these years of experience, new tool designs which include the side lever lock tool holder were developed to meet the various machining requirements such as Back Turning, Copying, Cut-off, etc; and Sumitomo is continually striving to enhance the series.

D
Small Product Machining

Full lineup of grades from Carbide to PCD



From D6



Special tools for autolathe machines to meet various types of machining

● Very Small Dia. Boring Tool Holder CKB Type
Min. dia. $\phi 1$ to $\phi 5$ mm



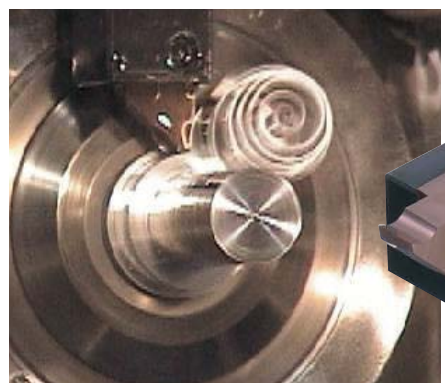
From E12

● Very Small Product Turning Tool SPB Type
Best suited for products with a diameter of less than $\phi 10$ mm



From D8

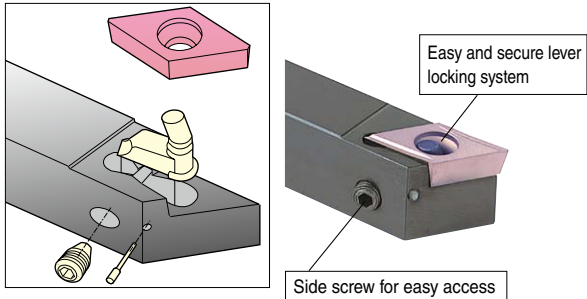
● Plunge-cut Tool SGW Type
Plunge cutting reduces machining time and eliminates chip control problems



D10

■ A wide selection of easy-to-use holders

● Side Lever Locking (Back Clamp) Tool Holders PD/PC Type



👉 D19,D23

● Back-Turning Tool Holder SBT/PBT Type

Sharp cutting edges with good surface finish
Max. reach of insert 8.0 mm, edge width 2.5 mm



👉 D11

● Cut-off Tool Holder SCT Type

Easy insert change by just loosening the screw from the back
Max. cut-off dia. ϕ 5 mm, ϕ 12 mm, ϕ 16 mm



👉 F40

● Zero Off-set Holders *Cat. No. Suffixes: - X

Tool compensation not required for small gang-type lathes



👉 From D16

● Twin Head Holders

Multi-functional tools for autolathes
One holder with 2 operations



👉 From E10

● Round Shank Holder RS Type

External turning made possible with holder sleeves



👉 From D13

● SEC-Grooving Tools GND Type

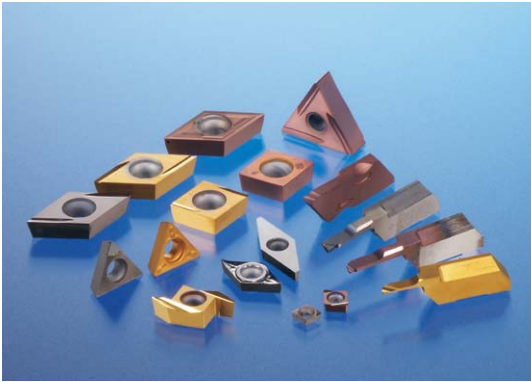
Full range of shanks for small product machining
Can be used for grooving diameters of 1.25 mm and above



👉 From F10

Small Product Machining Tool Grade Selection

Full support for small product machining with a wide selection of tools !



In 1984, Sumitomo Electric Hardmetal first released the SEC-MINI Tool Holder series for the machining of small components in small NC autolathes. A full range of insert grades comprising of the Cermet T1500A, Carbide BL130, SUMIBORON BN2000, SUMIDIA DA1000 and especially ACE-Coat AC530U, was also introduced to meet a variety of machining requirements. A high-precision grade ACE-COAT ACZ150 has been added in support of the wide range of precision application requirements, from automotive to electronic components machining.

● Grade Selection

Category	Application Range			Work Material					
	High Precision	Finish-Light Cut	Medium Cut	General Steel	Stainless Steel	Cast Iron	Heat Resistant Steel	Hardened Steel	Non-Ferrous Metal
Coated Carbide (PVD)	ACZ150			◎	◎				○
	AC510U			○	◎	○	◎		
	AC520U			○	◎	○	◎		
	AC530U			◎	◎	○	○		○
Cermet/Coated Cermet	T1000A			◎	○	◎			○
	T1500A/T1500Z			◎	○	○			○
Carbide	BL130			○	○	○			○
	H1			○	○	○			◎
	EH510			○	○	○	◎		○
CBN(SUMIBORON)	BN1000/BN2000							◎	
SUMIDIA	DA1000								◎
	DA2200								◎

◎1st Recommendation ◎2nd Recommendation

■ Recommended Cutting Conditions

Grade	P Free Cutting Steel		P Carbon Steel		M Stainless Steel		H Hardened Steel		N Aluminum		N Brass	
	v _c (m/min)	f (mm/rev)	v _c (m/min)	f (mm/rev)	v _c (m/min)	f (mm/rev)	v _c (m/min)	f (mm/rev)	v _c (m/min)	f (mm/rev)	v _c (m/min)	f (mm/rev)
ACZ150	50 to 200	0.02 to 0.10	50 to 150	0.01 to 0.08	*50 to 150	*0.01 to 0.05			70 to 300	0.05 to 0.20	70 to 300	0.05 to 0.20
AC510U	50 to 200	0.02 to 0.15	50 to 200	0.02 to 0.10	*50 to 200	*0.02 to 0.10					70 to 300	0.05 to 0.20
AC520U	50 to 200	0.02 to 0.15	50 to 200	0.02 to 0.10	*50 to 200	*0.02 to 0.10					70 to 300	0.05 to 0.20
AC530U	50 to 200	0.02 to 0.15	50 to 200	0.02 to 0.10	*50 to 200	*0.02 to 0.10					70 to 300	0.05 to 0.20
T1000A	50 to 200	0.02 to 0.15	50 to 200	0.02 to 0.10	50 to 150	0.02 to 0.10			70 to 300	0.05 to 0.20	70 to 300	0.05 to 0.20
T1500A	50 to 200	0.02 to 0.15	50 to 200	0.02 to 0.10	50 to 150	0.02 to 0.10			70 to 300	0.05 to 0.20	70 to 300	0.05 to 0.20
T1500Z	50 to 200	0.02 to 0.15	50 to 200	0.02 to 0.10	50 to 150	0.02 to 0.10			70 to 300	0.05 to 0.20	70 to 300	0.05 to 0.20
BN1000							50 to 200	0.02 to 0.10				
BN2000							50 to 120	0.02 to 0.10				
DA1000									70 to 300	0.02 to 0.10	70 to 300	0.02 to 0.10
DA2200									70 to 300	0.02 to 0.10	70 to 300	0.02 to 0.10

* ACZ150 is recommended for work diameter of less than $\phi 20$ mm and AC530U for work diameter of $\phi 20$ mm or more. * Pls use max. possible C/speed

Values in red: 1st recommendation Values in blue: 2nd recommendation

Small Product Machining Tool Chipbreaker Selection






Insert Series

Insert Specifications

Insert Class	M Class	G Class	E Class
			
Height Tolerance	±0.13mm	±0.13mm	±0.025mm
Characteristics	Side surfaces are sintered finish	Side surfaces are ground	Side surfaces are ground. Thickness tolerances are smaller than G-class insert
Application	Roughing to light cut	Finishing to light cut	High precision to finishing
Cat. No.	CCMT09T304N-LU DCMT070208N-SU	CCGT09T304R-FX DCGT11T302MN-SI(*)	CCET09T302R-FX DCE0702018L-FY

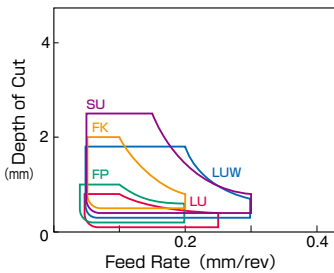
(*) A catalogue number with a feed direction symbol prefixed with "M" means that the product has a nose radius with minus tolerance.

Chipbreaker Selection

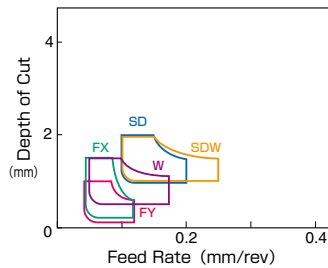
	Finishing -Light Cut	Characteristics
Parallel Type	FX Type 	Best suited for general purpose ext. finishing with larger depths.
Wide Type	FY Type 	Performs necking process without burring, and facing process without chattering
Molded Type	FC Type SI Type  	3D breaker with both good chip control and cutting edge. FC Type is for fine finishing, and the SI Type should be used when there is no constant depth of cut.
	AG Type 	AG type is specially used for Al alloys with sharp edge and low adhesion.

Finish to Light Cut Chipbreaker Application Range

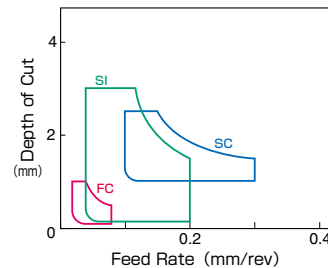
M Class Finishing to Light Cut



G Class Ground Type








G Class Breaker





Chipbreakers for Finishing to Light Cut



Positive Type / M Class

LU Type  Chip control significantly improved in fine cutting Relief angle: 5° 7° 11° CCMT09T300	LUW Type  High performance finishing breaker with wiper edge Relief angle: 7° 11° CCMT09T300	FP Type  Fine cutting breaker with two step breaker structure Relief angle: 7° CCMT09T300	FK Type  Finishing breaker with sharp edge and good chip control Relief angle: 11° TPMT160400	SU Type  General-purpose breaker with sharp edge Relief angle: 7° 11° TPMT160400
---	--	---	--	--






Positive Type / M Class

FB Type  Finishing breaker for good chip control and excellent surface finish of soft steel Relief angle: 5° 7° 11° CCMT09T300	LB Type  Light-cutting breaker with sharp edge and good chip control Relief angle: 5° 7° 11° CCMT09T300
--	---





Positive Type / G Class / Ground Type

AX Type  Parallel type breaker with excellent sharpness for Al machining Relief angle: 0° CNGG120400	AY Type  High quality ground breaker for excellent finishing of Al Relief angle: 5° 7° 11° CCGT09T300
---	---

Positive Type / G Class / Ground Type

FX Type  Parallel breaker with sharp edge Relief angle: 5° 7° 11° TPGT110300	FY Type  Wide breaker with sharp edge Relief angle: 5° 7° 11° TPGT110300	W Type  Wide type finishing breaker Relief angle: 5° 11° TPGR110300	SD Type  Stepped parallel ground type Relief angle: 7° 11° TPGT110300	SDW Type  Parallel ground breaker with high performance wiper edge Relief angle: 11° TPGX110300
--	--	---	--	---

Positive Type / G Class

FC Type  Peripheral grinding 3D breaker with good chip control and sharp edge Relief angle: 7° 11° CCGT09T300	SI Type  Sharper-edge breaker for a wide range of cutting applications from finishing to light cutting Relief angle: 7° CCGT09T300	SC Type  Two step breaker for light cutting Relief angle: 7° TCGT110300	AG Type  Al breaker for mirror finish and anti-adhesion Relief angle: 7° CCGT09T300
---	--	---	--

Work Material : P Steel M Stainless Steel K Cast Iron N Non-Ferrous Metal S Exotic Alloy

SPB Type

Very Small Diameter Machining Tool Holders



Characteristics

- High rigidity type expansion for gang-type autolathes
- Inserts for various purposes can be use on a single holder
- Can also be use on turret-type tool posts
- Utilizing BL 130, which has both a very sharp edge, as well as high wear resistance
- Ultra-fine grained carbide grade F1, which was previously meant for brazed bite, is now available as an insert grade
- Customers can modify the blank inserts according to their own requirements

Adopted Grades

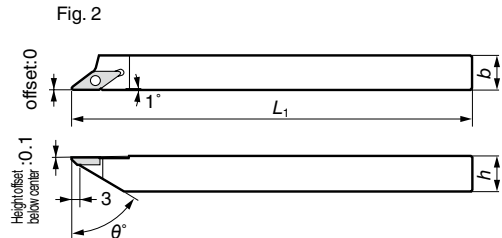
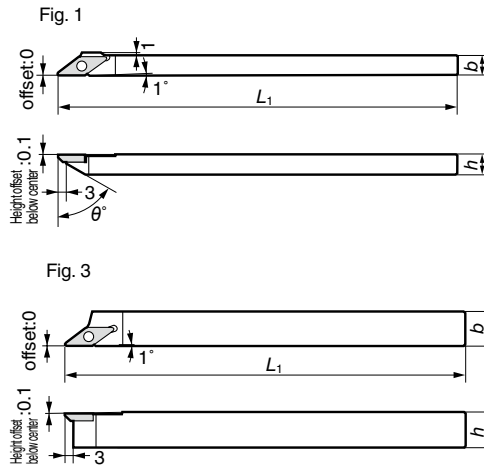
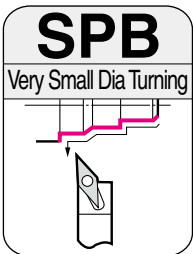
Work Material	Stainless Steel		Brass, Non-Ferrous metals
	General Steel	Austenitic Ferritic Martensitic	
Grade			
BL130	○	○	○
F1	○	◎	○

Application Examples

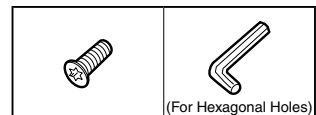
Watch component

Tool: BL130 (PBVFN1102R)
Work: SUS420F
Conditions:
 $v_c=7$ to 11m/min
 $f=0.006\text{mm/rev}$

Very Small Product Turning



Parts



Holder

Above figures show right hand tools.

