

PRODUCT CATALOG

2024

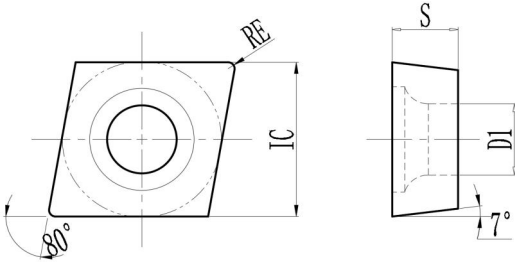
TURNING THREADING PARTING & GROOVING
MILLING DRILLING BROING

✉ edison@preciturntools.com

🌐 <https://www.preciturntools.com>



CCGT.80°



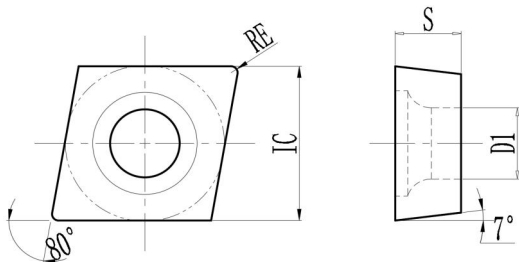
Model	IC	S	DI
CC_0602_	6.35	2.38	2.8
CC_09T3_	9.525	3.97	4.4

Use taxonomies			
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting

P	Carbon steel/alloy steel			◐	◐	
M	Stainless steel			◐	◐	
N	Non ferrous metals				◐	
S	Titanium alloy			◐	◐	
H	High hardness materials					

Shape	Model	RE	PVD Coated			
			SSG20	BEG20	SSG20	BEG20
	CCGT060201-QC	0.1	●	●	●	●
	CCGT060202-QC	0.2	●	●	●	●
	CCGT09T301-QC	0.1	●	●	●	●
	CCGT09T302-QC	0.2	●	●	●	●
	CCGT09T301-QY	0.1	●	●	●	●
	CCGT09T302-QY	0.2	●	●	●	●
	CCGT0602005 R/L-S	0.05	●	●	●	●
	CCGT060201 R/L-S	0.1	●	●	●	●
	CCGT060202 R/L-S	0.2	●	●	●	●
	CCGT060204 R/L-S	0.4	●	●	●	●
	CCGT09T3005 R/L-S	0.05	●	●	●	●
	CCGT09T301 R/L-S	0.1	●	●	●	●
	CCGT09T302 R/L-S	0.2	●	●	●	●
	CCGT09T304 R/L-S	0.4	●	●	●	●

CCGT.80°



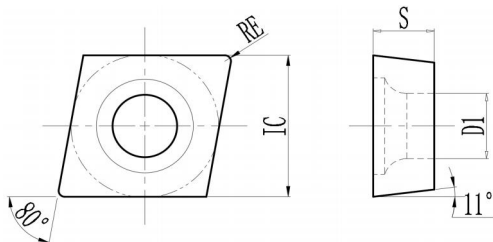
Model	IC	S	DI
CC_0602_	6.35	2.38	2.8
CC_09T3_	9.525	3.97	4.4

Use taxonomies				
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting	

		●	○	◐	⊕	
P	Carbon steel/alloy steel	●	●	◐	⊕	◐
M	Stainless steel	●	●	◐	⊕	
N	Non ferrous metals		●		⊕	
S	Titanium alloy	●	●	◐	⊕	
H	High hardness materials					

Shape	Model	RE	PVD Coated				cermet
			SSJ20	BEJ20	SSG20	BEG20	QT20
	CCGT0602005 R/L-Y	0.05	●	●	●	●	●
	CCGT060201 R/L-Y	0.1	●	●	●	●	●
	CCGT060202 R/L-Y	0.2	●	●	●	●	●
	CCGT060204 R/L-Y	0.4	●	●	●	●	●
	CCGT09T3005 R/L-Y	0.05	●	●	●	●	●
	CCGT09T301 R/L-Y	0.1	●	●	●	●	●
	CCGT09T302 R/L-Y	0.2	●	●	●	●	●
	CCGT09T304 R/L-Y	0.4	●	●	●	●	●
	CCGT0602005 R/L-U	0.05	●	●	●	●	●
	CCGT060201 R/L-U	0.1	●	●	●	●	●
	CCGT060202 R/L-U	0.2	●	●	●	●	●
	CCGT060204 R/L-U	0.4	●	●	●	●	●
	CCGT09T3005 R/L-U	0.05	●	●	●	●	●
	CCGT09T301 R/L-U	0.1	●	●	●	●	●
	CCGT09T302 R/L-U	0.2	●	●	●	●	●
	CCGT09T304 R/L-U	0.4	●	●	●	●	●

CPGH.80°


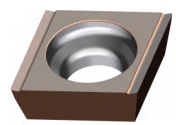


Model	IC	S	DI
CP_0401_	4.3	1.8	2.3

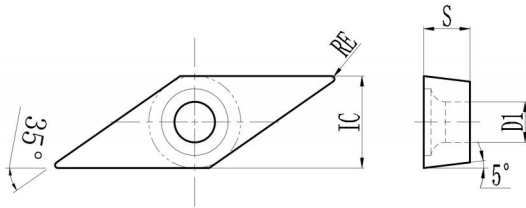
Use taxonomies

● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting
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P	Carbon steel/alloy steel	◐
M	Stainless steel	
N	Non ferrous metals	
S	Titanium alloy	
H	High hardness materials	

