

Internal Tool Holders



Legend:

- S-steel
- A-steel(w)thru coolant
- D-Devibrator
- C-Carbide
- E-Carbide(w)thru coolant
- H-Interchangeable head
- R-Rotating head

Insert Clearance

N	
P	
C	
B	
E	
D	

Method of Holding

	D
	M
	P
	B
	S

Insert Shape

	80° Rhombic
	55° Rhombic
	Round
	Square
	Triangle
	35° Rhombic
	Trigon

Cutting Edge Angle

A	90°		L	95°	
B	75°		N	63°	
D	45°		P	62.5°	
E	60°		Q	108°	
F	91°		S	45°	
G	90°		T	60°	
U	93°		V	72.5°	
K	75°		Z	93°	

Shank length l₁ (mm)

K	125
M	150
Q	180
R	200
S	250
T	300
U	350
V	400
W	450
Y	500
X	Special

Boring bar or head type

S	32	S	D	C	L	N	R	12	
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Diagram Description: The diagram shows a boring bar with a circular cross-section of diameter $\phi 32$. The bar is composed of several segments, each labeled with a letter or number corresponding to the tables above. The segments are: S (steel), 32 (shank length), S (steel), D (Devibrator), C (Carbide), L (rotating head), N (0° insert clearance), R (rotating head), 12 (shank length), and an empty segment for a custom choice. The bar is shown in a perspective view with a cutting tool at the end.

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

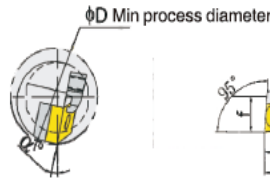
End Mill

Drill & Tap

Drilling & Boring

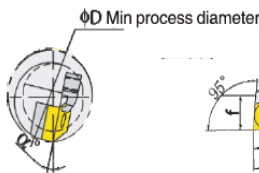
Tool Holder

S**MCLNR/L



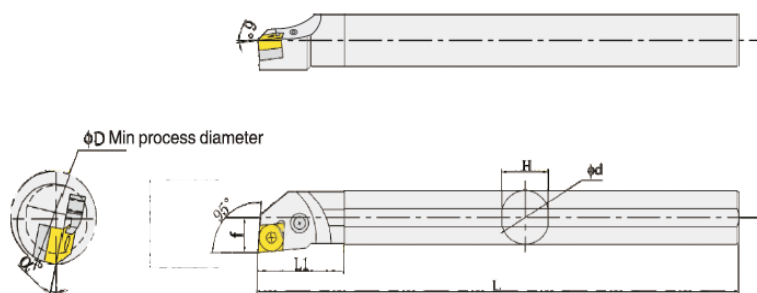
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S20R-MCLNR/L12	25	20	200	45	18	13	15						
S25R-MCLNR/L12	32	25	200	45	23	16.5	12		CN-M1204	MXD0617	MYB1814	ST0625	
S25S-MCLNR/L12	32	25	250	45	23	16.5	12						
S32S-MCLNR/L12	40	32	250	50	29	22.5	17						
S32T-MCLNR/L12	40	32	300	50	29	22.5	17						
S40T-MCLNR/L12	50	40	300	55	37	26	15						
S40U-MCLNR/L12	50	40	350	55	37	26	15						

S**DCLNR/L



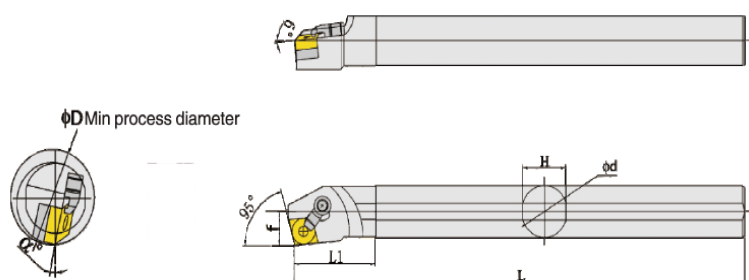
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S25S-DCLNR/L12	32	25	250	40	20	17	12											
S32T-DCLNR/L12	40	32	300	50	32	22	17		CN-D1204	DXD0614								
S40U-DCLNR/L12	50	40	350	55	40	27	15											

S**PCLNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench
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S20R-PCLNR/L09	25	20	200	32	16	13	15	CN**0903	※	GGX0310A	※	NLJ0615	L3.0
S25S-PCLNR/L12	32	25	250	40	20	17	12	CN**1204		GGX0514A		NLJ0816	
S32T-PCLNR/L12	40	32	300	50	32	22	17		CN-P1203	GGX0514	DPX0803	NLJ0820	
S40U-PCLNR/L12	50	40	350	55	40	27	15						

S**MCKNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench	
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S20R-MCKNR/L12	25	20	200	45	18	13	15				MYB1814	ST0625		
S25R-MCKNR/L12	32	25	200	45	23	16.5	12							
S25S-MCKNR/L12	32	25	250	45	23	16.5	12							
S32S-MCKNR/L12	40	32	250	50	29	22.5	17							
S32T-MCKNR/L12	40	32	300	50	29	22.5	17							

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

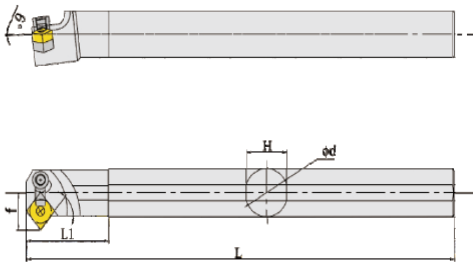
End Mill

Drill & Tap

Drilling & Boring

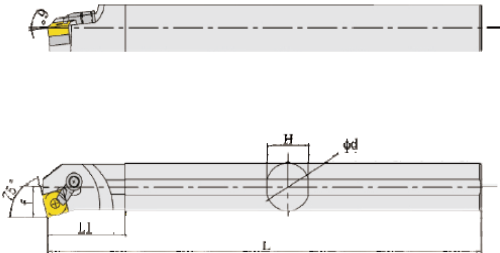
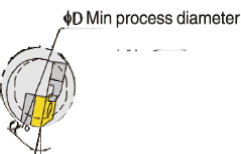
Tool Holder

S**MCWNR/L



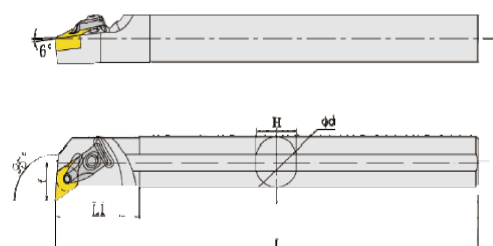
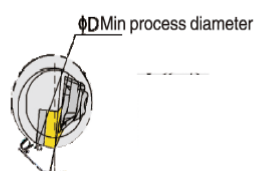
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S25S-MCWNR/L12	32	25	250	45	23	16.5	12						
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S**MSKNR/L



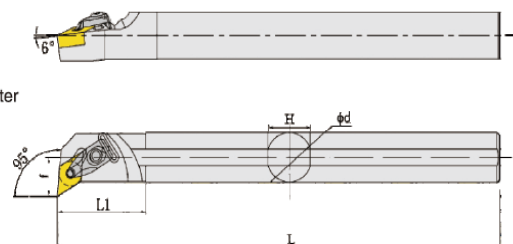
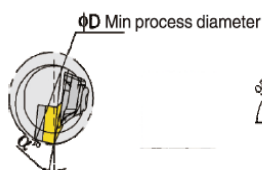
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S25S-MSKNR/L12	32	25	250	45	23	16.5	12						
S32T-MSKNR/L12	40	32	300	50	29	22.5	17		CN-M1204	MXD0617	MYB1814	ST0625	

S**DDUNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench	Wrench									
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S25S-DDUNR/L1504	32	25	250	40	23	17	12	DN**1504	※	※	DYB2514	DGD0520	DTN0814	L4.0									
S32T-DDUNR/L1504	40	32	300	50	29	22.5	17		DN-D1506	DXD0614													
S40U-DDUNR/L1504	50	40	350	55	37	26	15	DN**1506	DN-D1504														
S32T-DDUNR/L1506	42	32	300	50	29	22.5	17																
S40U-DDUNR/L1506	50	40	350	55	37	26	15																

S**PDUNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Lever	Shim pin	Screw	Wrench
	D	d	L	L1	H	f	a°						
S20R-PDUNR/L11	25	20	200	30	18	13	15	DN**1104	※	GGX0310A	※	NLJ0617	L3.0
S25S-PDUNR/L1506	32	25	250	35	23	17	12	DN**1506		GGX0514A		NLJ0816	
S32T-PDUNR/L1506	40	32	300	40	30	22	17		DN-P1503	GGX0514D	DPX0606	NLJ0820	
S40U-PDUNR/L1506	50	40	350	50	37	27	15						

