

EXTERNAL TOOLHOLDER



Multi-clamp Toolholder ----- P39-P44



Screw-on Clamp Toolholder ----- P45-P50

INTERNAL TOOLHOLDER



Multi-clamp Toolholder ----- P51-P52



Screw-on Clamp Toolholder ----- P53-P58



Steel Boring Bar with Coolant Hole --- P59-P65

THREADING



Thread Insert & Toolholder ----- P66-P70

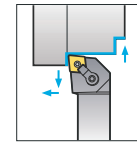
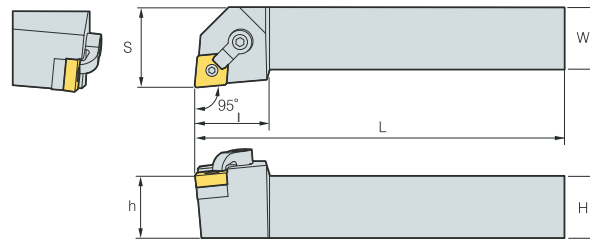


Thread Insert & Toolholder for Oil Pipe P71-P79

MCLNR/L



CN □□



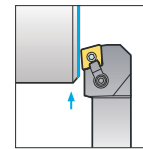
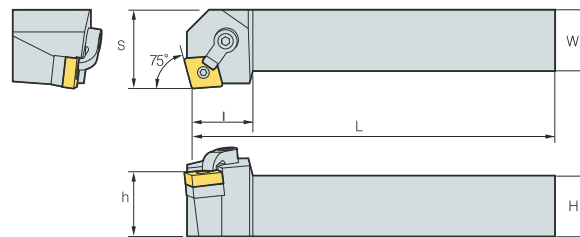
95°
R type insert

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MCLNR/L1616H12	16	16	100	20	16	25	CN..1204..	CTM617	MC1204	L2.5&L3	ML0625	HL1814
MCLNR/L2020K12	20	20	125	25	20	32						
MCLNR/L2525M12	25	25	150	32	25	32						
MCLNR/L3232P12	32	32	170	40	32	32						

MCKNR/L



CN □□



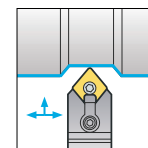
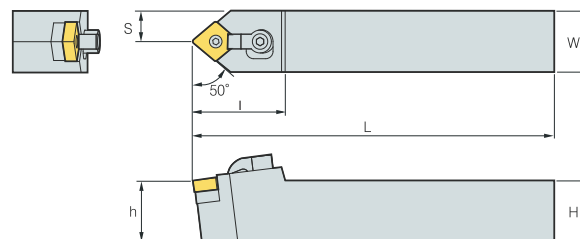
75°
R type insert

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MCKNR/L1616H12	16	16	100	20	16	25	CN..1204..	CTM617	MC1204	L2.5&L3	ML0625	HL1814
MCKNR/L2020K12	20	20	125	25	20	32						
MCKNR/L2525M12	25	25	150	32	25	32						
MCKNR/L3232P12	32	32	170	40	32	32						

MCMNN



CN □□



50°
R type insert

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MCMNN1616H12	16	16	100	8	16	25	CN..1204..	CTM617	MC1204	L2.5&L3	ML0625	HL1814
MCMNN2020K12	20	20	125	10	20	32						
MCMNN2525M12	25	25	150	12.5	25	32						
MCMNN3232P12	32	32	170	16	32	32						

Insert

External Toolholder

Internal Toolholder

Threading

Parting, Grooving

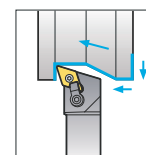
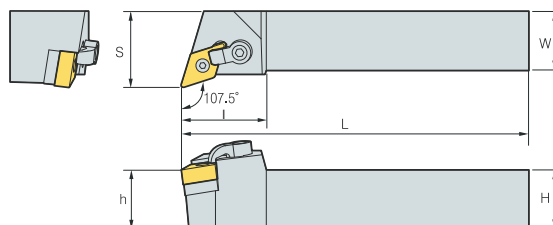
Miniature Tool

Insert
 External Toolholder
 Internal Toolholder
 Threading
 Parting, Grooving
 Miniature Tool

MDQNR/L



DN □□



107.5°
R type insert

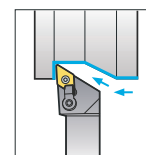
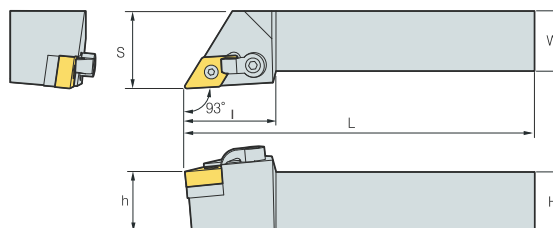
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MDQNR/L1616H11	16	16	100	20	16	28	DN..1104..	CTM513	MD1103	L2&L3		HL1814
MDQNR/L2020K11	20	20	125	25	20	32						
MDQNR/L2525M11	25	25	150	32	25	36						
MDQNR/L1616H15	16	16	100	20	16	28	DN..1504.. DN..1506..	CTM619	MD1506 MD1504	L2.5&L3	MI0625	HL2114
MDQNR/L2020K15	20	20	125	25	20	32						
MDQNR/L2525M15	25	25	150	32	25	36						
MDQNR/L3232P15	32	32	170	40	32	40						

MDJNR/L



DN □□



93°
R type insert

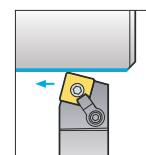
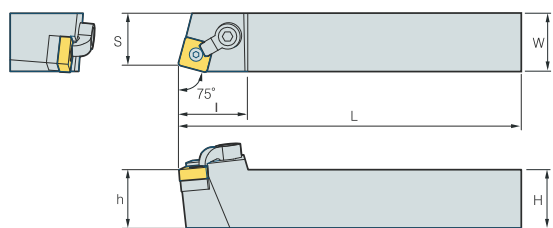
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MDJNR/L1616H11	16	16	100	20	16	28	DN..1104..	CTM513	MD1103	L2&L3		HL1814
MDJNR/L2020K11	20	20	125	25	20	32						
MDJNR/L2525M11	25	25	150	32	25	36						
MDJNR/L1616H15	16	16	100	20	16	28	DN..1504.. DN..1506..	CTM619	MD1506 MD1504	L2.5&L3	ML0625	HL2114
MDJNR/L2020K15	20	20	125	25	20	32						
MDJNR/L2525M15	25	25	150	32	25	36						
MDJNR/L3232P15	32	32	170	40	32	40						

MSBNR/L



SN □□



75°
R type insert

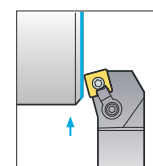
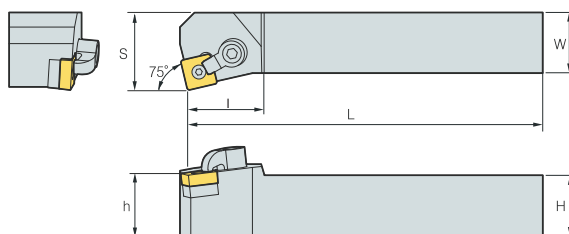
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MSBNR/L1616H12	16	16	100	14	16	28	SN..1204..	CTM617	MS1204	L2.5&L3	ML0625	HL1814
MSBNR/L2020K12	20	20	125	17	20	32						
MSBNR/L2525M12	25	25	150	22	25	32						
MSBNR/L3232P12	32	32	170	27	32	32						

MSKNR/L



SN □□



75°
R type insert

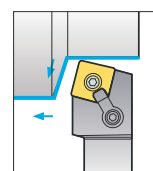
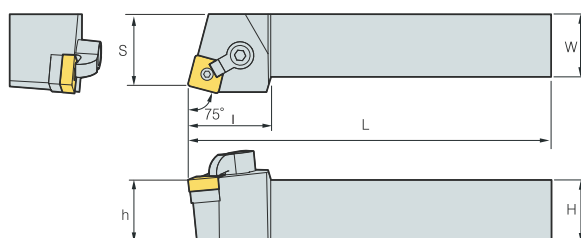
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MSKNR/L1616H12	16	16	100	20	16	28	SN..1204..	CTM617	MS1204	L2.5&L3	ML0625	HL1814
MSKNR/L2020K12	20	20	125	25	20	32						
MSKNR/L2525M12	25	25	150	32	25	32						
MSKNR/L3232P12	32	32	170	40	32	32						

MSRNR/L



SN □□



75°
R type insert

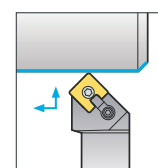
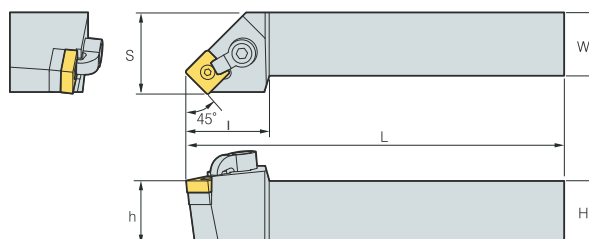
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MSRNR/L1616H12	16	16	100	17	16	28	SN..1204..	CTM617	MS1204	L2.5&L3	ML0625	HL1814
MSRNR/L2020K12	20	20	125	22	20	32						
MSRNR/L2525M12	25	25	150	27	25	32						
MSRNR/L3232P12	32	32	170	35	32	40						

MSSNR/L



SN □□



45°
R type insert

(mm)

