

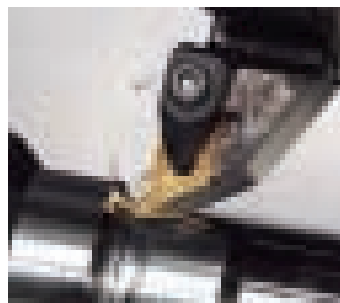
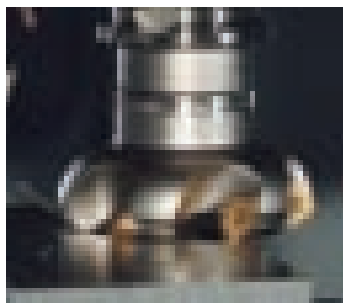


Keeping the Customer First

Tungaloy Catalogue TE0707-E2

2007

Cutting Tools



www.tungaloy-eu.com

Selection Guides

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TAC Toolholder for External Turning

List of TAC Toolholder by Operation

- Negative rake type

TAC Toolholder

■ Negative rake type

M (P. 151)	MVQNR/L □2020 □2525 VN□□ Profiling	MTQNR/L □2020 □2525 TN□□ Profiling	MRGNR/L □2020 □2525 PN□□ Profiling	JT (P.274) □1216 □1616 TN□□ Turning

■ Positive rake type

S (P. 160)	SCLCR/L □1212, □1616 □2020 CC□□ Turning Facing	SCL2CR/L □1010, □1212 CCGT Turning Facing	SDJCR/L □1212, □1616 □2020, □2525 DCGT Profiling	SDJ2CR/L □1010, □1212 DCGT Profiling	SVJCR/L □1616, □2020 □2525 VC□□ Profiling
	SDNCN 1010, 1212 1616, 2020 DC□□ Profiling	SDN3CR/L □1212, □1616 DCGT Profiling	SVVCN 2020, 2525 VC□□ Profiling	STACR/L STAPR/L □0808, □1010 □1212, □1616 TC□□ TPGA/M Turning	SCGCR/L □1212, □1616 CCGT Turning
	SSDCN 1010, 1212 1616 SC□□ Turning Chamfering	SCFCR/L □1212, □1616 CCGT Facing	SDFCR/L □1212, □1616 DCGT Facing	SVQCR/L □2020, □2525 VC□□ Profiling	SDQCR/L □2020, □2525 DCGT Profiling
	SRACR/L □1010, □1212 □1616, □2020 □2525 RCMT Profiling	SRGCR/L □1212, □1616 RCMT Profiling	SRDCN 2020, 2525 RCGT Profiling	SVHCR/L □2525 VC□□ Profiling	
J (P. 272)	JSCL2CR/L □1010, □1212 CCGT Turning Facing	JSCACR/L □0808, □1010 □1212 CC□□ Turning	JSDJ2CR/L □1010, □1212 DCGT Profiling	JSDNCN 1010, 1212 1616 DCGT Profiling	JSDFCR/L □1212, □1616 DCGT Facing
	JSTACR/L □0808, □1010 □1212, □1616 TCGT Turning	JSVJBR/L □1010, □1212 □1616 VB□□ Profiling	JSVJ2BR/L □1010, □1212 □1616 VB□□ Profiling		
	JTCL2CR/L □0810, □1010 □1212, □1616 CC□□ Turning Facing	JTDJ2CR/L □0810, □1010 □1212, □1616 DC□□ External profiling	JTTACR/L □0810, □1010 □1212, □1616 TC□□ Turning		

List of TAC Toolholder by Edge Style

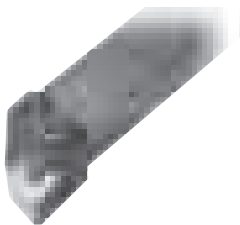
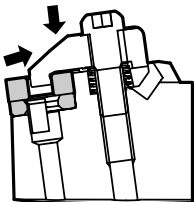
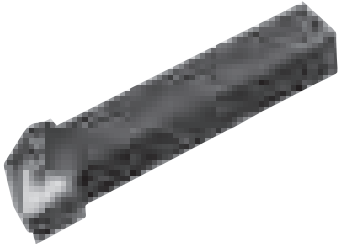
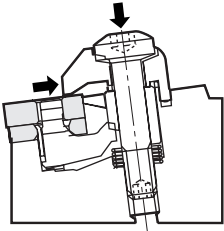
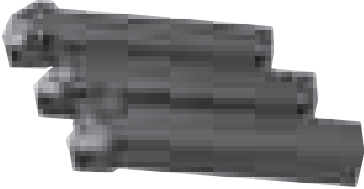
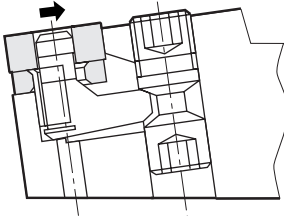
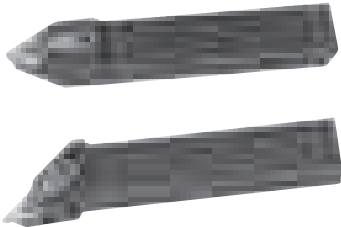
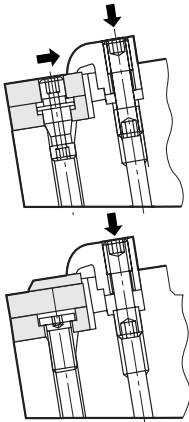
Application	Turning Facing	Profiling				Turning			
Cutting edgestyle	95° L	93° J	63° N	72.5° V	62.5° P	90° A	91° G	75° B	
Rake angle									
Type									
A Double clamping 	Negative	ACLNR/L (P. 134) AWLNR/L (P. 134)	ADJNR/L (P. 135)				ATGNR/L (P. 135)		
	Positive								
D "One-Double" type 	Negative	DCLNR/L (P. 136) DWLNR/L (P. 136)	DDJNR/L (P. 137)				DTGNR/L (P. 140)	DSBNR/L (P. 138)	
	Positive								
P Lever-lock type 	Negative	PCLNR/L (P. 142)	PDJNR/L (P. 143)		PDPNN (P. 143)		PTGNR/L (P. 146)	PSBNR/L (P. 144) PCBNR/L (P. 142)	
	Positive								
M Multi-clamp type 	Negative	MCLNR/L (P. 148) MWLNR/L (P. 148)	MVJNR/L (P. 150) MDJNR/L (P. 149) MTJNR/L (P. 154)		MVVNN (P. 151) MDPNN (P. 149)		MTGNR/L (P. 154)	MSBNR/L (P. 152)	
	Positive								
S Screw-on type 	Negative	SCLCR/L (P. 160) SCL2CR/L (P. 160)	SDJCR/L (P. 162) SDJ2CR/L (P. 162) SVJCR/L (P. 165)	SDNCN (P. 163) SDN3CR/L (P. 163)	SVVCN (P. 165)		STACR/L (P. 167) STAPR/L (P. 167)	SCGCR/L (P. 161)	
	Positive								
J Screw-on type 	Negative	JSCL2CR/L (P. 272)	JSDJ2CR/L (P. 272) JSVJBR/L (P. 273) JSVJ2BR/L (P. 273)	JSDNCN (P. 273)			JSTACR/L (P. 272) JSCACR/L (P. 274)		
	Positive								
JT Side-clamping type 	Negative	JTCL2CR/L (P. 271)	JTDJ2CR/L (P. 271)				JTTACR/L (P. 271)		
	Positive						JTTANR/L (P. 274)		

	Turning Chamfering		Turning Facing Chamfering	Facing			Profiling		Profiling
	60° E	45° D	45° S	75° K	90° F	90° C	100° X	45° Q* H*	
		DSDNN (P. 138)	DSSNR/L (P. 139)	DSKNR/L (P. 139)	DTFNR/L (P. 140)			DDQNR/L (P. 137)	DRGNR/L (P. 141)
		PSDNN (P. 145)	PSSNR/L (P. 145)		PTFNR/L (P. 146)			PDQNR/L (P. 144)	PRGNR/L (P. 147)
									PRGCR/L (P. 147) PRDCN (P. 147)
	MTENN (P. 155)	MSDNN (P. 152)	MSSNR/L (P. 153)	MSKNR/L (P. 153)	MTFNR/L (P. 155)			MDQNR/L (P. 150) MVQNR/L (P. 151) MTQNR/L (P. 156)	MRGNR/L (P. 156)
		SSDCN SSDPN (P. 167)			SCFCR/L (P. 161) SDFCR/L (P. 164)			SVQCR/L (P. 166) SDQCR/L (P. 164) SVHCR/L (P. 166)	SRACR/L (P. 168) SRGCR/L (P. 168) SRDCN (P. 169)
					JSDFCR/L (P. 274)				

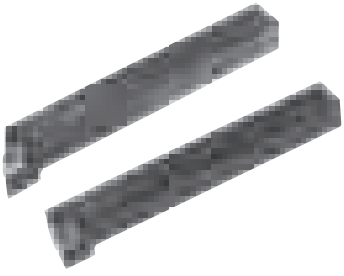
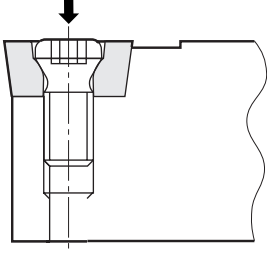
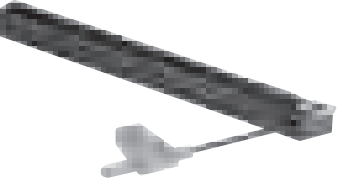
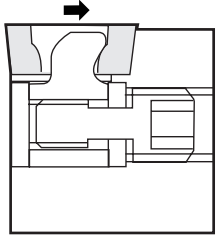
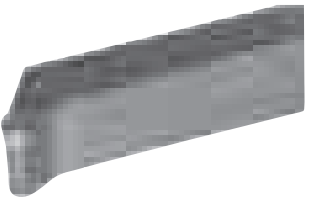
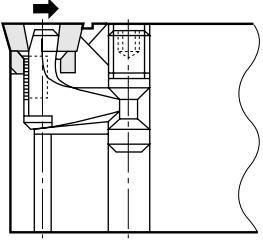
Note: *Q and H styles are Tungaloy standard

Clamping Mechanisms and Features

■ Negative rake type

General purpose	Type	Appearance	Clamping mechanism	Features	Page
	A Clamp-on type			- Newly designed, clamp-on type TAC toolholder. When clamping, the action of the unique "clamp" allows accurate indexing and positive clamping. - Less number of parts, easy handling, and good design to prevent the entry of powdery chips.	134
	D "One-Double" type (combination clamping)			- Easy and reliable clamping through a one-action, double-clamping operation. The single action of tightening the clamp screw results in a double action via the clamp and lever that securely fasten the insert into position. - Strong and positive clamping forces. - Unsurpassed stability at the cutting point.	136
	P Lever-lock type			- General purpose toolholder having lever lock type insert holding mechanism. - High indexing accuracy due to a 2 face restraining mechanism and exhibits excellent performance with NC lathe and special purpose machines. - A wide range of inserts available such as square, triangle, round, rhombic, etc.	142
	M Multi-clamp type			- Insert holding mechanism is combination of lock-pin type and clamp-on type. - Can select a proper clamping method simply by changing the combination of parts. - Clamping force of the insert is very strong, excelling in copy-turning and interrupted cutting with high reliability. - Toolholder specifically for use with a ceramic insert are also available. - A wide range of styles and sizes of toolholder and inserts are available.	148

■ Positive rake type

General purpose	Type	Appearance	Clamping mechanism	Features	Page
	S			- Available in small to medium shank sizes and abundant cutting-edge styles. - The smaller shank size toolholder are best suitable for CNC automatics and other small lathes and larger sizes are usable for general purpose lathes. - Secure insert fastening by highly durable Torx screw.	160
	J				272
	Screw-on type				
	JT			- Good operability for indexing the insert in limited space such as on gang-tooling type lathes. - Good handling allows wrenching the clamping screw from back side of the toolholder. - Available shank height: 8, 10, 12 and 16 mm.	271
	Back clamping type				
	P			- Positive rake round insert is clamped through lever lock type clamping mechanism with high indexing, accuracy. - Used for external, face, profile cutting and high feed is possible with excellent surface finish. - Insert diameters: $\varnothing 10, 12, 16, 20, 25$ mm	142
	Pin-lock type				

Nomenclature for TAC Toolholder

TAC Toolholder

P Pin-lock type	S Screw-on type	J Screw-on type
M Multi-clamp type	T Taper-lock type	JT Side Clamping type
C Clamp-on type	D "One-Double" type	A Clamp-on type
① Clamping system		

①
D
P

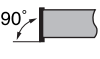
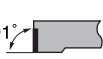
W
C

L
L

N
N

R
R

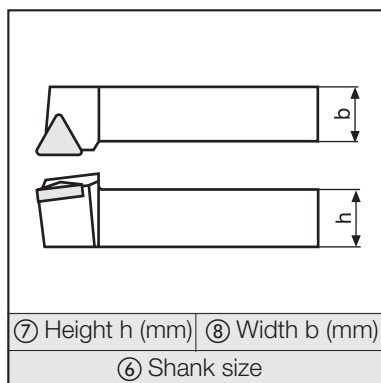
② Insert shape	
C	80° Rhombic
D	55° Rhombic
K	55° Parallelogram
R	Round
S	Square
T	Triangular
V	35° Rhombic
W	Trigon

Symbol	Shape	Offset	G		With	S		With
A		Without		Without	V		Without	
			J		With	U		With
B		Without	K		With	X*		With
C		Without	L		With	Y		With
D		Without	N		Without	Z		With
E		Without	P*		Without			
F		With	Q*		With			
③ Cutting edge style								

③
L
L

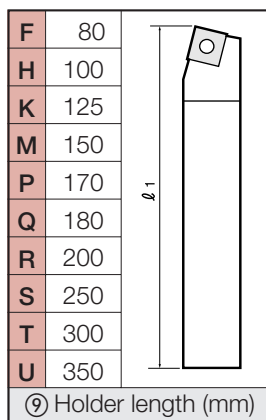
④ Relief angle of insert	
C	
B	
N	
P	

⑤ Direction of tool	
L	
N	
R	



⑦
25
32

⑧
25
25



⑨
K
P

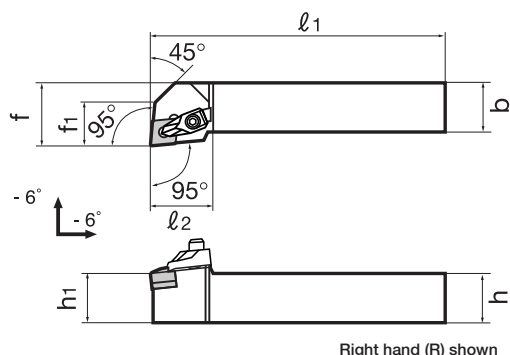
08
4

⑩ Insert size		
Symbol	I.C. (mm)	
3	9.525	
4	12.70	
5	15.875	
6	19.05	
8	25.40	

⑪ Application	
Applied to M-type	C
Ceramic TAC inserts	

TAC Toolholder

ACLN R/L

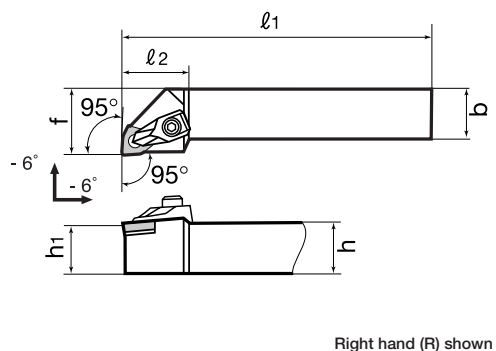


Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (12)	 (12)	 (12)	 (12)

Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	 (12)	 (12)	 (12)	