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

End Mill

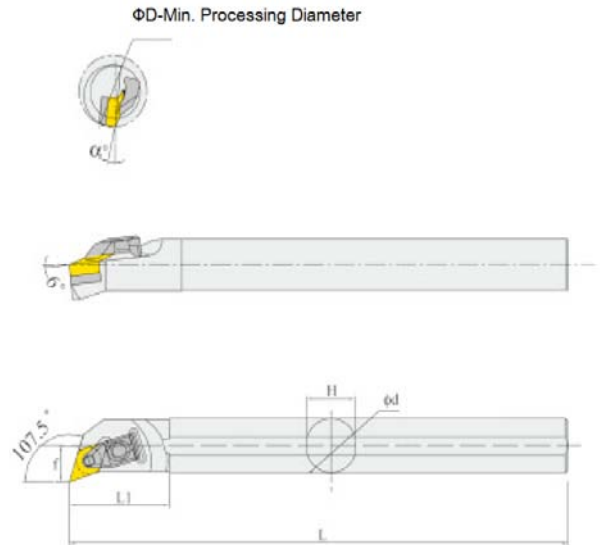
Drill & Tap

Drilling & Boring

Tool Holder

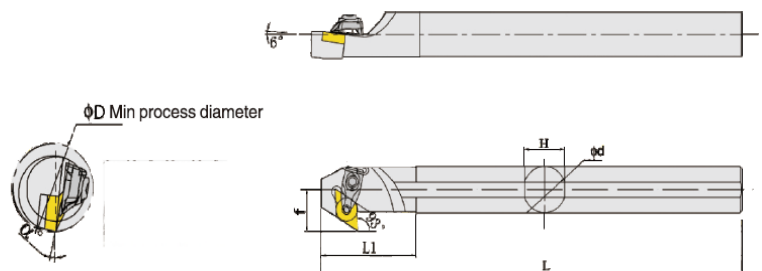
Turning Insert
External Turning Holder
Internal Turning Holder
Grooving & Parting
Milling
Threading
End Mill
Drill & Tap
Drilling & Boring
Tool Holder

S**DDQNR/L



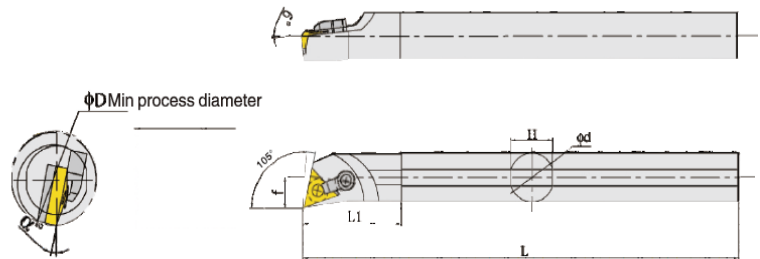
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S32T-DDQNR/L1504	40	32	300	50	29	22.5	17		DN-D1506					
S40U-DDQNR/L1504	50	40	350	55	37	26	15		DXD0614					
S32T-DDQNR/L1506	40	32	300	50	29	22.5	17	DN**1506		DN-D1504				
S40U-DDQNR/L1506	50	40	350	55	37	26	15							

S**DDZNR/L



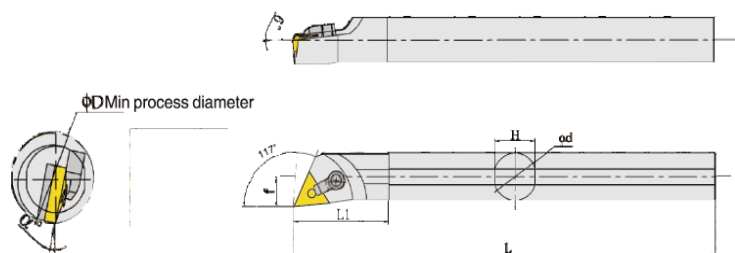
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S40U-DDZNR/L1504	50	40	350	55	37	26	15							
S32T-DDZNR/L1506	40	32	300	50	29	22.5	17	DN**1506	DN-D1504					
S40U-DDZNR/L1506	50	40	350	55	37	26	15							

S**MTQNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench
	D	d	L	L1	H	f	a°						
S20R-MTQNR/L16	25	20	200	40	18	12.5	15	TN**1604	※	MXD0511	MYB1811	ST0622	L2.0 L3.0
S25S-MTQNR/L16	32	25	250	45	23	16	12				MYB1814	ST0625	
S32T-MTQNR/L16	41	32	300	54	29	22.5	17		TN-M1603	MXD0513			

S**MTJNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench
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S20Q-MTJNR/L16	25	20	180	40	18	13	15	TN**1604	※	MXD0511	MYB1811	ST0620	L2.0 L3.0
S20R-MTJNR/L16	25	20	200	40	18	13	15						
S25R-MTJNR/L16	32	25	200	45	23	16.5	12						
S25S-MTJNR/L16	32	25	250	45	23	16.5	12		TN-M1603	MXD0513	MYB1814	ST0625	
S32S-MTJNR/L16	41	32	250	54	29	22.5	17						
S32T-MTJNR/L16	41	32	300	54	29	22.5	17						

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

End Mill

Drill & Tap

Drilling & Boring

Tool Holder

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

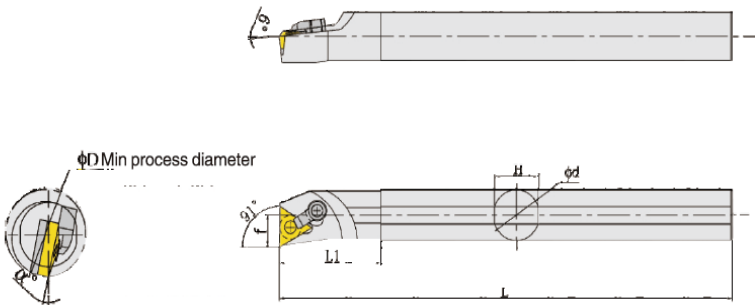
End Mill

Drill & Tap

Drilling & Boring

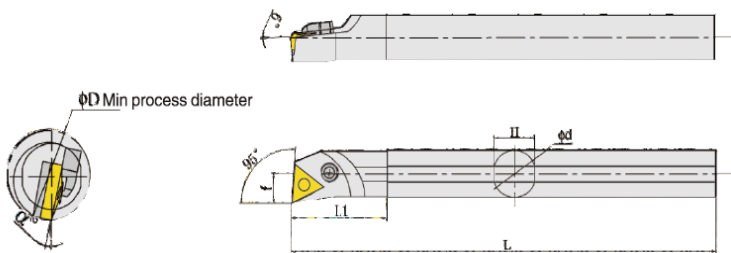
Tool Holder

S**MTFNR/L



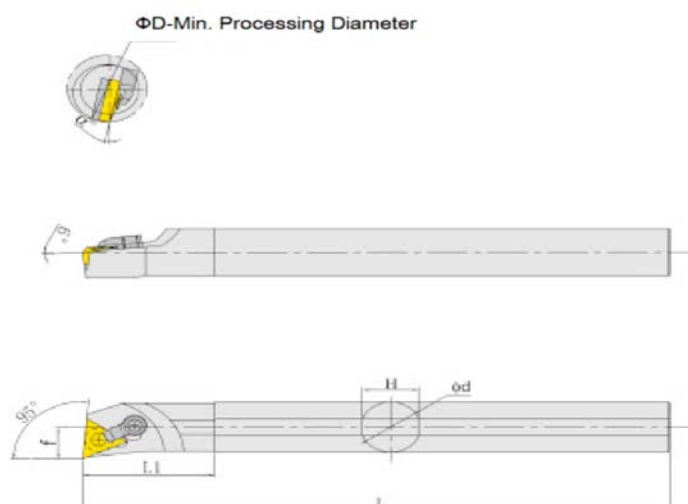
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S16Q-MTFNR/L16	20	16	180	38	15	11	15	TN**1604	※	MXD0511	MYB1811	ST0620	L2.0 L3.0
S20Q-MTFNR/L16	25	20	180	45	18	13	15				MYB1814	ST0625	
S20R-MTFNR/L16	25	20	200	45	18	13	15						
S25R-MTFNR/L16	32	25	200	45	23	16.5	12						
S25S-MTFNR/L16	32	25	250	45	23	16.5	12						
S32S-MTFNR/L16	41	32	250	50	29	22.5	17						
S32T-MTFNR/L16	41	32	300	50	29	22.5	17		TN-M1603	MXD0513			

S**PTUNR/L



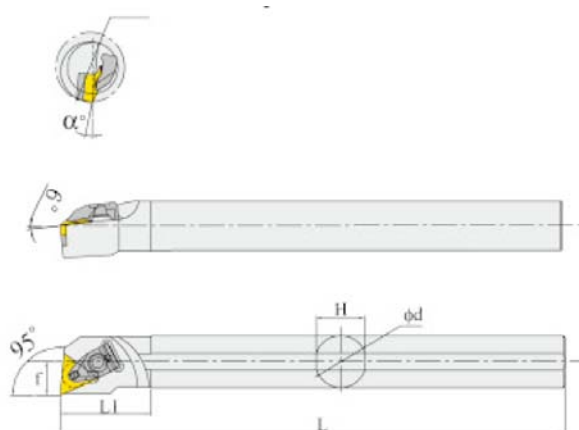
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S20R-PTUNR/L16	25	20	200	33	18	13	15	TN**1604	※	GGX0310A	※	NLJ0615	L2.5
S25S-PTUNR/L16	32	25	250	42	23	17	12		TN-P1603	GGX0310	DPX0505	NLJ0618	
S32T-PTUNR/L16	44	32	300	50	30	22	17						
S40T-PTUNR/L16	54	40	300	55	37	27	15						