Shape	Model	RE	cermet	
			Material	Performance
	CPGH040101 R/L-S	0.1	QT20	●
	CPGH040102 R/L-S	0.2	QT20	●
	CPGH040104 R/L-S	0.4	QT20	●
	CPGH040101 R/L-Y	0.1	QT20	●
	CPGH040102 R/L-Y	0.2	QT20	●
	CPGH040104 R/L-Y	0.4	QT20	●

VBGT.35°



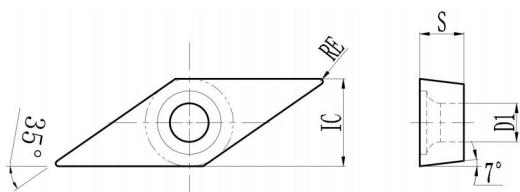
Model	IC	S	D1
VB_1103_	6.35	3.18	2.8
VB_1604_	9.525	4.76	4.4

Use taxonomies			
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting

P	Carbon steel/alloy steel	●	◐	◐
M	Stainless steel	●	◐	◐
N	Non ferrous metals	●		◐
S	Titanium alloy	●	◐	◐
H	High hardness materials			

Shape	Model	RE	PVD Coated	
			SSG20	BEG20
	VBGT110302-QC	0.2	●	●
	VBGT1103005-QY	0.05	●	●
	VBGT110301-QY	0.05	●	●
	VBGT110302-QY	0.05	●	●

VBGT.35°



Model	IC	S	DI
VB_1103_	6.35	3.18	2.8
VB_1604_	9.525	4.76	4.4

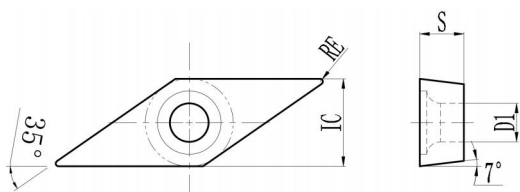
Use taxonomies

● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting
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	Carbon steel/alloy steel	Stainless steel	Non ferrous metals	Titanium alloy	High hardness materials
P	●	●	◐	◐	◐
M	●	●	◐	◐	
N		●		◐	
S	●	●	◐	◐	
H					

Shape	Model	RE	PVD Coated				
			SSJ20	BEJ20	SSG20	BEG20	QT20
	VBGT1103005 R/L-S	0.05	●	●	●	●	●
	VBGT110301 R/L-S	0.1	●	●	●	●	●
	VBGT110302 R/L-S	0.2	●	●	●	●	●
	VBGT110304 R/L-S	0.4	●	●	●	●	●
	VBGT1103005 R/L-Y	0.05	●	●	●	●	●
	VBGT110301 R/L-Y	0.1	●	●	●	●	●
	VBGT110302 R/L-Y	0.2	●	●	●	●	●
	VBGT110304 R/L-Y	0.4	●	●	●	●	●
	VBGT1103005 R/L-U	0.05	●	●	●	●	●
	VBGT110301 R/L-U	0.1	●	●	●	●	●
	VBGT110302 R/L-U	0.2	●	●	●	●	●
	VBGT110304 R/L-U	0.4	●	●	●	●	●

VCGT.35°



Model	IC	S	DI
VB_1103_	6.35	3.18	2.8
VB_1604_	9.525	4.76	4.4

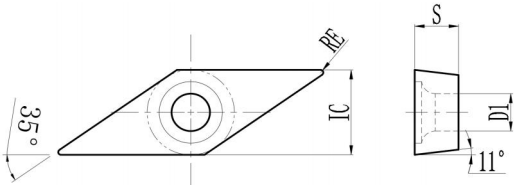
Use taxonomies

● : First choice/continuous cutting ○ : Option/continuous cutting ◐ : light interrupted cutting ⊕ : interrupted cutting

	Carbon steel/alloy steel	Stainless steel	Non ferrous metals	Titanium alloy	High hardness materials
P	●	●	◐	◐	
M	●	●	◐	◐	
N			◐	◐	
S	●	●	◐	◐	
H					

Shape	Model	RE	PVD Coated				
			SSJ20	BEJ20	SSG20	BEG20	QT20
	VBGT1103005-QY	0.05	●	●	●	●	
	VBGT110301-QY	0.1	●	●	●	●	
	VBGT110302-QY	0.2	●	●	●	●	
	VCGT1103005 R/L-S	0.05	●	●	●	●	●
	VCGT110301 R/L-S	0.1	●	●	●	●	●
	VCGT110302 R/L-S	0.2	●	●	●	●	●
	VCGT110304 R/L-S	0.4	●	●	●	●	●
	VCGT1103005 R/L-Y	0.05	●	●	●	●	●
	VCGT110301 R/L-Y	0.1	●	●	●	●	●
	VCGT110302 R/L-Y	0.2	●	●	●	●	●
	VCGT110304 R/L-Y	0.4	●	●	●	●	●
	VCGT1103005 R/L-U	0.05	●	●	●	●	●
	VCGT110301 R/L-U	0.1	●	●	●	●	●
	VCGT110302 R/L-U	0.2	●	●	●	●	●
	VCGT110304 R/L-U	0.4	●	●	●	●	●