For details see pp. 44 - 50

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Spring	Clamp	Clamping screw	Wrench
	R	L			h	b	l ₁	l ₂	h ₁	f	f ₁						
ACLNR/L2020K12	●	●	CN□□1204□□ -57, -TR, -TU type chipbreaker cannot be used	0.8	20	20	125	30	20	25	18	LSC42	LSP4	BP-9	ACP4	ACS4	P-4
ACLNR/L2525M12	●	●			25	25	150	30	25	32	18						

AWLN R/L

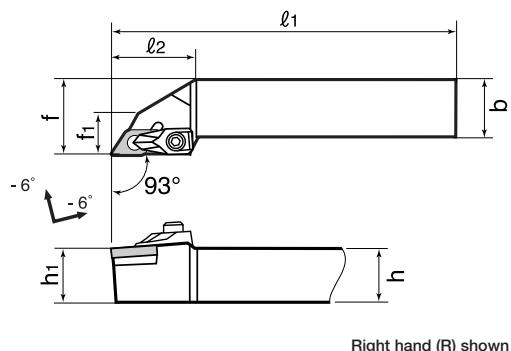
Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (08)	 (08)	 (08)	 (08)

Appl.	Medium cutting	Medium cutting	Medium cutting	
Type	SM	CM	All-round	
Shape	 (08)	 (08)	 (08)	

For details see pp. 78 - 82

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Spring	Clamp	Clamping screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁						
AWLNR/L2020K08	●	●	WN□□0804□□ -57 type chipbreaker cannot be used	0.8	20	20	125	31	20	25	-	LSW42	LSP4	BP-9	ACP4	ACS4	P-4
AWLNR/L2525M08	●	●			25	25	150	31	25	32	-						

ADJN R/L

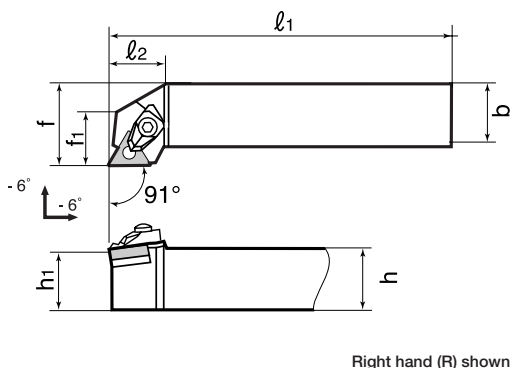


Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	 (1506)	 (1506)	 (1506)	

For details see pp. 52 - 59

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)						Shim	Spring pin	Spring	Clamp	Clamping screw	Wrench	
	R	L			h	b	ℓ1	ℓ2	h1	f	f1						
ADJNR/L2020K1506	●	●	DN□□1506□□ -57, -TU type chipbreaker cannot be used	0.8	20	25	125	37.5	20	25	19	LSD42	LSP4	BP-9	ACP4	ACS4	P-4
ADJNR/L2525M1506	●	●			25	25	150	37.5	25	32	19						

ATGN R/L



Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	 (16)	 (16)	 (16)	

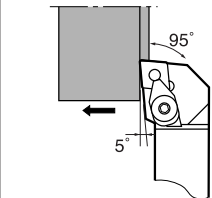
For details see pp. 70 - 76

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)						Shim	Spring pin	Spring	Clamp	Clamping screw	Wrench	
	R	L			h	b	ℓ1	ℓ2	h1	f	f1						
ATGNR/L2020K16	●	●	TN□□1604□□ -57 type chipbreaker cannot be used	0.8	20	20	125	21	20	25	16	LST317	LSP3	BP-7	ACP3	ACS3	P-3
ATGNR/L2525M16	●	●			25	25	150	21	25	32	21						

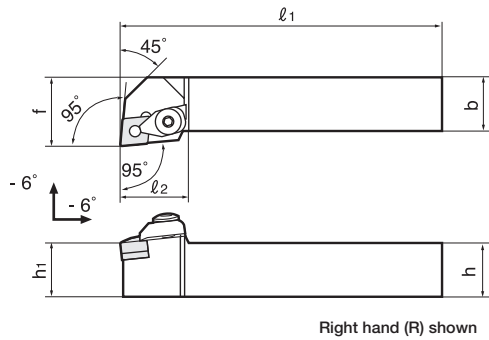
D-type — Negative rake • “One-Double” tools

Turning•Facing

DCLN R/L



Cutting edge style L



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(12)	(12)	(12)	(12, 16, 19)

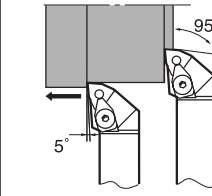
Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape				
	(12, 16, 19)	(12, 16)	(12)	

For details see pp. 44 - 50

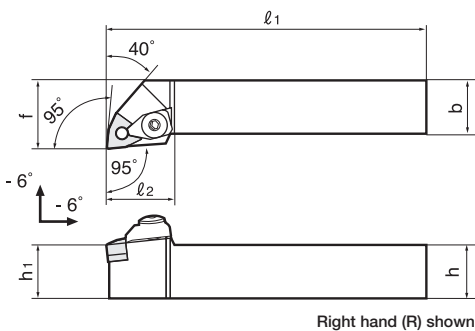
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamp	Clamping screw	Piston	Spring	Wrench
	R	L			h	b	l1	l2	h1	f	f1									
DCLNR/L2020K12	●	●			20	20	125	30	20	25	—									P-3
DCLNR/L2525M12	●	●	CN□□1204□□ -57, -TU, -TR	0.8	25	25	150	30	25	32	—	LSC42	LSP4	DLCL43	DCPM-43	DLCS43	DPIS43	BP-10		P-4
DCLNR/L3225P12	●	●	type chipbreaker cannot be used		32	25	170	30	32	32	—									
DCLNR/L3225P16			CN□□1606□□ -57, -65, -TU, -TR	1.2	32	25	170	40	32	32	—	ELSC53	LSP6C	DLCL54	DCPM-54	DLCS54	DPIS54	BP-13		P-4
DCLNR/L3232P16			type chipbreaker cannot be used		32	32	170	40	32	40	—									
DCLNR/L3232P19			CN□□1906□□ -57, -65, -TU, -TR		32	32	170	45.5	32	40	25	ELSC63	LSP6	DLCL64	DCPM-64	DLCS64	DPIS64	BP-15		P-5
DCLNR/L4040R19			type chipbreaker cannot be used		40	40	200	45.5	40	50	25									

Turning•Facing

DWLN R/L



Cutting edge style L



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(08)	(08)	(06, 08)	(08)

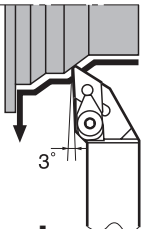
Appl.	Medium cutting	Medium cutting	Medium cutting	Precision finishing
Type	SM	CM	All-round	PCBN/PCD
Shape				
	(06, 08)	(08)	(06, 08)	(08)

For details see pp. 78 - 82

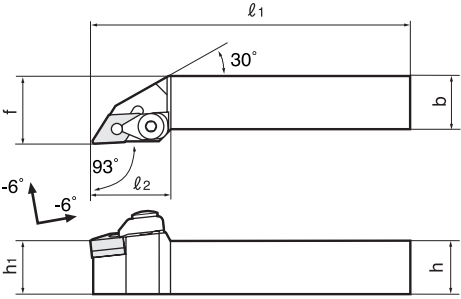
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamp	Clamping screw	Piston	Spring	Wrench
	R	L			h	b	l1	l2	h1	f	f1									
DWLN R/L2020K06	●	●			20	20	125	25.5	20	25	—									P-2.5
DWLN R/L2525M06	●	●	WN□□0604□□		25	25	150	31	25	32	—	LSW312	LSP3	LCL33	DCPM-33	DLCS-33	DPIS33	BP-9		P-3
DWLN R/L2020K08	●	●		0.8	20	20	125	31	20	25	—									P-3
DWLN R/L2525M08	●	●	WN□□0804□□ -57 type chipbreaker cannot be used		25	25	150	31	25	32	—	LSW42	LSP4	DLCL43	DCPM-43	DLCS43	DPIS43	BP-10		P-4
DWLN R/L3225P08	●	●			32	25	170	30	32	32	—									

Profiling

DDJN R/L



Cutting edge style **J**



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (1504)	 (1504, 06)	 (1504, 06)	 (1504, 06)

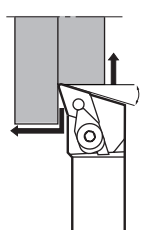
Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	 (1504, 06)	 (1504, 06)	 (1504, 06)	

For details see pp. 52 - 59

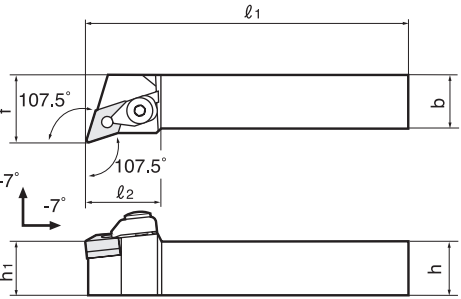
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Lever	Clamp	Clamping screw	Piston	Spring	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁								
DDJNR/L2020K15	●	●	DN□□1504□□	0.8	20	20	125	40	20	25	-	LSD42							
DDJNR/L2525M15	●	●			25	25	150	40	25	32	-								
DDJNR/L3225P15	●	●			32	25	170	30	32	32	-								
DDJNR/L2020K1506	●	●	DN□□1506□□	0.8	20	20	125	40	20	25	-	LSD42							
DDJNR/L2525M1506	●	●			25	25	150	40	25	32	-								
DDJNR/L3225P1506	●	●			32	25	170	38	32	32	-								

Profiling

DDQN R/L



Cutting edge style **Q**



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (1504)	 (1504, 06)	 (1504, 06)	 (1504, 06)

Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	 (1504, 06)	 (1504, 06)	 (1504, 06)	

For details see pp. 52 - 59

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Lever	Clamp	Clamping screw	Piston	Spring	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁								
DDQNR/L2020K15	●	●	DN□□1504□□ -57, -TU type chipbreaker cannot be used	0.8	20	20	125	35	20	25	-	LSD42	LSP4	DLCL43	DCPM-43	DLCS43	DPIS43	BP-10	P-3
DDQNR/L2525M15	●	●			25	25	150	35	25	32	-								
DDQNR/L3225P15	●	●			32	25	170	35	32	32	-								
DDQNR/L2020K1506	●	●	DN□□1506□□ -57, -TU type chipbreaker cannot be used	0.8	20	20	125	35	20	25	-	LSD42	LSP4	DLCL43	DCPM-43	DLCS43	DPIS44	BP-10	P-4
DDQNR/L2525M1506	●	●			25	25	150	35	25	32	-								
DDQNR/L3225P1506	●	●			32	25	170	35	32	32	-								

Turning•Facing•Chamfering

DSSN R/L

Cutting edge style **S**

Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(12)	(12)	(12)	(12)

Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape				
	(12)	(12)	(12)	

For details see pp. 61 - 67

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamp	Clamping screw	Piston	Spring	Wrench
	R	L			h	b	l1	l2	h1	f	f1									
DSSNR/L2020K12	●	○	SN□□1204□□	0.8	20	20	125	34.3	20	25	-		LSS42	LSP4	DLCL43	DCPM-43	DLCS43	DPIS43	BP-10	P-3
DSSNR/L2525M12	●	○			25	25	150	34.3	25	32	-									P-4

Facing

DSKN R/L

Cutting edge style **K**

Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(12)	(12)	(12)	(12)

Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape				
	(12)	(12)	(12)	

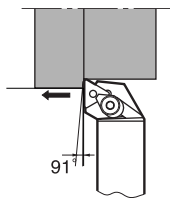
For details see pp. 61 - 67

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamp	Clamping screw	Piston	Spring	Wrench
	R	L			h	b	l1	l2	h1	f	f1									
DSKNR/L2020K12	○	○	SN□□1204□□	0.8	20	20	125	31	20	25	-		LSS42	LSP4	DLCL43	DCPM-43	DLCS43	DPIS43	BP-10	P-3
DSKNR/L2525M12	●	●			25	25	150	31	25	32	-									P-4

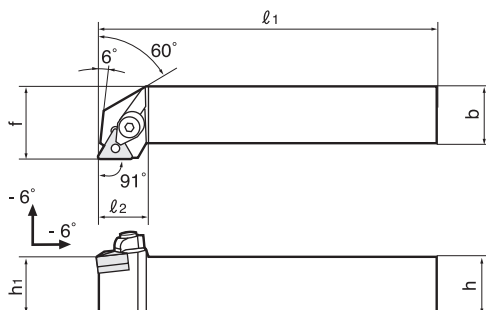
D-type — Negative rake • “One-Double” tools

Turning

DTGN R/L

Cutting
edge style

G



Right hand (R) shown

- Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (16)	 (16)	 (16, 22)	 (22)

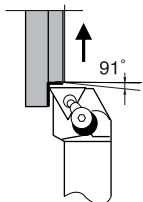
Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	 (16)	 (16, 22)	 (16)	

For details see pp. 70 - 76

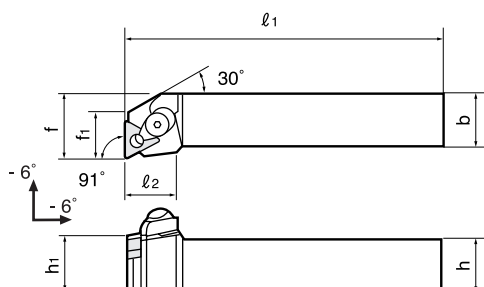
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Lever	Clamp	Clamping screw	Piston	Spring	Wrench
	R	L			h	b	ℓ1	ℓ2	h1	f	f1								
DTGN R/L2020K16	●	●	TN□□1604□□	0.8	20	20	125	21	20	25	-	LST317	LSP3	LCL33	DCPM-33	DLCS33	DPIS33	BP-9	P-3
DTGN R/L2525M16	●	●	-57 type chipbreaker cannot be used		25	25	150	21	25	32	-								P-2.5
DTGN R/L2525M22	●	●	TN□□2204□□ -57 type chipbreaker cannot be used		25	25	150	28	25	32	-	LST42	LSP4	DLCL43	DCPM-43	DLCS43	DPIS43	BP-10	P-3 P-4

Facing

DTFN R/L

Cutting
edge style

F



Right hand (R) shown

- Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (16)	 (16)	 (16, 22)	 (16, 22)

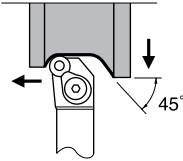
Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	 (16)	 (16, 22)	 (16)	

For details see pp. 70 - 76

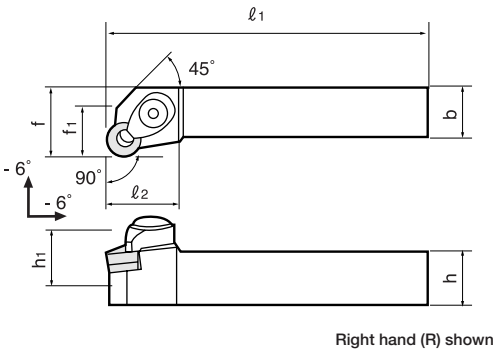
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamp	Clamping screw	Piston	Spring	Wrench
	R	L			h	b	ℓ1	ℓ2	h1	f	f1									
DTFN R/L2020K16	○	○	TN□□1604□□ -57 type chipbreaker cannot be used	0.8	20	20	125	21	20	25	185	LST317	LSP3	LCL33	DCPM-33	DLCS33	DPIS33	BP-9	P-2.5	
DTFN R/L2525M16	○	○			25	25	150	21	25	32	20									P-3
DTFN R/L2525M22	○	○			TN□□2204□□ -57 type chipbreaker cannot be used	25	25	150	28	25	32	24	LST42	LSP4	DLCL43	DCPM-43	DLCS43	DPIS43	BP-10	P-3 P-4