S**MTUNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench	
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S16Q-MTUNR/L16	20	16	180	38	15	11	15	TN**1604	※	MXD0511	MYB1811	ST0620	L2.0 L3.0	
S20Q-MTUNR/L16	25	20	180	45	18	13	15				MYB1814	St0625		
S20R-MTUNR/L16	25	20	200	45	18	13	15							
S25R-MTUNR/L16	32	25	200	45	23	16.5	12							
S25S-MTUNR/L16	32	25	250	45	23	16.5	12							
S32S-MTUNR/L16	41	32	250	50	29	22.5	17							
S32T-MTUNR/L16	41	32	300	50	29	22.5	17		TN-M1603	MXD0513				

S**DTUNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench	Wrench
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S20R-DTUNR/L16	25	20	200	45	18	13	15	TN**1604	※	※	DYB2313	DGD0520	DTH0814	L4.0
S25S-DTUNR/L16	32	25	250	45	23	16.5	12							
S32T-DTUNR/L16	42	32	300	50	29	22.5	17							

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

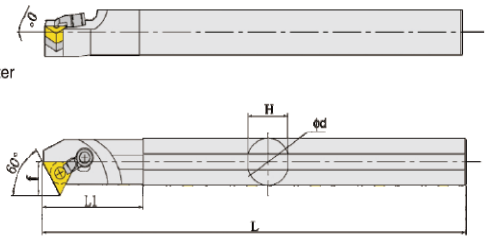
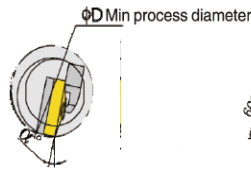
End Mill

Drill & Tap

Drilling & Boring

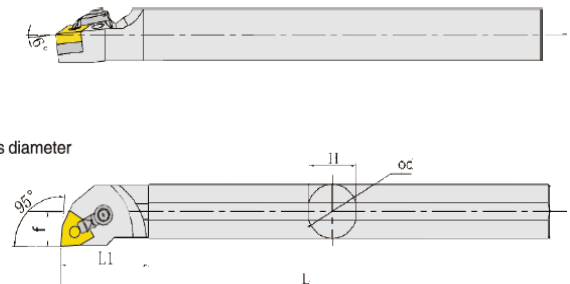
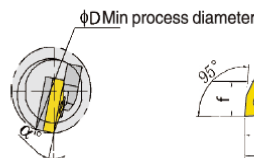
Tool Holder

S**MTWNR/L



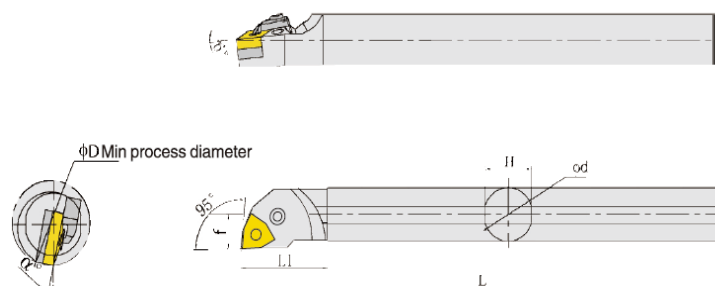
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S25S-MTWNR/L16	32	25	250	45	23	16	12				MYB1814	ST0625	
S32T-MTWNR/L16	41	32	300	50	29	20	17			MXD0513			

S**MWLNR/L



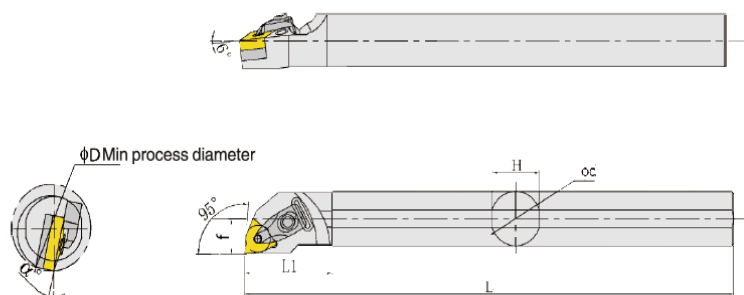
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S20R-MWLNR/L06	25	20	200	45	18	13	15				MYB1814	ST0625	
S25S-MWLNR/L06	32	25	250	45	23	16.5	12						
S20Q-MWLNR/L08	25	20	180	45	18	13	15	WN**0804	※	MXD0614	MYB1811	ST0620	L2.0 L3.0
S20R-MWLNR/L08	25	20	200	45	18	13	15						
S25R-MWLNR/L08	32	25	200	45	23	16.5	12						
S25S-MWLNR/L08	32	25	250	45	23	16.5	12						
S32S-MWLNR/L08	41	32	250	50	29	22.5	17						
S32T-MWLNR/L08	41	32	300	50	29	22.5	17						
S40U-MWLNR/L08	50	40	350	55	37	26	15		WN-M0804	MXD0617	MYB1814	ST0625	

S**PWLNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Lever	Shim pin	Screw	Wrench
	D	d	L	L1	H	f	a°						
S20R-PWLNR/L06	25	20	200	45	18	13	15	WN**0604	※	GGX0310	※	NLJ0615	L3.0
S25S-PWLNR/L08	32	25	250	45	23	16.5	12	WN**0804		GGX0514A		NLJ0816	
S32T-PWLNR/L08	44	32	300	50	29	22.5	17		WN-P0803	GGX0514	DPX0606	NLJ0820	
S40T-PWLNR/L08	54	40	300	55	37	26	15						

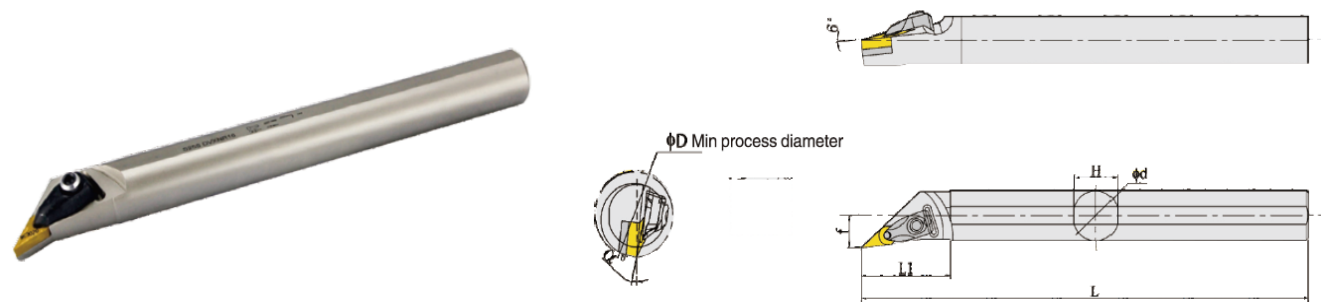
S**DWLNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench	Wrench				
	D	d	L	L1	H	f	a°											
S20R-DWLNR/L08	25	20	200	45	18	13	15	WN**0804	※	※	DYB2214	DGD0520	DTN0814	L4.0				
S25S-DWLNR/L08	32	25	250	45	23	16.5	12											
S32T-DWLNR/L08	42	32	300	50	29	22.5	17		WN-D0804	DXD0614								
S40U-DWLNR/L08	50	40	350	55	37	26	15											

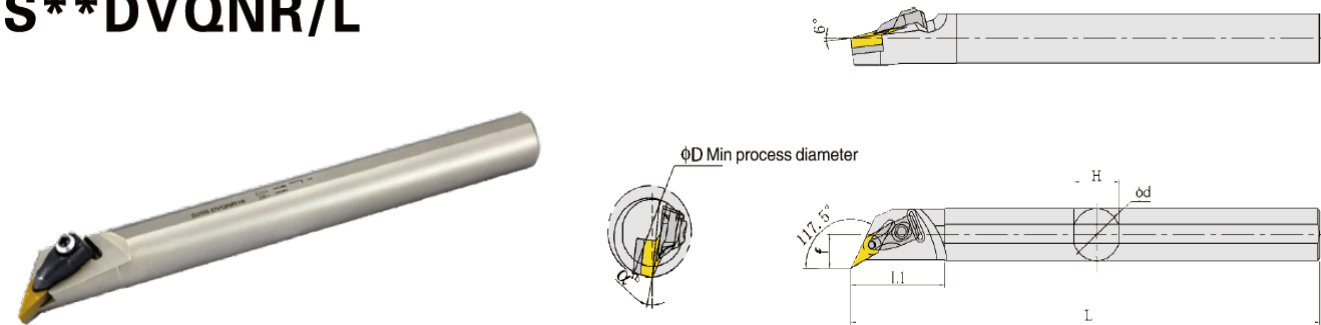
Turning Insert
External Turning Holder
Internal Turning Holder
Grooving
Milling
Threading
End Mill
Drill & Tap
Drilling & Bore
Tool Holder