VPGT.35°



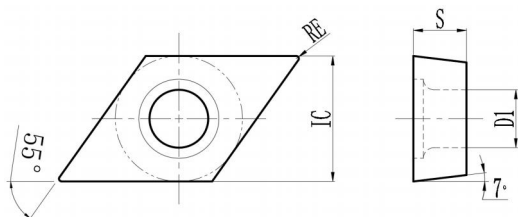
Model	IC	S	D1
VP_1103_	6.35	3.18	2.8

Use taxonomies			
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting

P	Carbon steel/ alloy steel	●	●	◐	◐
M	Stainless steel	●	●	◐	◐
N	Non ferrous metals		●		◐
S	Titanium alloy	●	●	◐	◐
H	High hardness materials				

Shape	Model	RE	PVD Coated			
			SSJ20	BEJ20	SSG20	BEG20
	VPGT1103005 R/L-S	0.05	●	●	●	●
	VPGT110301 R/L-S	0.1	●	●	●	●
	VPGT110302 R/L-S	0.2	●	●	●	●
	VPGT110304 R/L-S	0.4	●	●	●	●
	VPGT1103005 R/L-Y	0.05	●	●	●	●
	VPGT110301 R/L-Y	0.1	●	●	●	●
	VPGT110302 R/L-Y	0.2	●	●	●	●
	VPGT110304 R/L-Y	0.4	●	●	●	●
	VPGT1103005 R/L-U	0.05	●	●	●	●
	VPGT110301 R/L-U	0.1	●	●	●	●
	VPGT110302 R/L-U	0.2	●	●	●	●
	VPGT110304 R/L-U	0.4	●	●	●	●

DCGT.55°



Model	IC	S	DI
DC_0702_	6.35	2.38	2.8
DC_11T3_	9.525	3.97	4.4

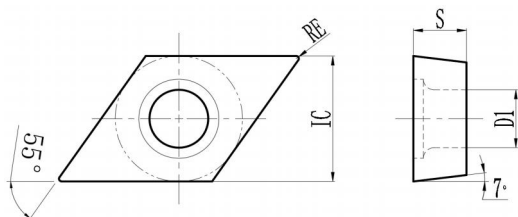
Use taxonomies

● : First choice/continuous cutting ○ : Option/continuous cutting ◐ : light interrupted cutting ⊕ : interrupted cutting

Material	●	○	◐	⊕
P Carbon steel/ alloy steel	●			◐
M Stainless steel	●			◐
N Non ferrous metals				◐
S Titanium alloy	●			◐
H High hardness materials				

Shape	Model	RE	PVD Coated	
			SSG20	BEG20
	DCGT070201-QC	0.1	●	●
	DCGT070202-QC	0.2	●	●
	DCGT11T301-QC	0.1	●	●
	DCGT11T302-QC	0.2	●	●
	DCGT11T304-QC	0.4	●	●
	DCGT070201-QY	0.1	●	●
	DCGT070202-QY	0.2	●	●
	DCGT11T301-QY	0.1	●	●
	DCGT11T302-QY	0.2	●	●

DCGT.55°



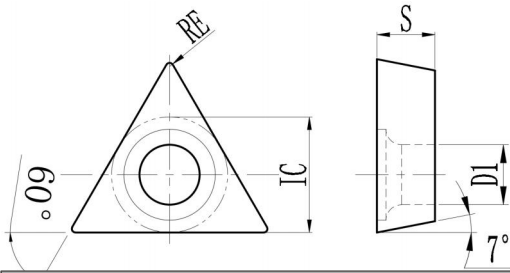
Model	IC	S	D1
DC_0702_	6.35	2.38	2.8
DC_IIT3_	9.525	3.97	4.4

Use taxonomies			
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting

	Carbon steel/ alloy steel	Stainless steel	Non ferrous metals	Titanium alloy	High hardness materials
P	●	●	◐	◐	◐
M	●	●	◐	◐	
N		●		◐	
S	●	●	◐	◐	
H					

Shape	Model	RE	PVD Coated				cermet
			SSJ20	BEJ20	SSG20	BEG20	QT20
	DCGT0702005 R/L-S	0.05	●	●	●	●	●
	DCGT070201 R/L-S	0.1	●	●	●	●	●
	DCGT070202 R/L-S	0.2	●	●	●	●	●
	DCGT070204 R/L-S	0.4	●	●	●	●	●
	DCGTIIT3005 R/L-S	0.05	●	●	●	●	●
	DCGTIIT301 R/L-S	0.1	●	●	●	●	●
	DCGTIIT302 R/L-S	0.2	●	●	●	●	●
	DCGTIIT304 R/L-S	0.4	●	●	●	●	●
	DCGT0702005 R/L-Y	0.05	●	●	●	●	●
	DCGT070201 R/L-Y	0.1	●	●	●	●	●
	DCGT070202 R/L-Y	0.2	●	●	●	●	●
	DCGT070204 R/L-Y	0.4	●	●	●	●	●
	DCGTIIT3005 R/L-Y	0.05	●	●	●	●	●
	DCGTIIT301 R/L-Y	0.1	●	●	●	●	●
	DCGTIIT302 R/L-Y	0.2	●	●	●	●	●
	DCGTIIT304 R/L-Y	0.4	●	●	●	●	●
	DCGT0702005 R/L-U	0.05	●	●	●	●	●
	DCGT070201 R/L-U	0.1	●	●	●	●	●
	DCGT070202 R/L-U	0.2	●	●	●	●	●
	DCGT070204 R/L-U	0.4	●	●	●	●	●
	DCGTIIT3005 R/L-U	0.05	●	●	●	●	●
	DCGTIIT301 R/L-U	0.1	●	●	●	●	●
	DCGTIIT302 R/L-U	0.2	●	●	●	●	●
	DCGTIIT304 R/L-U	0.4	●	●	●	●	●