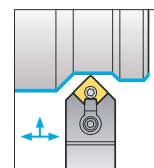
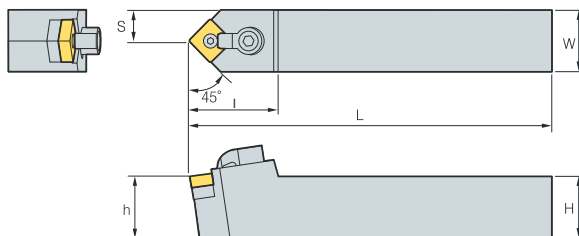
Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MSSNR/L1616H12	16	16	100	20	16	28	SN..1204..	CTM617	MS1204	L2.5&L3	ML0625	HL1814
MSSNR/L2020K12	20	20	125	25	25	28						
MSSNR/L2525M12	25	25	150	32	25	32						
MSSNR/L3232P12	32	32	170	40	32	35						

Insert
External Toolholder
Internal Toolholder
Threading
Parting, Grooving
Miniature Tool

MSDNN



SN □□



45°
R type insert

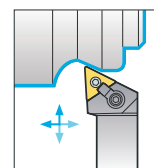
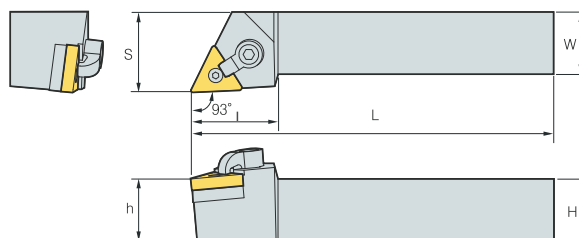
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	I						
MSDNN1616H12	16	16	100	8	16	28	SN..1204..	CTM617	MS1204	L2.5&L3	ML0625	HL1814
MSDNN2020K12	20	20	125	10	20	28						
MSDNN2525M12	25	25	150	12.5	25	32						
MSDNN3232P12	32	32	170	16	32	35						

MTJNR/L



TN □□



93°
R type insert

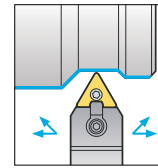
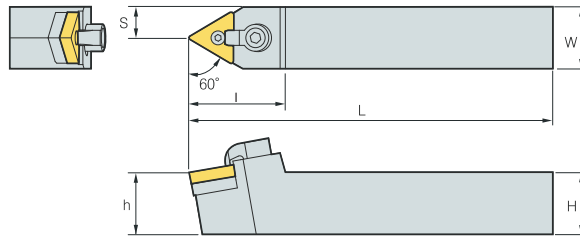
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	I						
MTJNR/L1616H16	16	16	100	20	16	28	TN..1604..	CTM513	MT1603	L2&L3	ML0625	HL1814
MTJNR/L2020K16	20	20	125	25	20	32						
MTJNR/L2525M16	25	25	150	32	25	32						
MTJNR/L3232P16	32	32	170	40	32	35						

MTENN



TN □□



60°

R type insert

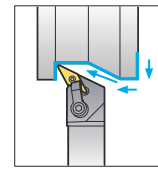
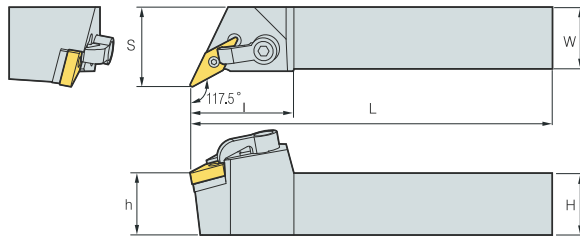
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MTENN1616H16	16	16	100	8	16	28	TN..1604..	CTM513	MT1603	L2&L3	ML0625	HL1814
MTENN2020K16	20	20	125	10	20	32						
MTENN2525M16	25	25	150	12.5	25	32						
MTENN3232P16	32	32	170	16	32	35						

MVQNR/L



VN □□



117.5°

R type insert

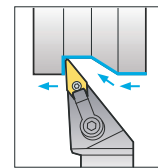
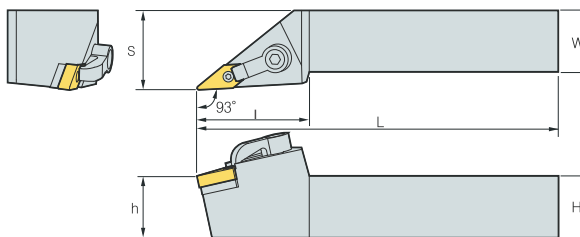
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MVQNR/L1616H16	16	16	100	20	16	20	VN..1604..	CTM513	MV1603	L2&L3	ML0625	HI2114
MVQNR/L2020K16	20	20	125	25	20	25						
MVQNR/L2525M16	25	25	150	32	25	32						
MVQNR/L3232P16	32	32	170	40	32	40						

MVJNR/L



VN □□



93°

R type insert

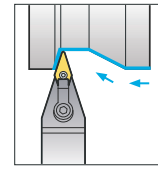
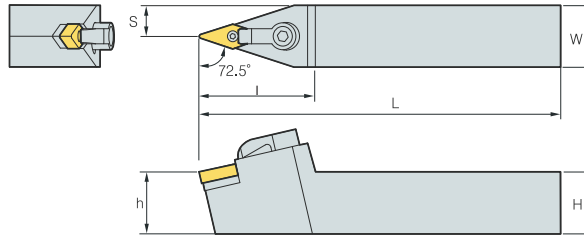
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	l						
MVJNR/L1616H16	16	16	100	20	16	32	VN..1604..	CTM513	MV1603	L2&L3	ML0625	HL2414
MVJNR/L2020K16	20	20	125	25	20	37						
MVJNR/L2525M16	25	25	150	32	25	37						
MVJNR/L3232P16	32	32	170	40	32	37						

MVVNN



VN □□



72.5°
R type insert

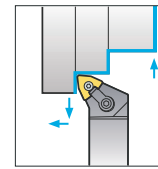
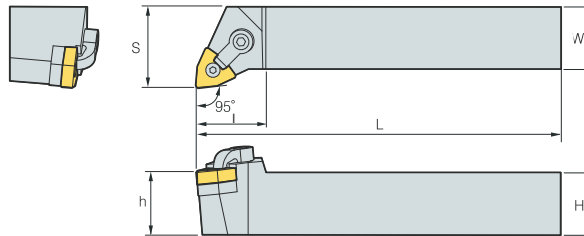
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	I						
MVVNN1616H16	16	16	100	8	16	40	VN..1604..	CTM513	MT1603	L2&L3	ML0625	HL2114
MVVNN2020K16	20	20	125	10	20	42						
MVVNN2525M16	25	25	150	12.5	25	42						
MVVNN3232P16	32	32	170	16	32	42						

MWLNR/L



WN □□



95°
R type insert

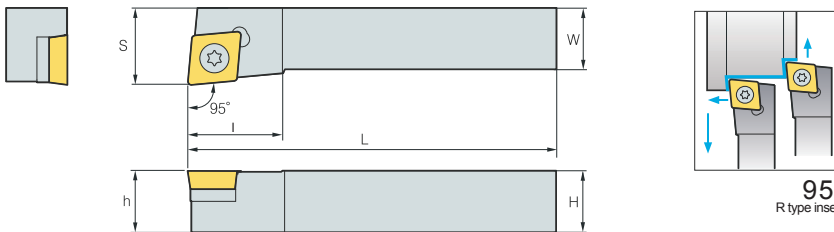
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	H	W	L	S	h	I						
MWLNR/L1616H06	16	16	100	20	16	32	WN..0604..	CTM513	MW0603	L2&L3	ML0625	HL1814
MWLNR/L2020K06	20	20	125	25	20	32						
MWLNR/L2525M06	25	25	150	32	25	32						
MWLNR/L1616H08	16	16	100	20	16	32	WN..0804..	CTM617	MW0804	L2.5&L3		
MWLNR/L2020K08	20	20	125	25	20	32						
MWLNR/L2525M08	25	25	150	32	25	32						
MWLNR/L3232P08	32	32	170	40	32	32						

SCLCR/L



CC □□



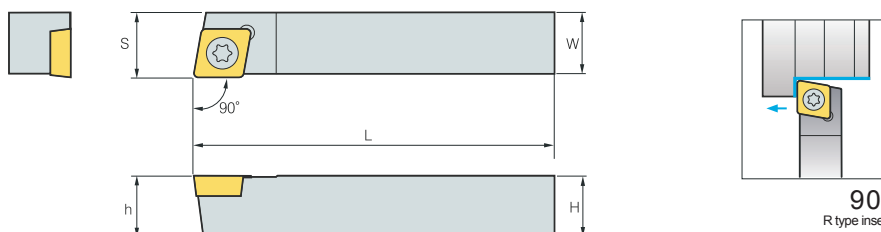
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SCLCR/L0808H06	8	8	100	10	8	10	CC..0602..	T8	ST2506
SCLCR/L1010F06	10	10	80	16	10	10			
SCLCR/L1212H09	12	12	100	20	12	16	CC..09T3..	T15	ST3509
SCLCR/L1616H09	16	16	100	20	16	16			
SCLCR/L2020K09	20	20	125	25	20	16			
SCLCR/L2525M09	25	25	150	32	25	25	CC..1204..	T20	ST5012
SCLCR/L2020K12	20	20	125	25	20	25			
SCLCR/L2525M12	25	25	150	32	25	26			
SCLCR/L3232P12	32	32	170	40	32	30			