S**DVXNR/L



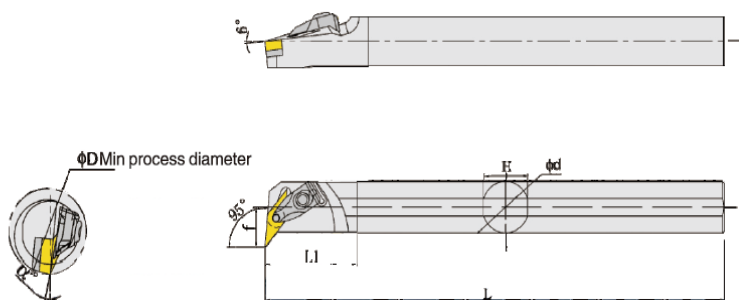
Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench	Wrench
	D	d	L	L1	H	f	a°							
S20R-DVXNR/L16	27	20	200	45	18	14	15	VN**1604	※	※	DYB2914	DGD0520	DTN0814	L4.0
S25S-DVXNR/L16	32	25	250	45	23	17	12		※	※				
S32T-DVXNR/L16	42	32	300	50	29	23	17		※	※				
S40U-DVXNR/L16	50	40	350	55	37	27	15		VN-D1603	DXD0512				

S**DVQNR/L



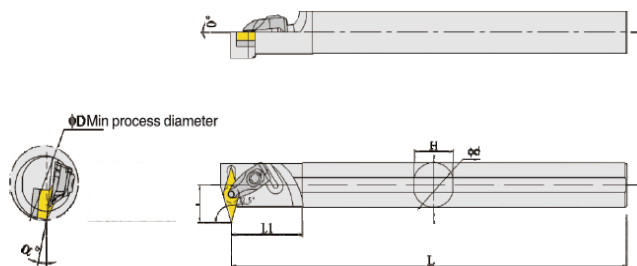
Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench	Wrench
	D	d	L	L1	H	f	a°							
S25S-DVQNR/L16	32	25	250	45	23	17	12	VN**1604	※	※	DYB2914	DGD0520	DTH0814	L4.0
S32T-DVQNR/L16	42	32	300	50	29	23	17		※	※				
S40U-DVQNR/L16	50	40	350	55	37	27	15		VN-D1603	DXD0512				

S**DVUNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench	Wrench
	D	d	L	L1	H	f	a°							
S25S-DVUNR/L16	32	25	250	45	23	17	12	VN**1604	※	※	DYB2914	DGD0520	DTH0814	L4.0
S32T-DVUNR/L16	42	32	300	50	29	23	17		VN-D1603	DXD0512				
S40U-DVUNR/L16	50	40	350	55	37	27	15							

S**DVWNR/L



Ordering Code	Dimensions(mm)							Insert	Shim	Pin	Clamp	Screw	Wrench	Wrench
	D	d	L	L1	H	f	a°							
S25S-DVWNR/L16	32	25	250	45	23	17	12	VN**1604	※	※	DYB2914	DGD0520	DTH0814	L4.0
S32T-DVWNR/L16	42	32	300	50	29	23	17		VN-D1603	DXD0512				

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

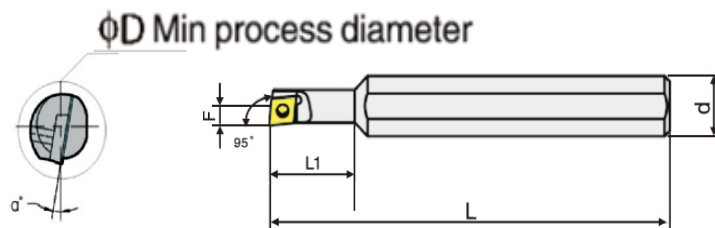
End Mill

Drill & Tap

Drilling & Boring

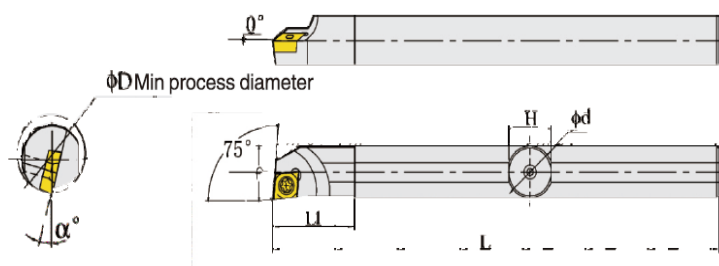
Tool Holder

S**-SCLCR/L



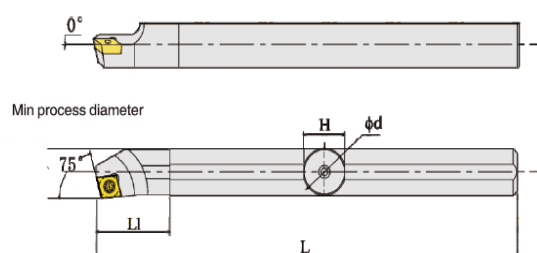
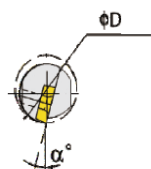
Ordering Code	Dimensions(mm)								Insert	Screw	Wrench
	D	d	d1	f	L1	L	H	a°			
S0612K-SCLCR/L04	7	12	6	3.5	18	125	11	10	CC**0401	M2.0*4	T-6
S0812K-SCLCR/L06	10	12	8	5	24	125	11	10	CC**0602	M2.5*6	T-8
S0616M-SCLCR/L04	7	16	6	3.5	18	150	11	10	CC**0401	M2.0*4	T-6
S0816M-SCLCR/L06	10	16	8	5	24	150	15	10	CC**0602	M2.5*6	T-8
S1016M-SCLCR/L06	13	16	10	6	30	150	15	10			
S1216M-SCLCR/L06	16	16	12	7	36	150	15	10			
S1020M-SCLCR/L06	13	20	10	6	30	150	18	8			
S1220M-SCLCR/L06	16	20	12	7	36	150	18	8	CC**09T3	M3.5*8	T-15
S1220M-SCLCR/L09	16	20	12	7.5	36	150	18	8			

S**-SCLCR/L



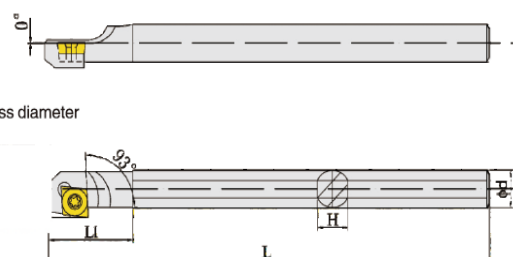
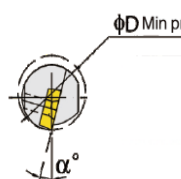
Ordering Code	Dimensions(mm)								Insert	Screw	Wrench
	D	d	f	L	L1	H	a°				
S08K-SCLCR/L06	10	8	5	125	20	7	13	CC**0602	M2.5*6	T-8	
S10K-SCLCR/L06	13	10	6	125	22	9	12				
S12M-SCLCR/L06	16	12	7	150	25	11	10				
S16Q-SCLCR/L09	20	16	9.5	160	30	15	10	CC**09T3	M3.5*8	T-15	
S20R-SCLCR/L09	25	20	11.5	200	35	18	8				
S25R-SCLCR/L09	31	25	14	200	35	23	6				
S25S-SCLCR/L09	31	25	14	250	40	23	6				
S25S-SCLCR/L12	31	25	14.5	250	40	23	6	CC**1204	M5.0*12	T-20	
S32S-SCLCR/L12	39	32	18	250	45	29	4				
S32T-SCLCR/L12	39	32	18	300	45	29	4				

S**-SCKCR/L



Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	α°			
S08K-SCKCR/L06	10	8	5.5	125	20	7	13	CC**0602	M2.5*6	T-8
S10K-SCKCR/L06	13	10	6	125	22	9	12			
S12M-SCKCR/L06	16	12	7	150	25	11	10			
S16Q-SCKCR/L09	20	16	9.5	180	30	15	10	CC**09T3	M3.5*8	T-15
S20Q-SCKCR/L09	25	20	11.5	180	35	18	8			
S20R-SCKCR/L09	31	25	11.5	200	35	18	6			
S25R-SCKCR/L09	31	25	14	200	35	23	6			
S25S-SCKCR/L09	31	25	14	250	40	23	6			

S**-SCZCR/L



Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	α°			
S08K-SCZCR/L06	12.5	8	6.5	125	26	7	13	CC**0602	M2.5*6	T-8
S10K-SCZCR/L06	14	10	7.5	125	28	9	12			
S12M-SCZCR/L06	16	12	8.5	150	32	11	10			
S16Q-SCZCR/L09	20	16	10.5	180	28	15	10	CC**09T3	M3.5*8	T-15
S20R-SCZCR/L09	25	20	13.5	200	40	18	8			
S25S-SCZCR/L09	32	25	16	250	45	23	6			