TCGT.60°



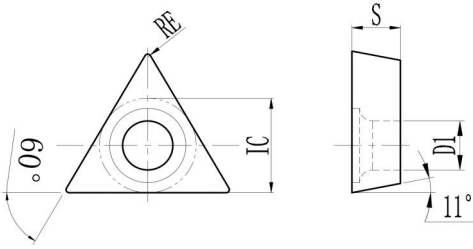
Model	IC	S	DI
TC_1102_	6.35	2.38	2.8

Use taxonomies			
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting

P	Carbon steel/ alloy steel	◐
M	Stainless steel	
N	Non ferrous metals	
S	Titanium alloy	
H	High hardness materials	

Shape	Model	RE	cermet	
				QT20
	TCGT110201 R/L-S	0.1	●	
	TCGT110202 R/L-S	0.2	●	
	TCGT110204 R/L-S	0.4	●	
	TCGT110201 R/L-Y	0.1	●	
	TCGT110202 R/L-Y	0.2	●	
	TCGT110204 R/L-Y	0.4	●	
	TCGT110201 R/L-U	0.1	●	
	TCGT110202 R/L-U	0.2	●	
	TCGT110204 R/L-U	0.4	●	

TPGT.60°



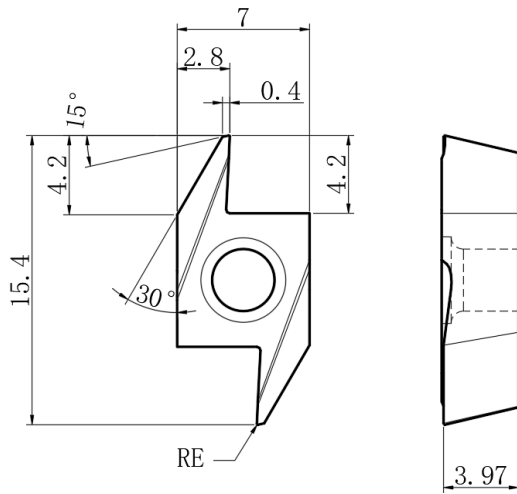
Model	IC	S	D1
TP_0802_	4.76	2.38	2.3
TP_0902_	5.56	2.38	3.0
TP_1103_	6.35	3.18	3.3

Use taxonomies			
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting

P	Carbon steel/alloy steel	◐
M	Stainless steel	
N	Non ferrous metals	
S	Titanium alloy	
H	High hardness materials	

Shape	Model	RE	cermet	
				QT20
	TPGT080201 R/L-S	0.1		●
	TPGT080202 R/L-S	0.2		●
	TPGT080204 R/L-S	0.4		●
	TPGT090201 R/L-S	0.1		●
	TPGT090202 R/L-S	0.2		●
	TPGT090204 R/L-S	0.4		●
	TPGH110301 R/L-S	0.1		●
	TPGH110302 R/L-S	0.2		●
	TPGH110304 R/L-S	0.4		●
	TPGT080201 R/L-Y	0.1		●
	TPGT080202 R/L-Y	0.2		●
	TPGT080204 R/L-Y	0.4		●
	TPGT090201 R/L-Y	0.1		●
	TPGT090202 R/L-Y	0.2		●
	TPGT090204 R/L-Y	0.4		●
	TPGH110301 R/L-Y	0.1		●
	TPGH110302 R/L-Y	0.2		●
	TPGH110304 R/L-Y	0.4		●
	TPGT080201 R/L-U	0.1		●
	TPGT080202 R/L-U	0.2		●
	TPGT080204 R/L-U	0.4		●
	TPGT090201 R/L-U	0.1		●
	TPGT090202 R/L-U	0.2		●
	TPGT090204 R/L-U	0.4		●
	TPGH110301 R/L-U	0.1		●
	TPGH110302 R/L-U	0.2		●
	TPGH110304 R/L-U	0.4		●

QBS Back Turning Inserts

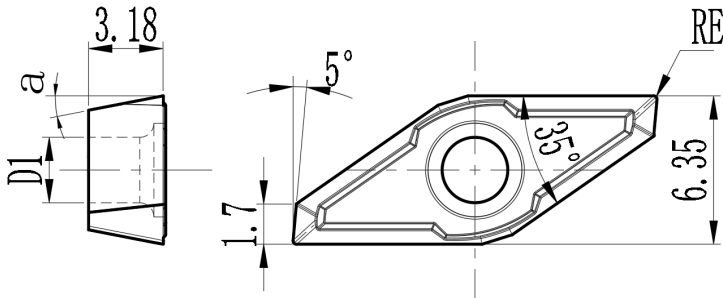


Use taxonomies			
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting

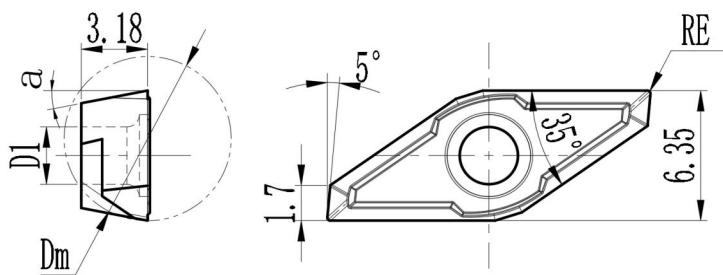
P	Carbon steel/alloy steel	
M	Stainless steel	
S	titanium alloy	
N	Non ferrous metals	⊕