O. D. Profiling

DRGN R/L



Cutting edge style **G**



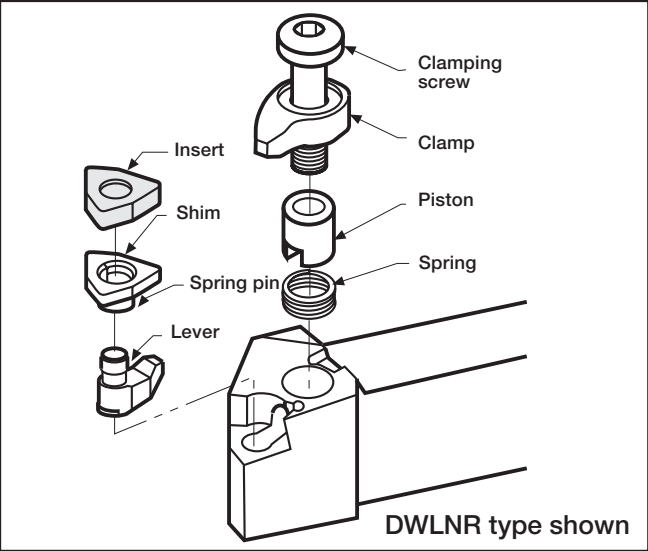
● Basic-choice chipbreaker

Appl.		Heavy cutting		
Type	—	61		
Shape				
	(12)	(12)		

Appl.				
Type				
Shape				

For details see p. 88

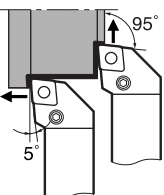
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamp	Clamping screw	Piston	Spring	Wrench
	R	L			h	b	l1	l2	h1	f	f1									
DRGN R/L2525M12	●	○	RN□□120400	—	25	25	150	28	25	32	18	LSR42	LSP4	DLCL43	DCPM-43	DLCS43	DPIS43	BP-10		P-3 P-4



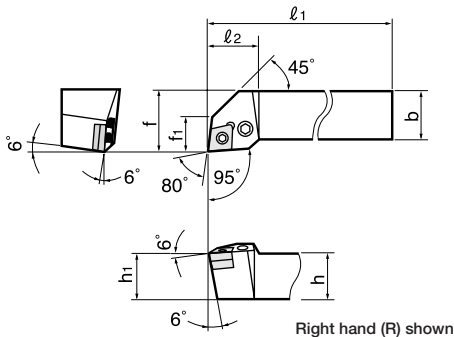
P-type — Negative rake • Pin-lock type

Turning•Facing

PCLN R/L



Cutting edge style **L**



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (12)	 (12)	 (09, 12)	 (12, 16, 19)

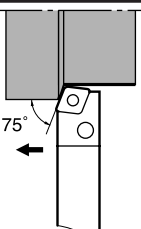
Appl.	Heavy cutting	Medium cutting	Medium cutting	Precision finishing
Type	TU	SM	CM	PCBN/PCD
Shape	 (12, 19)	 (12, 16, 19)	 (12, 16)	 (12)

For details see pp. 44 - 50

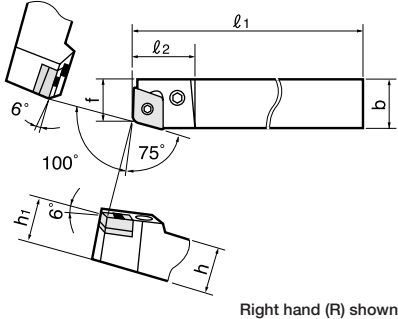
Cat. No.	Stock		Insert	Std. Comer R	Dimensions (mm)								Shim	Spring pin	Lever	Clamping screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁						
PCLNR/L1616H09 PCLNR/L2020K09 PCLNR/L2525M09	●		CN□□0903□□	0.8	16	16	100	20	16	20	15	ELSC32	LSP3L	LCL33	LCS3	P-2.5	
PCLNR/L1616H12E PCLNR/L2020K12E PCLNR/L2525M12E PCLNR/L3225P12E	●	●	CN□□1204□□		20	20	125	20	20	25	15						
	●	●			25	25	150	20	25	32	15						
	●	●			16	16	100	26	16	20	—						
PCLNR/L3232P19E PCLNR/L4040R19E	●	●	CN□□1906□□	1.2	20	20	125	28	20	25	18	ELSC42	LSP4S	LCL43M	LCS4	P-3	
	●	●			25	25	150	28	25	32	18						
	●	●			32	25	170	28	32	32	18						
	●	●			32	32	170	28	32	32	18						
PCLNR/L2525M16E PCLNR/L3225P16E PCLNR/L3232P16E	●	●	CN□□1606□□	1.2	32	32	170	40	32	40	25	ELSC63	LSP6	LCL6	LCS6	P-4	
	●	●			40	40	200	40	40	50	25						
	●	●			25	25	150	31	25	25	—						
	●	●			32	25	150	31	32	32	—						
	●	●			32	32	170	31	32	40	—	ELSC53	LSP6C	LCL5	LCS5	P-3	
	●	●			32	32	170	31	32	40	—						
	●	●			32	32	170	31	32	40	—						
	●	●			32	32	170	40	32	40	—						

Turning

PCBN R/L



Cutting edge style **B**



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (12)	 (12)	 (12)	 (12, 16, 19)

Appl.	Heavy cutting	Medium cutting	Medium cutting	Precision finishing
Type	TU	SM	CM	PCBN/PCD
Shape	 (12, 19)	 (12, 16, 19)	 (12, 16)	 (12)

For details see pp. 44 - 50

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Lever	Clamping screw	Wrench
	R	L			h	b	l ₁	l ₂	h ₁	f	f ₁					
PCBNR/L2020K12E	●	●	CN□□1204□□	0.8	20	20	125	28	20	17	—	ELSC42	LSP4S	LCL43M	LCS4	P-3
PCBNR/L2525M12E	●	●			25	25	150	28	25	22	—					
PCBNR/L2525M16E	●		CN□□1606□□	1.2	25	25	150	35	25	22	—	ELSC53	LSP6C	LCL5	LCS5CA	P-3
PCBNR/L3225P16E					32	25	170	35	32	22	—					
PCBNR/L3232P16E					32	32	170	35	32	27	—					
PCBNR/L3232P19E	●		CN□□1906□□			32	32	170	40	32	27	—	ELSC63	LSP6	LCL6	LCS6

Profiling

PDJN R/L

Cutting edge style **J**

Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	(1504)	(1504, 06)	(11, 1504, 06)	(1504, 06)

Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	(1504, 06)	(1504, 06)	(1504, 06)	

For details see pp. 52 - 59

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Lever	Clamping screw	Wrench	
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁						
PDJNR/L1616H11	●	●	DN□□1104□□	0.8	16	16	100	27	16	20	15	ELSD32		LCL33L	LCS3	P-2.5	
PDJNR/L2020K11	●	●			20	20	125	27	20	25	15						
PDJNR/L2525M11	●	○			25	25	150	27	25	32	15						
PDJNR/L2020K43E	●	●	DN□□1504□□		20	20	20	125	32	20	25	19	ELSD42		LCL44	ELCS4	P-3
PDJNR/L2525M43E	●	●				25	20	150	32	25	25	19					
PDJNR/L2020K15E	●	●	DN□□1506□□	1.2	20	20	125	32	20	25	—	ELSD42		LCL44	ELC4S	P-3	
PDJNR/L2525M15E	●	●			25	25	150	32	25	32	—						
PDJNR/L3225P15E	●	●			32	25	170	32	32	34	—						
PDJNR/L3232P15E	●	●			32	32	170	32	32	40	—						

Profiling

PDPNN

Cutting edge style **P**

Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	(1506)	(1506)	(1506)	(1506)

Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	(1506)	(1506)	(1506)	

For details see pp. 52 - 59

Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamping screw	Wrench
				h	b	ℓ1	ℓ2	h1	f	f1						
PDPNN2525M15E	●	DN□□1506□□	1.2	25	25	150	36	25	12.5	—	ELSD42					P-3
PDPNN3225P15E	●			32	25	170	36	32	12.5	—						

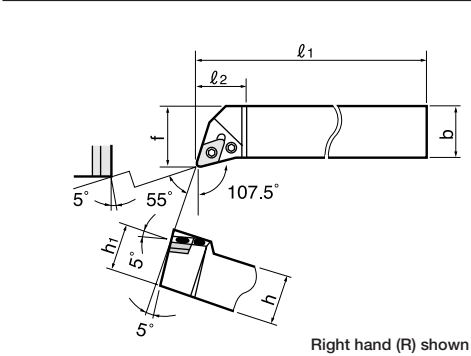
P-type — Negative rake • Pin-lock type

Profiling

PDQN R/L

17.5°

Cutting edge style **Q**



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	(1504)	(1504, 06)	(1504, 06)	(1504, 06)

Appl.	Medium cutting	Medium cutting	Precision finishing	
Type	SM	CM	PCBN/PCD	
Shape	(1504, 06)	(1504, 06)	(1504, 06)	

For details see pp. 52 - 59

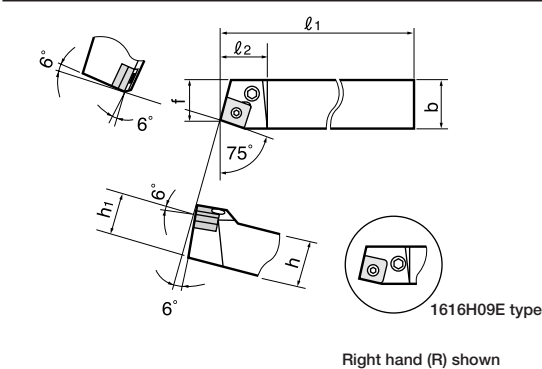
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Lever	Clamping screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁					
PDQNR/L2020K43E			DN□□1504□□	0.8	20	20	125	32	20	25	—	ELSD42	LSP4S	LCL44	ELCS4	P-3
PDQNR/L2525M43E					25	25	150	32	25	32	—					
PDQNR/L3225P43E					32	25	170	32	32	32	—					
PDQNR/L3232P43E					32	32	170	32	32	40	—					
PDQNR/L2020K15E	●	●	DN□□1506□□	1.2	20	20	125	32	20	25	—	ELSD42	LSP4S	LCL44	ELCS4	P-3
PDQNR/L2525M15E	●	●			25	25	150	32	25	32	—					
PDQNR/L3225P15E					32	25	170	32	32	32	—					
PDQNR/L3232P15E					32	32	170	32	32	40	—					

Turning

PSBN R/L

75°

Cutting edge style **B**



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	(12)	(12)	(09, 12)	(12, 15, 19)

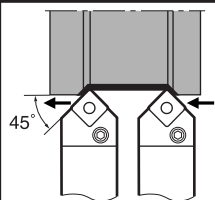
Appl.	Heavy cutting	Medium cutting	Medium cutting	Precision finishing
Type	TU	SM	CM	PCBN/PCD
Shape	(19, 25)	(12)	(12)	(12)

For details see pp. 61 - 67

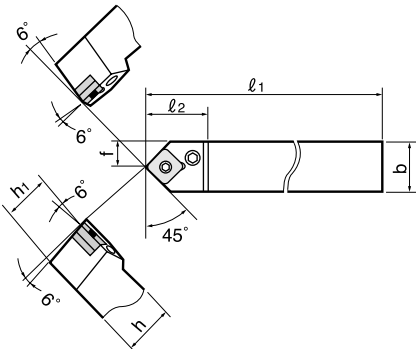
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamping screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁						
PSBNR/L1616H09E			SN□□0903□□	0.8	16	16	100	22	16	13	—	ELSS32	LSP3L	LCL33	LCS3	P-2.5	
PSBNR/L2020K12E	●	●	SN□□1204□□		20	20	125	28	20	17	—	ELSS42	LSP4S	LCL43M	LCS4	P-3	
PSBNR/L2525M12E	●	●			25	25	150	24	25	22	—						
PSBNR/L3225P12E	●	●			32	25	170	28	32	22	—						
PSBNR/L2525M15E	●	●	SN□□1506□□	1.2	25	25	150	35	25	22	—	ELSS53	LSP5	LCL5	LCS5CA	P-3	
PSBNR/L3225P15E					32	25	170	35	32	22	—						
PSBNR/L3232P15E					32	32	170	35	32	27	—						
PSBNR/L3232P19E	●	●	SN□□1906□□		32	32	170	40	32	27	—	ELSS63	LSP6	LCL6	LCS6	P-4	
PSBNR/L4040R19E					40	40	200	40	40	35	—						
PSBNR/L5050T25E			SN□□2507□□	2.4	50	50	300	48	50	43	—	ELSS84	LSP8	LCL8	LCS8	P-5	

Turning•Chamfering

PSDNN



Cutting edge style **D**



● Basic-choice chipbreaker

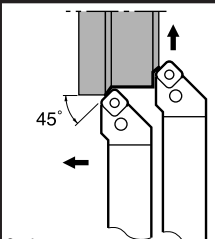
Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (12)	 (12)	 (09, 12)	 (12, 15)

Appl.	Heavy cutting	Medium cutting	Medium cutting	Precision finishing
Type	65	SM	CM	PCBN/PCD
Shape	 (12)	 (12)	 (12)	 (12)

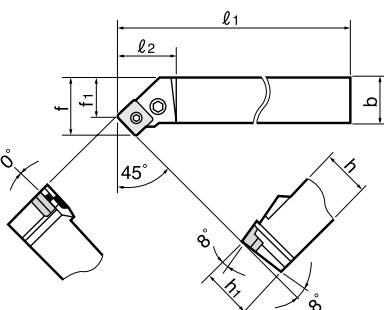
For details see pp. 61 - 67

Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamping screw	Wrench
				h	b	l ₁	l ₂	h ₁	f	f ₁						
PSDNN1616H09E		SN□□0903□□		16	16	100	22	16	8.0	—		ELSS32	LSP3L	LCL33	LCS3	P-2.5
PSDNN2020K12E	●	SN□□1204□□	0.8	20	20	125	30	20	10.3	—		ELSS42	LSP4S	LCL43M	LCS4	P-3
PSDNN2525M12E	●			25	25	150	30	25	12.8	—						
PSDNN3225P12E	●			32	25	170	30	32	12.8	—						
PSDNN3232P15E		SN□□1506□□	1.2	32	32	170	—	32	—	—		ELSS53	LSP5	LCL5	LCS5CA	P-3

Turning•Facing•Chamfering
PSSN R/L



Cutting edge style **S**



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (12)	 (12)	 (09, 12)	 (12, 15, 19)

Appl.	Heavy cutting	Medium cutting	Medium cutting	Precision finishing
Type	65	SM	CM	PCBN/PCD
Shape	 (19)	 (12)	 (12)	 (12)

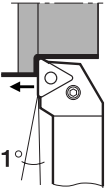
For details see pp. 61 - 67

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamping screw	Wrench
	R	L			h	b	l ₁	l ₂	h ₁	f	f ₁						
PSSNR/L1616H09E	●		SN□□0903□□		16	16	100	22	16	20	139		ELSS32	LSP3L	LCL33	LCS3	P-2.5
PSSNR/L2020K12E	●	●	SN□□1204□□	0.8	20	20	125	30	20	25	167		ELSS42	LSP4S	LCL43M	LCS4	P-3
PSSNR/L2525M12E	●	●			25	25	150	30	25	32	237						
PSSNR/L3225P12E	●	●			32	25	170	30	32	32	237						
PSSNR/L2525M15E	●	●	SN□□1506□□	1.2	25	25	150	35	25	32	—		ELSS53	LSP5	LCL5	LCS5CA	P-3
PSSNR/L3225P15E					32	25	170	35	32	32	—						
PSSNR/L3232P15E					32	32	170	35	32	40	—						
PSSNR/L3232P19E	●		SN□□1906□□		32	32	170	40	32	40	278		ELSS63	LSP6	LCL6	LCS6	P-4
PSSNR/L4040R19E					40	40	200	40	40	50	325						

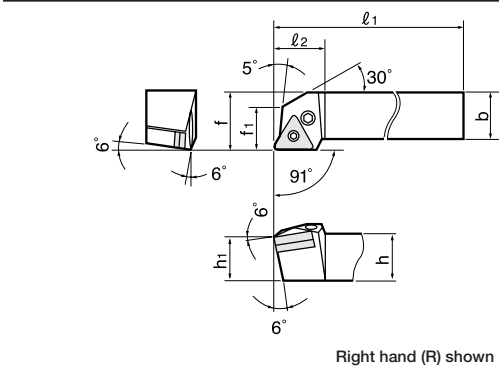
P-type — Negative rake • Pin-lock type

Turning

PTGN R/L



Cutting edge style **G**



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (16)	 (16)	 (16, 22)	 (22)