SCACR/L



CC □□



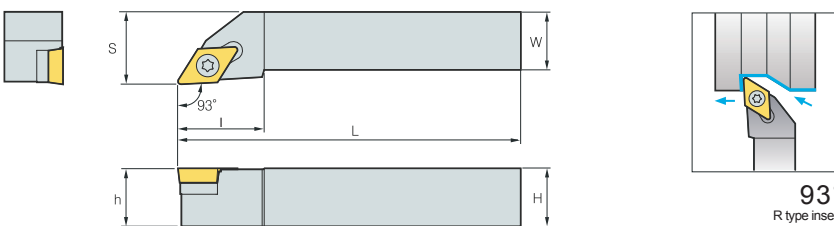
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SCACR/L0808F06	8	8	80	8.5	8	-	CC..0602..	T8	ST2506
SCACR/L1010H06	10	10	100	10.5	10	-			
SCACR/L1212H06	12	12	100	12.5	12	-	CC..09T3..	T15	ST3509
SCACR/L1212H09	12	12	100	12.5	12	-			
SCACR/L1616H09	16	16	100	16.5	16	-			

SDJCR/L



DC □□



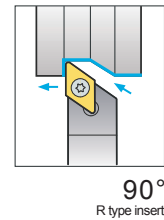
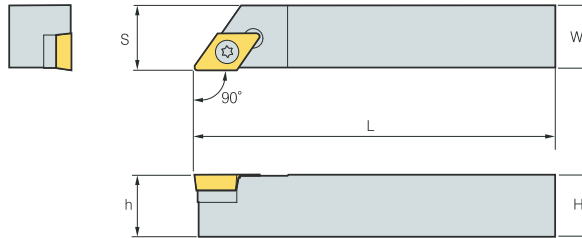
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SDJCR/L0808H07	8	8	100	10	8	15	DC..0702..	T8	ST2508
SDJCR/L1010F07	10	10	80	12	10	15			
SDJCR/L1212F07	12	12	80	16	12	15			
SDJCR/L1616H07	16	16	100	20	16	18	DC..11T3..	T15	ST3509
SDJCR/L1212F11	12	12	80	16	12	15			
SDJCR/L1616H11	16	16	100	20	16	18			
SDJCR/L2020K11	20	20	125	25	20	24			
SDJCR/L2525M11	25	25	150	32	25	29			
SDJCR/L3232P11	32	32	170	40	32	40			

Insert
External Toolholder
Internal Toolholder
Threading
Parting, Grooving
Miniature Tool

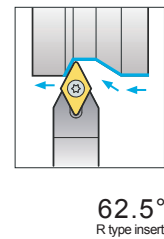
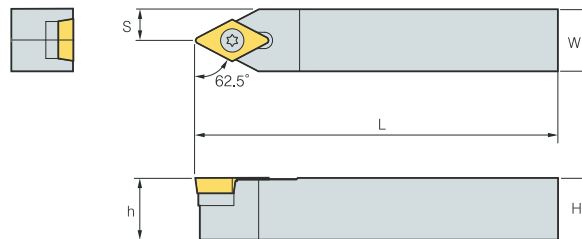
Insert
External Toolholder
Internal Toolholder
Theracing
Parting , Grooving
Miniature Tool

SDACR/L



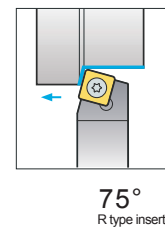
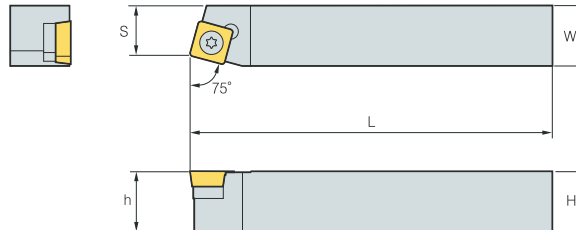
Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SDACR/L0808F07	8	8	80	8.5	8	-	DC..0702..	T8	ST2508
SDACR/L1010F07	10	10	80	10.5	10	-			
SDACR/L1212F07	12	12	80	12.5	12	-			
SDACR/L1212H11	12	12	100	12.5	12	-	DC..11T3..	T15	ST3509
SDACR/L1616H11	16	16	100	16.5	16	-			
SDACR/L2020K11	20	20	125	20.5	20	-			
SDACR/L2525M11	25	25	150	25.5	25	-			

SDNCN



Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SDNCN0808F07	8	8	80	4	8	-	DC..0702..	T8	ST2508
SDNCN1010F07	10	10	80	5	10	-			
SDNCN1212F07	12	12	80	6	12	-			
SDNCN1212H11	12	12	100	6	12	-	DC..11T3..	T15	ST3509
SDNCN1616H11	16	16	100	8	16	-			
SDNCN2020K11	20	20	125	10	20	-			

SSBCR/L

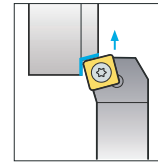
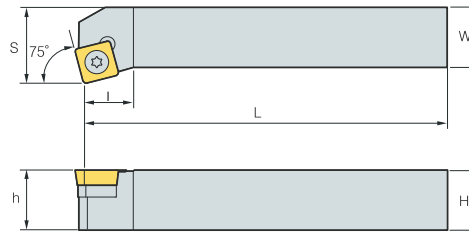


Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SSBCR/L1212F09	12	12	80	11	12	-	SC..09T3..	T15	ST3509
SSBCR/L1616H09	16	16	100	13	16	-			
SSBCR/L2020K09	20	20	125	17	20	-			
SSBCR/L2525M09	25	25	150	22	25	-			
SSBCR/L2020K12	20	20	125	17	20	-	SC..1204..	T20	ST5012

SSKCR/L



SC □□



75°
R type insert

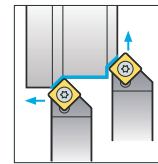
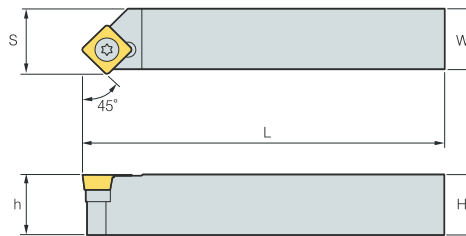
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SSKCR/L1616H09	16	16	100	20	16	13	SC..09T3..	T15	ST3509
SSKCR/L2020K09	20	20	125	25	20	16			

SSSCR/L



SC □□



45°
R type insert

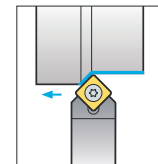
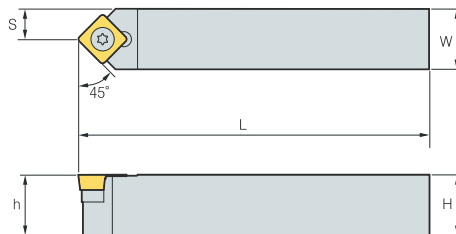
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SSSCR/L1616H09	16	16	100	17	16	-	SC..09T3..	T15	ST3509
SSSCR/L2020K09	20	20	125	21	20	-			
SSSCR/L2525M12	25	25	150	26	20	-	SC..1204..	T20	ST5012

SSDCN



SC □□



45°
R type insert

(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SSDCN1212F09	12	12	80	6	12	-	SC..09T3..	T15	ST3509
SSDCN1616H09	16	16	100	8	16	-			
SSDCN2020K09	20	20	125	10	20	-			

Insert

External Toolholder

Internal Toolholder

Threading

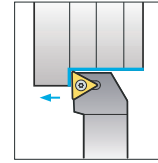
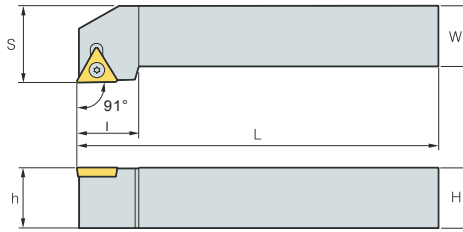
Parting, Grooving

Miniature Tool

STGCR/L



TC □□



91°
R type insert

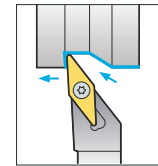
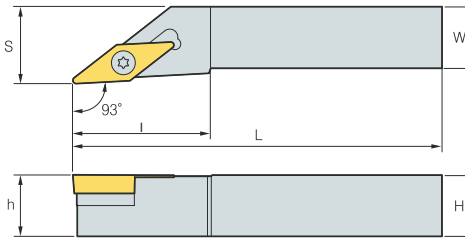
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	I			
STGCR/L0808H09	8	8	100	10	8	9	TC..0902..	T8	ST2508
STGCR/L1010H09	10	10	100	12	10	12			
STGCR/L1212H11	12	12	100	16	12	14			
STGCR/L1616H11	16	16	100	20	16	20	TC..1102..	T8	ST2508
STGCR/L2020K16	20	20	125	25	20	25			
STGCR/L2525M16	25	25	150	32	25	27	TC..16T3..	T15	ST3509
STGCR/L3232P16	32	32	175	40	32	32			