Tool Post	Cat. No.	Stock		Dimensions (mm)				Fig.	Screw	Recommended Tightening Torque (N·m)	Wrench
		R	L	h	b	L ₁	θ°				
Turret-type	SPB R/L0707-70	●	●	7	7	140	70	1	BFTX02505N	1.1	LT08-06
	SPB R/L0808-60	●	●	8	8	140	60	2	BFTX02506N	1.5	
	SPB R/L0808-70	●	●	8	8	140	70	2	BFTX02505N	1.1	
	SPB R/L0909-70	●	●	9.5	9.5	140	70	2	BFTX02505N	1.1	
	SPB R/L1010-60	●	●	10	10	140	60	2	BFTX02506N	1.5	
	SPB R/L1212-60	●	●	12	12	140	60	2	BFTX02506N	1.5	
Gang-type	SPB R0808	●	—	8	8	140	—	3	BFTX02506N	1.5	LT08-06
	SPB R1010	●	—	10	10	140	—	3	BFTX02506N	1.5	
	SPB R1212	●	—	12	12	140	—	3	BFTX02506N	1.5	

■ Insert

● Blank Insert

Cat. No.	Dimensions (mm)	Application	Fig	BL 130	F1
	ℓ				
PBVX 1102R-NB	17.2	General	1	●	●
PBVX 1102L-NB	17.2				
PBVX 1102R-SB	(20.14)	Sharp edge	2	●	●
PBVX 1102L-SB					
PBVX 1102R-BB	17.2	Special	3	●	●
PBVX 1102L-BB					

● Grooving Insert

Cat. No.	Dimensions (mm)		BL 130	F1
	Groove Depth a_r	w		
PBVG 1102R-030	0.5	0.3	●	
PBVG 1102L-030				
PBVG 1102R-050	1.0	0.5	●	
PBVG 1102L-050				
PBVG 1102R-100	2.0	1.0	●	
PBVG 1102L-100				

● Turning Insert

Cat. No.	Dimensions (mm)	Wiper Edge	Fig	BL 130	F1
	Cutting Edge				
PBVFW 1102R	1.0	Yes	1	●	
PBVFW 1102L					
PBVFN 1102R	1.0	No	2	●	
PBVFN 1102L					

● Cut-Off Insert

Cat. No.	Dimensions (mm)		Fig	BL 130	F1
	Max. Cut-Off Dia.	w			
PBVC 1102R-50	ø5.0	1.0	1	●	
PBVC 1102L-50			2		

● Back-Turning Insert

Cat. No.	Dimensions (mm)	Wiper Edge	Fig	BL 130	F1
	Cutting Edge				
PBVBW 1102R	1.0	Yes (2°)	1	●	
PBVBW 1102L					
PBVBN 1102R	1.0	No (5°)	2	●	
PBVBN 1102L					

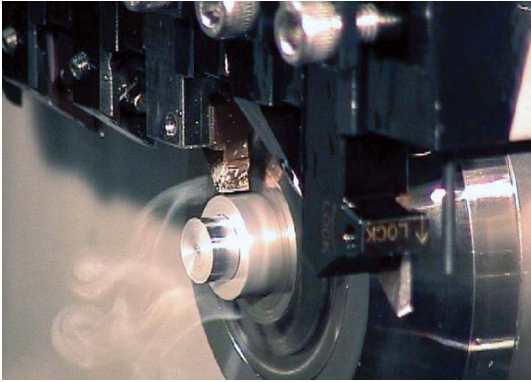
● Threading Insert

Cat. No.	Dimensions (mm)		Fig	BL 130	F1
	Pitch				
PBVTF 1102R	0.2 to 0.5		1	●	
PBVTF 1102L					
PBVTB 1102R	0.2 to 0.5		2	●	
PBVTB 1102L					

■ Recommended Cutting Conditions

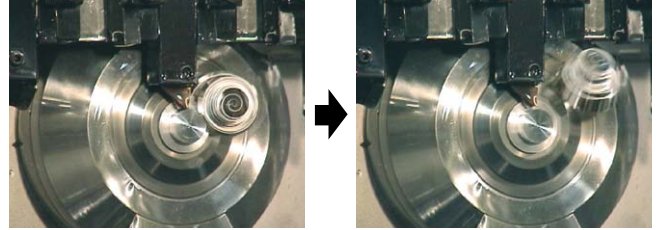
Work	P Carbon Steel	P Free Cutting Steel	M Stainless Steel	N Non-Ferrous Metal
Cutting Speed v_c (m/min)	5 to 80	5 to 80	5 to 50	5 to 100
Feed Rate f (mm/rev)	0.003 to 0.05			
Coolant	Oil-base			

SGW Type



Characteristics

- For high efficiency machining of Brass and Aluminum work that have small diameters with long shanks
- Coin-shaped chip produced does not adhere to holder



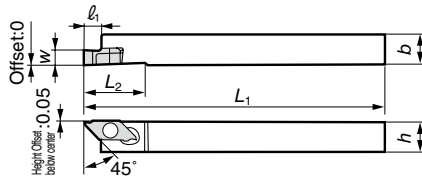
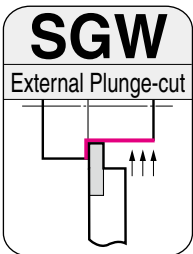
Application Examples

	Machining Time 2.8secs! (Half of conv.)	Holder: SGWR1212 Insert: KGVR500 Work: Aluminum A5056 Conditions: Spindle Speeds: $n=4,000\text{min}^{-1}$ Feed Rate: $f=0.1\text{mm/rev}$

- Recommended Conditions**
- Applicable Work Material : Aluminum, Brass, Carbon Steel, Stainless Steel, etc.
 - Spindle Speeds : $4,000$ to $6,000\text{min}^{-1}$
(please maintain spindle speeds set)
 - Feed Rates : 0.05 to 0.15mm/rev

* Please ensure that the machine has enough spindle power to prevent machine stoppages during machining; especially when machining Carbon Steel and Stainless Steel workpieces.

External Plunge-cut



Holder

Cat. No.	Stock	Dimensions (mm)					Screw	Recommended Tightening Torque (N·m)	Wrench
		h	b	L ₁	l ₁	L ₂			
SGW R1212	●	12	12	120	6.5	24	BFTX0410T8R	1.1	TRX08
SGW R1616	●	16	16	120	6.5	24			

Parts

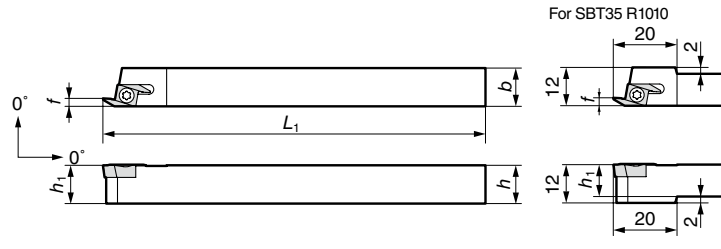
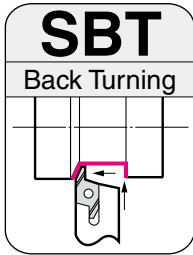
Screw	Wrench

Insert

Cat. No.	Dimensions (mm)	
	W	AC530U
KGVR400	4.0	●
KGVR500	5.0	●
KGVR600	6.0	●

SBT/PBT Type

Back Turning



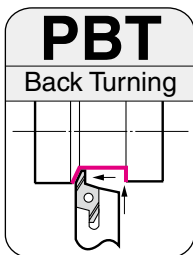
Parts

Screw	(For Torx Holes) Wrench
BFTX0307N	TRX10
Recommended Tightening Torque (N·m)	2.0

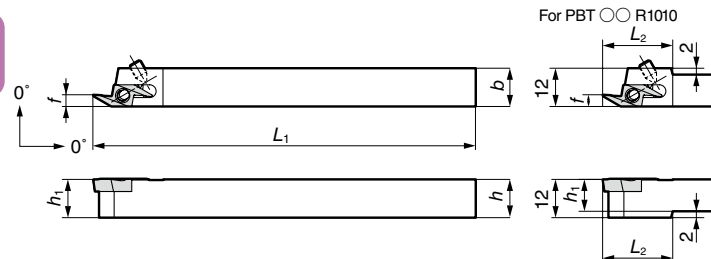
Holder

Above figures show right hand tools.

Cat. No.	Stock	Dimensions (mm)						Applicable Insert
		h	b	L ₁	f	h ₁		
SBT35 R1010	●	10	10	120	2.5	10	BTR35 ○○	
SBT35 R1212	●	12	12	120	9.5	12		
SBT35 R1616	●	16	16	120	13.5	16		
SBT35 R2020	●	20	20	125	17.5	20		



Side lever locking holders



Parts

Lever Pin	Clamp Bolt	Pin	(For Hexagonal Holes) Wrench
LCL09	BTT0407 BTT0411	LP07	TH020

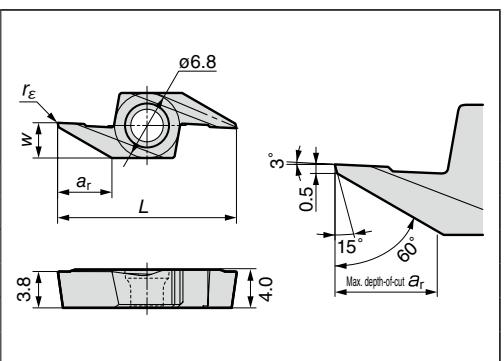
Holder

Above figures show right hand tools.

Cat. No.	Stock	Dimensions (mm)								Applicable Insert	Lever Pin	Clamp Bolt	Pin	Wrench
		h	b	L ₁	f	h ₁	L ₂							
PBT35 R1010	●	10	10	120	2.5	10	20	BTR35 ○○	LCL09	BTT0407 BTT0411	LP07	TH020		
PBT35 R1212	●	12	12	120	2.5	12	—							
PBT35 R1616	●	16	16	120	2.5	16	—							
PBT35 R2020	●	20	20	120	2.5	20	—							
PBT55 R1010	●	10	10	120	3.7	10	22	BTR55 ○○	LCL09	BTT0407 BTT0411	LP07	TH020		
PBT55 R1212	●	12	12	120	3.7	12	—							
PBT55 R1616	●	16	16	120	3.7	16	—							
PBT55 R2020	●	20	20	120	3.7	20	—							
PBT80 R1010	●	10	10	120	5.2	10	25	BTR80 ○○	LCL09	BTT0407 BTT0411	LP07	TH020		
PBT80 R1212	●	12	12	120	5.2	12	—							
PBT80 R1616	●	16	16	120	5.2	16	—							
PBT80 R2020	●	20	20	120	5.2	20	—							

Insert (Coated Carbide/ Cermet)

Cat. No.	Stock				Dimensions (mm)				Applicable Holder
	Coated Carbide		Cermet		L	a _r	w	r _ε	
	AC530U	ACZ150	T11500A	T1200A					
BT R3505	●	●	●	▲	15	3.5	2.5	0.05	SBT35R ○○○○
BT R3515	●	●	●	▲	15	3.5	2.5	0.15	PBT35R ○○○○
BT R5505	●	●	—	—	19	5.5	3.7	0.05	PBT55R ○○○○
BT R5515	●	●	—	—	19	5.5	3.7	0.15	PBT55R ○○○○
BT R8005	●	●	—	—	24	8.0	5.2	0.05	PBT80R ○○○○
BT R8015	●	●	—	—	24	8.0	5.2	0.15	PBT80R ○○○○

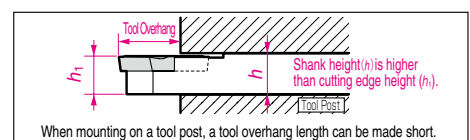


Recommended Cutting Conditions

Work material	P Carbon Steel		P Free-cutting Steel		M Stainless Steel	
	Plunging	Traverse	Plunging	Traverse	Plunging	Traverse
Cutting Speed v _c (m/min)	50 to 150		50 to 150		50 to 150	
Feed Rate f (mm/rev)	0.02 to 0.05	0.02 to 0.10	0.02 to 0.10	0.02 to 0.15	0.02 to 0.04	0.02 to 0.06
Coolant	Oil based					

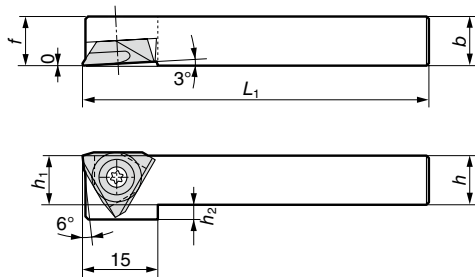
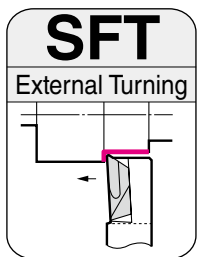
Shank Tolerance of SBT Type/PBT Type

The shank height (h) has a plus tolerance (0.1-0.3) in order to avoid interference with the tool post.







External Turning



Parts

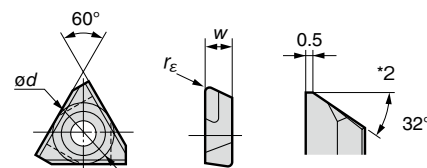
	
	(For Torx Holes)
Screw	Wrench
TFR33○○	BFTX0410NSW RT08

Holder

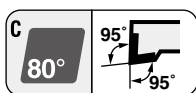
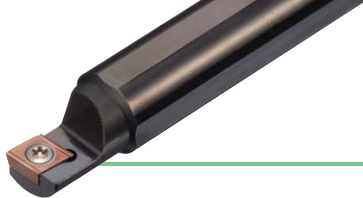
Cat. No.	Stock	Dimensions (mm)						Applicable Insert
		h	b	L ₁	f	h ₁	h ₂	
SFT R1010	●	10	10	120	10	10	3	TFR33○○
SFT R1212	●	12	12	120	12	12	1	
SFT R1616	●	16	16	120	16	16	—	
SFT R2020	●	20	20	120	20	20	—	

Insert

Cat. No.	Stock	Dimensions (mm)			Holder
	ACZ150	ød	w	r _ε	
TF R3300	●	9.525	4.76	—	SFT R○○○○
TF R3305	●	9.525	4.76	0.05	
TF R3315	●	9.525	4.76	0.15	
TF R3320	●	9.525	4.76	0.20	



*1 Max. depth-of-cut is 4.0 mm.
*2 Indicates angle when setting the holder.