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

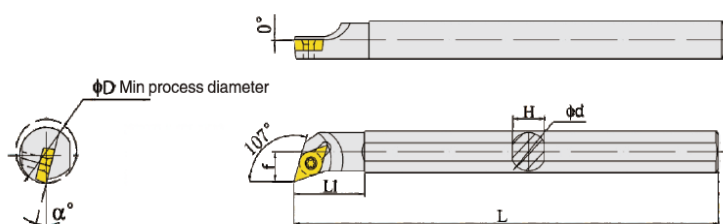
End Mill

Drill & Tap

Drilling & Boring

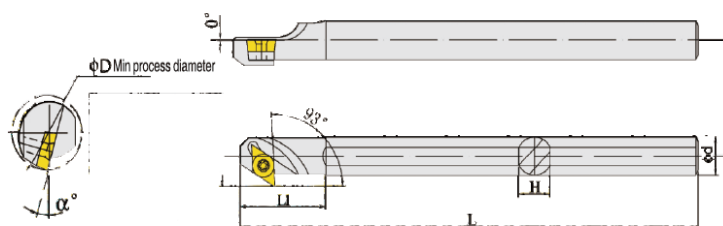
Tool Holder

S**-SDQCR/L



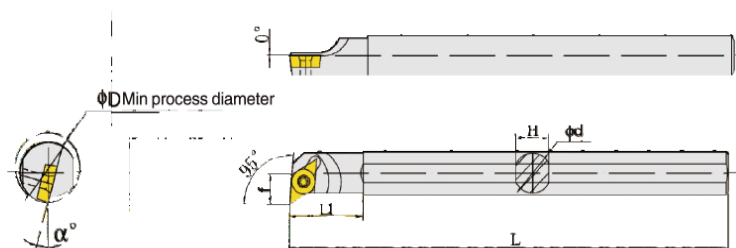
Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	α°			
S08K-SDQCR/L07	13	8	6	125	20	7	13	DC**0702	M2.5*6	T-8
S10K-SDQCR/L07	16	10	7	125	23	9	12			
S12M-SDQCR/L07	20	12	9	150	30	11	10			
S16Q-SDQCR/L11	25	16	11	180	30	15	10	DC**11T3	M3.5*8	T-15
S20Q-SDQCR/L11	28	20	13	180	39	18	8			
S20R-SDQCR/L11	38	20	13	200	39	18	8			
S25R-SDQCR/L11	33	25	16	200	40	23	6			
S25S-SDQCR/L11	33	25	16	250	40	23	6			
S32S-SDQCR/L11	41	32	20	250	43	29	4			
S32T-SDQCR/L11	41	32	20	300	43	29	4			

S**-SDZCR/L



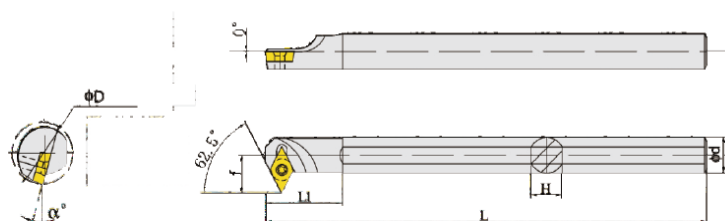
Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	α°			
S10K-SDZCR/L07	16	10	8	125	28	9	12	DC**0702	M2.5*6	T-8
S12M-SDZCR/L07	18	12	9	150	30	11	10			
S16Q-SDZCR/L07	22	16	11	180	30	15	10			
S16Q-SDZCR/L11	24	16	12	180	35	15	10	DC**11T3	M3.5*8	T-15
S20R-SDZCR/L11	28	20	13	200	40	18	8			
S25S-SDZCR/L11	34	25	16	250	45	23	6			
S32T-SDZCR/L11	38	32	20.5	300	50	29	4			

S**-SDUCR/L



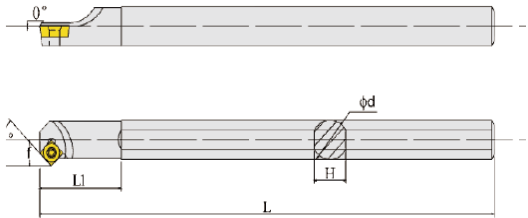
Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	α°			
S08K-SDUCR/L07	13	8	7	125	25	9	13	DC**0702	M2.5*6	T-8
S10K-SDUCR/L07	15	10	8	125	25	9	12			
S12M-SDUCR/L07	17	12	9	150	28	11	10			
S16Q-SDUCR/L11	23	16	11.5	180	30	15	10	DC**11T3	M3.5*8	T-15
S20Q-SDUCR/L11	25	20	13	180	35	18	8			
S20R-SDUCR/L11	25	20	13	200	35	18	8			
S25R-SDUCR/L11	32	25	16	200	40	23	6			
S25S-SDUCR/L11	32	25	16	250	40	23	6			
S32S-SDUCR/L11	39	32	20	250	45	29	4			
S32T-SDUCR/L11	39	32	20	300	45	29	4			

S**-SDWCR/L



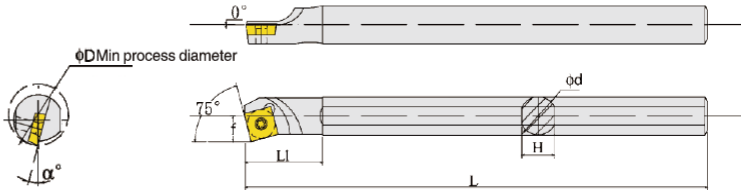
Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	α°			
S10K-SDWCR/L07	16	10	8	125	28	9	12	DC**0702	M2.5*6	T-8
S12M-SDWCR/L07	18	12	9	150	30	11	10			
S16Q-SDWCR/L07	22	16	11	180	30	15	10			
S16Q-SDWCR/L11	24	16	12	180	35	15	10	DC**11T3	M3.5*8	T-15
S20R-SDWCR/L11	28	20	13	200	40	18	8			
S25S-SDWCR/L11	34	25	16	250	45	23	6			
S32T-SDWCR/L11	38	32	20.5	300	50	29	4			

S**-SSSCR/L

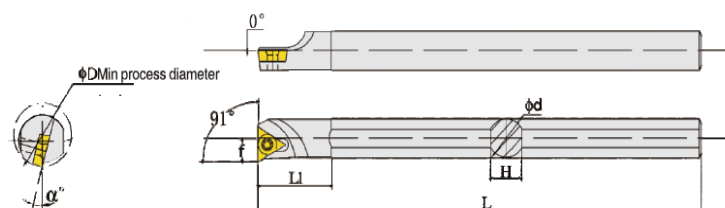
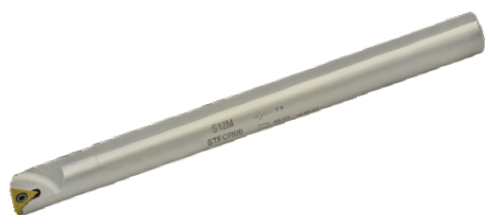


Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	a°			
S12M-SSSCR/L09	16	12	8.5	150	30	11	12			
S16Q-SSSCR/L09	22	16	11.5	180	35	15	10			
S20R-SSSCR/L09	26	20	13.5	200	40	18	8			
S25S-SSSCR/L09	31	25	16	250	40	23	6			
S20R-SSSCR/L12	26	20	14	200	40	15	8			
S25S-SSSCR/L12	31	25	16.5	250	40	23	6			

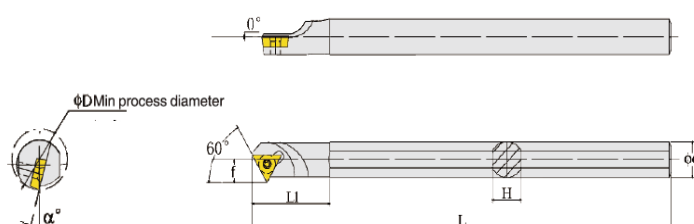
S**-SSKCR/L



Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	a°			
S12M-SSKCR/L09	16	12	8.5	150	30	11	12			
S16Q-SSKCR/L09	22	16	11.5	180	35	15	10			
S20R-SSKCR/L09	26	20	13.5	200	40	18	8			
S25S-SSKCR/L09	31	25	16	250	40	23	6			
S20R-SSKCR/L12	26	20	14	200	40	15	8			
S25S-SSKCR/L12	31	25	16.5	250	40	23	6			

S-STFCR/L**

Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	a°			
S10K-STFCR/L09	13	10	5	125	24	9	13	TC**0902	M2.2*6	T-6
S12M-STFCR/L09	16	12	7	150	27	11	10			
S10K-STFCR/L11	13	10	5	125	24	9	13	TC**1102	M2.5*6	T-8
S12M-STFCR/L11	16	12	7	150	27	11	10			
S16Q-STFCR/L11	20	16	9	180	30	15	8			
S20R-STFCR/L11	25	20	11	200	35	18	6			
S20R-STFCR/L16	25	20	11.5	200	40	18	8	TC**16T3	M3.5*8	T-15
S25S-STFCR/L16	31	25	14	250	40	23	4			
S32T-STFCR/L16	39	32	17.5	300	45	29	4			

S-STWCR/L**

Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	a°			
S08K-STWCR/L09	10.5	8	5	125	23	7	15	TC**0902	M2.2*6	T-6
S10K-STWCR/L09	13	10	6	125	24	9	13			
S10K-STWCR/L11	13	10	5	125	24	9	13	TC**1102	M2.5*6	T-8
S12M-STWCR/L11	16	12	7	150	27	11	10			
S14N-STWCR/L11	18	14	7	160	30	13	10			
S16Q-STWCR/L11	20	16	9	180	30	15	8			
S20R-STWCR/L16	25	20	11.5	200	40	18	8	TC**16T3	M3.5*8	T-15
S25S-STWCR/L16	31	25	14	250	40	23	4			