SVJBR/L



VB □□



93°
R type insert

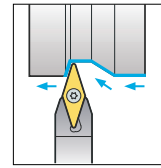
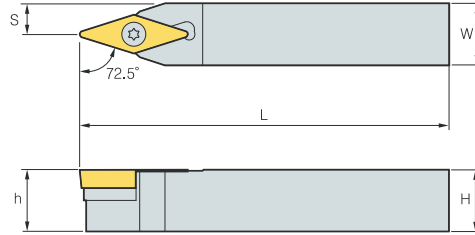
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	I			
SVJBR/L1010H11	10	10	100	14	10	20	VB..1103..	T8	ST2508
SVJBR/L1212F11	12	12	80	16	12	25			
SVJBR/L1616H11	16	16	100	20	16	32			
SVJBR/L2020K11	20	20	125	25	20	32			
SVJBR/L2525M11	25	25	150	32	25	40			
SVJBR/L1616H16	16	16	100	20	16	32	VB..1604..	T15	ST3509
SVJBR/L2020K16	20	20	125	25	20	32			
SVJBR/L2525M16	25	25	150	32	25	40			
SVJBR/L3232P16	32	32	170	40	32	40			

SVVBN



VB □□



72.5°
R type insert

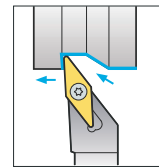
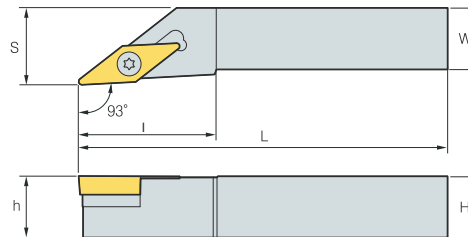
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SVVBN1212F11	12	12	80	6	12	-	VB..1103..	T8	ST2508
SVVBN1616H11	16	16	100	8	16	-			
SVVBN2020K11	20	20	125	10	20	-			
SVVBN2525M11	25	25	150	12.5	25	-			
SVVBN1616H16	16	16	100	8	16	-	VB..1604..	T15	ST3509
SVVBN2020K16	20	20	125	10	20	-			
SVVBN2525M16	25	25	150	12.5	25	-			
SVVBN3232P16	32	32	170	16	32	-			

SVJCR/L



VC □□



93°
R type insert

(mm)

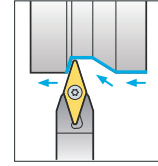
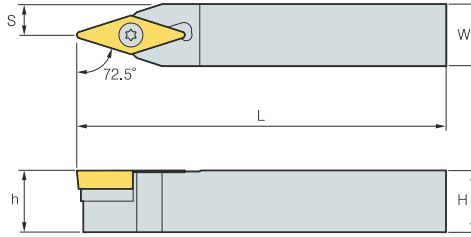
Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SVJCR/L1010H11	10	10	100	14	10	20	VC..1103..	T8	ST2508
SVJCR/L1212F11	12	12	80	16	12	25			
SVJCR/L1616H11	16	16	100	20	16	32			
SVJCR/L2020K11	20	20	125	25	20	32			
SVJCR/L2525M11	25	25	150	32	25	40	VC..1604..	T15	ST3509
SVJCR/L1616H16	16	16	100	20	16	32			
SVJCR/L2020K16	20	20	125	25	20	32			
SVJCR/L2525M16	25	25	150	32	25	40			
SVJCR/L3232P16	32	32	170	40	32	40			

Insert
External Toolholder
Internal Toolholder
Therading
Parting , Grooving
Miniature Tool

SVVCN



VC □□



72.5°
R type insert

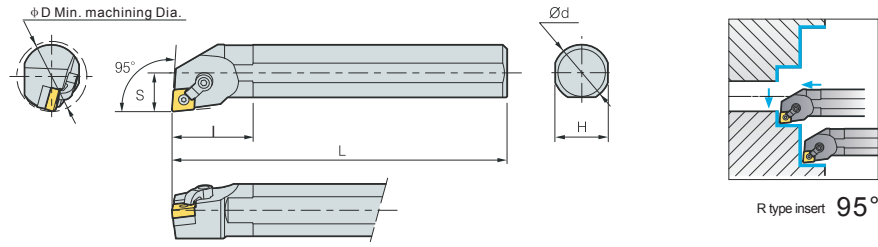
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	H	W	L	S	h	l			
SVVCN1212F11	12	12	80	6	12	-	VC..1103..	T8	ST2508
SVVCN1616H11	16	16	100	8	16	-			
SVVCN2020K11	20	20	125	10	20	-			
SVVCN2525M11	25	25	150	12.5	25	-			
SVVCN1616H16	16	16	100	8	16	-	VC..1604..	T15	ST3509
SVVCN2020K16	20	20	125	10	20	-			
SVVCN2525M16	25	25	150	12.5	25	-			
SVVCN3232P16	32	32	170	16	32	-			

MCLNR/L



CN □□



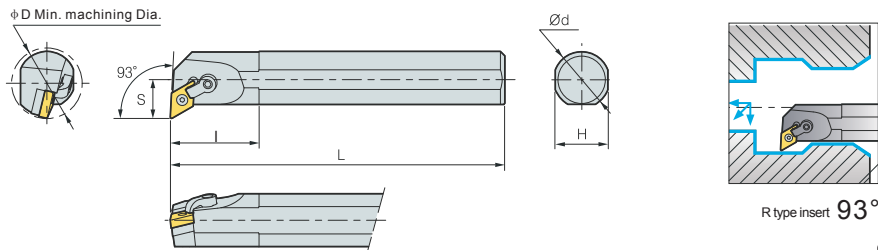
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
S20R-MCLNR/L12	25	20	18	200	13	40	CN..1204..	MLP44-A	-	LH025 LH030	MS620	MC620
S25R-MCLNR/L12	30	25	23	200	15.5	40		MLP46-A	CMS432	MS625		
S32S-MCLNR/L12	40	32	30	250	19.5	48						

MDUNR/L



DN □□



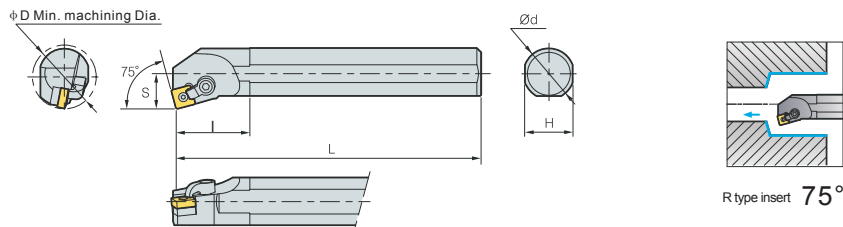
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
S25R-MDUNR/L15	32	25	18	200	13	40	DN..1504..	MLP44-A	DMS432	LH025 LH030	MS620	MC620
S32S-MDUNR/L15	40	32	23	250	15.5	40		MLP46-A				

MSKNR/L



SN □□



(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
S25R-MSKNR/L12	30	25	23	200	15	40	SN..1204..	MLP44-A	-	LH025LH	MS620	MC620
S40T-MSKNR/L12	50	40	37	300	25.5	55		MLP46-A	SMS432	-	MS625	

Insert

External Toolholder

Internal Toolholder

Threading

Parting, Grooving

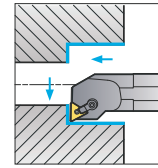
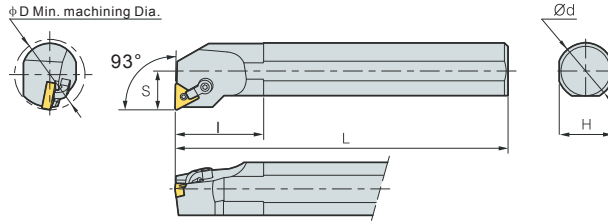
Miniature Tool

Insert

MTUNR/L



TN □□



R type insert 93°

(mm)

External Toolholder

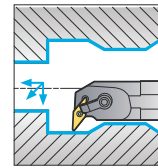
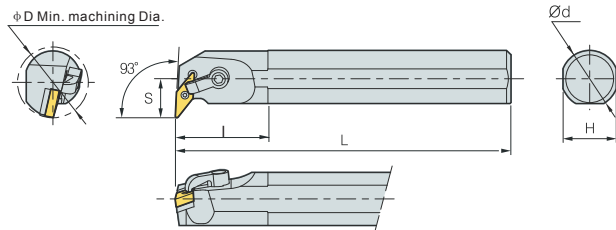
Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
S20R-MTUNR/L16	25	20	18	200	13	40	TN..1604..	MLP33L-A	-	LH020 LH025	MS520	MC515
S25R-MTUNR/L16	30	25	23	200	15.5	40		MLP34L-A	TMS322	LH020/030	MS625	MC620
S32S-MTUNR/L16	40	32	30	250	19.5	48						

Internal Toolholder

MVUNR/L



VN □□



R type insert 93°

(mm)

Threading

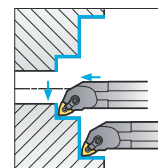
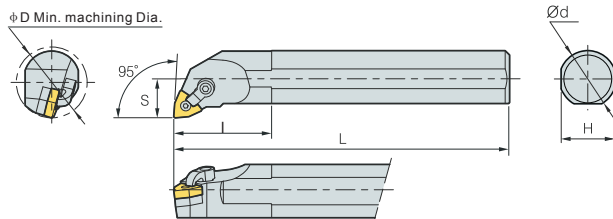
Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
S25R-MVUNR/L16	32	25	23	200	18	45	VN..1604..	MLP33L-A	-	LH020/025	MS520	MC515
S32S-MVUNR/L16	40	32	30	250	21	50		MLP34L-A	VMS322	LH020 LH025	MS625	MC620
S40T-MVUNR/L16	50	40	37	300	26	55						

Parting, Grooving

MWLNR/L



WN □□



R type insert 95°

(mm)