SEC-Round Shank Tool Holders

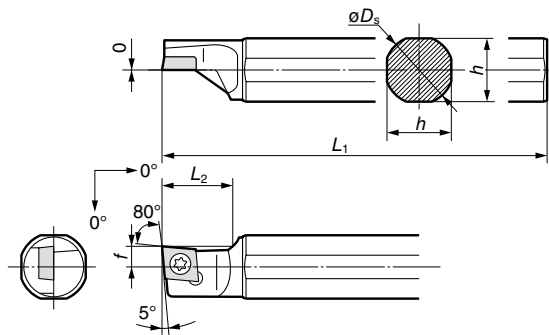
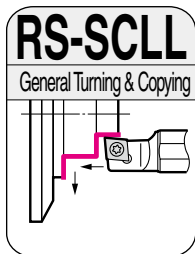
RS-SCLL Type



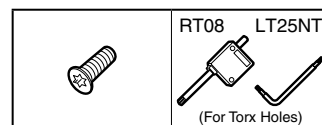
Characteristics

- Shank diameters from $\varnothing 14$ to $\varnothing 25$ are stocked. Holders can be fitted on machines of different makes.
- Bars can be mounted from the rear of the sleeve to increase the tooling range.

General Turning



Parts



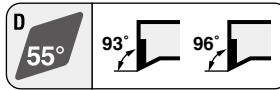
Holder

Above figures show left hand tools.

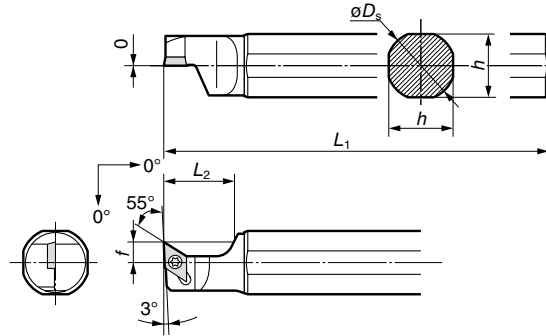
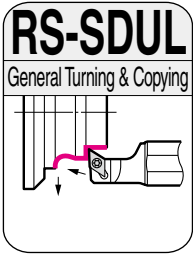
Cat. No.	Stock	Dimensions (mm)						Applicable Insert	Screw	Wrench
		$\varnothing D_s$	h	L_1	f	L_2				
RS15H-SCLL06	●	15.875	15	100	6.0	20	CC□□0602	BFTX02507NT	RT08	
RS19X-SCLL06	●	19.05	18	120	6.0	20				
RS20X-SCLL06X	●	20	19	95	6.0	20				
RS20X-SCLL06	●	20	19	120	6.0	20				
RS22X-SCLL06	●	22	21	120	6.0	20				
RS25X-SCLL06	●	25	24	120	6.0	20				
RS25M-SCLL06	●	25.4	24	150	6.0	20	CC□□09T3	BFTX0408NT	LT25NT	
RS15H-SCLL09	●	15.875	15	100	6.0	20				
RS19X-SCLL09	●	19.05	18	120	6.0	20				
RS20X-SCLL09S	●	20	19	95	6.0	20				
RS20X-SCLL09	●	20	19	120	6.0	20				
RS22X-SCLL09	●	22	21	120	6.0	20				
RS25X-SCLL09	●	25	24	120	6.0	20				
RS25M-SCLL09	●	25.4	24	150	6.0	20				

* Right handed or neutral handed inserts are applicable. [Insert selection](#) From D25

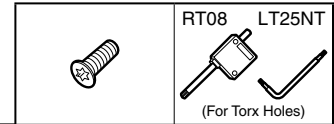
RS-SDUL/RS-SDXL Type



General Turning



Parts

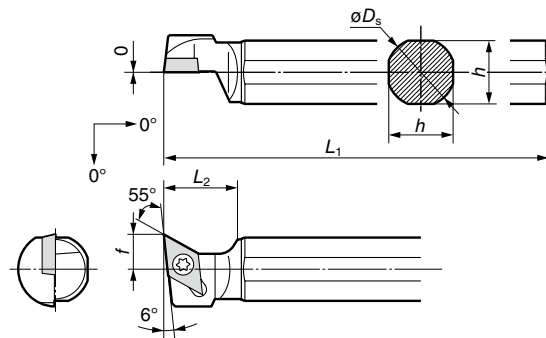
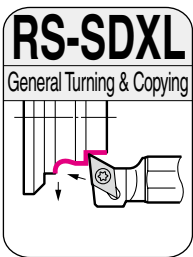


Holder

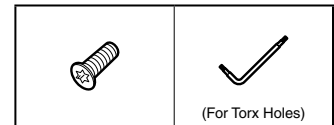
Above figures show left hand tools.

Cat. No.	Stock	Dimensions (mm)						Applicable Insert	Screw	Wrench
		ϕD_s	h	L_1	f	L_2				
RS14F-SDUL07	●	14	13	80	6.0	20	DC□□0702	BFTX02507NT	RT08	
RS15H-SDUL07	●	15.875	15	100	6.0	20				
RS16F-SDUL07	●	16	15	80	6.0	20				
RS16X-SDUL07	●	16	15	120	6.0	20				
RS19X-SDUL07	●	19.05	18	120	6.0	20				
RS20X-SDUL07S	●	20	19	95	6.0	20				
RS20X-SDUL07	●	20	19	120	6.0	20				
RS22X-SDUL07	●	22	21	120	6.0	20	DC□□11T3	BFTX0410NT	LT25NT	
RS19X-SDUL11	●	19.05	18	120	10.0	20				
RS20X-SDUL11S	●	20	19	95	10.0	20				
RS20X-SDUL11	●	20	19	120	10.0	20				
RS22X-SDUL11	●	22	21	120	10.0	20				
RS25X-SDUL11	●	25	24	120	10.0	20				
RS25M-SDUL11	●	25.4	24	150	10.0	20				

* Right handed or neutral handed inserts are applicable. [Insert selection](#) From D20



Parts



Holder

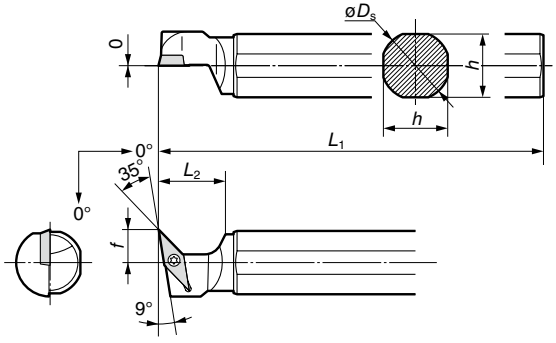
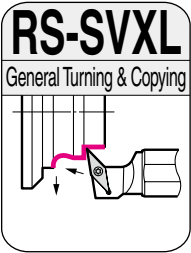
Above figures show left hand tools.

Cat. No.	Stock	Dimensions (mm)						Applicable Insert	Screw	Wrench
		ϕD_s	h	L_1	f	L_2				
RS19X-SDXL11	●	19.05	18	120	10.0	20	DC□□11T3	BFTX0410NT	LT25NT	
RS20X-SDXL11S	●	20	19	95	10.0	20				
RS20X-SDXL11	●	20	19	120	10.0	20				
RS25X-SDXL11	●	25	24	120	10.0	20				

* Right handed or neutral handed inserts are applicable. [Insert selection](#) From D20



General Turning



Parts

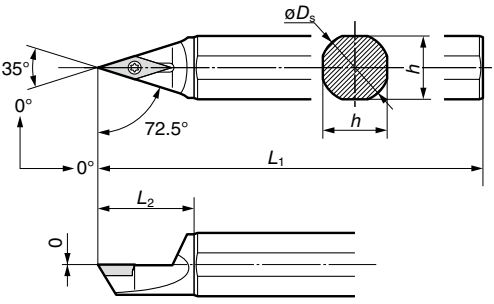
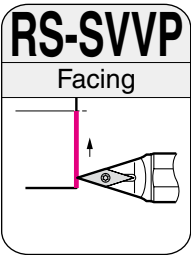
	(For Torx Holes)
Screw	Wrench
BFTX02507NT	RT08

Holder

Above figures show left hand tools.

Cat. No.	Stock	Dimensions (mm)						Applicable Insert
		ϕD_s	h	L_1	f	L_2		
RS15H-SVXL11	●	15.875	15	100	10.0	20	VC□□1103	
RS19X-SVXL11	●	19.05	18	120	10.0	20		
RS20X-SVXL11S	●	20	19	95	10.0	20		
RS20X-SVXL11	●	20	19	120	10.0	20		
RS22X-SVXL11	●	22	21	120	10.0	20		
RS25X-SVXL11	●	25.4	24	150	10.0	20		

* Right handed or neutral handed inserts are applicable. [Insert selection](#) From D32



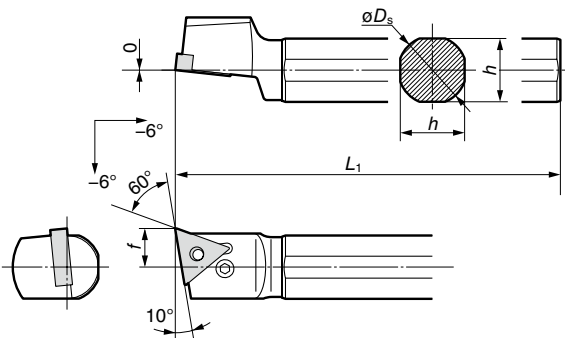
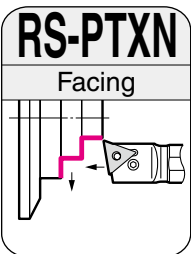
Parts

	(For Torx Holes)
Screw	Wrench
BFTX02507NT	RT08

Holder

Cat. No.	Stock	Dimensions (mm)						Applicable Insert
		ϕD_s	h	L_1	f	L_2		
RS19X-SVVPN11	●	19.05	18	120	9.0	27	VP□□1103	
RS22X-SVVPN11	●	22	21	120	10.5	27		

[Insert selection](#) D33



Parts

		(For Hexagonal Holes)
Lever Pin	Screw	Wrench
LCL33NT	LCS33NT	LH020NT

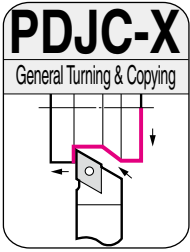
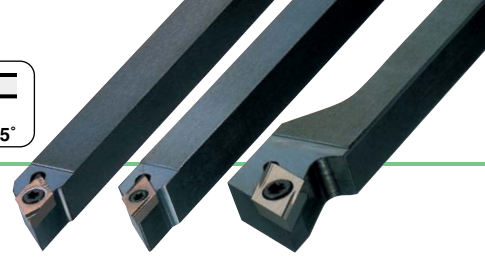
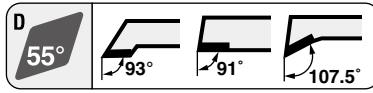
Holder

Above figures show left hand tools.

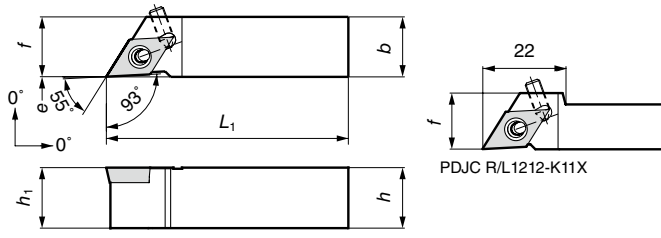
Cat. No.	Stock	Dimensions (mm)						Applicable Insert
		ϕD_s	h	L_1	f			
RS19X-PTXNL16	●	19.05	18	120	11.0		TN□□1604	
RS20X-PTXNL16	●	20	19	120	11.0			
RS25M-PTXNL16	●	25.4	24	150	13.0			

* Right handed or neutral handed inserts are applicable. [Insert selection](#) From B54

Zero Off-set Holders



Side lever locking holders



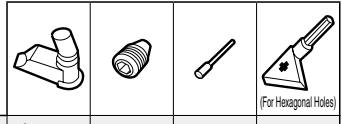
PDJC R/L1212-K11X

Holder

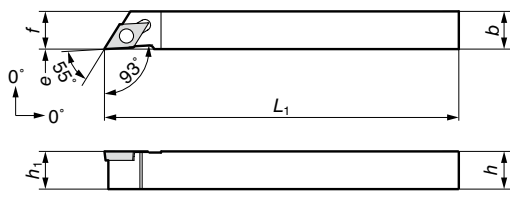
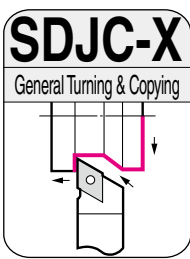
Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)						Applicable Insert	Lever Pin	Set Screw	Pin	Wrench
	R	L	h	b	L ₁	f	h ₁	e					
PDJC R/L1010-K07X	●		10	10	125	10	10	0	DC□T0702	LCCL06	BTT0407	LP04	TH020
PDJC R/L1212-K11X	●		12	12	125	15	12	0	DC□T11T3	LCL09	BTT0411	LP07	
PDJC R/L1616-K11X	●		16	16	125	16	16	0	DC□T11T3				

Parts



Insert selection From D20

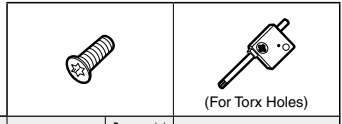


Holder

Above figures show right hand tools.

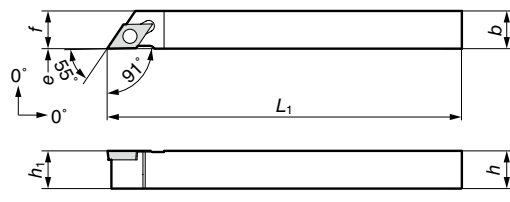
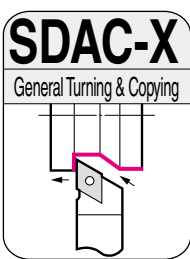
Cat. No.	Stock		Dimensions (mm)						Applicable Insert	Screw	Recommended Tightening Torque (N·m)	Wrench
	R	L	h	b	L ₁	f	h ₁	e				
SDJC R/L1010-H07X	●	●	10	10	100	10	10	0	DC□T0702	BFTX02506N	1.5	TRX08
SDJC R/L1215-K11X	●	●	12	15	125	15	12	0	DC□T11T3	BFTX0409N	3.4	TRX15
SDJC R/L1215-F11X	●	●	12	15	85	15	12	0	DC□T11T3			

Parts



85mm Shank

Insert selection From D20

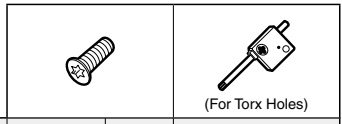


Holder

Above figures show right hand tools.