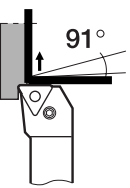
Appl.	Heavy cutting	Medium cutting	Medium cutting	Precision finishing
Type	57	SM	CM	PCBN/PCD
Shape	 (16, 22)	 (16)	 (16, 22)	 (16)

For details see pp. 70 - 76

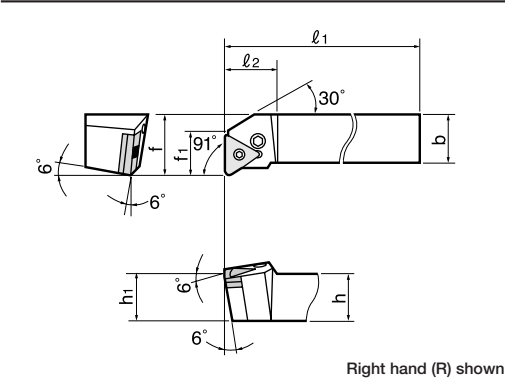
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Lever	Clamping screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁					
PTGNR/L1616H16E	●	●	TN□□1604□□	0.8	16	16	100	22	16	20	16	ELST317	LSP3	LCL33	LCS3	P-2.5
PTGNR/L2020K16E	●	●			20	20	125	22	20	25	16					
PTGNR/L2525M16E	●	●			25	25	150	22	25	32	21					
PTGNR/L3225P16E					32	25	170	22	32	32	21					
PTGNR/L2525M22E	●	●	TN□□2204□□	0.8	25	25	150	28	25	32	24	ELST42	LSP4S	LCL43M	LCS3	P-3
PTGNR/L3225P22E	●	●			32	25	170	28	32	32	24					
PTGNR/L3232P22E	●				32	32	170	28	32	40	28					
PTGNR/L3232P27E			TN□□2706□□	1.2	32	32	170	35	32	40	30	ELST53	LSP6C	LCL54	LCS5	P-3

Facing

PTFN R/L



Cutting edge style **F**



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	 (16)	 (16)	 (16, 22)	 (22)

Appl.	Heavy cutting	Medium cutting	Medium cutting	Precision finishing
Type	57	SM	CM	PCBN/PCD
Shape	 (16, 22)	 (16)	 (16, 22)	 (16)

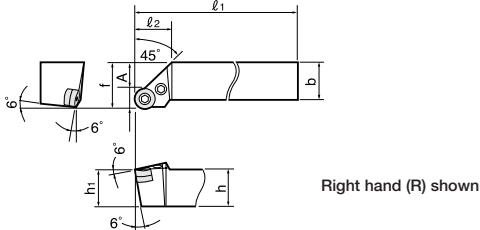
For details see pp. 70 - 76

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamping screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁						
PTFNR/L1616H16E	●	●	TN□□1604□□	0.8	16	16	100	22	16	20	18	ELST317	LSP3	LCL33	LCS3	P-2.5	
PTFNR/L2020K16E	●	●			20	20	125	22	20	25	17.5						
PTFNR/L2525M16E	●	●			25	25	150	22	25	32	20						
PTFNR/L3225P16E	●	●			32	25	170	22	32	32	20						
PTFNR/L2525M22E	●	●	TN□□2204□□	0.8	25	25	150	28	25	32	24	ELST42	LSP4S	LCL43M	LCS3	P-3	
PTFNR/L3225P22E	●	●			32	25	170	28	32	32	24						
PTFNR/L3232P27E			TN□□2706□□	1.2	32	32	170	31	32	40	30	LST53	LSP5	LCL5	LCS5	P-3	
PTFNR/L4040P27E					40	40	200	31	40	50	30						

Profiling

PRGN R/L

Cutting edge style **G**



● Basic-choice chipbreaker

Appl.	Heavy cutting			
Type	61			
Shape				
	(12)			

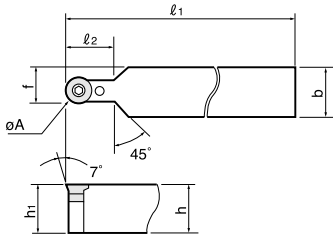
For details see p. 88

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Spring pin	Lever	Clamping screw	Wrench
	R	L			h	b	l ₁	l ₂	h ₁	f	A						
PRGNR/L2020K09E	●	●	RNMG090300-61	—	20	20	125	19	20	25	(9,52)	ELSR32		LSP3L	LCL33	LCS3	P-2.5
PRGNR/L2525M09E	●	●			25	25	150	25	25	32	(9,52)						
PRGNR/L2525M12E	●	●	RNMG120400-61		25	25	150	25	25	32	(12,7)						

Profiling

PRDCN

Cutting edge style **D**



● Basic-choice chipbreaker

Appl.	Heavy cutting			
Type	61			
Shape				
	(10, 12, 16, 20, 25)			

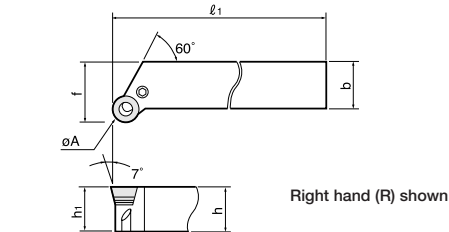
For details see p. 122

Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)							Shim	Spring pin	Lever	Clamping screw	Wrench
				h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁					
PRDCN2020K10E	●	RCMM1003M0-61	—	20	20	125	22	20	15.0	10	ELSR32C	LSP3L	LCL3C	ELCS2	P-2
PRDCN2525M10E	●			25	25	150	22	25	17.5	10					
PRDCN2525M12E	●	RCMM1204M0-61		25	25	150	24	25	18.5	12	ELSR42C	LSP3	LCL4C	LCS3	P-2.5
PRDCN3225P12E				32	25	170	24	32	18.5	12					
PRDCN3225P16E	●	RCMM1606M0-61		32	25	170	28	32	20.5	16	ELSR53C	LSP4	LCL5C	ELCS3	P-2.5
PRDCN3232P20E	●	RCMM2006M0-61		32	32	170	32	32	26.0	20	ELSR63C	LSP6C	LCL6C	LCS5	P-3
PRDCN4040R25E		RCMM2507M0-61		40	40	200	42	40	32.5	25	ELSR84C	LSP6	LCL8C	LCS8C	P-4

Profiling

PRGC R/L

Cutting edge style **G**



● Basic-choice chipbreaker

Appl.	Heavy cutting			
Type	61			
Shape				
	(10, 12, 16, 20, 25)			

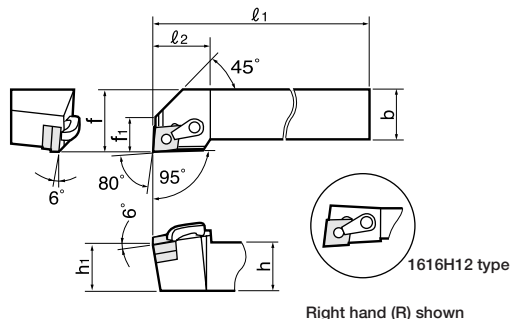
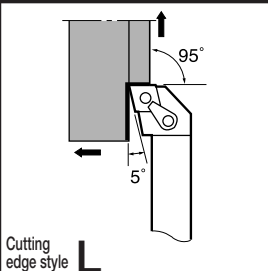
For details see p. 122

Cat. No.	Stock		Insert	Std. Cormer R	Dimensions (mm)								Shim	Spring pin	Lever	Clamping screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁						
PRGCR/L2020K10E	●		RCMM1003M0-61	—	20	20	125	—	20	25	10	ELSR32C	LSP3L	LCL3C	ELCS2	P-2	
PRGCR/L2525M10E	●				25	25	150	—	25	32	10						
PRGCR/L2020K12E			RCMM1204M0-61		20	20	150	—	20	25		ELSR42C	LSP3	LCL4C	LCS3	P-2.5	
PRGCR/L2525M12E	●	●			25	25	150	—	25	32	12						
PRGCR/L3225P12E					32	25	170	—	32	32							
PRGCR/L2525M16E			RCMM1606M0-61		25	25	150	—	25	32	16	ELSR53C	LSP4	LCL5C	ELCS3	P-2.5	
PRGCR/L3225P16E	●	●			32	25	170	—	32	32	16						
PRGCR/L3232P20E	●		RCMM2006M0-61		32	32	170	—	32	40	20	ELSR63C	LSP6C	LCL6C	LCS5	P-3	
PRGCR/L4040S25E			RCMM2507M0-61		40	40	250	—	40	50	25	ELSR84C	LSP6	LCL8C	LCS8C	P-4	

M-type — Negative rake • Multi-clamp type

Turning•Facing

MCLN R/L



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(12)	(12)	(12)	(12, 16, 19)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	TU	SM	CM	Ceramics
Shape				
	(12, 19)	(12, 16, 19)	(12)	(1204, 07)

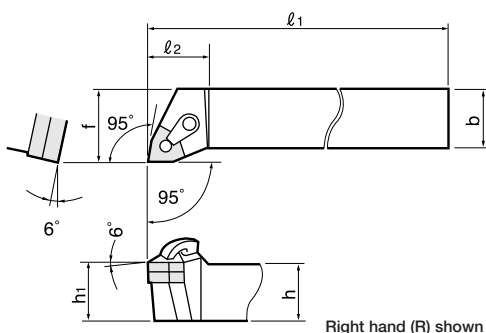
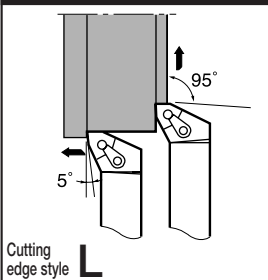
For details see pp. 44 - 50

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench	
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁									
MCLNR/L1616H12	●		CN□□1204□□	0.8	16	16	100	30	16	20	—	MSC-432	MLP46	— (MSP6.3)	MCPM-21	MCS625-3	— (CBC-4MN)	P-2.5F	P-3	
MCLNR/L2020K12	●	●			20	20	125	30	20	25	18									
MCLNR/L2525M12	●	●			25	25	150	30	25	32	18									
MCLNR/L3225P12					32	25	170	30	32	32	18									
MCLNR/L2020K12C			CN□□1207□□ (CN□□1206□□)		20	20	125	32	20	25	18	MSC-432	—	MSP6.3	MCPM-21	MCS625-3	CBC-4MN	P-2.5F	P-3	
MCLNR/L2525M12C	●	●			25	25	150	32	25	32	18									
MCLNR/L3225P12C	●				32	25	170	32	32	32	18	(MSC-442)	(MLP46L)							
MCLNR/L2525M16			CN□□1606□□ (CN□□1604□□)	1.2	25	25	150	35	25	32	22									
MCLNR/L3225P16					32	25	170	35	32	32	22	MSC-533	MLP58	—	MCPM-12	MCS828-4	—	P-3	P-4	
MCLNR/L3232P16					32	32	170	35	32	40	22	(MSC-543)								
MCLNR/L3232P19			CN□□1906□□		32	32	170	38	32	40	30	MSC-634	MLP68	—	MCPM-12	MCS828-4	—	P-4	P-4	
MCLNR/L4040R19					40	40	200	38	40	50	30									

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Turning•Facing

MWLN R/L



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(08)	(08)	(08)	(08, 10)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	57	SM	CM	Ceramics
Shape				
	(08, 10, 13)	(08)	(08)	(08)

For details see pp. 78 - 82

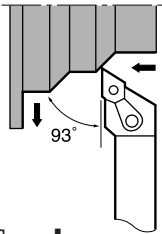
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁								
MWLN R/L2020K08	●	●	WNM□□0804□□	0.8	20	20	125	25	20	25	—	MSW-432	MLP46	—	MCPM-6	MCS 520-2.5	—	—	P-2.5
MWLN R/L2525M08	●	●			25	25	150	25	25	32	—								
MWLN R/L3225P08					32	25	170	25	32	32	—								
MWLN R/L2525M10	△	△	WNM□□1006□□	1.2	25	25	150	30	25	32	—	MSW-533	MLP58	—	MCPM-21	MCS625-3	—	P-3	P-3
MWLN R/L3225P10					32	25	170	30	32	32	—								
MWLN R/L3232P10	△				32	32	170	30	32	40	—								
MWLN R/L4040R10					40	40	200	30	40	50	—								
MWLN R/L3232P13			WNM□□1306□□		32	32	170	38	32	40	—	MSW-633	MLP68	—	MCPM-12	MCS828-4	—	P-4	P-4
MWLN R/L4040R13					40	40	200	38	40	50	—								

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

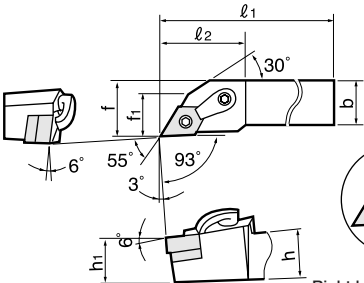
Reference
guideParts for M-type
P. 157 ~ 159

Profiling

MDJN R/L



Cutting edge style **J**



1616H11 type
Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(1504)	(1504, 06)	(11, 1504, 06)	(1504, 06)

Appl.	Medium cutting	Medium cutting		Precision finishing
Type	SM	CM	Ceramics	PCBN/PCD
Shape				
	(1504, 06)	(1504, 06)	(1504, 07)	(1504, 06)

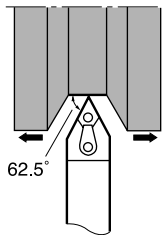
For details see pp. 52 - 59

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁								
MDJNR/L1616H11	●	●	DN□□1104□□	0.8	16	16	100	30	16	20	—	MSD-322	MLP34L	—	MCPM-20	MCS620-3	—	P-2F	P-3
MDJNR/L2020K15	●	●	DN□□1506□□ (DN□□1504□□)		20	20	125	38	20	25	19	MSD-432 (MSD-442)	MLP46L	— (MSP6.3)	MCPM-22	MCS625-3	— (CBD-4MR/L)	P-2.5F	P-3
MDJNR/L2525M15	●	●			25	25	150	38	25	32	19								
MDJNR/L3225P15					32	25	170	38	32	32	19								
MDJNR/L3232P15					32	32	170	38	32	40	19								
MDJNR/L2020K15C	●	●	DN□□1507□□ (DN□□1506□□)	0.8	20	20	125	38	20	25	19	MSD-432 (MSD-442)	— (MLP46L)	MSP6.3	MCPM-22	MCS625-3	CBD-4M R/L	P-2.5F	P-3
MDJNR/L2525M15C					25	25	150	38	25	32	19								
MDJNR/L3225P15C					32	25	170	38	32	32	19								
MDJNR/L3232P15C					32	32	170	38	32	40	19								

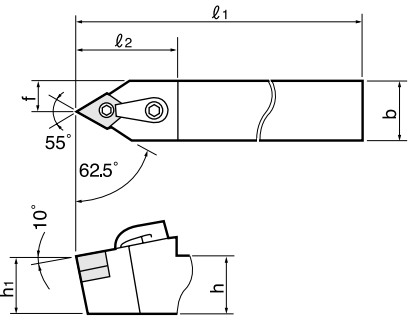
Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Profiling

MDPNN



Cutting edge style **P**



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(1504)	(1504, 06)	(11, 1504, 06)	(1504, 06)

Appl.	Medium cutting	Medium cutting		Precision finishing
Type	SM	CM	Ceramics	PCBN/PCD
Shape				
	(1504, 06)	(1504, 06)	(1504)	(1504, 06)