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

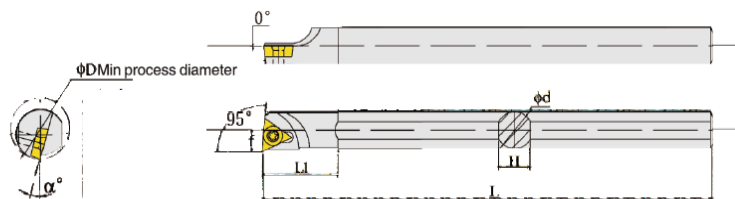
End Mill

Drill & Tap

Drilling & Boring

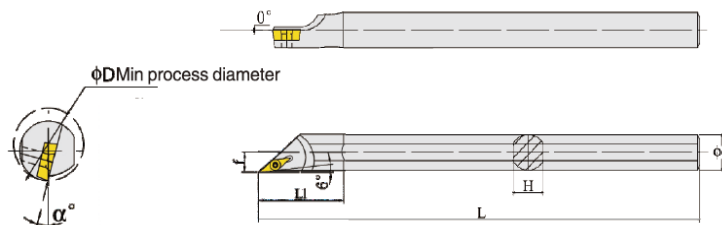
Tool Holder

S**-STUCR/L



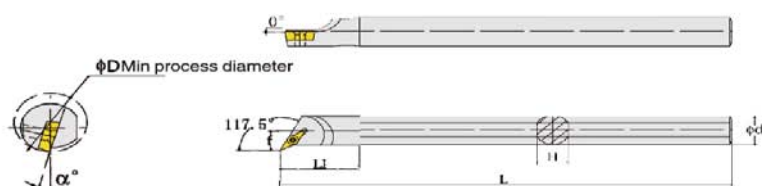
Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	a°			
S06H-STUCR/L06	8	6	3.5	100	15	5	15	TB**0601	M1.8*3	T-6
S08K-STUCR/L09	10.5	8	5	125	23	7	15			
S10K-STUCR/L09	13	10	6	125	24	9	13			
S12M-STUCR/L09	16	12	7	150	27	11	10	TC**0902	M2.2*6	T-6
S12M-STUCR/L11	16	12	7	150	27	11	10			
S16Q-STUCR/L11	20	16	9	180	30	15	8			
S20R-STUCR/L11	25	20	11	200	35	18	6	TC**1102	M2.5*6	T-8
S20R-STUCR/L16	25	20	11.5	200	40	18	8			
S25S-STUCR/L16	31	25	14	250	40	23	4			
S32T-STUCR/L16	39	32	17.5	300	45	29	4	TC**16T3	M3.5*8	T-15

S**-SVXB(C)R/L

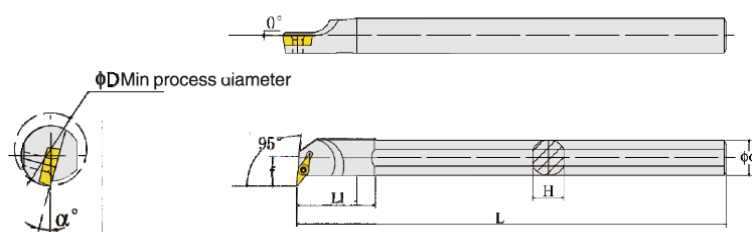


Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	a°			
S16Q-SVXBR/L11	20	16	9.5	180	35	15	12	VB**1103	M2.5*6	T-8
S20R-SVXBR/L11	23	20	11.5	200	39	18	12			
S20R-SVXBR/L16	23	20	11.5	200	50	18	12			
S25S-SVXBR/L16	30	25	14	250	50	23	8	VB**1604	M3.5*8	T-15
S32T-SVXBR/L16	35	32	17.5	300	55	29	8			

S16Q-SVXCR/L11	20	16	9.5	180	35	15	8	VC**1103	M2.5*6	T-8
S20R-SVXCR/L11	23	20	11.5	200	39	18	6			
S20R-SVXCR/L16	23	20	11.5	200	50	18	8			
S25S-SVXCR/L16	30	25	14	250	50	23	6	VC**1604	M3.5*8	T-15
S32T-SVXCR/L16	35	32	17.5	300	55	29	8			

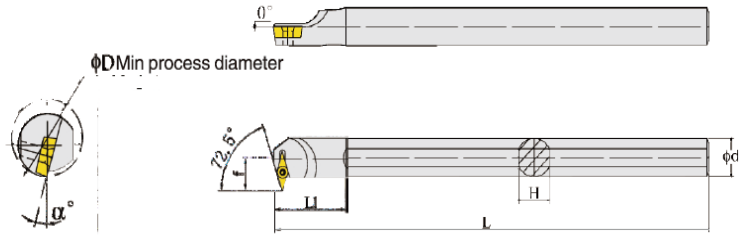
S-SVQB(C)R/L**

Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	α°			
S16Q-SVQBR/L11.	22	16	11.5	180	35	15	12	VB**1103	M2.5*6	T-8
S20R-SVQBR/L11.	27	20	14	200	39	18	12			
S20R-SVQBR/L16.	27	20	14	200	50	18	12	VB**1604	M3.5*8	T-15
S25S-SVQBR/L16.	32	25	16.5	250	50	23	8			
S32T-SVQBR/L16.	41	32	22.5	300	55	29	8			
S16Q-SVQCR/L11	22	16	11.5	180	35	15	8	VC**1103	M2.5*6	T-8
S20R-SVQCR/L11	27	20	14	200	39	18	6			
S20R-SVQCR/L16	27	20	14	200	50	18	8	VC**1604	M3.5*8	T-15
S25S-SVQCR/L16	32	25	16.5	250	50	23	6			
S32T-SVQCR/L16	41	32	22.5	300	55	29	8			

S-SVUCR/L**

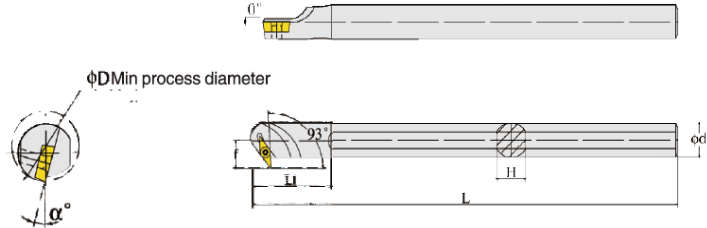
Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	α°			
S16Q-SVUBR/L11	22	16	11.5	180	35	15	12	VB**1103	M2.5*6	T-8
S20R-SVUBR/L11	27	20	14	200	39	18	12			
S20R-SVUBR/L16	27	20	14	200	50	18	12	VB**1604	M3.5*8	T-15
S25S-SVUBR/L16	32	25	16.5	250	50	23	8			
S32T-SVUBR/L16	41	32	22.5	300	55	29	8			
S16Q-SVUCR/L11	22	16	11.5	180	35	15	8	VC**1103	M2.5*6	T-8
S20R-SVUCR/L11	27	20	14	200	39	18	6			
S20R-SVUCR/L16	27	20	14	200	50	18	8	VC**1604	M3.5*8	T-15
S25S-SVUCR/L16	32	25	16.5	250	50	23	6			
S32T-SVUCR/L16	41	32	22.5	300	55	29	8			

S**-SVWB(C)R/L



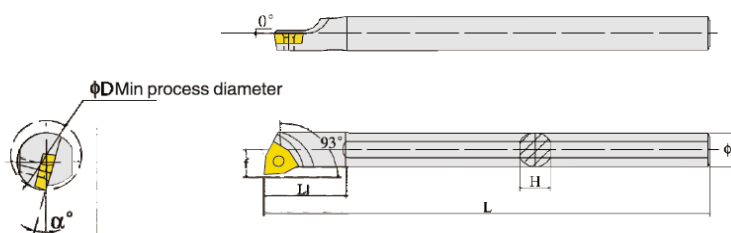
Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	a°			
S25S-SVWBR/L16	38	25	23	250	35	23	6	VB**1604	M3.5*8	T-15
S32T-SVWBR/L16	45	32	26	300	40	29	6			
S25S-SVWCR/L16	38	25	23	250	35	23	4	VC**1604	M3.5*8	T-15
S32T-SVWCR/L16	45	32	26	300	40	29	4			

S**-SVZB(C)R/L



Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	a°			
S16Q-SVZBR/L11	22	16	11.5	180	35	15	12	VB**1103	M2.5*6	T-8
S20R-SVZBR/L11	27	20	14	200	39	18	12			
S20R-SVZBR/L16	27	20	14	200	50	18	12	VB**1604	M3.5*8	T-15
S25S-SVZBR/L16	32	25	16.5	250	50	23	8			
S32T-SVZBR/L16	41	32	22.5	300	55	29	8			
S16Q-SVZCR/L11	22	16	11.5	180	35	15	8	VC**1103	M2.5*6	T-8
S20R-SVZCR/L11	27	20	14	200	39	18	6			
S20R-SVZCR/L16	27	20	14	200	50	18	8	VC**1604	M3.5*8	T-15
S25S-SVZCR/L16	32	25	16.5	250	50	23	6			
S32T-SVZCR/L16	41	32	22.5	300	55	29	8			