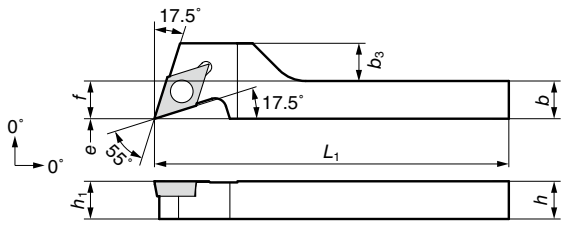
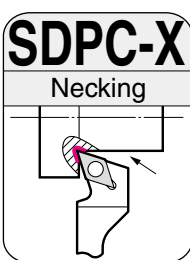
Cat. No.	Stock		Dimensions (mm)						Applicable Insert	Screw	Recommended Tightening Torque (N·m)	Wrench
	R	L	h	b	L ₁	f	h ₁	e				
SDAC R/L1010-H07X	●	●	10	10	100	10	10	0	DC□T0702	BFTX02506N	1.5	TRX08
SDAC R/L1215-K11X	●	●	12	15	125	15	12	0	DC□T11T3	BFTX0409N	3.4	TRX15
SDAC R/L1215-F11X	●	●	12	15	85	15	12	0	DC□T11T3			

Parts



85mm Shank

Insert selection From D20

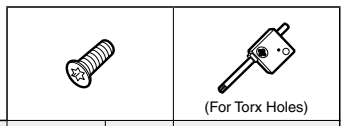


Holder

Above figures show right hand tools.

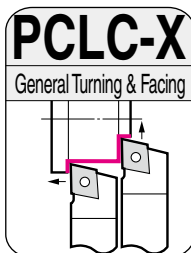
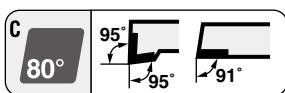
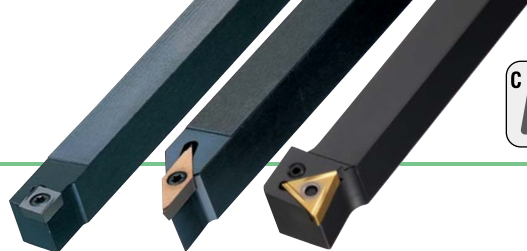
Cat. No.	Stock		Dimensions (mm)						Applicable Insert	Screw	Recommended Tightening Torque (N·m)	Wrench	
	R	L	h	b	L ₁	f	h ₁	b ₃					e
SDPC R/L1010-H11X	●	●	10	10	100	10	10	10	0	DC□T11T3	BFTX0409N	3.4	TRX15

Parts

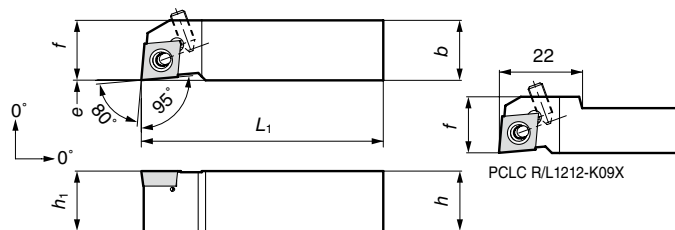


Insert selection From D20

SEC-MINI Tool Holders Zero Off-set Holders



Side lever locking holders

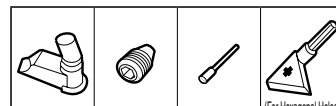


Holder

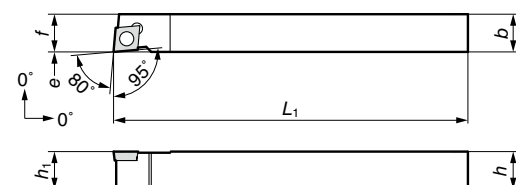
Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)						Applicable Insert	Lever Pin	Set Screw	Pin	Wrench
	R	L	h	b	L ₁	f	h ₁	e					
PCLC R/L1010-K06X	●		10	10	125	10	10	0	CC□T0602	LCL06	BTT0407	LP07	TH020
PCLC R/L1212-K09X	●		12	12	125	15	12	0	CC□T09T3	LCL09	BTT0411	LP06	
PCLC R/L1616-K09X	●		16	16	125	16	16	0	CC□T09T3				

Parts



Insert selection From D25

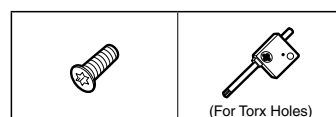


Holder

Above figures show right hand tools.

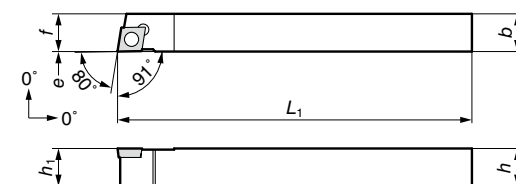
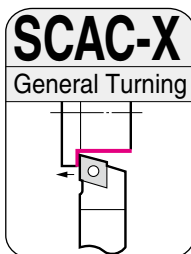
Cat. No.	Stock		Dimensions (mm)						Applicable Insert	Screw	Recommended Tightening Torque (N·m)	Wrench
	R	L	h	b	L ₁	f	h ₁	e				
SCLC R/L1010-H06X	●	●	10	10	100	10	10	0	CC□T0602	BFTX02506N	1.5	TRX08
SCLC R/L1215-K09X	●	●	12	15	125	15	12	0	CC□T09T3	BFTX0409N	3.4	TRX15
SCLC R/L1215-F09X	●	●	12	15	85	15	12	0	CC□T09T3			

Parts



85mm Shank

Insert selection From D25

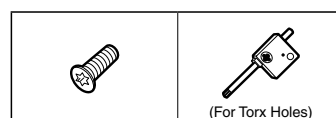


Holder

Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)						Applicable Insert	Screw	Recommended Tightening Torque (N·m)	Wrench
	R	L	h	b	L ₁	f	h ₁	e				
SCAC R/L1010-H06X	●	●	10	10	100	10	10	0	CC□T0602	BFTX02506N	1.5	TRX08
SCAC R/L1215-K09X	●	●	12	15	125	15	12	0	CC□T09T3	BFTX0409N	3.4	TRX15
SCAC R/L1215-F09X	●	●	12	15	85	15	12	0	CC□T09T3			

Parts

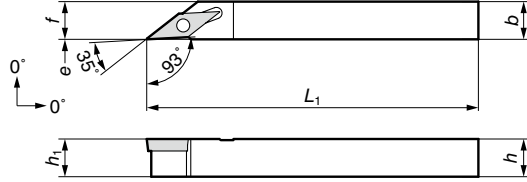
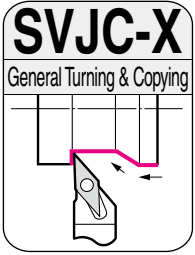
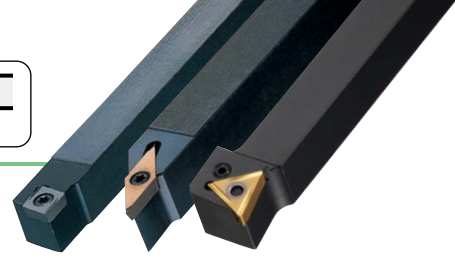
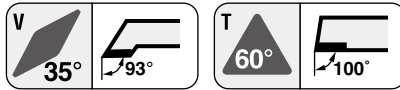


85mm Shank

Insert selection From D25

Small Product Machining

Zero Off-set Holders



■ Holder

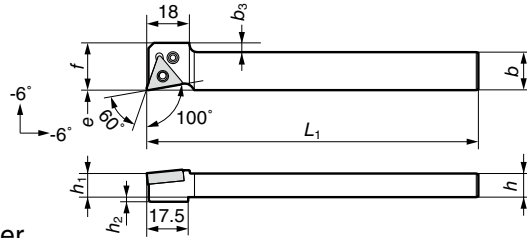
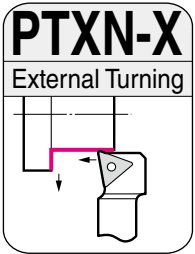
Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)						Applicable Insert
	R	L	h	b	L ₁	f	h ₁	e	
SVJC R/L1010-H11X	●	●	10	10	100	10	10	0	VC□T1103
SVJC R/L1212-K11X	●	●	12	12	125	12	12	0	VC□T1103
SVJC R/L1212-F11X	●	●	12	12	85	12	12	0	VC□T1103

■ Parts

Screw	Recommended Tightening Torque (N·m)	Wrench
BFTX02508NV	1.5	TRX08

Insert selection D32



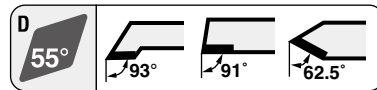
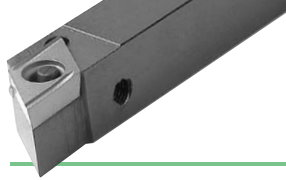
■ Holder

Cat. No.	Stock	Dimensions (mm)								Applicable Insert
		h	b	L ₁	f	h ₁	h ₂	b ₃	e	
PTXN R1016-X16X	●	10	16	120	20	10	2	4	0	TN□□1604
PTXN R1216-X16X	●	12	16	120	20	12	0	4	0	TN□□1604
PTXN R1616-X16X	●	16	16	120	20	16	0	4	0	TN□□1604
PTXN R2020-X16X	●	20	20	120	20	20	0	0	0	TN□□1604

■ Parts

Lever Pin	Screw	Wrench
LCL33NT	LCS33NT	LH020NT

Insert selection From B54



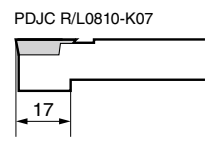
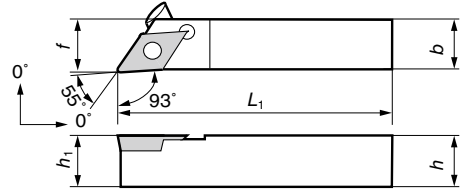
SEC-MINI Tool Holders

PD/SD Type (7° Relief)

External Turning

PDJC
General Turning & Copying

Side lever locking holders

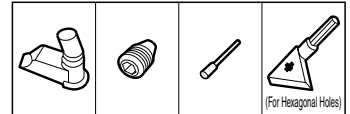


Holder

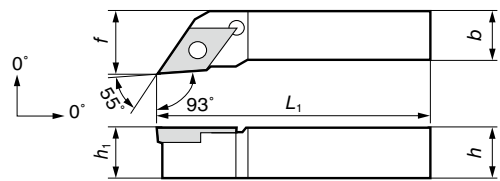
Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)					Applicable Insert	Lever Pin	Set Screw	Pin	Wrench
	R	L	h	b	L ₁	f	h ₁					
PDJC R/L0810-K07	●	●	8	10	125	10.5	8	DC□□0702	LCL06	BTT0407	LP04	TH020
PDJC R/L1010-K07	●	●	10	10	125	10.5	10	DC□□0702				
PDJC R/L1212-M11	●	●	12	12	150	12.5	12	DC□□11T3	LCL09	BTT0411	LP07	
PDJC R/L1616-M11	●	●	16	16	150	16.5	16	DC□□11T3				
PDJC R/L2020-M11	●	●	20	20	150	20.5	20	DC□□11T3				

Parts



SDJC
General Turning & Copying

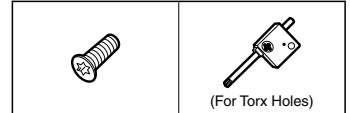


Holder

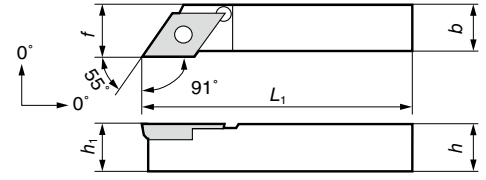
Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)					Applicable Insert	Screw	Recommended Tightening Torque (N·m)	Wrench
	R	L	h	b	L ₁	f	h ₁				
SDJC R/L0808-07	●		8	8	100	10	8	DC□□0702	BFTX02506N	1.5	TRX08
SDJC R/L1010-07	●	●	10	10	100	12	10	DC□□0702			
SDJC R/L1212-11	●	●	12	12	100	16	12	DC□□11T3	BFTX0409N	3.4	TRX15
SDJC R/L1616-11	●	●	16	16	100	20	16	DC□□11T3			
SDJC R/L2020-11	●	●	20	20	125	24	20	DC□□11T3			

Parts



SDAC
General Turning & Copying

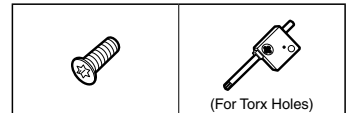


Holder

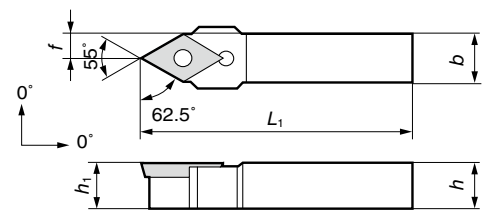
Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)					Applicable Insert	Screw	Recommended Tightening Torque (N·m)	Wrench
	R	L	h	b	L ₁	f	h ₁				
SDAC R/L0808-07	●	●	8	8	100	8.5	8	DC□□0702	BFTX02506N	1.5	TRX08
SDAC R/L1010-07	●	●	10	10	100	10.5	10	DC□□0702			
SDAC R/L1212-11	●	●	12	12	100	12.5	12	DC□□11T3	BFTX0409N	3.4	TRX15
SDAC R/L1616-11	●	●	16	16	100	16.5	16	DC□□11T3			
SDAC R/L2020-11	●	●	20	20	125	20.5	20	DC□□11T3			

Parts



SDNC
General Turning & Copying

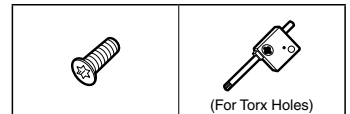


SDNC N1616
SDNC N2020

Holder

Cat. No.	Stock	Dimensions (mm)					Applicable Insert	Screw	Recommended Tightening Torque (N·m)	Wrench
		h	b	L ₁	f	h ₁				
SDNC N0808-07		8	8	100	4	8	DC□□0702	BFTX02506N	1.5	TRX08
SDNC N1010-07	●	10	10	100	5	10	DC□□0702			
SDNC N1212-11	●	12	12	100	6	12	DC□□11T3	BFTX0409N	3.4	TRX15
SDNC N1616-11	●	16	16	100	8	16	DC□□11T3			
SDNC N2020-11	●	20	20	125	10	20	DC□□11T3			