For details see pp. 52 - 59

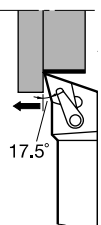
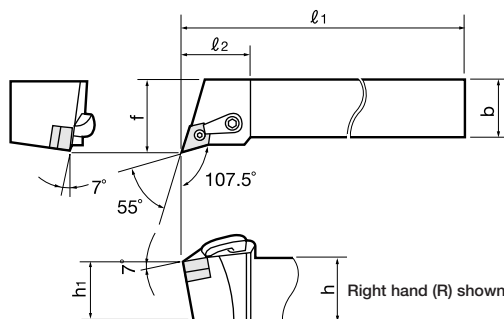
Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
				h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁								
MDPNN1616H11	△	DN□□1104□□	0.8	16	16	100	35	16	8	—	MSD-322	MLP34L	—	MCPM-20	MCS620-3	—	P-2F	P-3
MDPNN2020K15	●	DN□□1506□□ (DN□□1504□□)		20	20	125	45	20	10	—	MSD-432 (MSD-442)	MLP46L	— (MSP-6.3)	MCPM-22	MCS625-3	— (CBD-4MN)	P-2.5F	P-3
MDPNN2525M15	●			25	25	150	45	25	125	—								
MDPNN3225P15	●			32	25	170	45	32	125	—								
MDPNN3232P15	△			32	32	170	45	32	16	—								

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

M-type — Negative rake • Multi-clamp type

Profiling

MDQN R/L

Cutting edge style **Q**

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(1504)	(1504, 06)	(11, 1504, 06)	(1504, 06)

Appl.	Medium cutting	Medium cutting		Precision finishing
Type	SM	CM	Ceramics	PCBN/PCD
Shape				
	(1504, 06)	(1504, 06)	(1504)	(1504, 06)

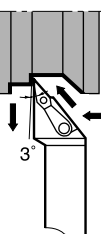
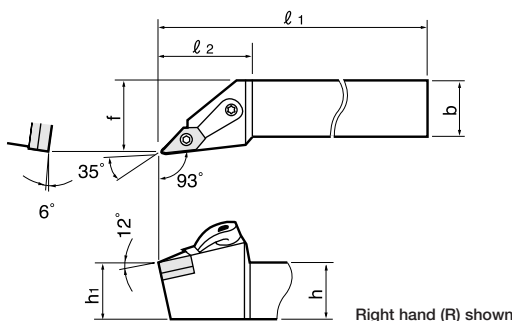
For details see pp. 52 - 59

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	l1	l	h1	f	f1									
MDQNR/L1616H11			DN□□1104□□		16	16	100	30	16	20	—		MSD-322	MLP34L	—	MCPM-20	MCS620-3	—	P-2F	P-3
MDQNR/L2020K15	●	●			20	20	125	38	20	25	—									
MDQNR/L2525M15	●	△	DN□□1506□□	0.8	25	25	150	38	25	32	—		MSD-432	MLP46L	—	MCPM-22	MCS625-3	—	P-2.5F	P-3
MDQNR/L3225P15					32	25	170	38	32	32	—									
MDQNR/L3232P15	△		(DN□□1504□□)		32	32	170	38	32	40	—	(MSD-442)		(MSP-6.3)			(CBD-4MR/L)			

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Profiling

MVJN R/L

Cutting edge style **J**

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Medium cutting
Type	TF	TS	TM	CM
Shape				
	(16)	(16)	(16)	(16)

Appl.	Precision finishing	Medium cutting		
Type	PCBN	SM		
Shape				
	(16)	(16)		

For details see pp. 83 - 87

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	l1	l	h1	f	f1									
MVJNR/L2020K16	●	●			20	20	125	42	20	25	—									
MVJNR/L2525M16	●	●			25	25	150	42	25	32	—									
MVJNR/L3225P16	●	●	VN□□1604□□	0.8	32	25	170	42	32	32	—		MSV-322	MLP34L	—	MCPM-22	MCS625-3	—	P-2F	P-3
MVJNR/L3232P16	●	●			32	32	170	42	32	40	—									

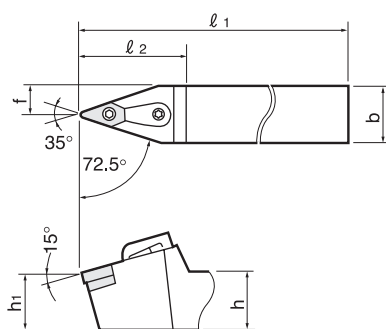
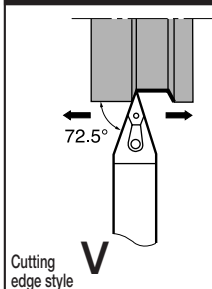
Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Reference guide

Parts for M-type
P. 157 ~ 159

Profiling

MVVNN



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Medium cutting
Type	TF	TS	TM	CM
Shape				

Appl.	Precision finishing	Medium cutting		
Type	PCBN	SM		
Shape				

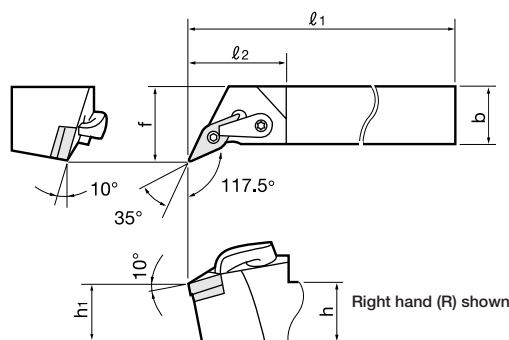
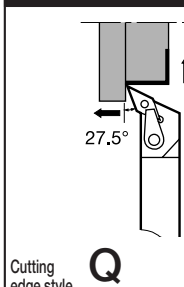
For details see pp. 83 - 87

Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)								Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
				h	b	l ₁	l ₂	h ₁	f	f ₁									
MVVNN2020K16	●	VN□□1604□□	0.8	20	20	125	48	20	10	—									
MVVNN2525M16	●			25	25	150	48	25	12.5	—		MSV-322	MLP34L	—	MCPM-30	MCS828-4	—	P-2F	P-4
MVVNN3225P16				32	25	170	48	32	12.5	—									

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Profiling

MVQN R/L



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Medium cutting
Type	TF	TS	TM	CM
Shape				

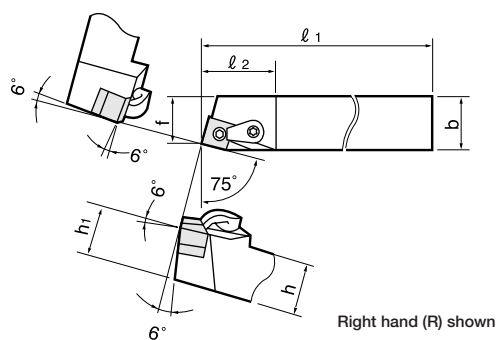
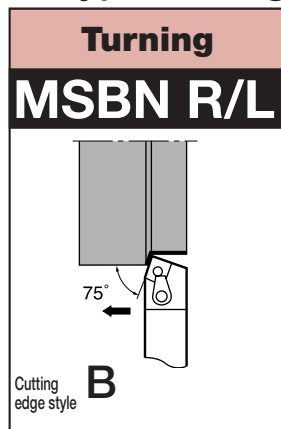
Appl.	Precision finishing	Medium cutting		
Type	PCBN	SM		
Shape				

For details see pp. 83 - 87

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	l ₁	l ₂	h ₁	f	f ₁									
MVQNR/L2020K16	●	●	VN□□1604□□	0.8	20	20	125	40	20	25	—									
MVQNR/L2525M16	●	●			25	25	150	40	25	32	—		MSV-322	MLP34L	—	MCPM-22	MCS625-3	—	P-2F	P-3
MVQNR/L3225P16	●	●			32	25	170	40	32	32	—									
MVQNR/L3232P16	●				32	32	170	40	32	40	—									

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

M-type — Negative rake • Multi-clamp type



● Basic-choice chipbreaker

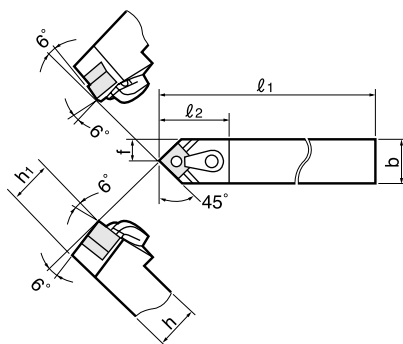
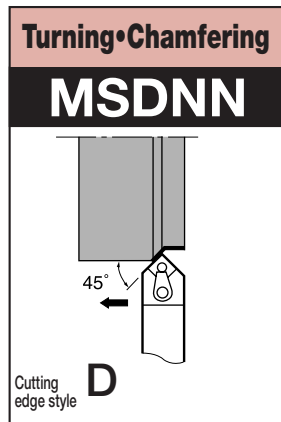
Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(12)	(12)	(12)	(12)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	65	SM	CM	Ceramics
Shape				
	(12)	(12)	(12)	(1204, 07)

For details see pp. 61 - 67

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	l ₁	l ₂	h ₁	f	f ₁								
MSBNR/L2020K12	△	△	SN□□1204□□	0.8	20	20	125	33.5	20	17	—	MSS-432	MLP46	—	MCPM-21	MCS625-3	—	P-2.5F	P-3
MSBNR/L2525M12	●	●			25	25	150	33.5	25	22	—			(MSP-6.3)			(CBS-4M)		
MSBNR/L2020K12C			SN□□1207□□		20	20	125	33.5	20	17	—	MSS-432	—	MSP-6.3	MCPM-21	MCS625-3	CBS-4M	P-2.5F	P-3
MSBNR/L2525M12C	●	●	(SN□□1206□□)		25	25	150	33.5	25	22	—	(MSS-442)	(MLP46L)						

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(12)	(12)	(12)	(12)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	65	SM	CM	Ceramics
Shape				
	(12)	(12)	(12)	(1204, 07)

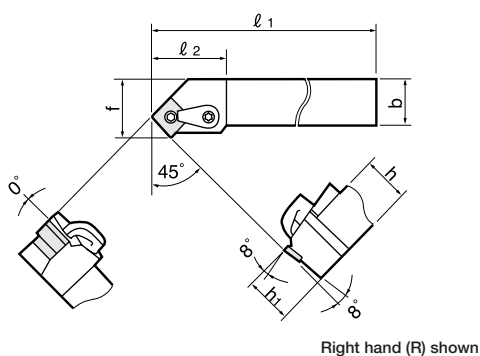
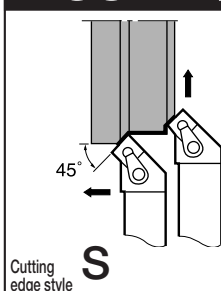
For details see pp. 61 - 67

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	l ₁	l ₂	h ₁	f	f ₁								
MSDNN2020K12	△		SN□□1204□□	0.8	20	20	125	34	20	10.0	—	MSS-432	MLP46	—	MCPM-21	MCS625-3	—	P-2.5F	P-3
MSDNN2525M12	●				25	25	150	34	25	12.5	—			(MSP-6.3)			(CBS-4MN)		
MSDNN2020K12C			SN□□1207□□		20	20	125	34	20	10.0	—	MSS-432	—	MSP-6.3	MCPM-21	MCS625-3	CBS-4MN	P-2.5F	P-3
MSDNN2525M12C			(SN□□1206□□)		25	25	150	34	25	12.5	—	(MSS-442)	(MLP46L)						

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Turning•Facing•Chamfering

MSSN R/L



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(12)	(12)	(12)	(12)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	65	SM	CM	Ceramics
Shape				
	(12)	(12)	(12)	(1204, 07)

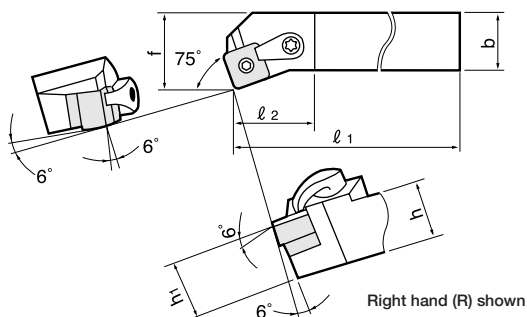
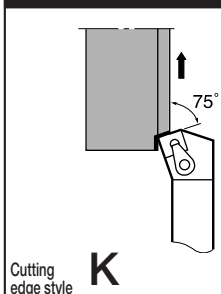
For details see pp. 61 - 67

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	ℓ ₁	ℓ	h ₁	f	f ₁								
MSSNR/L2020K12	●		SN□□1204□□	0.8	20	20	133	34	20	25	—	MSS-432	MLP46	—	MCPM-21	MCS625-3	—	P-2.5F	P-3
MSSNR/L2525M12	●	●			25	25	158	34	25	32	—			(MSP-6.3)			(CBS-4M)		
MSSNR/L2020K12C			SN□□1207□□	0.8	20	20	133	34	20	25	—	MSS-432	—	MSP-6.3	MCPM-21	MCS625-3	CBS-4M	P-2.5F	P-3
MSSNR/L2525M12C	●		(SN□□1206□□)		25	25	158	34	25	32	—	(MSS-442)	(MLP46L)						

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Facing

MSKN R/L



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(12)	(12)	(12)	(12)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	65	SM	CM	Ceramics
Shape				
	(12)	(12)	(12)	(1204, 07)

For details see pp. 61 - 67

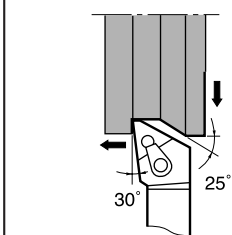
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	ℓ ₁	ℓ	h ₁	f	f ₁								
MSKNR/L2020K12			SN□□1204□□	0.8	20	20	125	29	20	25	—	MSS-432	MLP46	— (MSP-6.3)	MCPM-21	MCS625-3	— (CBS-4M)	P-2.5F	P-3
MSKNR/L2525M12					25	25	150	29	25	32	—								
MSKNR/L2020K12C			SN□□1207□□	0.8	20	20	125	29	20	25	—	MSS-432	—	MSP-6.3	MCPM-21	MCS625-3	CBS-4M	P-2.5F	P-3
MSKNR/L2525M12C			(SN□□1206□□)		25	25	150	29	25	32	—								

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

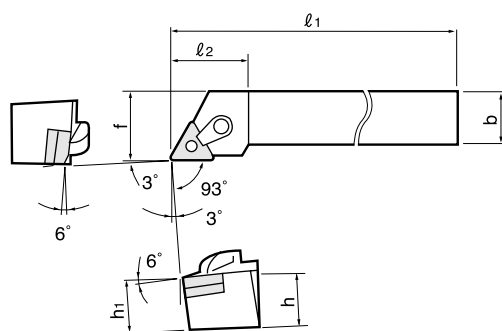
M-type — Negative rake • Multi-clamp type

Profiling

MTJN R/L



Cutting edge style J



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(16)	(16)	(16, 22)	(22)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	57	SM	CM	Ceramics
Shape				
	(16, 22)	(16)	(16, 22)	(1604, 22)

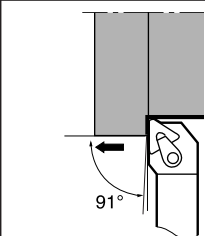
For details see pp. 70 - 76

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	ℓ ₁	ℓ	h ₁	f	f ₁								
MTJNR/L2020K16	●	●		0.8	20	20	125	28	20	25	—								
MTJNR/L2525M16	●	●	TN□□1604□□		25	25	150	28	25	32	—	MST-322	MLP-34L	—	MCPM-21	MCS625-3	—	P-2F	P-3
MTJNR/L3225P16			(TN□□1603□□)		32	25	170	28	32	32	—	(MST-332)							
MTJNR/L2525M22					25	25	150	32	25	32	—								
MTJNR/L3225P22			TN□□2204□□		32	25	170	32	32	40	—	MST-432	MLP-46	—	MCPM-9	MCS828-4	—	P-2.5F	P-4
MTJNR/L3232P22					32	32	170	32	32	40	—			(MSP-6.3)			(CBT-4M)		