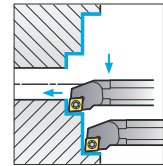
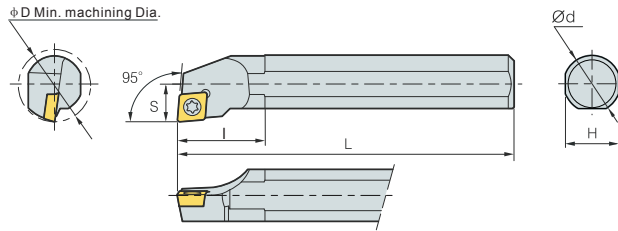
Miniature Tool

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
S20R-MWLNR/L08	25	20	18	200	13	40	WN..0804..	MLP44-A	-	LH025	MS520	MC515
S25R-MWLNR/L08	30	25	23	200	15	40		MLP46-A	WMS432			
S32S-MWLNR/L08	40	32	30	250	20	48						

SCLCR/L



CC □□



R type insert 95°

S:Steel Shank C:Carbide Shank

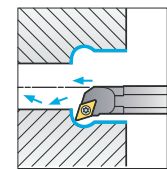
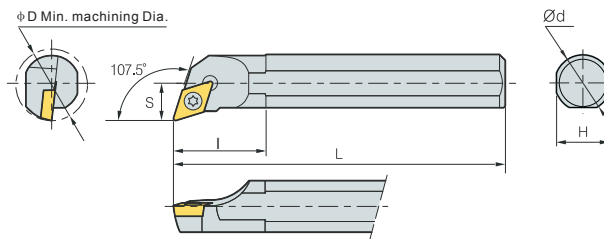
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
S08K-SCLCR/L06	10	8	7	125	5	20	CC..0602..	TRX08	BFTX2506
S10K-SCLCR/L06	12	10	9	125	6	22			
S12M-SCLCR/L06	16	12	11	150	8	26			
S16Q-SCLCR/L06	20	16	15	180	10	32			
S12M-SCLCR/L09	16	12	11	150	8	26	CC..09T3..	TRX15	BFTX4008
S14Q-SCLCR/L09	16	14	13	180	8	26			
S16Q-SCLCR/L09	20	16	15	180	10	32			
S20R-SCLCR/L09	25	20	18	200	13	40			
S25R-SCLCR/L09	30	25	23	200	15	40			
S32S-SCLCR/L09	38	32	30	250	20	48			
C08K-SCLCR/L06	10	8	7	125	5	20	CC..0602..	TRX08	BFTX2506
C10K-SCLCR/L06	12	10	9	125	6	22			
C12M-SCLCR/L06	16	12	11	150	8	26			
C12M-SCLCR/L09	16	12	11	150	8	26			
C16Q-SCLCR/L09	20	16	15	180	10	32	CC..09T3..	TRX15	BFTX4008

SDQCR/L



DC □□



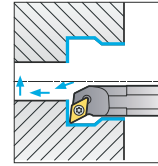
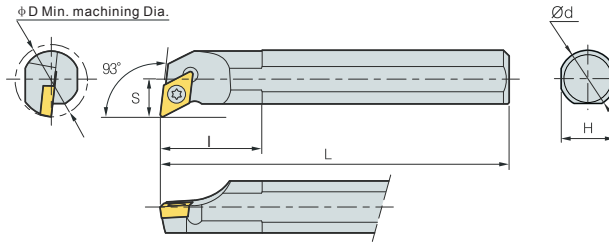
R type insert 107.5°

S:Steel Shank C:Carbide Shank

(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
S10K-SDQCR/L07	13	10	9	125	6.5	22	DC..0702..	TRX08	BFTX2506
S12M-SDQCR/L07	16	12	11	150	8	30			
S16Q-SDQCR/L07	20	16	15	180	10.5	35			
S16Q-SDQCR/L11	20	16	15	180	10.5	35	DC..11T3..	TRX15	BFTX4008
S20R-SDQCR/L11	25	20	18	200	12.5	40			
S25R-SDQCR/L11	32	25	23	200	15.5	45			
S32S-SDQCR/L11	40	32	30	250	19.5	48			
C10M-SDQCR/L07	13	10	9	150	6.5	22	DC..0702..	TRX08	BFTX2506
C12Q-SDQCR/L07	16	12	11	180	8	30			
C16Q-SDQCR/L07	20	16	15	180	10.5	35			

SDUCR/L



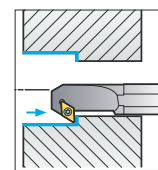
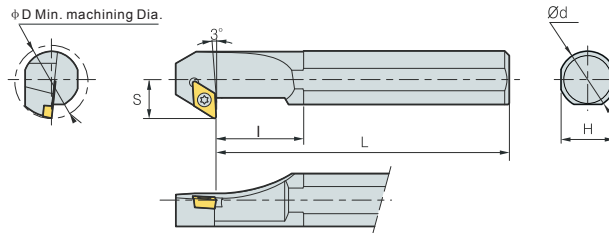
R type insert 93°

(mm)

S:Steel Shank C:Carbide Shank

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
S10K-SDUCR/L07	13	10	9	125	7	25	DC..0702..	TRX08	BFTX2506
S12M-SDUCR/L07	16	12	11	150	8.5	30			
S16Q-SDUCR/L07	20	16	15	180	11	30			
S16Q-SDUCR/L11	20	16	15	180	11	30	DC..11T3..	TRX15	BFTX4008
S20R-SDUCR/L11	25	20	18	200	13	40			
S25R-SDUCR/L11	32	25	23	200	16	45			
S32S-SDUCR/L11	40	32	30	250	20	48			
C10M-SDUCR/L07	13	10	9	150	7	25	DC..0702..	TRX08	BFTX2506
C12Q-SDUCR/L07	16	12	11	180	8.5	30	DC..11T3..	TRX15	BFTX4008
C16R-SDUCR/L11	20	16	15	200	11	30			

SDZCR/L



R type insert 93°

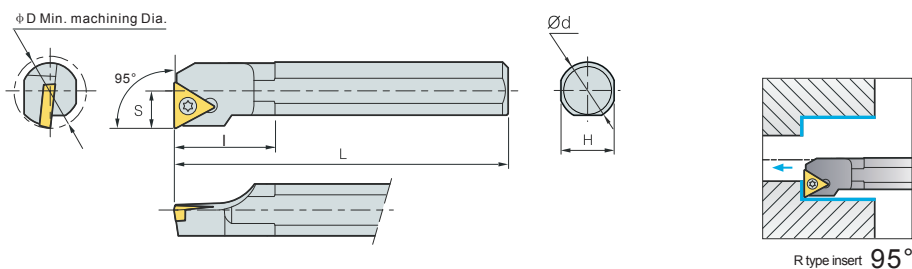
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
S10M-SDZCR/L07	14	10	9	150	8.5	18	DC .0702..	TRX08	BFTX2506
S12M-SDZCR/L07	17	12	11	150	10.5	20			
S16Q-SDZCR/L07	21	16	15	180	12.5	26			
S20R-SDZCR/L11	26	20	18	200	15.5	27	DC..11T3..	TRX15	BFTX4008
S25R-SDZCR/L11	33	25	23	200	18	32			
S32S-SDZCR/L11	40	32	30	250	21.5	42			

STUCR/L



TC □□



S:Steel Shank C:Carbide Shank

(mm)

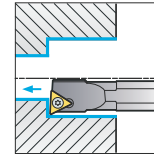
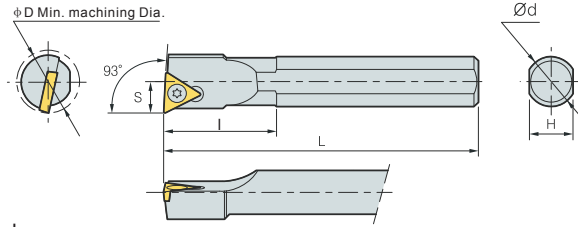
Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
S08K-STUCR/L09	10	8	7	125	5.5	20	TC..0902..	TRX06	BFTX2204
S10K-STUCR/L09	12	10	9	125	6	22			
S12M-STUCR/L09	16	12	11	150	8	26			
S10K-STUCR/L11	12	10	9	125	6	22	TC..1102..	TRX08	BFTX2506
S12M-STUCR/L11	16	12	11	150	8	26			
S16Q-STUCR/L11	20	16	15	180	10	32			
S20R-STUCR/L11	25	20	18	200	13	40			
S25R-STUCR/L11	30	25	23	200	15	40	TC..16T3..	TRX15	BFTX4010
S20R-STUCR/L16	25	20	18	200	13	40			
S25S-STUCR/L16	30	25	23	250	15	40			
S32S-STUCR/L16	38	32	30	250	20	48			
S32T-STUCR/L16	38	32	30	300	20	48	TC..0902..	TRX06	BFTX2204
C08K-STUCR/L09	10	8	7	125	5.5	20			
C10K-STUCR/L09	12	10	9	125	6	22			
C10K-STUCR/L11	12	10	9	125	6	22	TC..1102..	TRX08	BFTX2506
C12M-STUCR/L11	16	12	11	150	8	26			
C16R-STUCR/L11	20	16	15	200	10	32			

Insert
External Toolholder
Internal Toolholder
Threading
Parting, Grooving
Miniature Tool