Parts



Small Product Machining

PD/SD Type



■ Insert (Coated Carbide / Cermet)

● 7° Relief E-Class

DCET FX	Stock	Dimensions (mm)		
		Inscribed Circle	Thickness	Nose Radius
Cat. No.	ACZ150			
DCET 0702003R-FX	●			0.03
0702003L-FX	●			0.03
0702008R-FX	●			0.08
0702008L-FX	●			0.08
070201R-FX	●			0.1
070201L-FX	●	6.35	2.38	0.1
0702018R-FX	●			0.18
0702018L-FX	●			0.18
070204R-FX	●			0.4
070204L-FX	●			0.4
DCET 11T3003R-FX	●			0.03
11T3003L-FX	●			0.03
11T3008R-FX	●			0.08
11T3008L-FX	●			0.08
11T301R-FX	●			0.1
11T301L-FX	●	9.525	3.97	0.1
11T3018R-FX	●			0.18
11T3018L-FX	●			0.18
11T304R-FX	●			0.4
11T304L-FX	●			0.4

DCET FY	Stock	Dimensions (mm)		
		Inscribed Circle	Thickness	Nose Radius
Cat. No.	ACZ150			
DCET 0702003R-FY	●			0.03
0702003L-FY	●			0.03
0702008R-FY	●			0.08
0702008L-FY	●			0.08
070201R-FY	●			0.1
070201L-FY	●	6.35	2.38	0.1
0702018R-FY	●			0.18
0702018L-FY	●			0.18
070204R-FY	●			0.4
070204L-FY	●			0.4
DCET 11T3003R-FY	●			0.03
11T3003L-FY	●			0.03
11T3008R-FY	●			0.08
11T3008L-FY	●			0.08
11T301R-FY	●			0.1
11T301L-FY	●	9.525	3.97	0.1
11T3018R-FY	●			0.18
11T3018L-FY	●			0.18
11T304R-FY	●			0.4
11T304L-FY	●			0.4

● 7° Relief G-Class

DCGT FC	Stock	Dimensions (mm)		
		Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC520U AC530U ACZ150 T1000A T1500A			
DCGT 070201MN-FC	●			<0.1
070202MN-FC	●			<0.2
070204MN-FC	●			<0.4
DCGT 11T301MN-FC	●			<0.1
11T302MN-FC	●			<0.2
11T304MN-FC	●			<0.4

Values for nose radius prefixed with "<" mean minus tolerances.

● 7° Relief G-Class

DCGT FX	Stock	Dimensions (mm)		
		Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC520U AC530U T1500Z T1000A T1500A T110A T1200A			
DCGT 0702003R-FX	●			0.03
0702003L-FX	●			0.03
070201R-FX	●			0.1
070201L-FX	●			0.1
070202R-FX	●			0.2
070202L-FX	●	6.35	2.38	0.2
070204R-FX	●			0.4
070204L-FX	●			0.4
DCGT 11T3003R-FX	●			0.03
11T3003L-FX	●			0.03
11T301R-FX	●			0.1
11T301L-FX	●	9.525	3.97	0.1
11T302R-FX	●			0.2
11T302L-FX	●			0.2

DCGT FY	Stock	Dimensions (mm)		
		Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC520U AC530U T1000A T1500A			
DCGT 0702003R-FY	●			0.03
0702003L-FY	●			0.03
070201R-FY	●			0.1
070201L-FY	●	6.35	2.38	0.1
070202R-FY	●			0.2
070202L-FY	●			0.2
070204R-FY	●			0.4
070204L-FY	●			0.4
DCGT 11T3003R-FY	●			0.03
11T3003L-FY	●			0.03
11T301R-FY	●			0.1
11T301L-FY	●	9.525	3.97	0.1
11T302R-FY	●			0.2
11T302L-FY	●			0.2
11T304R-FY	●			0.4
11T304L-FY	●			0.4

DCGT SD	Stock	Dimensions (mm)		
		Inscribed Circle	Thickness	Nose Radius
Cat. No.	T1500Z T1000A T1500A T110A T1200A			
DCGT 070202R-SD	●			0.2
070202L-SD	●			0.2
070204R-SD	●			0.4
070204L-SD	●	6.35	2.38	0.4
DCGT 11T304R-SD	●			0.4
11T304L-SD	●			0.4
11T308R-SD	●			0.8
11T308L-SD	●	9.525	3.97	0.8

DCGT SI	Stock	Dimensions (mm)		
		Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC610M AC630M AC510U AC520U AC530U T1500Z T1000A T1500A			
DCGT 070201MN-SI	●			<0.1
070202MN-SI	●			<0.2
070204MN-SI	●			<0.4
DCGT 11T301MN-SI	●			<0.1
11T302MN-SI	●			<0.2
11T304MN-SI	●			<0.4
11T308MN-SI	●			<0.8

Values for nose radius prefixed with "<" mean minus tolerances.

D
Small Product
Machining



PD/SD Type

■ Insert (Coated Carbide / Cermet / Carbide)

● 7° Relief G-Class

DCGT SC		Stock					Dimensions (mm)		
		AC530U	ACZ150	T1500Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.									
DCGT 0702003N-SC		●	●			▲	6.35	2.38	0.03
11T3003N-SC		●	●			▲	9.525	3.97	0.03
DCGT 070201MN-SC		●	●	●	●		6.35	2.38	<0.1
070202MN-SC		●	●	●	●				<0.2
070204MN-SC		●	●	●	●				<0.4
DCGT 11T301MN-SC		●	●	●	●		9.525	3.97	<0.1
11T302MN-SC		●	●	●	●				<0.2
11T304MN-SC		●	●	●	●				<0.4
11T308MN-SC		●	●	●	●				<0.8

Values for nose radius prefixed with "<" man minus tolerances.

DCGT AG		Stock					Dimensions (mm)		
		H1					Inscribed Circle	Thickness	Nose Radius
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

DCGT AY		Stock					Dimensions (mm)		
		H1					Inscribed Circle	Thickness	Nose Radius
Cat. No.									
DCGT 070201R-AY		●					6.35	2.38	0.1
070201L-AY		●							0.1
070202R-AY		●							0.2
070202L-AY		●							0.2
070204R-AY		●							0.4
070204L-AY		●					0.4		
DCGT 11T301R-AY		●					9.525	3.97	0.1
11T301L-AY		●							0.1
11T302R-AY		●							0.2
11T302L-AY		●							0.2
11T304R-AY		●							0.4
11T304L-AY		●							0.4

DCGW —		Stock					Dimensions (mm)		
		AC503U					Inscribed Circle	Thickness	Nose Radius
Cat. No.									
DCGW 070202		●					6.35	2.38	0.2
070204		●							0.4
070208		●							0.8
DCGW 11T302		●					9.525	3.97	0.2
11T304		●							0.4
11T308		●							0.8

● 7° Relief M-Class

DCMT FB		Stock					Dimensions (mm)		
		AC530U	T1500Z	T3000Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.									
DCMT 070202N-FB		●	●	●	●	●	6.35	2.38	0.2
070204N-FB		●	●	●	●	●			0.4
070208N-FB		●	●	●	●	●			0.8
DCMT 11T302N-FB		●	●	●	●	●	9.525	3.97	0.2
11T304N-FB		●	●	●	●	●			0.4
11T308N-FB		●	●	●	●	●			0.8

● 7° Relief G-Class

DCMT LU		Stock								Dimensions (mm)					
		AC810P	AC820P	AC830P	AC6030M	AC6040M	AC530U	T1500Z	T3000Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius	
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 FP		Stock					Dimensions (mm)		
		T1500A					Inscribed Circle	Thickness	Nose Radius
Cat. No.									
DCMT 070202N-FP		●					6.35	2.38	0.2
070204N-FP		●							0.4
DCMT 11T308N-FP		●					9.525	3.97	0.8

DCMT LB		Stock						Dimensions (mm)						
		AC820P	AC830P	AC6030M	AC6040M	T1500Z	T3000Z	T1500A	Inscribed Circle	Thickness	Nose Radius			
Cat. No.														
DCMT 070202N-LB		●	●	●	●	●	●	●	●	●	●	6.35	2.38	0.2
070204N-LB		●	●	●	●	●	●	●	●	●	●			0.4
070208N-LB		●	●	●	●	●	●	●	●	●	●			0.8
DCMT 11T302N-LB		●	●	●	●	●	●	●	●	●	●	9.525	3.97	0.2
11T304N-LB		●	●	●	●	●	●	●	●	●	●			0.4
11T308N-LB		●	●	●	●	●	●	●	●	●	●			0.8

DCMT SU		Stock								Dimensions (mm)					
		AC810P	AC820P	AC830P	AC610M	AC6030M	AC6040M	AC530U	T1500Z	T3000Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
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)						
		AC810P	AC820P	AC830P	AC6030M	AC6040M	AC405K	AC415K	AC420K	Inscribed Circle	Thickness	Nose Radius		
Cat. No.														
DCMT 11T304N-MU		●	●	●	●	●	●	●	●	●	●	9.525	3.97	0.4
11T308N-MU		●	●	●	●	●	●	●	●	●	●			0.8

DCMW —		Stock				Dimensions (mm)			
		AC405K	AC415K	AC420K	AC410K	Inscribed Circle	Thickness	Nose Radius	
Cat. No.									
DCMW 070204		●	●	●	▲		6.35	2.38	0.4
070208		●	●	●	▲				0.8
DCMW 11T304		●	●	●	▲		9.525	3.97	0.4
11T308		●	●	●	▲				0.8

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

PD/SD Type



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

● Uncoated SUMIBORON One-use Type

(●▲mark: Only 1pc. per package in stock, ●▲mark: Both 1pc. per package and 10pc. per package in stock)

NU-DCGW		Stock					Dimensions (mm)		
		BN1000	BN2000	BN250	BN7000	BN700	Inscribed Circle	Thickness	Nose Radius
Cat. No.									
NU-DCGW 070202		●	●	▲	●	●	6.35	2.38	0.2
070204		●	●	▲	●	●			0.4
070208		●	●	▲	●	●			0.8
070202LT		—	●	—	—	—			0.2
070204LT		—	●	—	—	—			0.4
070208LT		—	●	—	—	—			0.8
070202LS		—	—	▲	—	—			0.2
070204LS		—	—	▲	—	—			0.4
070208LS		—	—	▲	—	—			0.8
070202HS		—	●	—	—	—			0.2
070204HS		—	●	—	—	—	0.4		
NU-DCGW 11T302		●	●	▲	●	●	9.525	3.97	0.2
11T304		●	●	▲	●	●			0.4
11T308		●	●	▲	●	●			0.8
11T312		●	●	▲	●	●			1.2
11T302LF		—	—	—	●	●			0.2
11T304LF		—	—	—	●	●			0.4
11T302LT		—	●	—	—	—			0.2
11T302LT		—	●	—	—	—			0.2
11T304LT		—	●	—	—	—			0.4
11T308LT		—	●	—	—	—			0.8
11T312LT		—	●	—	—	—			1.2
11T302LS		—	—	▲	—	—			0.2
11T304LS		—	—	▲	—	—			0.4
11T308LS		—	—	▲	—	—			0.8
11T312LS		—	—	▲	—	—			1.2
11T302HS		—	●	—	—	—			0.2
11T304HS		—	●	—	—	—			0.4
11T308HS		—	●	—	—	—			0.8

* LF: Sharp Edge, LT: Small Edge Treatment Type, LS: Continuous Cutting General Type, HS: Strong Edge Type

● Uncoated SUMIBORON One-use Type/Multi-corner

2NU-DCGW		Stock			Dimensions (mm)		
		BN2000	BN7000	BN7500	Inscribed Circle	Thickness	Nose Radius
Cat. No.							
2NU-DCGW 070204			●	●	6.35	2.38	0.4
070208			●	●			0.8
2NU-DCGW 11T302		●	●	●	9.525	3.97	0.2
11T304		●	●	●			0.4
11T308		●	●	●			0.8
11T304WG		●	—	—			0.4
11T308WG		●	—	—			0.8
11T304WH		●	—	—			0.4
11T308WH		●	—	—			0.8
11T302LF		—	●	●			0.2
11T304LF		—	●	●			0.4
11T308LF		—	●	●			0.8
11T302LE		—	●	●			0.2
11T304LE		—	●	●			0.4
11T308LE		—	●	●			0.8
11T302LS		—	●	●			0.2
11T304LS		—	●	●			0.4
11T308LS		—	●	●			0.8

* WG/WH: Wiper Insert, LF/LE: Sharp Edge, LS: Continuous Cutting General Type

● Uncoated SUMIBORON Break Master

2NU-DCGT		Stock			Dimensions (mm)		
		BN2000			Inscribed Circle	Thickness	Nose Radius
Cat. No.							
2NU-DCGT 070204N-FV		●			6.35	2.38	0.4
2NU-DCGT 11T304N-FV		●					0.4
11T308N-FV		●			9.525	3.97	0.8
11T304N-LV		●					0.4
11T308N-LV		●					0.8

● Coated SUMIBORON One-use Type/Multi-corner

2NC-DCGW		Stock						Dimensions (mm)		
		BNC2010	BNC2020	BNC100	BNC160	BNC200	BNC300	BNC500	Inscribed Circle	Thickness
Cat. No.										
2NC-DCGW 070202		●	●			●		6.35	2.38	0.2
070204		●	●			●				0.4
070202LS						●				0.2
070204LS						●				0.4
2NC-DCGW 11T302		●	●			●	●	9.525	3.97	0.2
11T304		●	●			●	●			0.4
11T308		●	●			●	●			0.8
11T304WG		●	●			●	●			0.4
11T308WG		●	●			●	●			0.8
11T304WH		●	●			●	●			0.4
11T308WH		●	●			●	●			0.8
11T302LS						●				0.2
11T304LS						●				0.4
11T308LS						●				0.8
11T304HS						●				0.4
11T308HS						●				0.8