Shape	Model	RE	PVD Coated	
				QD20
	QBS15R4005	0.05	●	
	QBS15R4010	0.1	●	
	QBS15R4015	0.15	●	
	QBS15R4020	0.2	●	
	QBS15R4025	0.25	●	

XP(C)GT1103



Cylindrical and end face machining



Bore processing

Use taxonomies

● : First choice/continuous cutting ○ : Option/continuous cutting ◐ : light interrupted cutting ⊕ : interrupted cutting

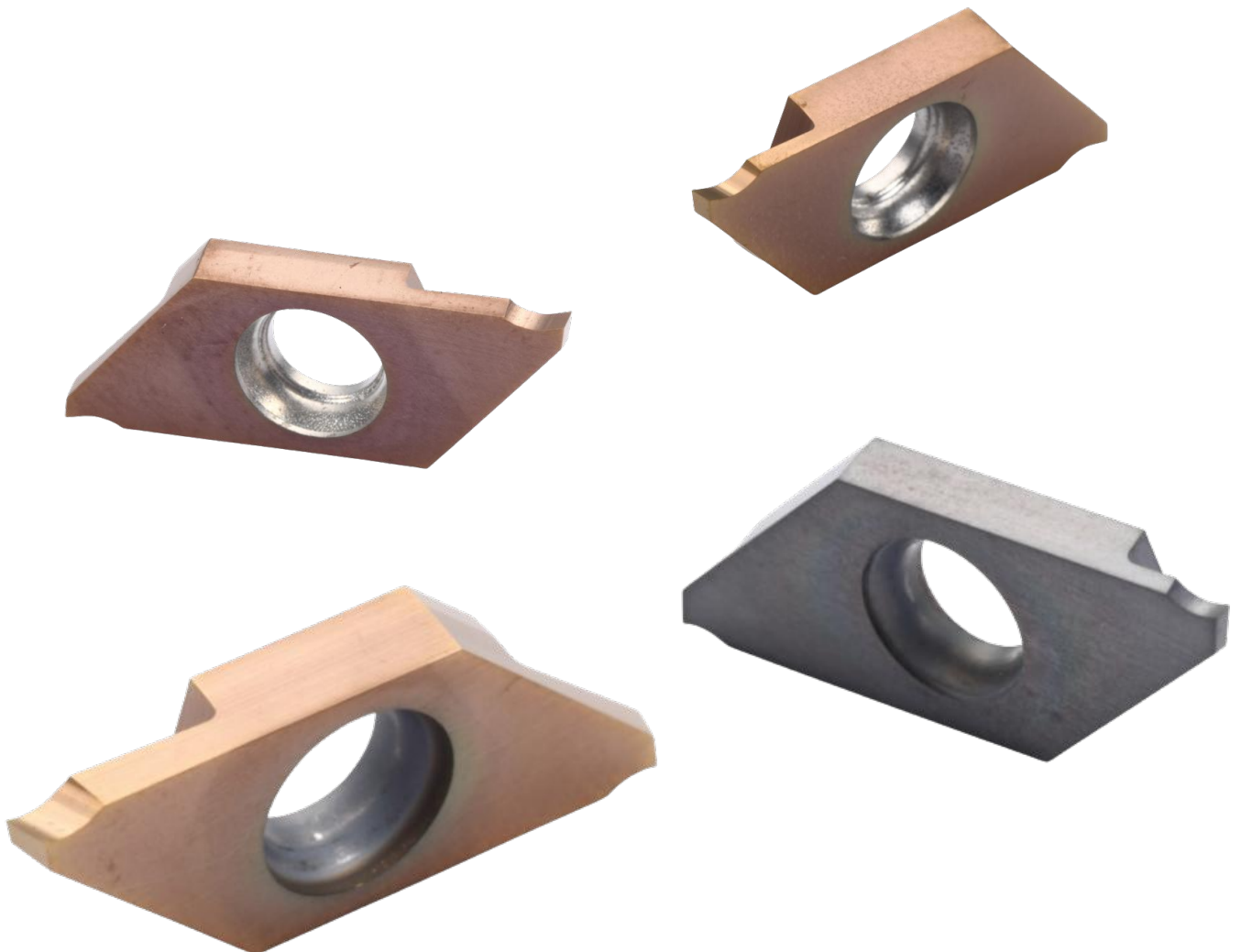
P	Carbon steel/alloy steel	⊕	◐	⊕
M	Stainless steel	⊕	◐	⊕
S	titanium alloy	⊕	◐	⊕
N	Non ferrous metals			

a	Shape	Model	D1	RE	Dm	PVD Coated		
						MZF30TN	MZL30MS	MZC20
7°		XCGT1103005RC-CF	2.8	0.05		●	●	●
7°		XCGT110301RC-CF	2.8	0.1		●	●	●
11°		XPGT1103005R-CF	2.8	0.05	8.0	●	●	●
11°		XPGT110301R-CF	2.8	0.1	8.0	●	●	●

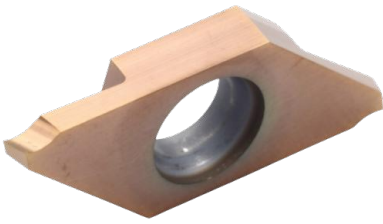
PARTING & GROOVING INSERTS

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🌐 <https://www.preciturntools.com>