STUPR/L



TP □□



R type insert 93°

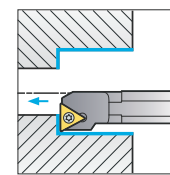
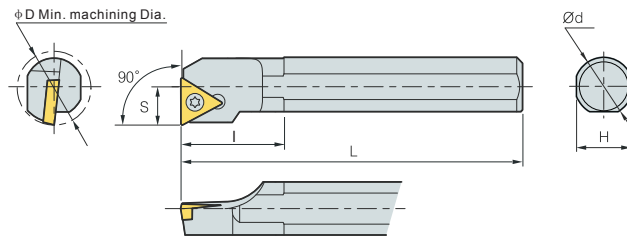
S:Steel Shank C:Carbide Shank

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
S08K-STUPR/L08	10	8	7	125	5.5	20	TP..0802..	TRX06	BFTX2204
S10K-STUPR/L08	12	10	9	125	6	22			BFTX2206
S12M-STUPR/L08	16	12	11	150	8	26			
S08K-STUPR/L09	10	8	7	125	5.5	20	TP..0902..	TRX08	BFTX2506
S10K-STUPR/L09	12	10	9	125	6	22			
S10K-STUPR/L11	12	10	9	125	6	22			
S12M-STUPR/L11	16	12	11	150	8	26	TP..1103..	TRX10	BFTX3008
S14Q-STUPR/L11	16	14	13	180	8	26			
S16Q-STUPR/L11	20	16	15	180	10	32			
S20R-STUPR/L11	25	20	18	200	13	40			
S25R-STUPR/L11	30	25	23	200	15	40			
C08K-STUPR/L08	10	8	7	125	5.5	20	TP..0802..	TRX06	BFTX2204
C08K-STUPR/L09	10	8	7	125	5.5	20	TP..0902..	TRX08	BFTX2506
C10K-STUPR/L09	12	10	9	125	6	22			
C10K-STUPR/L11	12	10	9	125	6	22			
C12M-STUPR/L11	16	12	11	150	8	26	TP..1103..	TRX10	BFTX3008
C16R-STUPR/L11	20	16	15	200	10	32			

STFCR/L



TC □□



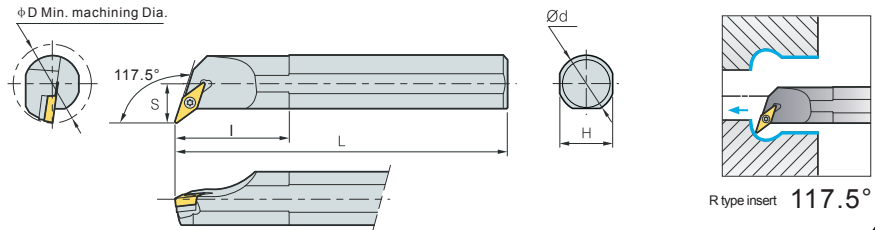
R type insert 90°

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
S08K-STFCR/L09	10	8	7	125	5.5	20	TC..0902..	TRX06	BFTX2206
S10K-STFCR/L09	12	10	9	125	6	22			
S10K-STFCR/L11	12	10	9	125	6	22			
S12M-STFCR/L11	16	12	11	150	8	26	TC..1102..	TRX08	BFTX2506
S16Q-STFCR/L11	20	16	15	180	10	32			
S20R-STFCR/L16	25	20	18	200	13	36			
S25S-STFCR/L16	30	25	23	250	15	40			
S32S-STFCR/L16	38	32	30	250	20	48			
							TC..16T3..	TRX15	BFTX4010

SVQBR/L



VB □□



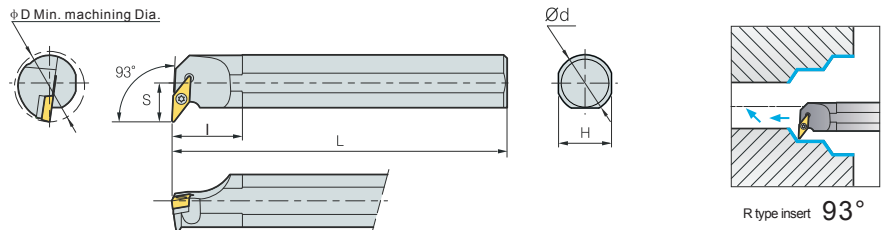
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw	Shim	ShimScre
	D	d	H	L	S	I					
S12M-SVQBR/L11	16	12	11	150	9	28	VB..1103..	TRX08	BFTX2506	-	-
S16Q-SVQBR/L11	20	16	15	180	11	35					
S20R-SVQBR/L11	25	20	18	200	13	40	VB..1604..	TRX15	BFTX3508	-	-
S20R-SVQBR/L16	25	20	18	200	13	40					
S25S-SVQBR/L16	32	25	23	250	16	45					
S32S-SVQBR/L16	40	32	30	250	20	48					
S40T-SVQBR/L16	50	40	37	300	25.5	60					
							TRX15 LH035	BFTX3512	VSS322	BX0535	

SVUBR/L



VB □□



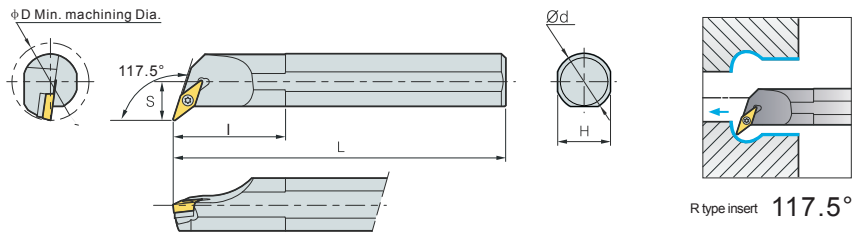
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw	Shim	ShimScre				
	D	d	H	L	S	I									
S16Q-SVUBR/L11	22	16	15	180	13	30	VB..1103..	TRX08	BFTX2506	-	-				
S20R-SVUBR/L11	27	20	18	200	15	40									
S25S-SVUBR/L16	32	25	23	250	18	45	VB..1604..	TRX15	BFTX3508	-	-				
S32S-SVUBR/L16	40	32	30	250	22	50									
S40T-SVUBR/L16	50	40	37	300	27	55									
												TRX15 LH035	BFTX3512	VSS322	BX5035

SVQCR/L



VC □□



(mm)

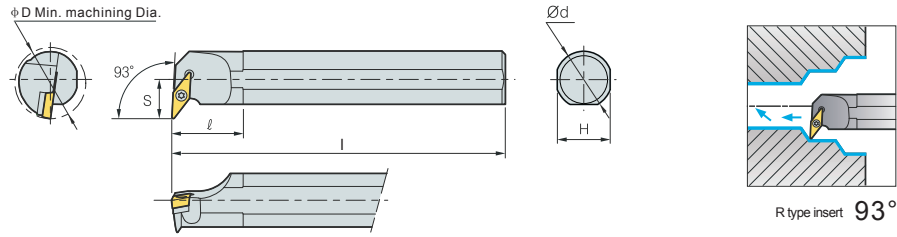
Order No.	Dimension (mm)						Insert	Wrench	Screw	Shim	ShimScre
	D	d	H	L	S	I					
S12M-SVQCR/L11	16	12	11	150	9	28	VC..1103..	TRX08	BFTX2506	-	-
S16Q-SVQCR/L11	20	16	15	180	11	35					
S20R-SVQCR/L11	25	20	18	200	13	40	VC..1604..	TRX15	BFTX3508	-	-
S20R-SVQCR/L16	25	20	18	200	13	40					
S25S-SVQCR/L16	32	25	23	250	16	45					
S32S-SVQCR/L16	40	32	30	250	20	48					
S40T-SVQCR/L16	50	40	37	300	25.5	60					
							TRX15 LH035	BFTX3512	VSS322	BX0535	

Insert
External Toolholder
Internal Toolholder
Threading
Parting, Grooving
Miniature Tool

SVUCR/L



VC □□



(mm)

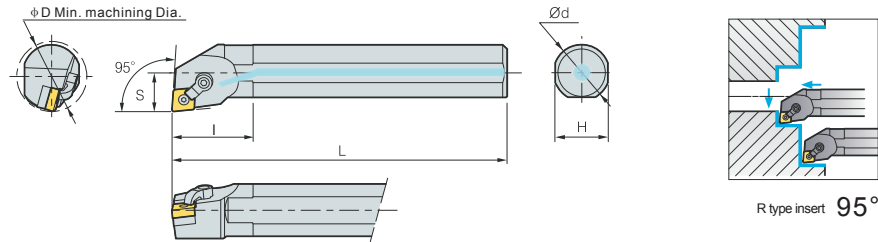
Order No.	Dimension (mm)						Insert	Wrench	Screw	Shim	ShimScre
	D	d	H	L	S	l					
S16Q-SVUCR/L11	22	16	15	180	13	30	VC..1103..	TRX08	BFTX2506	-	-
S20R-SVUCR/L11	27	20	18	200	15	40					
S25S-SVUCR/L16	32	25	23	250	18	45	VC..1604..	TRX15	BFTX3508	-	-
S32S-SVUCR/L16	40	32	30	250	22	50					
S40T-SVUCR/L16	50	40	37	300	27	55					

Insert
 External Toolholder
 Internal Toolholder
 Threading
 Parting, Grooving
 Miniature Tool