* WG/WH: Wiper Insert, LS: Small Edge Treatment Type, HS: Strong Edge Type

● Coated SUMIBORON Break Master

2NC-DCGT		Stock				Dimensions (mm)		
		BNC2010	BNC2020	BNC160	BNC200	Inscribed Circle	Thickness	Nose Radius
Cat. No.								
2NC-DCGT 070204N-FV		●	●	●	●	6.35	2.38	0.4
11T304N-FV		●	●	●	●			0.4
11T308N-FV		●	●	●	●	9.525	3.97	0.8
11T304N-LV		●	●	●	●			0.4
11T308N-LV		●	●	●	●			0.8

D

Small Product Machining



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

● SUMIDIA (NF Type)

NF-DCMT		Stock				Dimensions (mm)		
		DA1000	DA2200			Inscribed Circle	Thickness	Nose Radius
Cat. No.								
NF-DCMT 070201		●	▲			6.35	2.38	0.1
070202		●	▲					0.2
070204		●	▲					0.4
NF-DCMT 11T301		●	▲					0.1
11T302		●	▲			9.525	3.97	0.2
11T304		●	▲					0.4
11T308		●	▲					0.8

● SUMIDIA (Break Master)

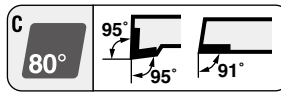
NF-DCMT LD/GD		Stock				Dimensions (mm)		
		DA1000				Inscribed Circle	Thickness	Nose Radius
Cat. No.								
NF-DCMT 070202N-LD		●				6.35	2.38	0.2
070204N-LD		●						0.4
070202N-GD		●						0.2
070204N-GD		●						0.4
NF-DCMT 11T302N-LD		●						0.2
11T304N-LD		●						0.4
11T308N-LD		●				9.525	3.97	0.8
11T302N-GD		●						0.2
11T304N-GD		●						0.4
11T308N-GD		●						0.8

NU-DCMT DM		Stock				Dimensions (mm)		
		DA150				Inscribed Circle	Thickness	Nose Radius
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		●						0.2
11T302L-DM		●				9.525	3.97	0.2
11T304R-DM		●						0.4
11T304L-DM		●						0.4

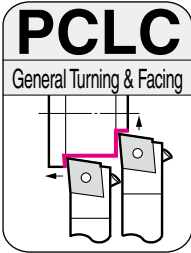
● SUMIDIA

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

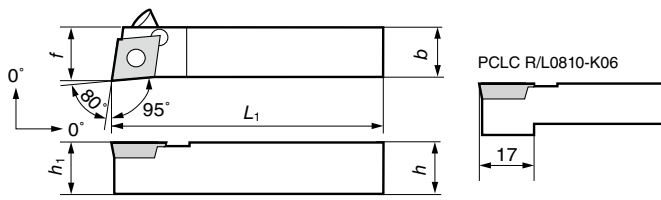
PC/SC Type



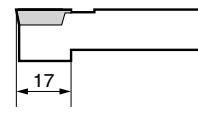
External Turning



Side lever locking holders



PCLC R/L0810-K06



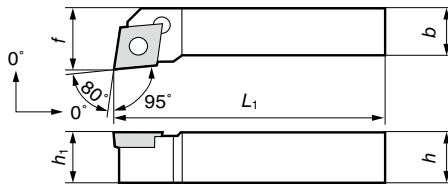
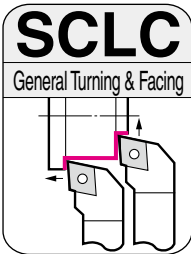
Above figures show right hand tools.

Holder

Cat. No.	Stock		Dimensions (mm)						Applicable Insert
	R	L	h	b	L ₁	f	h ₁		
PCLC R/L0810-K06	●	●	8	10	125	10.5	8	CC□□0602	
PCLC R/L1010-K06	●	●	10	10	125	10.5	10	CC□□0602	
PCLC R/L1212-M09	●	●	12	12	150	12.5	12	CC□□09T3	
PCLC R/L1616-M09	●	●	16	16	150	16.5	16	CC□□09T3	
PCLC R/L2020-M09	●	●	20	20	150	20.5	20	CC□□09T3	

Parts

Lever Pin	Set Screw	Pin	Wrench
LCL06	BTT0407	LP07	TH020
LCL09	BTT0411	LP06	



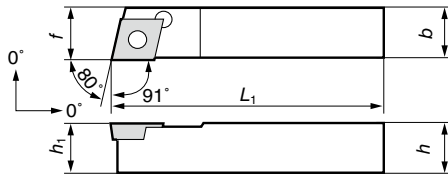
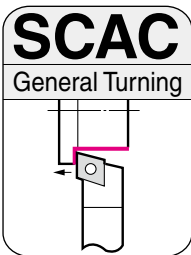
Above figures show right hand tools.

Holder

Cat. No.	Stock		Dimensions (mm)						Applicable Insert
	R	L	h	b	L ₁	f	h ₁		
SCLC R/L0808-06	●	●	8	8	100	10	8	CC□□0602	
SCLC R/L1010-06	●	●	10	10	100	12	10	CC□□0602	
SCLC R/L1212-09	●	●	12	12	100	16	12	CC□□09T3	
SCLC R/L1616-09	●	●	16	16	100	20	16	CC□□09T3	
SCLC R/L2020-09	●	●	20	20	125	24	20	CC□□09T3	

Parts

Screw	Recommended Tightening Torque (N·m)	Wrench
BFTX02506N	1.5	TRX08
BFTX0409N	3.4	TRX15



Above figures show right hand tools.

Holder

Cat. No.	Stock		Dimensions (mm)						Applicable Insert
	R	L	h	b	L ₁	f	h ₁		
SCAC R/L0808-06	●		8	8	100	8.5	8	CC□□0602	
SCAC R/L1010-06	●	●	10	10	100	10.5	10	CC□□0602	
SCAC R/L1212-09	●	●	12	12	100	12.5	12	CC□□09T3	
SCAC R/L1616-09	●	●	16	16	100	16.5	16	CC□□09T3	
SCAC R/L2020-09	●	●	20	20	125	20.5	20	CC□□09T3	

Parts

Screw	Recommended Tightening Torque (N·m)	Wrench
BFTX02506N	1.5	TRX08
BFTX0409N	3.4	TRX15



■ Insert (Coated Carbide / Cermet / Carbide)

● 7° Relief E-Class

CCET FX		Stock				Dimensions (mm)		
		ACZ150				Inscribed Circle	Thickness	Nose Radius
Cat. No.								
CCET 0602003R-FX		●				6.35	2.38	0.03
0602003L-FX		●						0.03
060201R-FX		●						0.1
060201L-FX		●						0.1
060202R-FX		●						0.2
060202L-FX		●						0.2
060204R-FX		●						0.4
060204L-FX		●				0.4		
CCET 09T3003R-FX		●				9.525	3.97	0.03
09T3003L-FX		●						0.03
09T301R-FX		●						0.1
09T301L-FX		●						0.1
09T302R-FX		●						0.2
09T302L-FX		●						0.2
09T304R-FX		●						0.4
09T304L-FX		●				0.4		

CCET FY		Stock				Dimensions (mm)		
		ACZ150	T1000A	T1500A		Inscribed Circle	Thickness	Nose Radius
Cat. No.								
CCET 0602003R-FY		●				6.35	2.38	0.03
0602003L-FY		●						0.03
060201R-FY		●	●					0.1
060201L-FY		●	●					0.1
060202R-FY		●	●					0.2
060202L-FY		●	●					0.2
060204R-FY		●	●					0.4
060204L-FY		●	●			0.4		
CCET 09T3003R-FY		●				9.525	3.97	0.03
09T3003L-FY		●						0.03
09T301R-FY		●	●					0.1
09T301L-FY		●	●					0.1
09T302R-FY		●	●					0.2
09T302L-FY		●	●					0.2
09T304R-FY		●	●					0.4
09T304L-FY		●	●			0.4		

● 7° Relief G-Class

CCGT FC		Stock				Dimensions (mm)		
		AC530U	ACZ150	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.								
CCGT 060201MN-FC		●	●	●	●	6.35	2.38	<0.1
060202MN-FC		●	●	●	●			<0.2
060204MN-FC		●	●	●	●			<0.4
CCGT 09T301MN-FC		●	●	●	●	9.525	3.97	<0.1
09T302MN-FC		●	●	●	●			<0.2
09T304MN-FC		●	●	●	●			<0.4

Values for nose radius prefixed with "<" mean minus tolerances.

● 7° Relief G-Class

CCGT FX		Stock						Dimensions (mm)			
		AC530U	T1500Z	T2000Z	T1000A	T1500A	T110A	T1200A	Inscribed Circle	Thickness	Nose Radius
Cat. No.											
CCGT 0602003R-FX		●							6.35	2.38	0.03
0602003L-FX		●						0.03			
060201R-FX		●						0.1			
060201L-FX		●						0.1			
060202R-FX		●						0.2			
060202L-FX		●						0.2			
060204R-FX		●						0.4			
060204L-FX		●						0.4			
CCGT 09T3003R-FX		●							9.525	3.97	0.03
09T3003L-FX		●						0.03			
09T301R-FX		●						0.1			
09T301L-FX		●						0.1			
09T302R-FX		●						0.2			
09T302L-FX		●						0.2			
09T304R-FX		●						0.4			
09T304L-FX		●						0.4			
09T308R-FX		●						0.8			
09T308L-FX		●						0.8			

CCGT SI		Stock						Dimensions (mm)				
		AC610M	AC630M	AC510U	AC520U	AC530U	T1500Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.												
CCGT 09T301MN-SI		●	●	●	●	●	●	●	●	9.525	3.97	<0.1
09T302MN-SI		●	●	●	●	●	●	●	●			<0.2
09T304MN-SI		●	●	●	●	●	●	●	●			<0.4

Values for nose radius prefixed with "<" mean minus tolerances.

CCGT SC		Stock						Dimensions (mm)			
		AC530U	ACZ150	T1500Z	T1000A	T1500A	T1200A	Inscribed Circle	Thickness	Nose Radius	
Cat. No.											
CCGT 0602003N-SC		●	●		●	●	▲	6.35	2.38	0.03	
09T3003N-SC		●	●		●	●	▲	9.525	3.97	0.03	
CCGT 060201MN-SC		●	●	●	●	●		6.35	2.38	<0.1	
060202MN-SC		●	●	●	●	●				<0.2	
060204MN-SC		●	●	●	●	●				<0.4	
CCGT 09T301MN-SC		●	●	●	●	●		9.525	3.97	<0.1	
09T302MN-SC		●	●	●	●	●				<0.2	

Values for nose radius prefixed with "<" mean minus tolerances.

CCGT AG		Stock						Dimensions (mm)		
								Inscribed Circle	Thickness	Nose Radius
Cat. No.										
CCGT 060202N-AG								6.35	2.38	0.2
060204N-AG										0.4
CCGT 09T302N-AG								9.525	3.97	0.2
09T304N-AG										0.4
09T308N-AG										0.8

CCGT AY		Stock						Dimensions (mm)		
								Inscribed Circle	Thickness	Nose Radius
Cat. No.										
CCGT 060201R-AY		●						6.35	2.38	0.1
060201L-AY		●								0.1
060202R-AY		●								0.2
060202L-AY		●								0.2
060204R-AY		●								0.4
060204L-AY		●						0.4		
CCGT 09T301R-AY		●						9.525	3.97	0.1
09T301L-AY		●								0.1
09T302R-AY		●								0.2
09T302L-AY		●								0.2
09T304R-AY		●								0.4
09T304L-AY		●						0.4		

NEW
NEW
NEW
NEW
NEW
NEW
NEW
NEW
NEW
NEW
NEW
NEW
NEW

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

PC/SC Type



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

● 7° Relief M-Class

CCMT FB		Stock					Dimensions (mm)		
		AC530U	T1500Z	T3000Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.									
CCMT 060202N-FB		●	●	●	●	●	6.35	2.38	0.2
060204N-FB		●	●	●	●	●			0.4
CCMT 09T304N-FB		●	●	●	●	●	9.525	3.97	0.4
09T308N-FB		●	●	●	●	●			0.8

CCMT LU		Stock										Dimensions (mm)						
		AC810P	AC820P	AC2000	AC630M	AC6030M	AC6040M	AC530U	T1500Z	T3000Z	T2000Z	T1000A	T1500A	T1200A	Inscribed Circle	Thickness	Nose Radius	
Cat. No.																		
CCMT 060202N-LU		●	●	●	●	●	●	●	●	●	●	●	●	●	●	6.35	2.38	0.2
060204N-LU		●	●	●	●	●	●	●	●	●	●	●	●	●	●			0.4
CCMT 09T304N-LU		●	●	●	●	●	●	●	●	●	●	●	●	●	●	9.525	3.97	0.4
09T308N-LU		●	●	●	●	●	●	●	●	●	●	●	●	●	●			0.8

CCMT LUW		Stock					Dimensions (mm)				
		AC810P	AC820P	AC2000	AC630M	T1500Z	T3000Z	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.											
CCMT 09T304N-LUW		●	●	▲	●	●	●	●	9.525	3.97	0.4
09T308N-LUW		●	●	▲	●	●	●	●			0.8

CCMT FP		Stock		Dimensions (mm)		
		T1500A	T1200A	Inscribed Circle	Thickness	Nose Radius
Cat. No.						
CCMT 060202N-FP		●	●	6.35	2.38	0.2
060208N-FP		●	▲			0.8
CCMT 09T302N-FP		●	▲	9.525	3.97	0.2
09T304N-FP		●	▲			0.4

CCMT LB		Stock						Dimensions (mm)			
		AC820P	AC830P	AC6030M	AC6040M	T1500Z	T3000Z	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.											
CCMT 060202N-LB		●	●	●	●	●	●	●	6.35	2.38	0.2
060204N-LB		●	●	●	●	●	●	●			0.4
060208N-LB		●	●	●	●	●	●	●			0.8
CCMT 09T302N-LB		●	●	●	●	●	●	●	9.525	3.97	0.2
09T304N-LB		●	●	●	●	●	●	●			0.4
09T308N-LB		●	●	●	●	●	●	●			0.8

CCMT SU		Stock										Dimensions (mm)					
		AC810P	AC820P	AC830P	AC610M	AC630M	AC6030M	AC6040M	AC520U	AC530U	T1500Z	T3000Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.																	
CCMT 060202N-SU		●	●	●	●	●	●	●	●	●	●	●	●	●	6.35	2.38	0.2
060204N-SU		●	●	●	●	●	●	●	●	●	●	●	●	●			0.4
060208N-SU		●	●	●	●	●	●	●	●	●	●	●	●	●			0.8
CCMT 09T302N-SU		●	●	●	●	●	●	●	●	●	●	●	●	●	9.525	3.97	0.2
09T304N-SU		●	●	●	●	●	●	●	●	●	●	●	●	●			0.4
09T308N-SU		●	●	●	●	●	●	●	●	●	●	●	●	●			0.8