QKF12



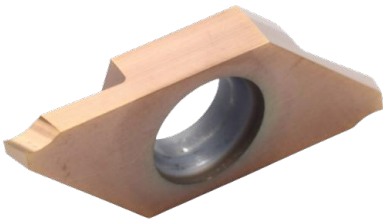
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel			◐	◐	●				◐
M	Stainless steel	◐	●	●	◐					●
K	Cast iron	●		○	●					
N	Non ferrous metals	○		○						
S	titanium alloy	○		●	●					

Shape	Model	Dimensions(mm)									PVD Coated																
		CW	α	RE	wl	S	D1	PSIRA	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0						
	QKF12R/L-050-S-A1516R	0.5	0.5																								
	QKF12R/L-060-S-A1516R	0.6	8.0																								
	QKF12R/L-070-S-A1516R	0.7																									
	QKF12R/L-080-S-A1516R	0.8																									
	QKF12R/L-090-S-A1516R	0.9																									
	QKF12R/L-100-S-A1516R	1.0	12.0																								
	QKF12R/L-110-S-A1516R	1.1																									
	QKF12R/L-120-S-A1516R	1.2		0	3	8.7	5	16°	45°																		
	QKF12R/L-130-S-A1516R	1.3																									
	QKF12R/L-140-S-A1516R	1.4																									
	QKF12R/L-150-S-A1516R	1.5																									
	QKF12R/L-160-S-A1516R	1.6																									
	QKF12R/L-170-S-A1516R	1.7																									
	QKF12R/L-180-S-A1516R	1.8																									
QKF12R/L-190-S-A1516R	1.9																										
QKF12R/L-200-S-A1516R	2.0																										
	QKF12R/L-050-S-A1500R	0.5	5.0																								
	QKF12R/L-060-S-A1500R	0.6	8.0																								
	QKF12R/L-070-S-A1500R	0.7																									
	QKF12R/L-080-S-A1500R	0.8																									
	QKF12R/L-090-S-A1500R	0.9																									
	QKF12R/L-100-S-A1500R	1.0	12.0																								
	QKF12R/L-110-S-A1500R	1.1																									
	QKF12R/L-120-S-A1500R	1.2		0	3	8.7	5	0°	45°																		
	QKF12R/L-130-S-A1500R	1.3																									
	QKF12R/L-140-S-A1500R	1.4																									
	QKF12R/L-150-S-A1500R	1.5																									
	QKF12R/L-160-S-A1500R	1.6																									
	QKF12R/L-170-S-A1500R	1.7																									
	QKF12R/L-180-S-A1500R	1.8																									
QKF12R/L-190-S-A1500R	1.9																										
QKF12R/L-200-S-A1500R	2.0																										

●:First choice ○:Option □:Customized

QKF12



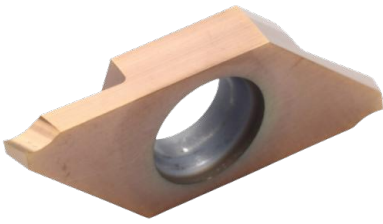
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel			◐	◐	●					◐
M	Stainless steel	◐	●	●	◐						●
K	Cast iron	●			○	●					
N	Non ferrous metals	○			○						
S	titanium alloy	○			●	●					

Shape	Model	Dimensions(mm)									PVD Coated																						
		CW	α	RE	wl	S	D1	PSIRA	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0												
	QKF12 R/L-050-E-A1516R	0.5	0.5																														
	QKF12 R/L-060-E-A1516R	0.6	8.0																														
	QKF12 R/L-070-E-A1516R	0.7																															
	QKF12 R/L-080-E-A1516R	0.8																															
	QKF12 R/L-090-E-A1516R	0.9																															
	QKF12 R/L-100-E-A1516R	1.0	12.0	0.08	3	8.7	5	16°	45°																								
	QKF12 R/L-110-E-A1516R	1.1																															
	QKF12 R/L-120-E-A1516R	1.2																															
	QKF12 R/L-130-E-A1516R	1.3																															
	QKF12 R/L-140-E-A1516R	1.4																															
	QKF12 R/L-150-E-A1516R	1.5																															
	QKF12 R/L-160-E-A1516R	1.6																															
	QKF12 R/L-170-E-A1516R	1.7																															
	QKF12 R/L-180-E-A1516R	1.8																															
QKF12 R/L-190-E-A1516R	1.9																																
QKF12 R/L-200-E-A1516R	2.0																																
	QKF12 R/L-050-E-A1500R	0.5	5.0																														
	QKF12 R/L-060-E-A1500R	0.6	8.0																														
	QKF12 R/L-070-E-A1500R	0.7																															
	QKF12 R/L-080-E-A1500R	0.8																															
	QKF12 R/L-090-E-A1500R	0.9																															
	QKF12 R/L-100-E-A1500R	1.0	12.0	0.08	3	8.7	5	0°	45°																								
	QKF12 R/L-110-E-A1500R	1.1																															
	QKF12 R/L-120-E-A1500R	1.2																															
	QKF12 R/L-130-E-A1500R	1.3																															
	QKF12 R/L-140-E-A1500R	1.4																															
	QKF12 R/L-150-E-A1500R	1.5																															
	QKF12 R/L-160-E-A1500R	1.6																															
	QKF12 R/L-170-E-A1500R	1.7																															
	QKF12 R/L-180-E-A1500R	1.8																															
QKF12 R/L-190-E-A1500R	1.9																																
QKF12 R/L-200-E-A1500R	2.0																																