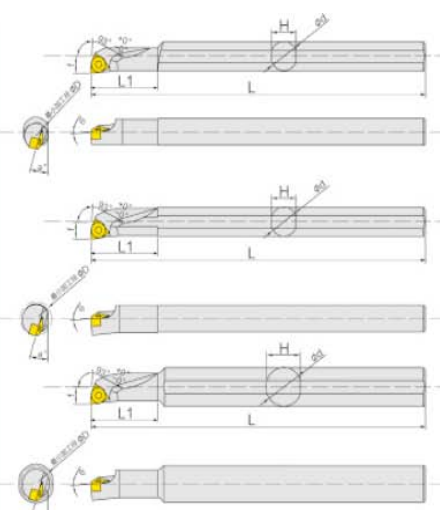
S**-SWLCR/L



Ordering Code	Dimensions(mm)							Insert	Screw	Wrench
	D	d	f	L	L1	H	a°			
S08K-SWLCR/L04	10.5	8	5.5	125	25	7	13	WC**0402	M2.5*6	T-15
S10K-SWLCR/L04	13	10	6.5	125	30	9	10	WC**0402	M2.5*6	T-15
S12M-SWLCR/L06	16	12	8	150	37	11	13	WC**06T2	M3.5*8	T-15
S16Q-SWLCR/L06	20	16	10	180	40	15	10	WC**06T2	M3.5*8	T-15
S20R-SWLCR/L08	25	20	12	200	45	19	8	WC**0804	M5*12	T-20
S25S-SWLCR/L08	31	25	14.5	250	45	24	6	WC**0804	M5*12	T-20

SWUNR/L

New



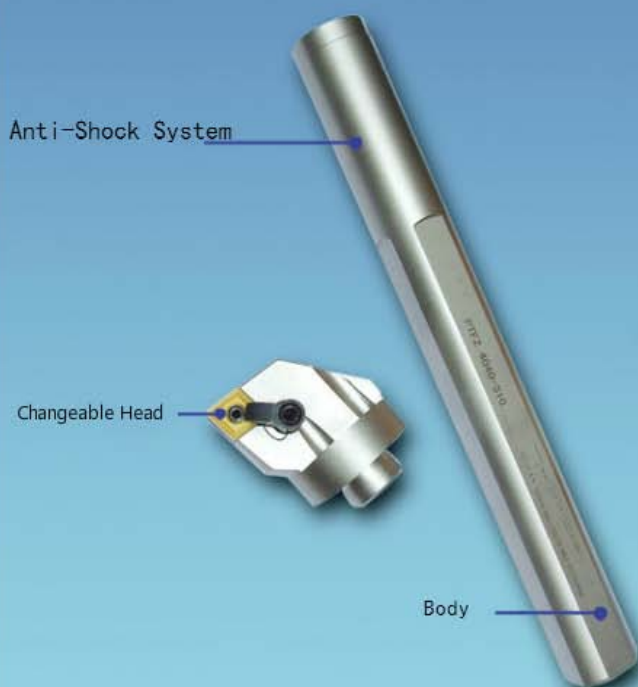
型 号 Model		φD	φd	f	L	L1	H	a°	螺 丝 Screw	扳 手 Wrench
S10K-SWUNR/L 04	WNMU0403□□	13	10	6	125	25	9	4	M2.5*7	T-8
S12M-SWUNR/L 04		15	12	7	150	30	11	4		
S14N-SWUNR/L 04		17	14	8	160	35	13	4		
S16Q-SWUNR/L 04		19	16	9	180	40	15	4		
S16Q-SWUNR/L 06	WNMU06T3□□	19	16	9	180	40	15	6	M3.5*9	T-10
S18Q-SWUNR/L 06		21	18	10	180	40	17	6		
S20R-SWUNR/L 06		23	20	11	200	45	18	6		
S25S-SWUNR/L 06		28	25	13.5	250	45	23	6		
S10K-SWUNR/L 04-10	WNMU0403□□	10	10	6	125	25	9	4	M2.5*7	T-8
S12M-SWUNR/L 04-11		11	12	7	150	30	11	4		
S14N-SWUNR/L 04-13		13	14	8	160	35	13	4		
S16Q-SWUNR/L 04-15		15	16	9	180	40	15	4		
S16Q-SWUNR/L 06-15	WNMU06T3□□	15	16	9	180	40	15	6	M3.5*9	T-10
S18Q-SWUNR/L 06-17		17	18	10	180	42.5	17	6		
S20R-SWUNR/L 06-19		19	20	11	200	47.5	18	6		
S25S-SWUNR/L 06-24		24	25	13.5	250	60	23	6		
S1016M-SWUNR/L 04	WNMU0403□□	13	16	6	150	25	15	4	M2.5*7	T-8
S1216M-SWUNR/L 04		15	16	7	150	30	15	4		
S1416M-SWUNR/L 04		17	16	8	150	35	15	4		
S1020M-SWUNR/L 04		13	20	6	150	25	18	4		
S1220M-SWUNR/L 04		15	20	7	150	30	18	4		
S1420M-SWUNR/L 04		17	20	8	150	35	18	4		
S1620M-SWUNR/L 04		19	20	9	150	40	18	4		
S1820M-SWUNR/L 04		21	20	10	150	45	18	4		



NEW!

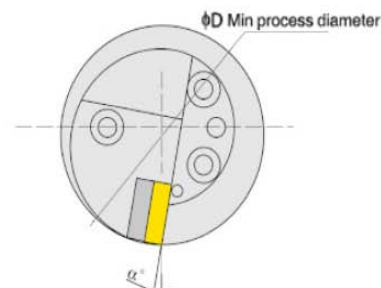
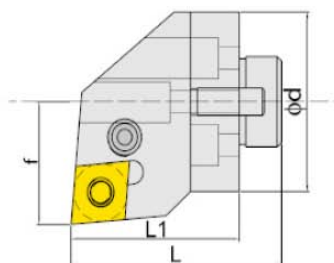
Anti-Shock Boring Bar

- Changeable Head



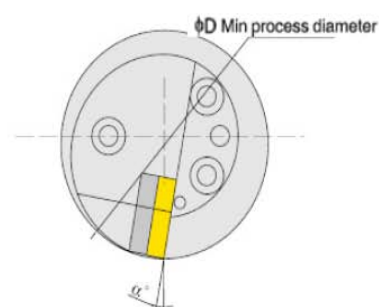
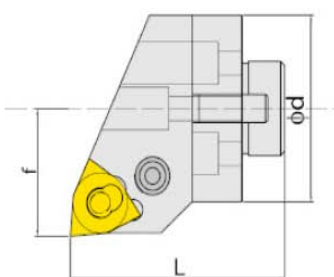
Boring Head (For anti-vibration tool rod)

PCLNR/L



Model	Insert	Dimension						Lever	Screw	Pad	Shim	Wrench	
		ΦD	Φd	L	L1	f	a°						
TH32-PCLNR/L 12	CN□□1204□□	40	32	50	40	22.5	10						
TH40-PCLNR/L 12		50	40	50	40	27	10						
TH50-PCLNR/L 12		60	50	50	40	32	10						
								GGX0514 NLJ0820-P CN1203-P DX0606 L3.0					

PWLNR/L



Model	Insert	Dimension						Lever	Screw	Pad	Shim	Wrench
		ΦD	Φd	L	L1	f	a°					
TH32-PWLNR/L 08	WN□□0804□□	40	32	50	40	22.5	10					
TH40-PWLNR/L 08		50	40	50	40	27	10					
TH50-PWLNR/L 08		60	50	50	40	32	10					
								GGX0514 NLJ0820-P WN0803-P DX0606 L3.0				

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

End Mill

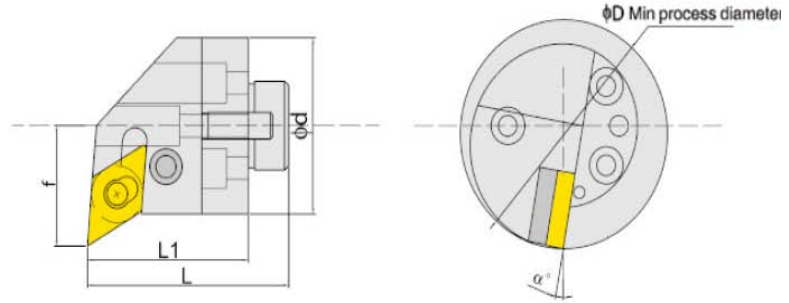
Drill & Tap

Drilling & Boring

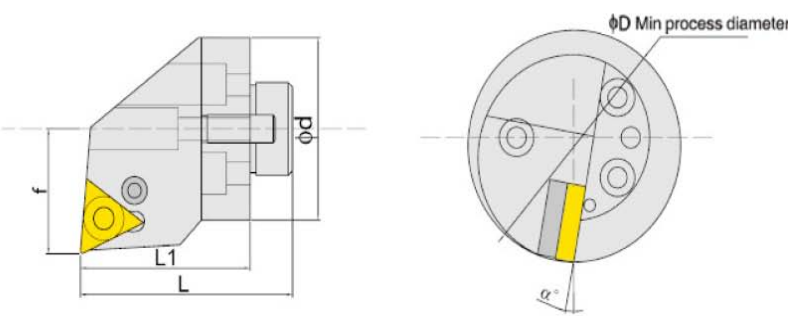
Tool Holder

Turning Insert
External Turning Holder
Internal Turning Holder
Grooving & Parting
Milling
Threading
End Mill
Drill & Tap
Drilling & Boring
Tool Holder

Boring Head (For anti-vibration tool rod)