CCMT SC		Stock			Dimensions (mm)		
		AC820P	AC2000	A30	Inscribed Circle	Thickness	Nose Radius
Cat. No.							
CCMT 060204N-SC		●	▲	●	6.35	2.38	0.4

● 7° Relief M-Class

CCMT MU		Stock						Dimensions (mm)					
		AC810P	AC820P	AC830P	AC630M	AC6030M	AC405K	AC415K	AC420K	Inscribed Circle	Thickness	Nose Radius	
Cat. No.													
CCMT 09T304N-MU		●	●	●	●	●	●	●	●	●	9.525	3.97	0.4
09T308N-MU		●	●	●	●	●	●	●	●	●			0.8

CCMW		Stock			Dimensions (mm)		
		AC405K	AC415K	AC420K	Inscribed Circle	Thickness	Nose Radius
Cat. No.							
CCMW 060204		●	●	●	6.35	2.38	0.4
CCMW 09T304		●	●	●	9.525	3.97	0.4
09T308		●	●	●			0.8

● 7° Relief G-Class

● Uncoated SUMIBORON One-use Type

(●▲mark: Only 1pc. per package in stock, ●▲mark: Both 1pc. per package and 10pc. per package in stock)

NU- CCGW		Stock					Dimensions (mm)		
		BN1000	BN2000	BN250	BN7000	BN700	Inscribed Circle	Thickness	Nose Radius
Cat. No.									
NU-CCGW 060202		●	●	▲	●	●			0.2
060204		●	●	▲	●	●			0.4
060208		●	●	▲	●	●			0.8
060202LT		—	●	—	—	—			0.2
060204LT		—	●	—	—	—			0.4
060208LT		—	●	—	—	—	6.35	2.38	0.8
060202LS		—	—	▲	—	—			0.2
060204LS		—	—	▲	—	—			0.4
060208LS		—	—	▲	—	—			0.8
060202HS		—	—	—	—	—			0.2
060204HS		—	—	—	—	—			0.4
NU-CCGW 09T302		●	●	▲	●	●			0.2
09T304		●	●	▲	●	●			0.4
09T308		●	●	▲	●	●			0.8
09T302LT		—	●	—	—	—			0.2
09T304LT		—	●	—	—	—			0.4
09T308LT		—	●	—	—	—	9.525	3.97	0.8
09T302LS		—	—	▲	—	—			0.2
09T304LS		—	—	▲	—	—			0.4
09T308LS		—	—	▲	—	—			0.8
09T302HS		—	—	—	—	—			0.2
09T304HS		—	—	—	—	—			0.4
09T308HS		—	—	—	—	—			0.8

* LT: Small Edge Treatment Type, LS: Continuous Cutting General Type, HS: Strong Edge Type

● Uncoated SUMIBORON One-use Type/Multi-corner

2NU- CCGW		Stock			Dimensions (mm)		
		BN2000	BN7000	BN7500	Inscribed Circle	Thickness	Nose Radius
Cat. No.							
2NU-CCGW 060204		●	●	●	6.35	2.38	0.4
2NU-CCGW 09T304		●	●	●			0.4
09T308		●	●	●			0.8
09T304WG		●	—	—	9.525	3.97	0.4
09T308WG		●	—	—			0.8
09T304WH		●	—	—			0.4
09T308WH		●	—	—			0.8

* WG/WH: Wiper Insert

● Uncoated SUMIBORON Break Master

2NU- CCGT FV/LV		Stock			Dimensions (mm)		
		BN2000			Inscribed Circle	Thickness	Nose Radius
Cat. No.							
2NU-CCGT 060204N-FV		●			6.35	2.38	0.4
2NU-CCGT 09T304N-FV		●					0.4
09T308N-FV		●					0.8
09T304N-LV		●			9.525	3.97	0.4
09T308N-LV		●					0.8



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

- 7° Relief G-Class
- Coated SUMIBORON One-use Type/Multi-corner

2NC-CCGW		Stock					Dimensions (mm)				
		BNC2010	BNC2020	BNC100	BNC160	BNC200	BNC300	BNC500	Inscribed Circle	Thickness	Nose Radius
Cat. No.											
2NC-CCGW 060202		●	●					6.35	2.38	0.2	
060204		●	●							0.4	
060208										0.8	
060202LS						●				0.2	
060204LS						●				0.4	
2NC-CCGW 09T302		●	●	●	●	●	●	9.525	3.97	0.2	
09T304		●	●	●	●	●	●			0.4	
09T308		●	●	●	●	●	●			0.8	
09T304WG		●	●	●	●	●	●			0.4	
09T308WG		●	●	●	●	●	●			0.8	
09T304WH		●	●	●	●	●	●			0.4	
09T308WH		●	●	●	●	●	●			0.8	
09T302LS						●				0.2	
09T304LS						●				0.4	
09T308LS				●	●	●	●			0.8	
09T304HS							●			0.4	
09T308HS							●			0.8	

* WG/WH: Wiper Insert, LS: Small Edge Treatment Type, HS: Strong Edge Type

- Coated SUMIBORON Break Master

2NC-CCGT	FV/LV		Stock				Dimensions (mm)		
			BNC2010	BNC2020	BNC160	BNC200	Inscribed Circle	Thickness	Nose Radius
Cat. No.									
2NC-CCGT 060204N-FV			●	●	●	●	6.35	2.38	0.4
2NC-CCGT 09T304N-FV			●	●	●	●	9.525	3.97	0.4
09T308N-FV			●	●	●	●			0.8
09T304N-LV			●	●	●	●			0.4
09T308N-LV			●	●	●	●			0.8

- 7° Relief M-Class
- SUMIDIA (NF Type)

NF-CCMT		Stock				Dimensions (mm)		
		DA1000	DA2200			Inscribed Circle	Thickness	Nose Radius
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

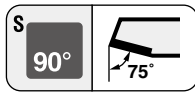
- SUMIDIA (Break Master)

NF-CCMT	LD/GD		Stock				Dimensions (mm)		
			DA1000				Inscribed Circle	Thickness	Nose Radius
Cat. No.									
NF-CCMT 060202N-LD			●				6.35	2.38	0.2
060204N-LD			●						0.4
060202N-GD			●						0.2
060204N-GD			●						0.4
NF-CCMT 09T302N-LD			●				9.525	3.97	0.2
09T304N-LD			●						0.4
09T308N-LD			●						0.8
09T302N-GD			●						0.2
09T304N-GD			●						0.4
09T308N-GD			●						0.8

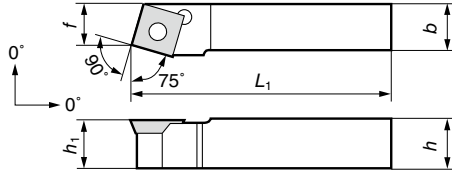
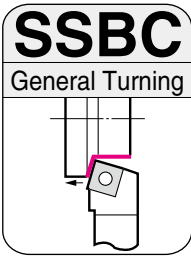
NU-CCMT	DM		Stock				Dimensions (mm)		
			DA150				Inscribed Circle	Thickness	Nose Radius
Cat. No.									
NU-CCMT 060202R-DM			●				6.35	2.38	0.2
060202L-DM			●						0.2
060204R-DM			●						0.4
060204L-DM			●						0.4
NU-CCMT 09T302R-DM			●				9.525	3.97	0.2
09T302L-DM			●						0.2
09T304R-DM			●	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

- SUMIDIA

CCMT		Stock				Dimensions (mm)		
		DA150	DA2200			Inscribed Circle	Thickness	Nose Radius
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



External Turning



Holder

Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)						Applicable Insert
	R	L	h	b	L ₁	f	h ₁		
SSBC R/L1010-07	●	●	10	10	100	9	10	SC□□0702	
SSBC R/L1212-09	●	●	12	12	100	11	12	SC□□09T3	
SSBC R/L1616-09	●	●	16	16	100	15	16	SC□□09T3	
SSBC R/L2020-09	●	●	20	20	125	19	20	SC□□09T3	

Parts

Screw	Recommended Tightening Torque (N·m)	Wrench
BFTX0307N	2.0	TRX10
BFTX0409N	3.4	TRX15

Insert (Coated Carbide / Cermet / SUMIDIA)

7° Relief G-Class

SCGT FX	Stock			Dimensions (mm)		
	AC530U			Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC530U					
SCGT 09T302R-FX	●					0.2
09T302L-FX	●					0.2
09T304R-FX	●			9.525	3.97	0.4
09T304L-FX	●					0.4

SCGT SC	Stock			Dimensions (mm)		
	AC530U	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC530U	T1000A	T1500A			
SCGT 070201MN-SC	●	●	●	7.94	2.38	<0.1
070202MN-SC	●	●	●			<0.2
SCGT 09T301MN-SC	●	●	●	9.525	3.97	<0.1
09T302MN-SC	●	●	●			<0.2

Values for nose radius prefixed with "<" mean minus tolerances.

7° Relief M-Class

SCMT FB	Stock					Dimensions (mm)		
	AC530U	T1500Z	T3000Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC530U	T1500Z	T3000Z	T1000A	T1500A			
SCMT 09T304N-FB	●	●	●	●	●	9.525	3.97	0.4
09T308N-FB	●	●	●	●	●			0.8

SCMT LU	Stock						Dimensions (mm)				
	AC810P	AC820P	AC630M	AC6030M	T1500Z	T3000Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC810P	AC820P	AC630M	AC6030M	T1500Z	T3000Z	T1000A	T1500A			
SCMT 09T304N-LU	●	●	●	●	●	●	●	●	9.525	3.97	0.4
09T308N-LU	●	●	●	●	●	●	●	●			0.8

SCMT FP	Stock			Dimensions (mm)		
	T1500A			Inscribed Circle	Thickness	Nose Radius
Cat. No.	T1500A					
SCMT 09T304N-FP	●			9.525	3.97	0.4
09T308N-FP	●					0.8

7° Relief M-Class

SCMT SU	Stock						Dimensions (mm)			
	AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M			
SCMT 09T304N-SU	●	●	●	▲	●	●	●	9.525	3.97	0.4
09T308N-SU	●	●	●	▲	●	●	●			0.8

SCMT MU	Stock						Dimensions (mm)			
	AC810P	AC820P	AC630M	AC6030M	AC405K	AC415K	AC420K	Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC810P	AC820P	AC630M	AC6030M	AC405K	AC415K	AC420K			
SCMT 09T308N-MU	●	●	●	●	●	●	●	9.525	3.97	0.8

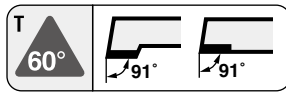
SCMW	Stock				Dimensions (mm)		
	AC405K	AC415K	AC420K	AC410K	Inscribed Circle	Thickness	Nose Radius
Cat. No.	AC405K	AC415K	AC420K	AC410K			
SCMW 09T308	●	●	●	▲	9.525	3.97	0.8

SUMIDIA (NF Type)

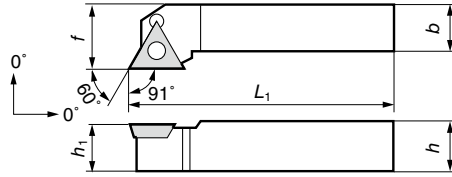
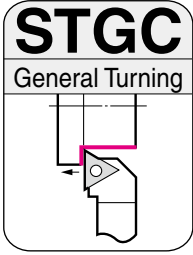
NF-SCMT	Stock					Dimensions (mm)		
	DA1000					Inscribed Circle	Thickness	Nose Radius
Cat. No.	DA1000							
NF-SCMT 070201	●							0.1
070202	●					7.94	2.38	0.2
070204	●							0.4

SUMIDIA

SCMT	Stock						Dimensions (mm)		
	DA150						Inscribed Circle	Thickness	Nose Radius
Cat. No.	DA150								
SCMT 070201	●								0.1
070202	●						7.94	2.38	0.2
070204	●								0.4
SCMT 09T301	▲								0.1
09T302	▲						9.525	3.97	0.2
09T304	▲								0.4



External Turning



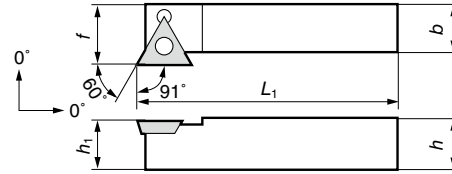
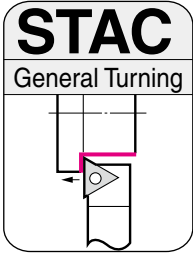
■ Holder

Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)					Applicable Insert
	R	L	h	b	L ₁	f	h ₁	
STGC R/L0808-09	●		8	8	100	10	8	TC□□0902
STGC R/L1010-09	●	●	10	10	100	12	10	TC□□0902
STGC R/L1212-11	●	●	12	12	100	16	12	TC□□1102
STGC R/L1616-11	●	●	16	16	100	20	16	TC□□1102
STGC R/L2020-11	●	●	20	20	125	25	20	TC□□1102

■ Parts

Screw	Wrench
BFTX02205N	(For Torx Holes)
Recommended Tightening Torque (N·m)	
0.5	TRX06
BFTX02506N	TRX08
1.5	



■ Holder

Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)					Applicable Insert
	R	L	h	b	L ₁	f	h ₁	
STAC R/L0808-09		●	8	8	100	8.5	8	TC□□0902
STAC R/L1010-09	●		10	10	100	10.5	10	TC□□0902
STAC R/L1212-11	●	●	12	12	100	12.5	12	TC□□1102
STAC R/L1616-11	●	●	16	16	100	16.5	16	TC□□1102
STAC R/L2020-11	●	●	20	20	125	20.5	20	TC□□1102

■ Parts

Screw	Wrench
BFTX02205N	(For Torx Holes)
Recommended Tightening Torque (N·m)	
0.5	TRX06
BFTX02506N	TRX08
1.5	

ST Type



■ Insert (Coated Carbide / Cermet / SUMIDIA)

● 7° Relief G-Class

TCGT FX		Stock						Dimensions (mm)		
		AC530U						Inscribed Circle	Thickness	Nose Radius
Cat. No.		AC530U								
TCGT 090201R-FX		●						5.56	2.38	0.1
090201L-FX		●								0.1
090202R-FX		●								0.2
090202L-FX		●								0.2
TCGT 110201R-FX		●						6.35	2.38	0.1
110201L-FX		●								0.1
110202R-FX		●								0.2
110202L-FX		●								0.2

TCGT FY		Stock						Dimensions (mm)		
		AC530U						Inscribed Circle	Thickness	Nose Radius
Cat. No.		AC530U								
TCGT 090201R-FY		●						5.56	2.38	0.1
090201L-FY		●								0.1
090202R-FY		●								0.2
090202L-FY		●								0.2
TCGT 110201R-FY		●						6.35	2.38	0.1
110201L-FY		●								0.1
110202R-FY		●								0.2
110202L-FY		●								0.2

TCGT SI		Stock						Dimensions (mm)				
		AC610M	AC630M	AC510U	AC520U	AC530U	T1500Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.		AC610M	AC630M	AC510U	AC520U	AC530U	T1500Z	T1000A	T1500A			
TCGT 110204MN-SI		●	●	●	●	●	●	●	●	6.35	2.38	<0.4

Values for nose radius prefixed with "<" mean minus tolerances.