MCLNR/L



CN □□



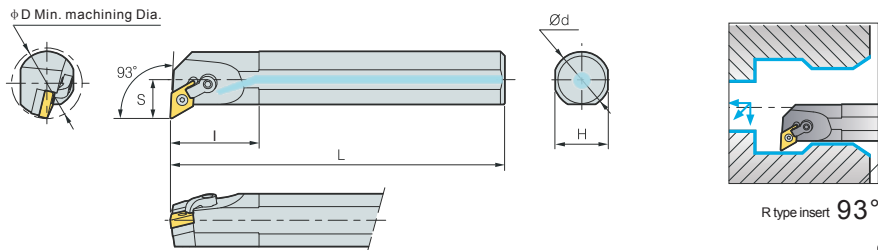
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
A20R-MCLNR/L12	25	20	18	200	13	40	CN..1204..	MLP44-A	-	LH025 LH030	MS620	MC620
A25R-MCLNR/L12	30	25	23	200	15.5	40		MLP46-A	CMS432		MS625	
A32S-MCLNR/L12	40	32	30	250	19.5	48						

MDUNR/L



DN □□



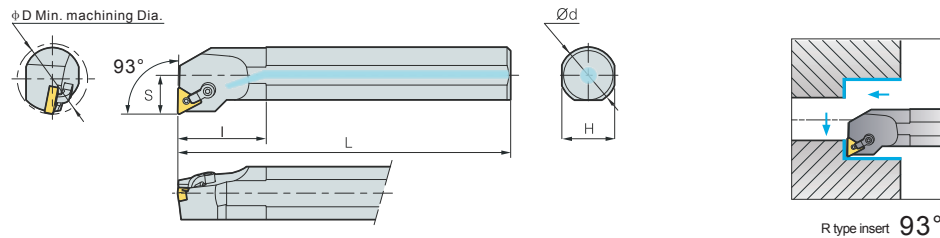
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
A25R-MDUNR/L15	32	25	18	200	13	40	DN..1504..	MLP44-A	DMS432	LH025 LH030	MS620	MC620
A32S-MDUNR/L15	40	32	23	250	15.5	40		MLP46-A				

MTUNR/L



TN □□



(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
A20R-MTUNR/L16	25	20	18	200	13	40	TN..1604..	MLP33L-A	-	LH020 LH025	MS520	MC515
A25R-MTUNR/L16	30	25	23	200	15.5	40		MLP34L-A	TMS322		LH020/030	
A32S-MTUNR/L16	40	32	30	250	19.5	48						

Insert

External Toolholder

Internal Toolholder

Threading

Parting, Grooving

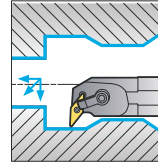
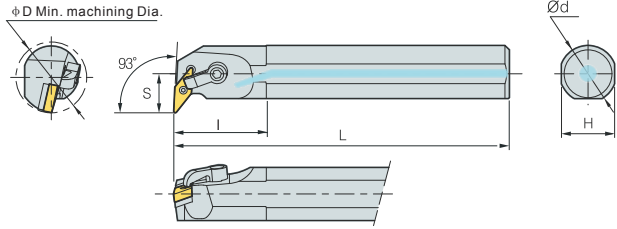
Miniature Tool

TOTIME Internal Toolholder
Steel Boring Bar with Coolant Hole

MVUNR/L



VN □□



R type insert 93°

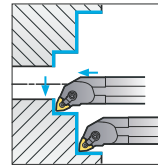
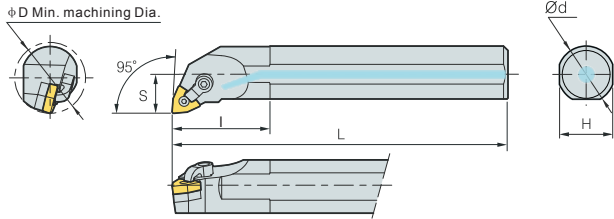
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
A25R-MVUNR/L16	32	25	23	200	18	45	VN..1604..	MLP33L-A	-	LH020/025	MS520	MC515
A32S-MVUNR/L16	40	32	30	250	21	50		MLP34L-A	VMS322	LH020 LH025	MS625	MC620
A40T-MVUNR/L16	50	40	37	300	26	55						

MWLNR/L



WN □□



R type insert 95°

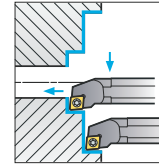
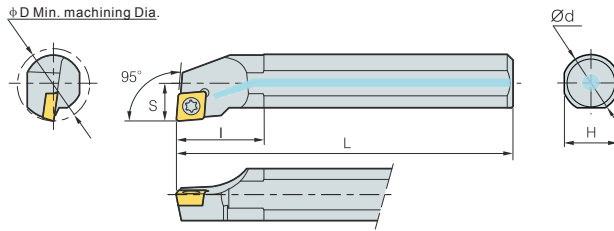
(mm)

Order No.	Dimension (mm)						Insert	Pin	Shim	Wrench	Screw	Clamp
	D	d	H	L	S	I						
A20R-MWLNR/L08	25	20	18	200	13	40	WN..0804..	MLP44-A	-	LH025	MS520	MC515
A25R-MWLNR/L08	30	25	23	200	15	40						
A32S-MWLNR/L08	40	32	30	250	20	48		MLP46-A	WMS432			

SCLCR/L



CC □□



R type insert 95°

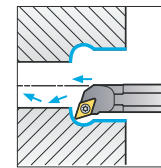
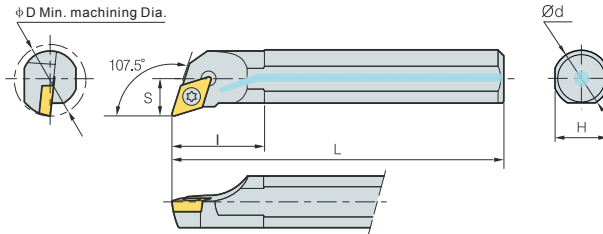
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
A08K-SCLCR/L06	10	8	7	125	5	20	CC..0602..	TRX08	BFTX2506
A10K-SCLCR/L06	12	10	9	125	6	22			
A12M-SCLCR/L06	16	12	11	150	8	26			
A16Q-SCLCR/L06	20	16	15	180	10	32			
A12M-SCLCR/L09	16	12	11	150	8	26	CC..09T3..	TRX15	BFTX4008
A16Q-SCLCR/L09	20	16	15	180	10	32			
A20R-SCLCR/L09	25	20	18	200	13	40			
A25R-SCLCR/L09	30	25	23	200	15	40			

SDQCR/L



DC □□



R type insert 107.5°

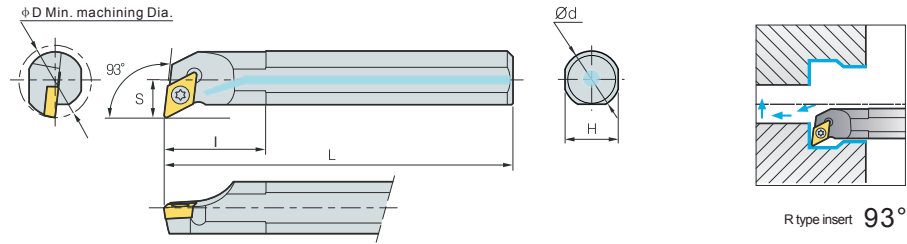
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
A10K-SDQCR/L07	13	10	9	125	6.5	22	DC..0702..	TRX08	BFTX2506
A12M-SDQCR/L07	16	12	11	150	8	30			
A16Q-SDQCR/L07	20	16	15	180	10.5	35			
A16Q-SDQCR/L11	20	16	15	180	10.5	35	DC..11T3..	TRX15	BFTX4008
A20R-SDQCR/L11	25	20	18	200	12.5	40			
A25R-SDQCR/L11	32	25	23	200	15.5	45			
A32S-SDQCR/L11	40	32	30	250	19.5	48			

SDUCR/L



DC □□



R type insert 93°

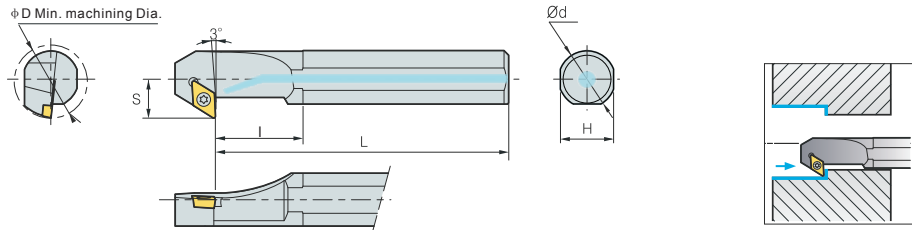
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
A10K-SDUCR/L07	13	10	9	125	7	25	DC..0702..	TRX08	BFTX2506
A12M-SDUCR/L07	16	12	11	150	8.5	30			
A16Q-SDUCR/L07	20	16	15	180	11	30			
A16Q-SDUCR/L11	20	16	15	180	11	30	DC..11T3..	TRX15	BFTX4008
A20R-SDUCR/L11	25	20	18	200	13	40			
A25R-SDUCR/L11	32	25	23	200	16	45			
A32S-SDUCR/L11	40	32	30	250	20	48			

SDZCR/L



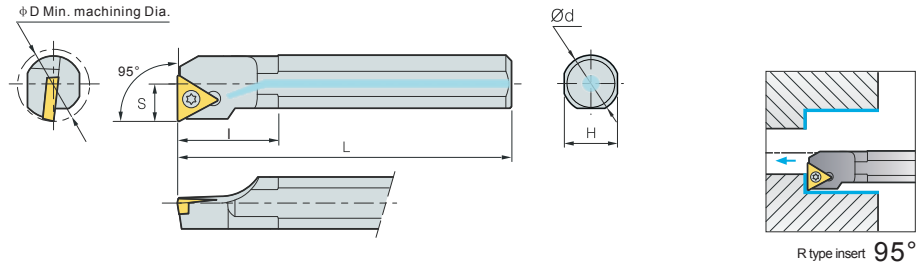
DC □□



R type insert 93° (mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
A10M-SDZCR/L07	14	10	9	150	8.5	18	DC..0702..	TRX08	BFTX2506
A12M-SDZCR/L07	17	12	11	150	10.5	20			
A16Q-SDZCR/L07	21	16	15	180	12.5	26			
A20R-SDZCR/L11	26	20	18	200	15.5	27	DC..11T3..	TRX15	BFTX4008
A25R-SDZCR/L11	33	25	23	200	18	32			
A32S-SDZCR/L11	40	32	30	250	21.5	42			