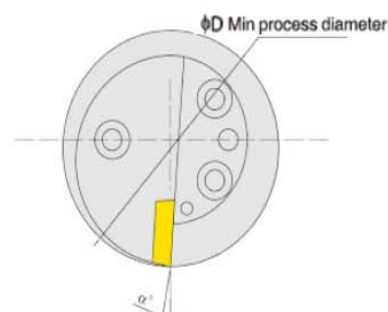
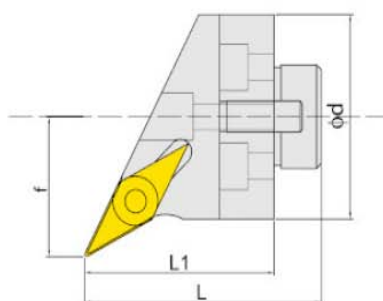
Model	Insert	Dimension						Lever	Screw	Pad	Shim	Wrench
		ϕD	ϕd	L	L1	f	α°					
TH32-PDUNR/L 15	DN□□1504□□	40	32	50	40	22.5	10	GGX0514D	NLJ0821-P	DN1503-P	DX0606	L3.0
TH40-PDUNR/L 15		50	40	50	40	27	10					
TH50-PDUNR/L 15		60	50	50	40	32	10					



Model	Insert	Dimension						Lever	Screw	Pad	Shim	Wrench
		ϕD	ϕd	L	L1	f	α°					
TH32-PTUNR/L 16	TN□□1604□□	40	32	50	40	22.5	10	GGX0310	NLJ0618-P	TN1603-P	DX0505	L3.0
TH40-PTUNR/L 16		50	40	50	40	27	10					
TH50-PTUNR/L 16		60	50	50	40	32	10					

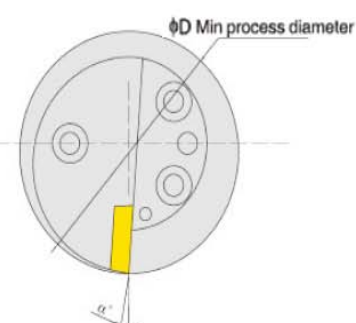
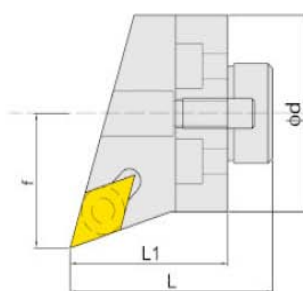
Boring Head (For anti-vibration tool rod)

SVQCR/L



Model		φD	φd	L	L1	f	α°	Screw	Wrench
TH32-SVQCR/L 16	VC□□1604□□	40	32	50	40	22.5	4		
TH40-SVQCR/L 16		50	40	50	40	27	4	M3.5*8	T15
TH50-SVQCR/L 16		60	50	50	40	32	4		

SDQCR/L



Model		φD	φd	L	L1	f	α°	Screw	Wrench
TH32-SDQCR/L 11	DC□□11T3□□	40	32	45	35	22.5	4		
TH40-SDQCR/L 11		50	40	45	35	27	4	M3.5*8	T15
TH50-SDQCR/L 11		60	50	50	40	32	4		

Turning Insert

External Turning Holder

Internal Turning Holder

Grooving & Parting

Milling

Threading

End Mill

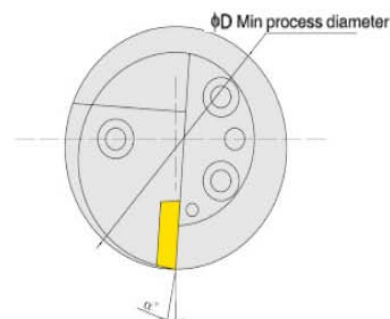
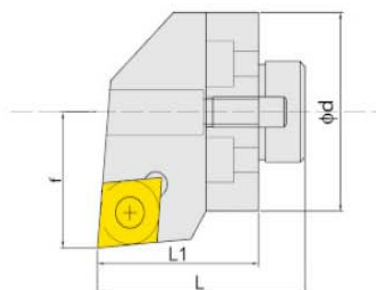
Drill & TAP

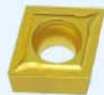
Drilling & Boring

Tool Holder

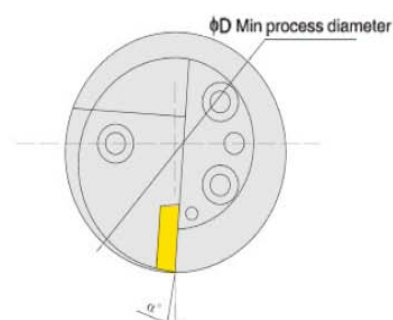
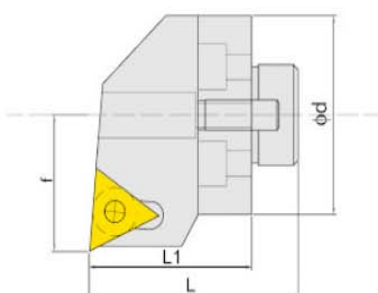
Boring Head (For anti-vibration tool rod)

SCLCR/L



Model		ϕD	ϕd	L	L1	f	a°	Screw 	Wrench 
TH32-SCLCR/L 12	CC□□1204□□	40	32	45	35	22.5	4	M5*12	T20
TH40-SCLCR/L 12		50	40	45	35	27	4		
TH50-SCLCR/L 12		60	50	50	40	32	4		

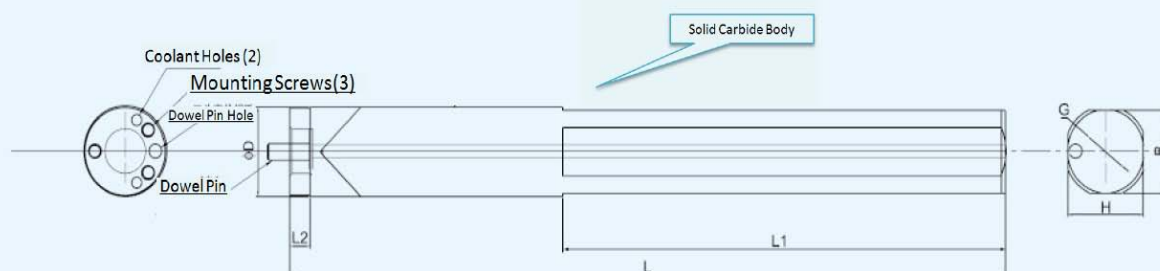
STUCR/L



Model		ϕD	ϕd	L	L1	f	a°	Screw 	Wrench 
TH32-STUCR/L 16	TC□□16T3□□	40	32	45	35	22.5	4	M3.5*8	T15
TH40-STUCR/L 16		50	40	45	35	27	4		
TH50-STUCR/L 16		60	50	50	40	32	4		

Boring Tool Rod (to fit with boring head) - Solid Carbide

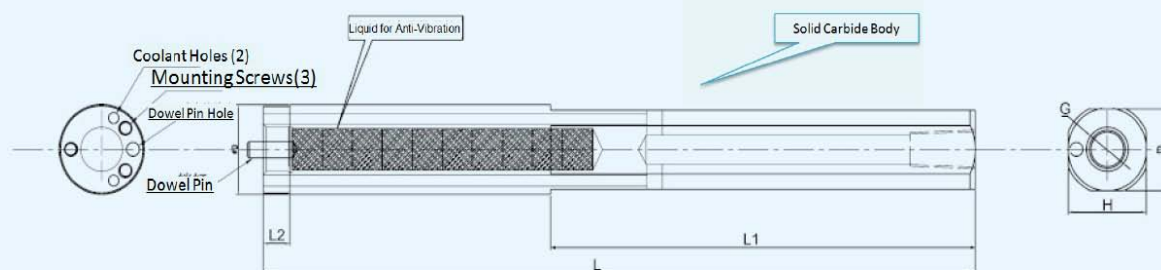
WGFZ



型号 Model	∅D	H	B	L	L1	L2	G	螺丝 Screw	扳手 Wrench
WGFZ-3232-310	32	29	30	310	200	8		0520 0530 0620 0630	L4.0 L5.0
WGFZ-4040-360	40	36	38	360	250	8	ZG1/4		
WGFZ-5050-460	50	46	48	460	320	8			

Boring Tool Rod (to fit with boring head) - Solid Carbide

PTFZ



型号 Model	∅D	B	L	L1	L2	螺丝 Screw	扳手 Wrench
PTFZ 3232-200-A	32	29	200	140	8	0520 0530 0620 0630	L4.0 L5.0
PTFZ 3232-310-A	32	29	360	250	8		
PTFZ 4040-200-A	40	36	200	140	8		
PTFZ 4040-360-A	40	36	360	250	8		
PTFZ 5050-460-A	50	46	460	320	8		
PTFZ 3232-160	32	29	160	100	8		
PTFZ 3232-200	32	29	200	140	8		
PTFZ 3232-250	32	29	250	190	8		
PTFZ 3232-310	32	29	310	250	8		
PTFZ 4040-160	40	36	160	100	8		
PTFZ 4040-200	40	36	200	140	8	0620 0630	L5.0
PTFZ 4040-250	40	36	250	190	8		
PTFZ 4040-310	40	36	310	250	8		
PTFZ 5050-250	50	46	250	190	8		
PTFZ 5050-310	50	46	310	250	8		
PTFZ 5050-360	50	46	360	310	8		