TCGT SC		Stock						Dimensions (mm)		
		AC530U	T1000A	T1500A				Inscribed Circle	Thickness	Nose Radius
Cat. No.		AC530U	T1000A	T1500A						
TCGT 090201MN-SC		●	●	●				5.56	2.38	<0.1
090202MN-SC		●	●	●						<0.2
TCGT 110201MN-SC		●	●	●				6.35	2.38	<0.1
110202MN-SC		●	●	●						<0.2

Values for nose radius prefixed with "<" mean minus tolerances.

● 7° Relief M-Class

TCMT FB		Stock					Dimensions (mm)			
		AC530U	T1500Z	T3000Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius	
Cat. No.		AC530U	T1500Z	T3000Z	T1000A	T1500A				
TCMT 110204N-FB		●	●	●	●	●	6.35	2.38	0.4	0.8
110208N-FB		●	●	●	●	●				

TCMT LU		Stock						Dimensions (mm)				
		AC810P	AC820P	AC630M	AC6030M	T1500Z	T3000Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.		AC810P	AC820P	AC630M	AC6030M	T1500Z	T3000Z	T1000A	T1500A			
TCMT 110204N-LU		●	●	●	●	●	●	●	●	6.35	2.38	0.4
110208N-LU		●	●	●	●	●	●	●	●			0.8

TCMT FP		Stock						Dimensions (mm)		
		T1500A						Inscribed Circle	Thickness	Nose Radius
Cat. No.		T1500A								
TCMT 110204N-FP		●						6.35	2.38	0.4
110208N-FP		●								0.8

TCMT SU		Stock						Dimensions (mm)						
		AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	AC6040M	AC520U	AC530U	Inscribed Circle	Thickness	Nose Radius
Cat. No.		AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	AC6040M	AC520U	AC530U			
TCMT 110204N-SU		●	●	●	▲	●	●	●	●	●	●	6.35	2.38	0.4
110208N-SU		●	●	●	▲	●	●	●	●	●	●			0.8

TCMW —		Stock				Dimensions (mm)		
		AC405K	AC415K	AC420K	AC410K	Inscribed Circle	Thickness	Nose Radius
Cat. No.		AC405K	AC415K	AC420K	AC410K			
TCMW 110204		●	●	●	▲	6.35	2.38	0.4
110208		●	●	●	▲			0.8

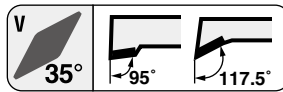
● SUMIDIA (NF Type)

NF-TCMT —		Stock						Dimensions (mm)		
		DA1000	DA2200					Inscribed Circle	Thickness	Nose Radius
Cat. No.		DA1000	DA2200							
NF-TCMT 090202		●	▲					5.56	2.38	0.2
090204		●	▲							0.4
NF-TCMT 110201		●	▲					6.35	2.38	0.1
110202		●	▲							0.2
110204		●	▲							0.4

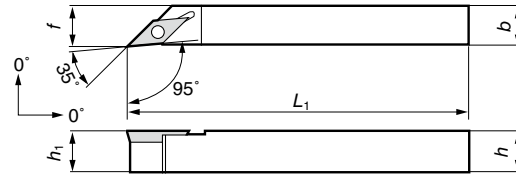
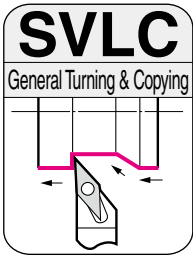
● SUMIDIA

TCMT —		Stock				Dimensions (mm)		
		DA150	DA2200			Inscribed Circle	Thickness	Nose Radius
Cat. No.		DA150	DA2200					
TCMT 090201		●	▲					0.1
090202		●	▲			5.56	2.38	0.2
090204		●	▲					0.4
TCMT 110201		●	▲			6.35	2.38	0.1
110202		●	▲					0.2
110204		●	▲					0.4

D Small Product Machining



General Turning and Copying



Holder

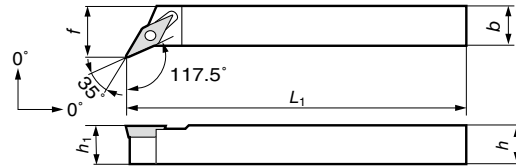
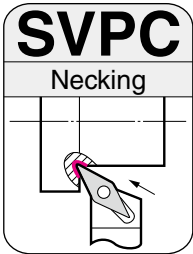
Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)					Applicable Insert
	R	L	h	b	L ₁	f	h ₁	
SVLC R/L1010-H11	●	●	10	10	100	10.5	10	VC□□1103
SVLC R/L1212-H11	●	●	12	12	100	12.5	12	VC□□1103
SVLC R/L1616-H11	●	●	16	16	100	16.5	16	VC□□1103
SVLC R/L2020-K11*	●	●	20	20	125	20.5	20	VC□□1103

Parts

Screw	Wrench
BFTX02508NV	TRX08
Recommended Tightening Torque (N·m)	
1.5	

* Previous Cat. No SVLCR/L2020-H11



Holder

Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)					Applicable Insert
	R	L	h	b	L ₁	f	h ₁	
SVPC R/L1010-H11	●	●	10	10	100	14.5	10	VC□□1103
SVPC R/L1212-H11	●	●	12	12	100	16.5	12	VC□□1103
SVPC R/L1616-H11	●	●	16	16	100	20.5	16	VC□□1103
SVPC R/L2020-K11*	●	●	20	20	125	24.5	20	VC□□1103

Parts

Screw	Wrench
BFTX02508NV	TRX08
Recommended Tightening Torque (N·m)	
1.5	

* Previous Cat. No SVLCR/L2020-H11

SV Type



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

● 7° Relief E-Class

VCET FX		Stock					Dimensions (mm)		
		ACZ150					Inscribed Circle	Thickness	Nose Radius
Cat. No.									
VCET 1103008R-FX		●							0.08
1103008L-FX		●							0.08
110301R-FX		●					6.35	3.18	0.1
110301L-FX		●							0.1
1103018R-FX		●							0.18
1103018L-FX		●							0.18

● 7° Relief G-Class

VCGT SI		Stock							Dimensions (mm)			
		AC610M	AC630M	AC510U	AC520U	AC530U	T1500Z	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.												
VCGT 110301MN-SI		●	●	●	●	●	●	●	●	6.35	3.18	<0.1
110302MN-SI		●	●	●	●	●	●	●	●			<0.2
110304MN-SI		●	●	●	●	●	●	●	●			<0.4
110308MN-SI		●	●	●	●	●	●	●	●			<0.8

Values for nose radius prefixed with "<" mean minus tolerances.

VCET

FY		Stock					Dimensions (mm)		
		ACZ150					Inscribed Circle	Thickness	Nose Radius
Cat. No.									
VCET 1103008R-FY		●							0.08
1103008L-FY		●							0.08
110301R-FY		●					6.35	3.18	0.1
110301L-FY		●							0.1
1103018R-FY		●							0.18
1103018L-FY		●							0.18

● 7° Relief M-Class

VCMT SU		Stock			Dimensions (mm)			
		AC630M	AC6030M		Inscribed Circle	Thickness	Nose Radius	
Cat. No.								
VCMT 110302N-SU		●	●			6.35	3.18	0.2
110304N-SU		●	●					0.4
110308N-SU		●	●					0.8

● 7° Relief G-Class

● Uncoated SUMIBORON One-use Type

NU-VCGW		Stock			Dimensions (mm)			
		BN2000	BN1000	BN250	Inscribed Circle	Thickness	Nose Radius	
Cat. No.								
NU-VCGW 110302		●	●	▲			0.2	
110304		●	●	▲			0.4	
110302LS		—	—	▲		6.35	3.18	0.2
110304LS		—	—	▲				0.4
110302HS		●	—	—				0.2
110304HS		●	—	—				0.4

* LS : Continuous Cutting General Type, HS : Strong Edge Type

● 7° Relief G-Class

VCGT FC		Stock					Dimensions (mm)		
		AC520U	AC530U	ACZ150	T1000A	T1500A	Inscribed Circle	Thickness	Nose Radius
Cat. No.									
VCGT 110301MN-FC		●	●	●	●	●	6.35	3.18	<0.1
110302MN-FC		●	●	●	●	●			<0.2
110304MN-FC		●	●	●	●	●			<0.4

Values for nose radius prefixed with "<" mean minus tolerances.

VCGT

FX		Stock					Dimensions (mm)		
		AC520U	AC530U	T1000A	T1500A	T1200A	Inscribed Circle	Thickness	Nose Radius
Cat. No.									
VCGT 110301R-FX		●	●	●	●	▲			0.1
110301L-FX		●	●	●	●	▲			0.1
110302R-FX		●	●	●	●	▲	6.35	3.18	0.2
110302L-FX		●	●	●	●	▲			0.2
110304R-FX		●	●	●	●	▲			0.4
110304L-FX		●	●	●	●	▲			0.4

VCGT

FY		Stock			Dimensions (mm)			
		AC520U	AC530U		Inscribed Circle	Thickness	Nose Radius	
Cat. No.								
VCGT 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

VCGT

AG		Stock			Dimensions (mm)		
		H1			Inscribed Circle	Thickness	Nose Radius
Cat. No.							
VCGT 110302N-AG		●			6.35	3.18	0.2
110304N-AG		●					0.4

● 7° Relief M-Class

● SUMIDIA (NF Type)

NF-VCMT		Stock			Dimensions (mm)		
		DA1000	DA2200		Inscribed Circle	Thickness	Nose Radius
Cat. No.							
NF-VCMT 110301		●	▲				0.1
110302		●	▲		6.35	3.18	0.2
110304		●	▲				0.4

● SUMIDIA (Break Master)

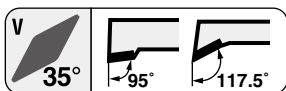
NF-VCMT LD/GD		Stock			Dimensions (mm)		
		DA1000			Inscribed Circle	Thickness	Nose Radius
Cat. No.							
NF-VCMT 110302N-LD		●					0.2
110304N-LD		●					0.4
110302N-GD		●			6.35	3.18	0.2
110304N-GD		●					0.4

● SUMIDIA

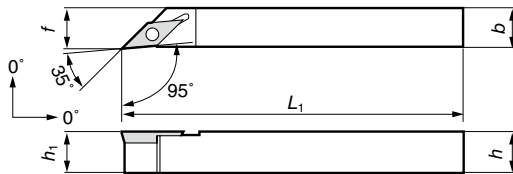
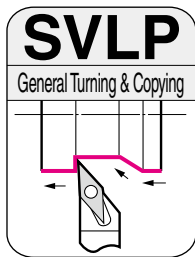
VCMT		Stock			Dimensions (mm)		
		DA2200			Inscribed Circle	Thickness	Nose Radius
Cat. No.							
VCMT 110301		▲					0.1
110302		▲			6.35	3.18	0.2
110304		▲					0.4

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

SV Type (11° Relief)



General Turning and Copying



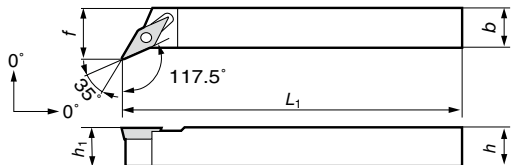
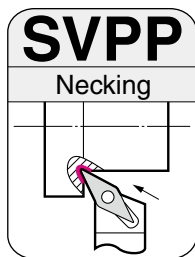
■ Holder

Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)					Applicable Insert
	R	L	h	b	L ₁	f	h ₁	
SVLP R/L1010-H11	●	●	10	10	100	10.5	10	VP□T1103
SVLP R/L1212-H11	●	●	12	12	100	12.5	12	VP□T1103
SVLP R/L1616-H11	●	●	16	16	100	16.5	16	VP□T1103

■ Parts

Screw	Wrench
BFTX02508NV	TRX08
Recommended Tightening Torque (N·m)	
1.5	



■ Holder

Above figures show right hand tools.

Cat. No.	Stock		Dimensions (mm)					Applicable Insert
	R	L	h	b	L ₁	f	h ₁	
SVPP R/L1010-H11	●	●	10	10	100	14.5	10	VP□T1103
SVPP R/L1212-H11	●	●	12	12	100	16.5	12	VP□T1103
SVPP R/L1616-H11	●	●	16	16	100	20.5	16	VP□T1103

■ Parts

Screw	Wrench
BFTX02508NV	TRX08
Recommended Tightening Torque (N·m)	
1.5	

■ Insert (Coated Carbide)

● 11° Relief E-Class

VPET FX		Stock				Dimensions (mm)		
		ACZ150				Inscribed Circle	Thickness	Nose Radius
Cat. No.								
VPET 1103003R-FX	●							0.03
1103003L-FX	●							0.03
110301R-FX	●				6.35	3.18		0.1
110301L-FX	●							0.1
110302R-FX	●							0.2
110302L-FX	●							0.2

VPET FY		Stock				Dimensions (mm)		
		ACZ150				Inscribed Circle	Thickness	Nose Radius
Cat. No.								
VPET 1103003R-FY	●							0.03
1103003L-FY	●							0.03
110301R-FY	●				6.35	3.18		0.1
110301L-FY	●							0.1
110302R-FY	●							0.2
110302L-FY	●							0.2