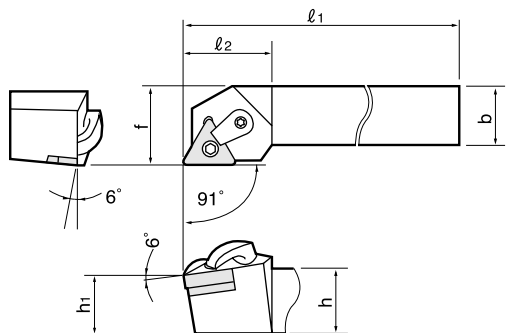
Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Turning

MTGN R/L



Cutting edge style G



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(16)	(16)	(16, 22)	(22)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	57	SM	CM	Ceramics
Shape				
	(16, 22)	(16)	(16, 22)	(1604, 22)

For details see pp. 70 - 76

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	ℓ ₁	ℓ	h ₁	f	f ₁								
MTGNR/L1616H16	●		TN□□1604□□ (TN□□1603□□)	0.8	16	16	100	28	16	20	—	MST-322	MLP-34L	—	MCPM-20	MCS620-3	—	P-2F	P-3
MTGNR/L2020K16	△	△			20	20	125	28	20	25	—				MCPM-21	MCS625-3			
MTGNR/L2525M16	●	●			25	25	150	28	25	32	—	(MST-332)		(MSP-5)				(CBT-4M)	
MTGNR/L2020K16C	●	●	TN□□1607□□		20	20	125	28	20	25	—	MST-322	—	MCP-5	MCPM-21	MCS625-3	CBT-3M	P-2F	P-3
MTGNR/L2525M16C	●	●			25	25	150	28	25	32	—								
MTGNR/L2525M22	△	△	TN□□2204□□	1.2	25	25	150	32	25	32	—								
MTGNR/L3225P22					32	25	170	32	32	32	—	MST-432	MLP-46	—	MCPM-9	MCS828-4	—	P-2.5F	P-4
MTGNR/L3232P22	△				32	32	170	32	32	40	—			(MSP-6.3)			(CBT-4M)		
MTGNR/L2525M27			TN□□2706□□		25	25	150	38	25	32	—								
MTGNR/L3232P27					32	32	170	38	32	40	—	MST-533	MLP-58	—	MCPM-12	MCS828-4	—	P-3	P-4
MTGNR/L4040R27				40	40	200	38	40	50	—									
MTGNR/L3232P33			TN□□3307□□		32	32	170	40	32	40	—	MST-644	MCP68L	—	MCPM-30	MCS825-4	—	P-3	P-4
MTGNR/L4040R33					40	40	200	40	40	50	—								

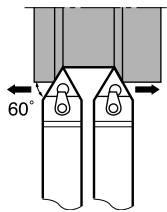
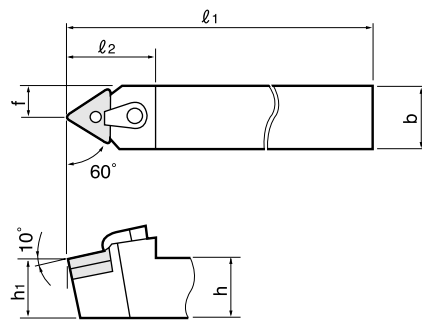
Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Reference guide

Parts for M-type
P. 157 ~ 159

Turning•Profiling

MTENN

Cutting edge style **E**

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	(16)	(16)	(16, 22)	(22)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	57	SM	CM	Ceramics
Shape	(16, 22)	(16)	(16, 22)	(16, 22)

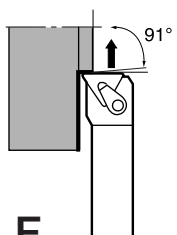
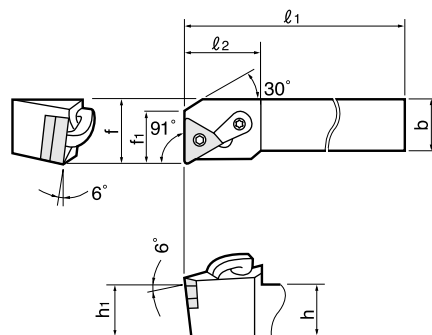
For details see pp. 70 - 76

Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
				h	b	ℓ ₁	ℓ	h ₁	f	f ₁								
MTENN2020K16	●	TN□□1604□□	0.8	20	20	125	—	20	10	—	MST-322	MLP34L	—	MCPM-21	MCS625-3	—	P-2F	P-3
MTENN2525M16	△			25	25	150	—	25	12.5	—								
MTENN3225P16				32	25	170	—	32	12.5	—								
MTENN2525M22	△	TN□□2204□□	0.8	25	25	150	—	25	12.5	—	MST-432	MLP46	—	MCPM-9	MCS828-4	—	P-2.5F	P-4
MTENN3225P22				32	25	170	—	32	12.5	—								
MTENN3232P22				32	32	170	—	32	16	—								

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Facing

MTFN R/L

Cutting edge style **F**

Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape	(16)	(16)	(16, 22)	(22)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	57	SM	CM	Ceramics
Shape	(16, 22)	(16)	(16, 22)	(1604, 22)

For details see pp. 70 - 76

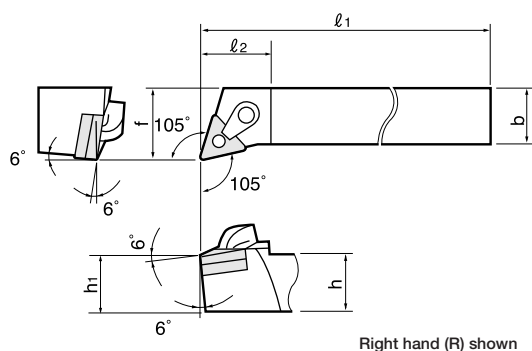
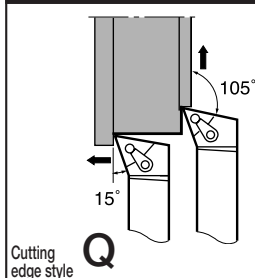
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	l1	l	h1	f	f1									
MTFNR/L1616H16			TN□□1604□□	0.8	16	16	100	24.5	16	20	18		MST-322	MLP34L	—	MCPM-20	MCS620-3	—	P-2F	P-3
MTFNR/L2020K16					20	20	125	24.5	20	25	18		(MST-332)		(MSP-5)	MCPM-21	MCS625-3	(CBT-3M)		
MTFNR/L2525M16					25	25	150	24.5	25	32	18									
MTFNR/L2020K16C			TN□□1607□□	0.8	20	20	125	28	20	25	18		MST-322	—	MCP-5	MCPM-21	MCS625-3	CBT-3M	(P-2F)	P-3
MTFNR/L2525M16C					25	25	150	28	25	32	18									
MTFNR/L2525M22			TN□□2204□□	0.8	25	25	150	32	25	32	24		MST-432	MLP46	—	MCPM-9	MCS828-4	—	P-2.5F	P-4
MTFNR/L3225P22					32	25	170	32	32	24	24				(MSP-6.3)			(CBT-4M)		
MTFNR/L3232P27			TN□□2706□□	1.2	32	32	170	31	32	40	30		MST-533	MLP58	—	MCPM-12	MCS828-4	—	P-3F	P-4
MTFNR/L4040R27					40	40	200	31	40	50	30									

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

M-type — Negative rake • Multi-clamp type

Profiling

MTQN R/L



● Basic-choice chipbreaker

Appl.	Precision finishing	Finishing	Medium cutting	Roughing
Type	TF	TS	TM	TH
Shape				
	(16)	(16)	(16, 22)	(22)

Appl.	Heavy cutting	Medium cutting	Medium cutting	
Type	57	SM	CM	Ceramics
Shape				
	(16, 22)	(16)	(16, 22)	(16, 22)

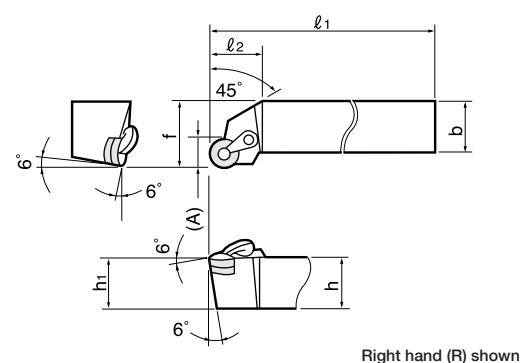
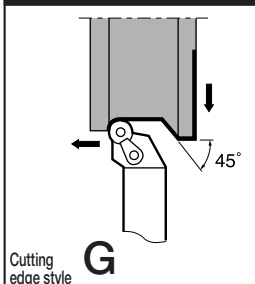
For details see pp. 70 - 76

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	ℓ ₁	ℓ	h ₁	f	f ₁								
MTQNR/L2020K16	△		TN□□1604□□	0.8	20	20	125	—	20	25	—								
MTQNR/L2525M16					25	25	150	—	25	32	—	MST-322	MLP34L	—	MCPM-21	MCS625-3	—	P-2F	P-3
MTQNR/L3225P16					32	25	170	—	32	32	—								
MTQNR/L2525M22			TN□□2204□□	0.8	25	25	150	—	25	32	—								
MTQNR/L3225P22	△				32	25	170	—	32	32	—	MST-432	MLP46	—	MCPM-9	MCS828-4	—	P-2.5F	P-4
MTQNR/L3232P22	△				32	32	170	—	32	40	—								

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Profiling

MRGN R/L



● Basic-choice chipbreaker

Appl.	Heavy cutting		
Type	61	Ceramics	
Shape			
	(12)	(1204, 07)	

Appl.			
Type			
Shape			

For details see p. 88

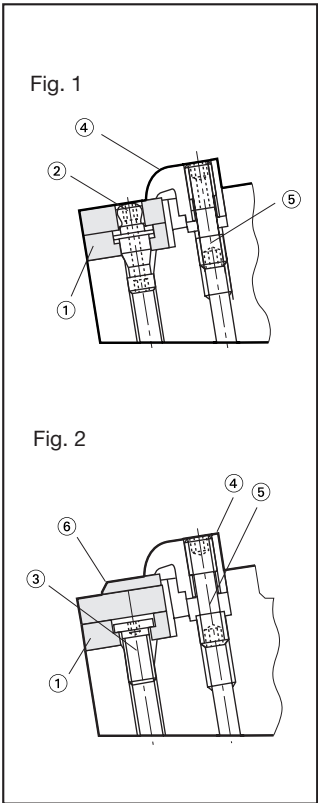
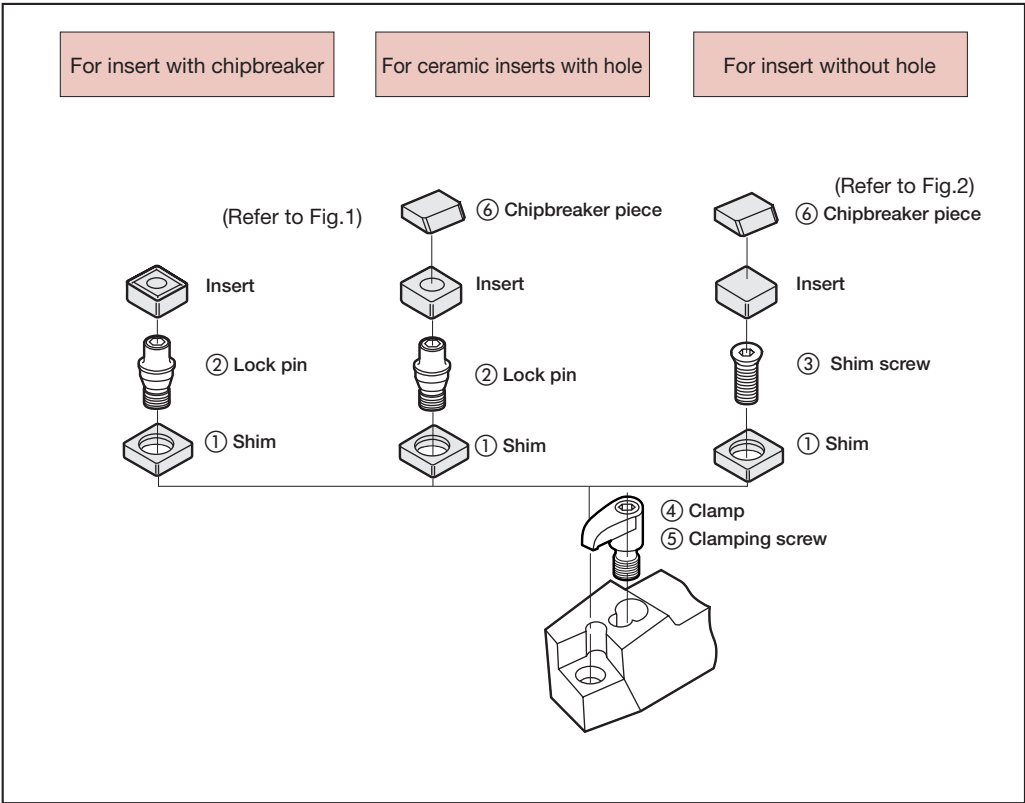
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Shim	Lock pin	Shim screw	Clamp	Clamping screw	Breaker piece	Lock pin wrench	Wrench
	R	L			h	b	ℓ ₁	ℓ	h ₁	f	f ₁								
MRGNR/L2020K12	●		RN□□1204□□	—	20	20	125	28	20	25	(12)	MSR-43	MLP46	— (MSP-6.3)	MCPM-21	MCS625-3	— (CBR-4MN)	P-2.5F	P-3
MRGNR/L2525M12					25	25	150	28	25	32	(12)								
MRGNR/L2020K12C			RN□□1207□□	—	20	20	125	28	20	25	(12)	MSR-43	—	MSP-6.3	MCPM-21	MCS625-3	CBR-4MN	P-2.5F	P-3
MRGNR/L2525M12C			(RN□□1206□□)		25	25	150	28	25	32	(12)	(MSR-44)	(MLP46L)						

Note : Parts in parenthesis are optional parts. For part assembly see p. 157.

Reference
guideParts for M-type
P. 157 ~ 159

■ Part combinations of M-type toolholder

The M-type toolholder can be used in several ways. You may purchase the optional parts separately according to the Parts List. When you use ceramic inserts, be sure to use the specified lock pin wrench and chipbreaker piece.



TAC Toolholder for External Turning

- For use of the inserts shown in the shaded cells, the optional parts shown in the shaded cells are needed. You may purchase them separately.