●:First choice ○:Option □:Customized

QKF12



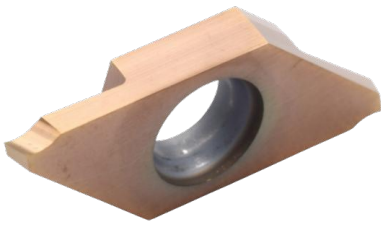
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel			◐	◐	●				◐
M	Stainless steel	◐	●	●	◐					●
K	Cast iron	●		○	●					
N	Non ferrous metals	○		○						
S	titanium alloy	○		●	●					

Shape	Model	Dimensions(mm)									PVD Coated																					
		CW	α	RE	wl	S	DI	PSIRA	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0											
	QKF12 R/L-050-F-A1516R	0.5	0.5																													
	QKF12 R/L-060-F-A1516R	0.6	8.0																													
	QKF12 R/L-070-E-A1516R	0.7																														
	QKF12 R/L-080-E-A1516R	0.8											●	●	●											●						
	QKF12 R/L-090-E-A1516R	0.9																														
	QKF12 R/L-100-E-A1516R	1.0													●	●										●						
	QKF12 R/L-110-E-A1516R	1.1	12.0	0.03	3	8.7	5	16°	45°																							
	QKF12 R/L-120-E-A1516R	1.2														○	●	●	●													●
	QKF12 R/L-130-E-A1516R	1.3																														
	QKF12 R/L-140-E-A1516R	1.4																														
	QKF12 R/L-150-E-A1516R	1.5															○	●	●	●												●
	QKF12 R/L-160-E-A1516R	1.6																														
	QKF12 R/L-170-E-A1516R	1.7																														
	QKF12 R/L-180-E-A1516R	1.8																														
	QKF12 R/L-190-E-A1516R	1.9																														
QKF12 R/L-200-E-A1516R	2.0															○	●	●	●												●	
	QKF12 R/L-050-F-A1500R	0.5	5.0																													
	QKF12 R/L-060-E-A1500R	0.6	8.0																													
	QKF12 R/L-070-E-A1500R	0.7																														
	QKF12 R/L-080-E-A1500R	0.8											●	●	●										●							
	QKF12 R/L-090-E-A1500R	0.9																														
	QKF12 R/L-100-E-A1500R	1.0													●	●	●								●							
	QKF12 R/L-110-E-A1500R	1.1	12.0	0.03	3	8.7	5	0°	45°																							
	QKF12 R/L-120-E-A1500R	1.2														○	●	●	●												●	
	QKF12 R/L-130-E-A1500R	1.3																														
	QKF12 R/L-140-E-A1500R	1.4																														
	QKF12 R/L-150-E-A1500R	1.5															○	●	●	●												●
	QKF12 R/L-160-E-A1500R	1.6																														
	QKF12 R/L-170-E-A1500R	1.7																														
	QKF12 R/L-180-E-A1500R	1.8																														
	QKF12 R/L-190-E-A1500R	1.9																														
QKF12 R/L-200-E-A1500R	2.0															○	●	●	●												●	

●:First choice ○:Option □:Customized

QKF16



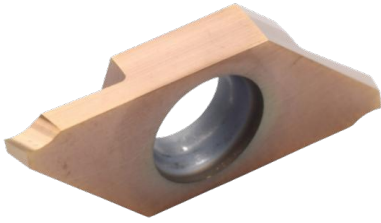
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

Material	Symbol	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
P	Carbon steel/alloy steel			◐	◐	●																◐
M	Stainless steel	◐		●	●	◐																●
K	Cast iron	●							○													
N	Non ferrous metals	○							○													
S	titanium alloy	○							●	●												

Shape	Model	Dimensions(mm)										PVD Coated																					
		CW	CUTDIA	RE	wl	S	DI	PSIRA	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0												
	QKF16R/L-050-S-A1516R	0.5	0.5																														
	QKF16R/L-060-S-A1516R	0.6	8.0																														
	QKF16R/L-070-S-A1516R	0.7																															
	QKF16R/L-080-S-A1516R	0.8																															
	QKF16R/L-090-S-A1516R	0.9																															
	QKF16R/L-100-S-A1516R	1.0	12.0	0	4	9.5	5	16°	45°	○	●	●	●												●								
	QKF16R/L-110-S-A1516R	1.1																															
	QKF16R/L-120-S-A1516R	1.2																															
	QKF16R/L-130-S-A1516R	1.3																															
	QKF16R/L-140-S-A1516R	1.4	16.0																														
	QKF16R/L-150-S-A1516R	1.5									○	●	●	●											●								
	QKF16R/L-160-S-A1516R	1.6																															
	QKF16R/L-170-S-A1516R	1.7																															
	QKF16R/L-180-S-A1516R	1.8																															
QKF16R/L-190-S-A1516R	1.9																																
QKF16R/L-200-S-A1516R	2.0									○	●	●	●											●									
	QKF16 R/L-050-S-A1500R	0.5	5.0																														
	QKF16 R/L-060-S-A1500R	0.6	8.0																														
	QKF16 R/L-070-S-A1500R	0.7																															
	QKF16 R/L-080-S-A1500R	0.8																															
	QKF16 R/L-090-S-A1500R	0.9																															
	QKF16 R/L-100-S-A1500R	1.0	12.0	0	4	9.5	5	0°	45°	○	●	●	●												●								
	QKF16 R/L-110-S-A1500R	1.1																															
	QKF16 R/L-120-S-A1500R	1.2																															
	QKF16 R/L-130-S-A1500R	1.3																															
	QKF16 R/L-140-S-A1500R	1.4	16.0																														
	QKF16 R/L-150-S-A1500R	1.5									○	●	●	●											●								
	QKF16 R/L-160-S-A1500R	1.6																															
	QKF16 R/L-170-S-A1500R	1.7																															
	QKF16 R/L-180-S-A1500R	1.8																															
QKF16 R/L-190-S-A1500R	1.9																																
QKF16 R/L-200-S-A1500R	2.0									○	●	●	●											●									