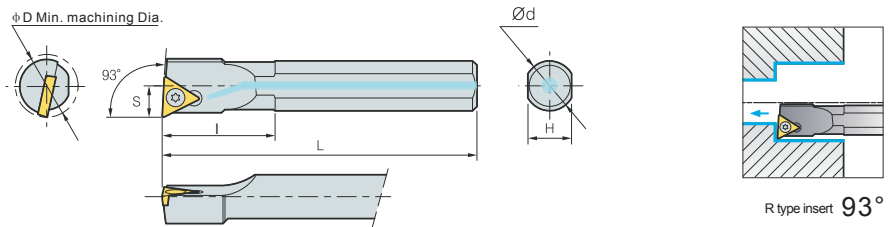
STUCR/L



(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
A08K-STUCR/L09	10	8	7	125	5.5	20	TC..0902..	TRX06	BFTX2204
A10K-STUCR/L09	12	10	9	125	6	22			
A10K-STUCR/L11	12	10	9	125	6	22	TC..1102..	TRX08	BFTX2506
A12M-STUCR/L11	16	12	11	150	8	26			
A16Q-STUCR/L11	20	16	15	180	10	32	TC..16T3..	TRX15	BFTX4010
A20R-STUCR/L16	25	20	18	200	13	40			
A25S-STUCR/L16	30	25	23	250	15	40			
A32S-STUCR/L16	38	32	30	250	20	48			
A32T-STUCR/L16	38	32	30	300	20	48			

STUPR/L



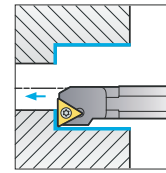
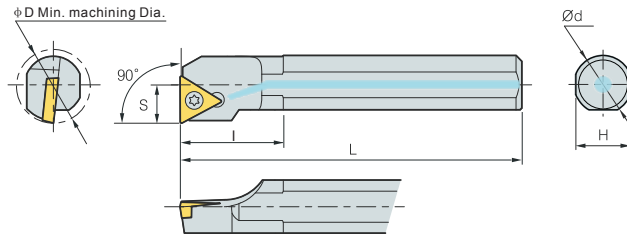
(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
A08K-STUPR/L08	10	8	7	125	5.5	20	TP..0802..	TRX06	BFTX2204
A10K-STUPR/L08	12	10	9	125	6	22			BFTX2206
A08K-STUPR/L09	10	8	7	125	5.5	20	TP..0902..	TRX08	BFTX2506
A10K-STUPR/L09	12	10	9	125	6	22			
A10K-STUPR/L11	12	10	9	125	6	22	TP..1103..	TRX10	BFTX3008
A12M-STUPR/L11	16	12	11	150	8	26			
A16Q-STUPR/L11	20	16	15	180	10	32			
A20R-STUPR/L11	25	20	18	200	13	40			
A25R-STUPR/L11	30	25	23	200	15	40			

TOTIME Internal Toolholder
Steel Boring Bar with Coolant Hole

Insert
 External Toolholder
 Internal Toolholder
 Threading
 Parting, Grooving
 Miniature Tool

STFCR/L

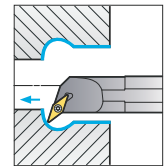
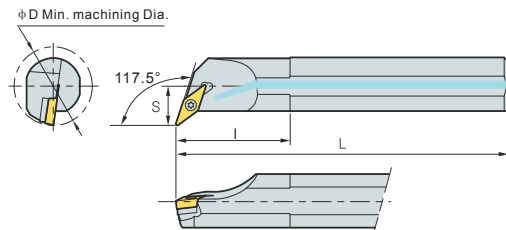


R type insert 90°

(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw
	D	d	H	L	S	I			
A08K-STFCR/L09	10	8	7	125	5.5	20	TC..0902..	TRX06	BFTX2206
A10K-STFCR/L09	12	10	9	125	6	22			
A10K-STFCR/L11	12	10	9	125	6	22	TC..1102..	TRX08	BFTX2506
A12M-STFCR/L11	16	12	11	150	8	26			
A16Q-STFCR/L11	20	16	15	180	10	32	TC..16T3..	TRX15	BFTX4010
A20R-STFCR/L16	25	20	18	200	13	36			
A25S-STFCR/L16	30	25	23	250	15	40			
A32S-STFCR/L16	38	32	30	250	20	48			

SVQBR/L



R type insert 117.5°

(mm)

Order No.	Dimension (mm)						Insert	Wrench	Screw	Shim	ShimScrew
	D	d	H	L	S	I					
A16Q-SVQBR/L11	20	16	15	180	11	35	VB..1103..	TRX08	BFTX2506	-	-
A20R-SVQBR/L11	25	20	18	200	13	40					
A20R-SVQBR/L16	25	20	18	200	13	40	VB..1604..	TRX15	BFTX3508	-	-
A25S-SVQBR/L16	32	25	23	250	16	45		TRX15 LH035	BFTX3512	VSS322	BX0535
A32S-SVQBR/L16	40	32	30	250	20	48					

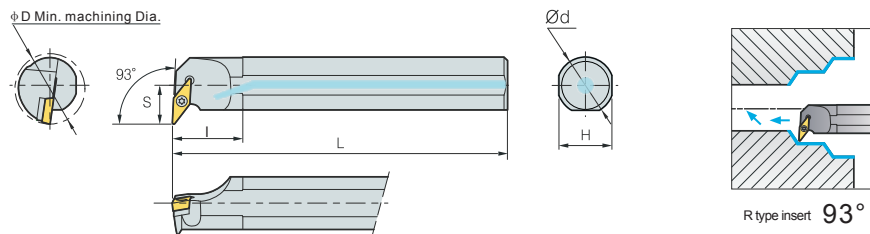
TOTIME Internal Toolholder

Steel Boring Bar with Coolant Hole

SVUBR/L



VB □□

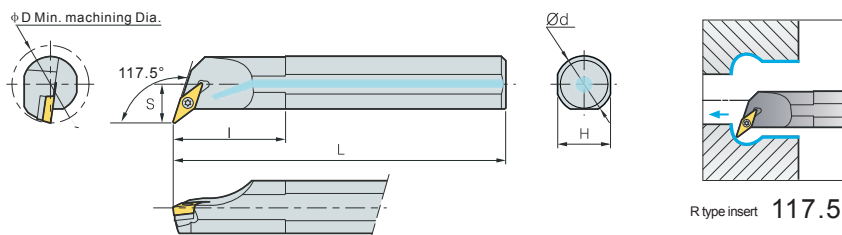


Order No.	Dimension (mm)						Insert	Wrench	Screw	Shim	ShimScrew
	D	d	H	L	S	I					
A16Q-SVUBR/L11	22	16	15	180	13	30	VB..1103..	TRX08	BFTX2506	-	-
A20R-SVUBR/L11	27	20	18	200	15	40					
A25S-SVUBR/L16	32	25	23	250	18	45					

SVQCR/L



VC □□

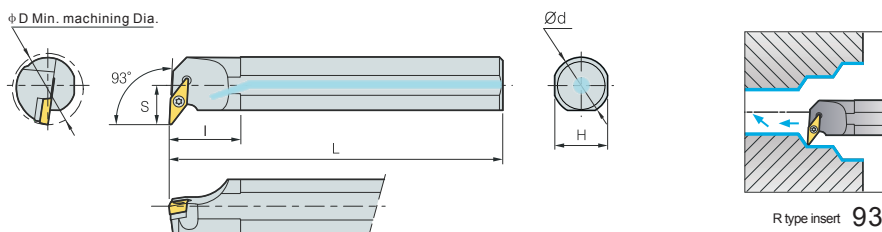


Order No.	Dimension (mm)						Insert	Wrench	Screw	Shim	ShimScrew
	D	d	H	L	S	I					
A12M-SVQCR/L11	16	12	11	150	9	28	VC..1103..	TRX08	BFTX2506	-	-
A16Q-SVQCR/L11	20	16	15	180	11	35					
A20R-SVQCR/L11	25	20	18	200	13	40					
A20R-SVQCR/L16	25	20	18	200	13	40	VC..1604..	TRX15	BFTX3508	-	-
A25S-SVQCR/L16	32	25	23	250	16	45					
A32S-SVQCR/L16	40	32	30	250	20	48					
A40T-SVQCR/L16	50	40	37	300	25.5	60		TRX15 LH035	BFTX3512	VSS322	BX0535

SVUCR/L



VC □□



Order No.	Dimension (mm)						Insert	Wrench	Screw	Shim	ShimScrew
	D	d	H	L	S	I					
A16Q-SVUCR/L11	22	16	15	180	13	30	VC..1103..	TRX08	BFTX2506	-	-
A20R-SVUCR/L11	27	20	18	200	15	40					
A25S-SVUCR/L16	32	25	23	250	18	45					
A32S-SVUCR/L16	40	32	30	250	22	50	VC..1604..	TRX15 LH035	BFTX3512	VSS322	BX5035