1) Used for 1616H16 2) Used for MSDNN 3) Used for MDJNR/L 4) Used for MVVNN

TAC Toolholder

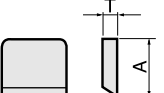
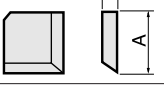
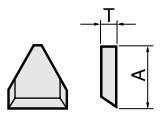
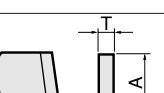
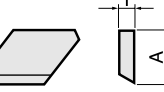
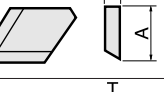
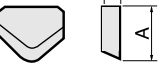
Toolholder Cat.No.		Insert		① Shim	② Lock pin	③ Shim screw	④ Clamp	⑤ Clamping screw	⑥ Chipbreaker piece	⑦ Lock pin wrench	⑧ Wrench
		Cat. No.	With or Without hole								
MSBNR/L MSDNN MSKNR/L MSSNR/L	2020K12 2525M12	SN□□1204□□		MSS-432	MLP46	—	MCPM-21	MCS625-3	CBS-4M ^{*2)} CBS-4MN	P-2.5F	P-3
		SN□□1204□□			—	MSP-6.3				(P-2.5F)	P-3
	2020K12C 2525M12C	SN□□1207□□		MSS-432	—	MSP-6.3	MCPM-21	MCS625-3	CBS-4M ^{*2)} CBS-4MN	P-2.5F	P-3
		SN□□1206□□		MSS-442	MLP46L	—					
MTFNR/L MTGNR/L MTJNR/L MTQNR/L MTENN	1616H16 2020K16 2525M16 3225P16	TN□□1604□□		MST-322	MLP34L	—	MCPM-20 MCPM-21	MCS620-3 MCS625-3	CBT-3M	P-2F	P-3
		TN□□1604□□			—	MSP-5					
		TN□□1603□□		MST-332	MLP34L	—	MCPM-20 MCPM-21	MCS620-3 MCS625-3	CBT-3M	P-2F	P-3
		TN□□1603□□			—	MSP-5					
	2020K16C 2525M16C	TN□□1607□□		MST-322	—	MSP-5	MCPM-21	MCS625-3	CBT-3M	(P-2F)	P-3
	2525M22 3225P22 3232P22	TN□□2204□□		MST-432	MLP46	—	MCPM-9	MCS828-4	CBT-4M	P-2.5F	P-4
		TN□□2204□□			—	MSP-6.3					
	2525M27 3225P27 4040R27	TN□□2706□□		MST-533	MLP58	—	MCPM-12	MCS828-4	—	P-3	P-4
	3232P33 4040R33	TN□□3307□□		MST-644	MLP68L	—	MCPM-30	MCS825-4	—	P-3	P-4
MCLNR/L	1616H12 2020K12 2525M12 3225P12	CN□□1204□□		MSC-432	MLP46	—	MCPM-21	MCS625-3	CBC-4MN	P-2.5F	P-3
		CN□□1204□□			—	MSP-6.3					
	2020K12C 2525 3225P12C	CN□□1207□□		MSC-432	—	MSP-6.3	MCPM-12	MCS625-3	CBC-4MN	P-2.5F	P-3
		CN□□1206□□		MSC-442	MLP46L	—					
	2525M16 3225P16 3232P16	CN□□1606□□		MSC-533	MLP58	—	MCPM-12	MCS828-4	—	P-3	P-4
		CN□□1604□□		MSC-543							
	3232P19 4040R19	CN□□1906□□		MSD-634	MLP68	—	MCPM-12	MCS828-4	—	P-4	P-4
MDJNR/L MDPNN MDQNR/L	1616H11	DN□□1104□□		MSD-322	MLP34L	—	MCPM-20	MCS620-3	—	P-2F	P-3
	2020K15 2525M15 3225P15 3232P15	DN□□1506□□		MSD-432	MLP46L	—	MCPM-22	MCS625-3	CBD-4MR/L ^{*3)} CBD-4MN	P-2.5F	P-3
		DN□□1504□□		MSD-442		—					
		DN□□1504□□		MSD-442	—	MSP-6.3					
	2020K15C 2525M15C 3225P15C 3232P15C	DN□□1507□□		MSD-432	—	MSP-6.3	MCPM-22	MCS625-3	CBD-4MR/L ^{*3)} CBD-4MN	P-2.5F	P-3
		DN□□1506□□		MSD-442	MLP46L	—					

Toolholder Cat. No.		Insert		① Shim	② Lock pin	③ Shim screw	④ Clamp	⑤ Clamping screw	⑥ Chipbreaker piece	⑦ Lock pin wrench	⑧ Wrench
		Cat. No.	With or Without hole								
MVJNR/L MVVNN MVQNR/L	2020K16 2525M16 3225P16 3232P16	VN□□1604□□		MSV-332	MLP34L	—	MCPM-22 *4) MCPM-30	MCS625-3 *4) MCS828-4	—	P-2F	P-3 *4) P-4
MRGNR/L	2020K12 2525M12	RN□□1204□□		MSR-43	MLP46	—	MCPM-21	MCS625-3	CBR-4MN	P-2.5F	P-3
		RN□□1204□□			—	MSP-6.3					
	2020K12C 2525M12C	RN□□1207□□		MSR-43	—	MSP-6.3	MCPM-21	MCS625-3	CBR-4MN	P-2.5F	P-3
		RN□□1206□□		MSR-44	MLP46L	—					
MWLNR/L	2020K08 2525M08 3225P08	WNM□□0804□□		MSW-432	MLP46	—	MCPM-6	MCS520-2.5	—	P-2.5	P-2.5
	2525M10 3225P10 3232P10 4040R10	WNM□□1006□□		MSW-533	MLP58	—	MCPM-21	MCS625-3	—	P-3	P-3
	3232P13 4040R13	WNM□□1306□□		MSW-633	MLP68	—	MCPM-12	MCS828-4	—	P-4	P-4

Note : The shims are made of Tungaloy grade D30, and the chipbreaker pieces are of TX30.

List of Chipbreaker Pieces

In addition to the standard chipbreaker pieces, optional chipbreaker pieces are available separately. You may purchase the proper piece that is suitable for your cutting condition.

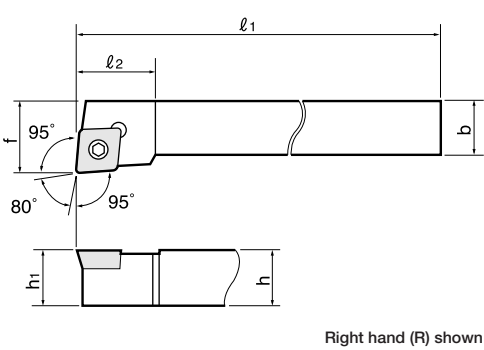
Shape	Chipbreaker piece Cat. No.	Inserts used	Dimensions (mm)		Chipbreaker width when assembled
			A	T	
	CBS-4S	 SN□□1204□□	11.6	2.5	1.5
	CBS-4M	 SN□□1207□□	10.6		2.5
	CBS-4L		9.1		4.0
	CBS-4SN	 SN□□1204□□	11.5	2.5	1.5
	CBS-4MN	 SN□□1207□□	10.5		2.5
	CBS-4LN		9.0		4.0
	CBT-3S	 TN□□1604□□	12.1	2.5	1.5
	CBT-3M	 TN□□1607□□	11.1		2.5
	CBT-3L		10.1		3.5
	CBT-4S	 TN□□2204□□	16.9	2.5	1.5
	CBT-4M		15.9		2.5
	CBT-4L		14.4		3.5
	CBC-4SN	 CN□□1204□□	11.5	2.5	1.5
	CBC-4MN	 CN□□1207□□	10.5		2.5
	CBC-4LN		9.5		3.5
	CBD-4SR/L	 DN□□1504□□	11.5	2.5	1.5
	CBD-4MR/L	 DN□□1506□□	10.5		2.5
	CBD-4LR/L	 DN□□1507□□	9.5		3.5
	CBD-4SN	 DN□□1506□□	11.5	2.5	1.5
	CBD-4MN		10.5		2.5
	CBD-4LN		9.5		3.5
	CBR-4SN	 RN□□1204□□	11.9	2.5	1.5
	CBR-4MN	 RN□□1206□□	10.9		2.5
		 RN□□1207□□			

S-type — Positive rake • Screw-on type

Turning•Facing

SCLC R/L

Cutting edge style **L**



● Basic-choice chipbreaker

Appl.	Finishing to medium cutting	Finishing	Finishing to medium cutting	Medium cutting
Type	W□□	PF	PS	PM
Shape	 (06, 09)	 (06, 09)	 (06, 09)	 (06, 09)

Appl.	Precision finishing	Finishing to medium cutting	Finishing to medium cutting	Aluminium
Type	PCBN/PCD	J□□	—	AL
Shape	 (06, 09)	 (06, 09)	 (06, 09)	 (06, 09, 12)

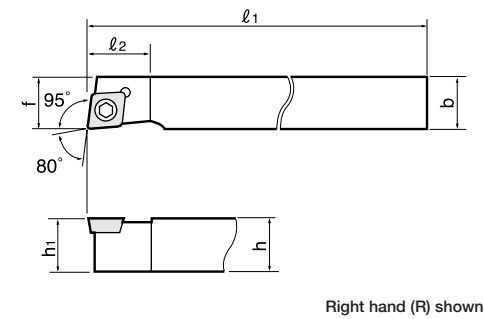
For details see pp. 92 - 95

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	ℓ1	ℓ2	h1	f	f1						
SCLCR/L1212H			CC□□0602□□	0.4	12	12	100	12	12	16	—		CSTB-2.5	T-8F	—	—	—
SCLCR/L1616H			CC□□09T3□□	0.8	16	16	100	16	16	20	—		CSTB-4	T-15F	—	—	—
SCLCR/L1616H09	●	●			16	16	100	16	16	20	—		CSTB-3.5L	T-15F	SSC32	DTS5-3.5	P-3.5
SCLCR/L2020K12	○	○	CC□□1204□□		20	20	125	20	20	25	—		CSTB-4F	T-15F	SSC4T3	DTS6-4	P-4

Turning•Facing

SCL2C R/L

Cutting edge style **L**



● Basic-choice chipbreaker

Appl.	Finishing to medium cutting	Finishing	Finishing to medium cutting	Medium cutting
Type	W□□	PF	PS	PM
Shape	 (06)	 (06)	 (06)	 (06)

Appl.	Precision finishing	Finishing to medium cutting	Finishing to medium cutting	Aluminium
Type	PCBN/PCD	J□□	—	AL
Shape	 (06)	 (06)	 (06)	 (06)

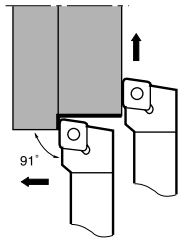
For details see pp. 92 - 95

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	ℓ1	ℓ2	h1	f	f1						
SCL2CR/L1010H			CC□□0602□□	0.4	10	10	100	12	10	10	—		CSTB-2.5	T-8F	—	—	—
SCL2CR/L1010K06					10	10	125	12	10	10	—						
SCL2CR/L1212H					12	12	100	12	12	12	—						
SCL2CR/L1212K06					12	12	125	12	12	12	—						

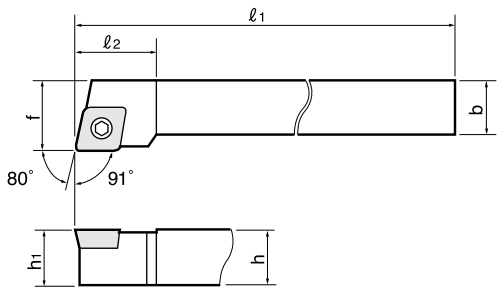
Note: Replaceable item JSCL2CR/L p. 272

Turning

SCGC R/L



Cutting edge style **G**



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Finishing to medium cutting	Finishing	Finishing to medium cutting	Medium cutting
Type	W□□	PF	PS	PM
Shape	 (06, 09)	 (06, 09)	 (06, 09)	 (06, 09)

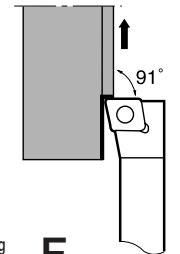
Appl.	Precision finishing	Finishing to medium cutting	Finishing to medium cutting	Aluminium
Type	PCBN/PCD	J□□	—	AL
Shape	 (06, 09)	 (06, 09)	 (06, 09)	 (06, 09)

For details see pp. 92 - 95

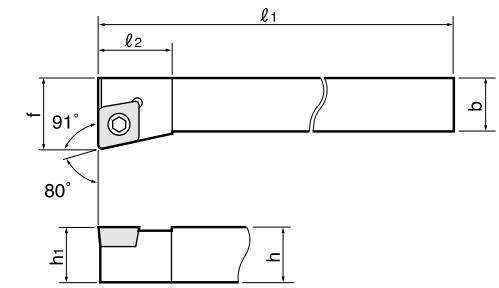
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	l1	l2	h1	f	f1						
SCGCR/L1212H			CC□□0602□□	0.4	12	12	100	12	12	16	—		CSTB-2.5	T-8F	—	—	—
SCGCR/L1616H			CC□□09T3□□	0.8	16	16	100	16	16	20	—		CSTB-4	T-15F	—	—	—

Facing

SCFC R/L



Cutting edge style **F**



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Finishing to medium cutting	Finishing	Finishing to medium cutting	Medium cutting
Type	W□□	PF	PS	PM
Shape	 (06, 09)	 (06, 09)	 (06, 09)	 (06, 09)

Appl.	Precision finishing	Finishing to medium cutting	Finishing to medium cutting	Aluminium
Type	PCBN/PCD	J□□	—	AL
Shape	 (06, 09)	 (06, 09)	 (06, 09)	 (06, 09)

For details see pp. 92 - 95

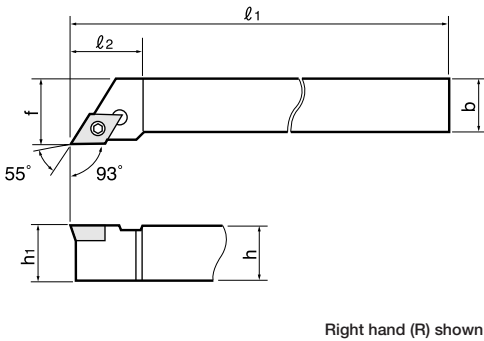
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	l1	l2	h1	f	f1						
SCFCR/L1212H			CC□□0602□□	0.4	12	12	100	16	12	16	—		CSTB-2.5	T-8F	—	—	—
SCFCR/L1616H			CC□□09T3□□	0.8	16	16	100	16	16	20	—		CSTB-4	T-15F	—	—	—

S-type — Positive rake • Screw-on type

Profiling

SDJC R/L

Cutting edge style **J**



● Basic-choice chipbreaker

Appl.	Finishing to medium cutting	Finishing	Finishing to medium cutting	Medium cutting
Type	W□□	PF	PS	PM
Shape	(07, 11)	(07, 11)	(07, 11)	(07, 11)

Appl.	Precision finishing	Finishing to medium cutting	Finishing to medium cutting	Aluminium
Type	PCBN/PCD	J□□	—	AL
Shape	(07, 11)	(07, 11)	(07, 11)	(07, 11)

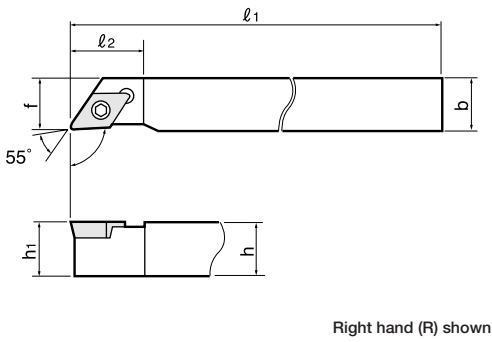
For details see pp. 98 - 101

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	l1	l2	h1	f	f1						
SDJCR/L1212H			DC□□0702□□	0.4	12	12	100	14	12	16	—		CSTB-2.5	T-8F	—	—	—
SDJCR/L1616H			DC□□11T3□□	0.8	16	16	100	18	16	20	—		CSTB-4	T-15F	—	—	—
SDJCR/L1616H11	●	●			16	16	100	20	16	20	—						
SDJCR/L2020K11	●	●			20	20	125	20.5	20	25	—		CSTB-3.5L	T-15F	SSD32	DTS5-3.5	P-3.5
SDJCR/L2525M11	●	●			25	25	150	21.5	25	32	—						

Profiling

SDJ2C R/L

Cutting edge style **J**



● Basic-choice chipbreaker

Appl.	Finishing to medium cutting	Finishing	Finishing to medium cutting	Medium cutting
Type	W□□	PF	PS	PM
Shape	(07)	(07)	(07)	(07)

Appl.	Precision finishing	Finishing to medium cutting	Finishing to medium cutting	Aluminium
Type	PCBN/PCD	J□□	—	AL
Shape	(07)	(07)	(07)	(07)

For details see pp. 98 - 101

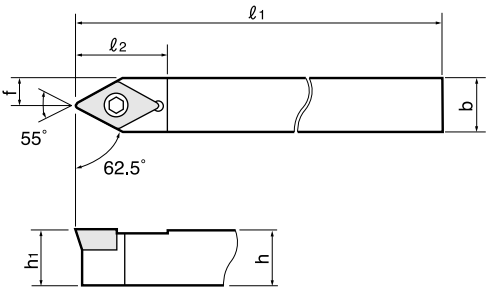
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	l1	l2	h1	f	f1						
SDJ2CR/L1010H			DC□□0702□□	0.4	10	10	100	14	10	10	—		CSTB-2.5	T-8F	—	—	—
SDJ2CR/L1010K07					10	10	125	14	10	10	—						
SDJ2CR/L1212H					12	12	100	14	12	12	—						
SDJ2CR/L1212K07					12	12	125	14	12	12	—						

Replaceable item JSDJ2CR/L p. 272

Profiling

SDNCN

Cutting edge style **N**



● Basic-choice chipbreaker

Appl.	Finishing to medium cutting	Finishing	Finishing to medium cutting	Medium cutting
Type	W□□	PF	PS	PM
Shape				
	(07, 11)	(07, 11)	(07, 11)	(07, 11)

Appl.	Precision finishing	Finishing to medium cutting	Finishing to medium cutting	Aluminium
Type	PCBN/PCD	J□□	—	AL
Shape				
	(07, 11)	(07, 11)	(07, 11)	(07, 11)

For details see pp. 98 - 101

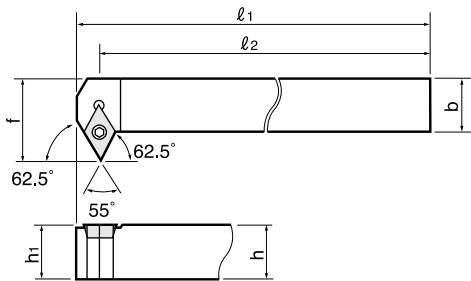
Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
				h	b	l1	l2	h1	f	f1						
SDNCN1010H		DC□□0702□□	0.4	10	10	100	14	10	5	—		CSTB-2.5	T-8F	—	—	—
SDNCN1010K07				10	10	125	14	10	5	—						
SDNCN1212H				12	12	100	14	12	6	—						
SDNCN1212K07				12	12	125	14	12	6	—						
SDNCN1616H		DC□□11T3□□	0.8	16	16	100	21	16	8	—		CSTB-4	T-15F	—	—	—
SDNCN1616H11	○			16	16	100	21	16	8	—						
SDNCN2020K11	○			20	20	125	21	20	10	—		CSTB-3.5L	T-15F	SSD32	DTS5-3.5	P-3.5
SDNCN2525M11	○			25	25	150	21	25	12.5	—						

Replaceable item JSDNCN p. 273

Profiling

SDN3C R/L

Cutting edge style **N**



Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Finishing to medium cutting	Finishing	Finishing to medium cutting	Medium cutting
Type	W□□	PF	PS	PM
Shape				
	(07, 11)	(07, 11)	(07, 11)	(07, 11)

Appl.	Precision finishing	Finishing to medium cutting	Finishing to medium cutting	Aluminium
Type	PCBN/PCD	J□□	—	AL
Shape				
	(07, 11)	(07, 11)	(07, 11)	(07, 11)

For details see pp. 98 - 101

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	l1	l2	h1	f	f1						
SDN3CR/L1212H			DC□□0702□□	0.4	12	12	100	105	12	18	—		CSTB-2.5	T-8F	—	—	—
SDN3CR/L1616H			DC□□11T3□□	0.8	16	16	100	107	16	25	—		CSTB-4	T-15F	—	—	—

S-type — Positive rake • Screw-on type

Profiling

SVJC R/L

Cutting edge style **J**

Right hand (R) shown

● Basic-choice chipbreaker

Appl.	Finishing to medium cutting	Medium cutting	Aluminium	Finishing
Type	PS	24	AL	PF
Shape	(16)	(16)	(16)	(16)

For details see p. 121

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	l ₁	l ₂	h ₁	f	f ₁						
SVJCR/L 1616H16	●	●	VC□□1604□□	0.8	16	16	100	40	16	20	—		CSTB-3.5L	T-15F	SSV32	DTS5-3.5	P-3.5
SVJCR/L 2020K16	●	●			20	20	125	40	20	25	—						
SVJCR/L 2525M16	●	●			25	25	150	40	25	32	—						
SVJCR/L 3225P16					32	25	170	40	32	32	—						

Profiling

SVVCN

Cutting edge style **V**

Right hand (R) shown

● Basic-choice chipbreaker

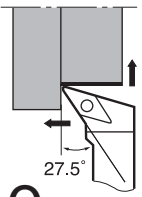
Appl.	Finishing to medium cutting	Medium cutting	Aluminium	Finishing
Type	PS	24	AL	PF
Shape	(16)	(16)	(16)	(16)

For details see p. 121

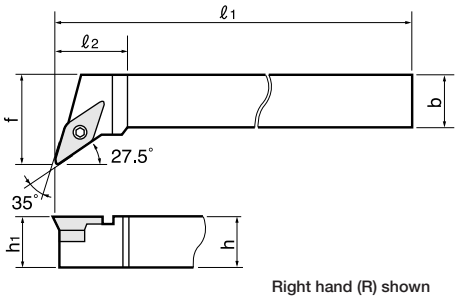
Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
				h	b	l ₁	l ₂	h ₁	f	f ₁						
SVVCN 2020K16	●	VC□□1604□□	0.8	20	20	125	—	20	10	—		CSTB-3.5L	T-15F	SSV32	DTS5-3.5	P-3.5
SVVCN 2525M16	●			25	25	150	—	25	12.5	—						
SVVCN 3225P16				32	25	170	—	32	12.5	—						

Profiling

SVQC R/L



Cutting edge style **Q**



● Basic-choice chipbreaker

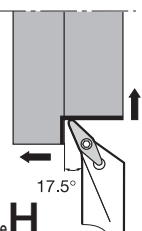
Appl.	Finishing to medium cutting	Medium cutting	Aluminium	Finishing
Type	PS	24	AL	PF
Shape	 (16)	 (16)	 (16)	 (16)

For details see p. 121

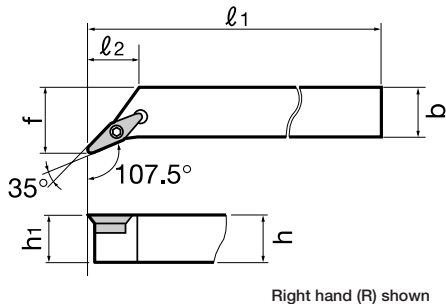
Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁					
SVQCR/L 2020K16	○	○			20	20	125	35	20	27	—					
SVQCR/L 2525M16	○	○	VC□□1604□□	0.8	25	25	150	35	25	32	—	CSTB-3.5L	T-15F	SSV32	DTS5-3.5	P-3.5
SVQCR/L 3225P16					32	25	170	35	32	32	—					

Profiling

SVHC R/L



Cutting edge style **H**



● Basic-choice chipbreaker

Appl.	Aluminium			
Type	AL			
Shape	 (22)			

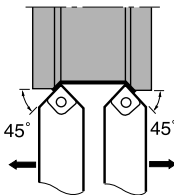
For details see p. 121

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	ℓ1	ℓ2	h1	f	f1						
SVHCR/L 2525M22	●	●	VCG□2205□□	0.8	25	25	150	33.8	25	32	—	CSTB-4.5L110P	T-15F	SSV42	DTS6-4.5	P-4.5	

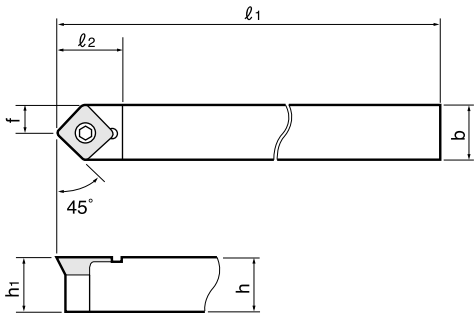
S-type — Positive rake • Screw-on type

Turning • Chamfering

SSDCN



Cutting edge style **D**



● Basic-choice chipbreaker

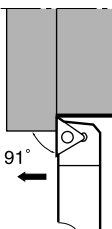
Appl.	Finishing	Finishing to medium cutting	Medium cutting	Finishing to medium cutting
Type	PF	PS	PM	24
Shape	 (09)	 (09)	 (09)	 (07)

For details see p. 102

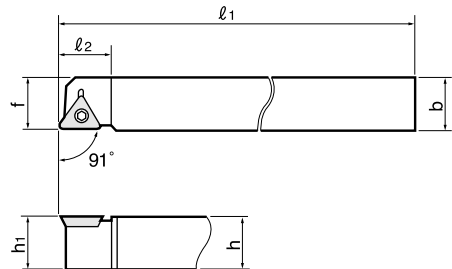
Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
				h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁						
SSDCN 1010H07 SSDCN 1010K07	●	SC□□0702□□	0.4	10	10	100	12	10	5	—		CSTB-3	T-9F	—	—	—
SSDCN 1212H09 SSDCN 1212K09 SSDCN 1616H09	● ● ●	SC□□09T3□□	0.8	12	12	100	12	12	6	—		CSTB-4	T-15F	—	—	—
				16	16	100	15	16	8	—		CSTB-3.5L	T-15F	SSS-32	DTS5-3.5	P-3.5

Turning

STAC R/L
STAP R/L



Cutting edge style **A**



Right hand (R) shown

● Basic-choice chipbreaker

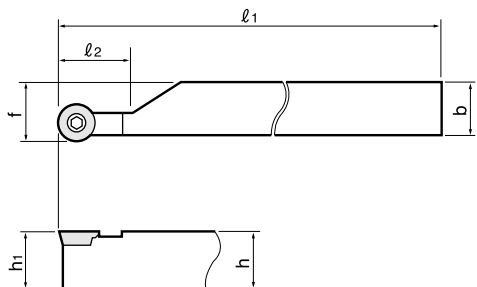
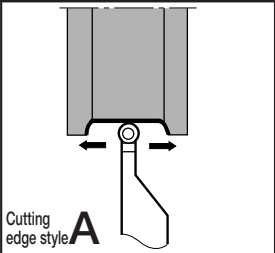
Appl.	Precision Finishing	Finishing to medium cutting	Medium cutting	Precision Finishing
Type	01	PS	PM	J□□
Shape	 (09, 11, 16)	 (11, 16)	 (11, 16)	 (1102)

Appl.	Aluminium			
Type	AL			
Shape	 (11, 16)			

For details see pp. 108- 109

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁						
STACR/L 0808H STACR/L 1010H STACR/L 1212H			TC□□0801□□	0.2	8	8	100	105	8	8	—		CSTB-2.2	T-7F	—	—	—
STACR/L 0808H09 STACR/L 0808K09 STACR/L 1010H09 STACR/L 1010K09	● ● ●	●	TC□□0902□□		10	10	100	105	10	10	—						
					12	12	100	105	12	12	—						
					8	8	100	105	8	8	—						
STACR/L 1212H11 STACR/L 1212K11	● ●	●	TC□□1102□□	0.4	12	12	100	105	12	12	—		CSTB-2.5	T-8F	—	—	—
STACR/L 1616H16	●		TC□□16T3□□	0.8	16	16	100	225	16	16	—		CSTB-3.5L	T-15F	SST32	DTS5-3.5	P-3.5
STAPR/L 1616H			TPGA/M1103□□	0.4	16	16	100	13	16	16	—		CSTA-N02L	T-8F	—	—	—

SRAC R/L



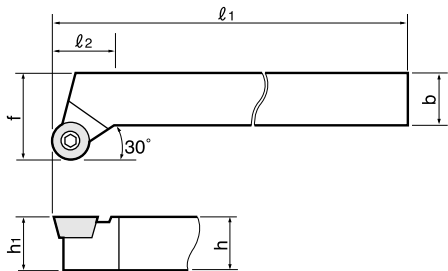
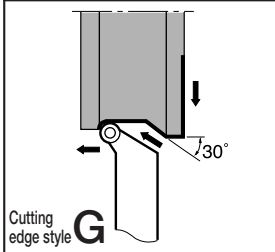
Right hand (R) shown

Appl.	Heavy cutting	Aluminium		
Type	61	AL		
Shape	 (05, 06, 08)	 (06, 08)		

For details see p. 122

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)							Clamping screw	Wrench	Shim	Shim screw	Wrench
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁					
SRACR/L 1010H05			RCMT0502M0-61	2.5	10	10	100	10	10	10.3	—	CSTB-2.2R	T-7F	—	—	—
SRACR/L 1212H05					12	12	100	10	12	12.3	—					
SRACR/L 1616H05					16	16	100	10	16	16.3	—					
SRACR/L 2020K05					20	20	125	10	20	20.3	—					
SRACR/L 2525M05					25	25	150	10	25	25.3	—					
SRACR/L 1212H06			RC□T0602M0□□	3.0	12	12	100	12	12	12.4	—	CSTB-2.5	T-8F	—	—	—
SRACR/L 1616H06					16	16	100	12	16	16.4	—					
SRACR/L 2020K06					20	20	125	12	20	20.4	—					
SRACR/L 2525M06					25	25	150	12	25	25.4	—					
SRACR/L 1616H08			RC□T0803M0□□	4.0	16	16	100	16	16	16.5	—	CSTB-3	T-9F	—		—
SRACR/L 2020K08					20	20	125	16	20	20.5	—					
SRACR/L 2525M08					25	25	150	16	25	25.5	—					

SRGC R/L



Right hand (R) shown

Appl.	Heavy cutting	Aluminium		
Type	61	AL		
Shape				
	(05, 06, 08)	(06, 08, 10)		

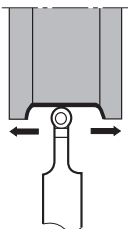
For details see p. 122

Cat. No.	Stock		Insert	Std. Corner R	Dimensions (mm)											
	R	L			h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁					
SRGCR/L 1212H05 SRGCR/L 1616H05 SRGCR/L 2020K05 SRGCR/L 2525M05	●		RCMT0502M0-61	—	12	12	100	8	12	16	—	CSTB-2.2R	T-7F	—	—	—
16					16	100	8	16	20	—						
20					20	125	8	20	25	—						
25					25	150	8	25	32	—						
SRGCR/L 1212H06 SRGCR/L 1616H06 SRGCR/L 2020K06 SRGCR/L 2525M06	●	●	RC□T0602M0□□	—	12	12	100	10	12	16	—	CSTB-2.5	T-8F	—	—	—
16					16	100	10	16	20	—						
20					20	125	10	20	24	—						
25					25	150	10	25	29	—						
SRGCR/L 1616H08 SRGCR/L 2020K08 SRGCR/L 2525M08	●	●	RC□T0803M0□□	—	16	16	100	145	16	22	—	CSTB-3	T-7F	—	—	—
20					20	125	145	20	26	—						
25					25	150	145	25	31	—						
SRGCR/L 2020K10 SRGCR/L 2525M10			RC□T1003M0□□	—	20	20	120	135	25	25	—	CSTB-3.5L	T-15F	SSR32	DTS5-3.5	P-3.5
25					25	150	170	25	32	—						

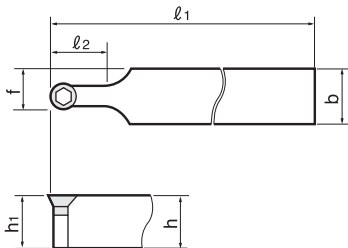
S-type — Positive rake • Screw-on type

Profiling

SRDCN



Cutting edge style **D**



● Basic-choice chipbreaker

Appl.	Heavy cutting	Aluminium		
Type	61	AL		
Shape	 (06, 08)	 (06, 08)		

For details see p. 122

Cat. No.	Stock	Insert	Std. Corner R	Dimensions (mm)								Clamping screw	Wrench	Shim	Shim screw	Wrench
				h	b	ℓ ₁	ℓ ₂	h ₁	f	f ₁						
SRDCN 2020K06	●	RC□T0602M0□□	3.0	20	20	125	12	20	13	—		CSTB-2.5	T-8F	-	-	-
SRDCN 2525M06	●			25	25	150	12	25	15.5	—						
SRDCN 2020K08	●	RC□T0803M0□□	4.0	20	20	125	16	20	14	—		CSTB-3	T-9F	-	-	-
SRDCN 2525M08	●			25	25	150	16	25	16.5	—						

● Part assembly