●:First choice ○:Option □:Customized

QKF16



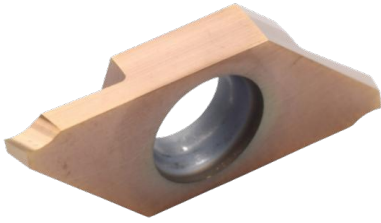
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

	Carbon steel/alloy steel	Stainless steel	Cast iron	Non ferrous metals	titanium alloy
P	●	●	●	●	●
M	◐	●	●	●	●
K	●		○	●	
N	○		○		
S	○		●	●	

Shape	Model	Dimensions(mm)								PVD Coated																			
		CW	CUTDIA	RE	wl	S	DI	PSIRA	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0								
	QKF16 R/L-050-E-A1516R	0.5	0.5	0.08	4	9.5	5	16°	45°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
	QKF16 R/L-060-E-A1516R	0.6	0.6							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-070-E-A1516R	0.7	0.7							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-080-E-A1516R	0.8	0.8							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-090-E-A1516R	0.9	0.9							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-100-E-A1516R	1.0	1.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-110-E-A1516R	1.1	1.1							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-120-E-A1516R	1.2	1.2							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-130-E-A1516R	1.3	1.3							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-140-E-A1516R	1.4	1.4							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-150-E-A1516R	1.5	1.5							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-160-E-A1516R	1.6	1.6							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-170-E-A1516R	1.7	1.7							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-180-E-A1516R	1.8	1.8							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-190-E-A1516R	1.9	1.9							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QKF16 R/L-200-E-A1516R	2.0	2.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
	QKF16 R/L-050-E-A1500R	0.5	5.0	0.08	4	9.5	5	0°	45°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
	QKF16 R/L-060-E-A1500R	0.6	0.6							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-070-E-A1500R	0.7	0.7							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-080-E-A1500R	0.8	0.8							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-090-E-A1500R	0.9	0.9							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-100-E-A1500R	1.0	1.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-110-E-A1500R	1.1	1.1							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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	QKF16 R/L-130-E-A1500R	1.3	1.3							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-140-E-A1500R	1.4	1.4							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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	QKF16 R/L-160-E-A1500R	1.6	1.6							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-170-E-A1500R	1.7	1.7							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-180-E-A1500R	1.8	1.8							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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QKF16 R/L-200-E-A1500R	2.0	2.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								

●:First choice ○:Option □:Customized

QKF16



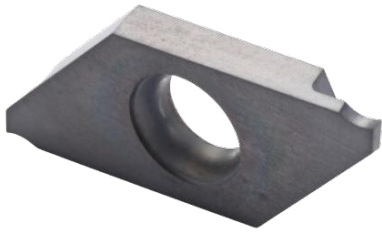
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel			●	●	●				●
M	Stainless steel	◐	●	●	●	◐				●
K	Cast iron	●			○	●				
N	Non ferrous metals	○			○					
S	titanium alloy	○			●	●				

Shape	Model	Dimensions(mm)									PVD Coated																		
		CW	CUTDIA	RE	wl	S	DI	PSIRA	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0								
	QKF16 R/L-050-F-A1516R	0.5	0.5	0.03	4	9.5	5	16°	45°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
	QKF16 R/L-060-F-A1516R	0.6	8.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-070-F-A1516R	0.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-080-F-A1516R	0.8								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-090-F-A1516R	0.9								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-100-F-A1516R	1.0	12.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-110-F-A1516R	1.1								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-120-F-A1516R	1.2								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-130-F-A1516R	1.3								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-140-F-A1516R	1.4	16.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-150-F-A1516R	1.5								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-160-F-A1516R	1.6								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-170-F-A1516R	1.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-180-F-A1516R	1.8	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-190-F-A1516R	1.9	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
QKF16 R/L-200-F-A1516R	2.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
	QKF16 R/L-050-F-A1500R	0.5	5.0	0.03	4	9.5	5	0°	45°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
	QKF16 R/L-060-F-A1500R	0.6	8.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-070-F-A1500R	0.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-080-F-A1500R	0.8								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-090-F-A1500R	0.9								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-100-F-A1500R	1.0	12.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-110-F-A1500R	1.1								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-120-F-A1500R	1.2								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-130-F-A1500R	1.3								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-140-F-A1500R	1.4	16.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	QKF16 R/L-160-F-A1500R	1.6								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-170-F-A1500R	1.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QKF16 R/L-180-F-A1500R	1.8	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QKF16 R/L-190-F-A1500R	1.9	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
QKF16 R/L-200-F-A1500R	2.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								

●:First choice ○:Option ◻:Customized

QKFS



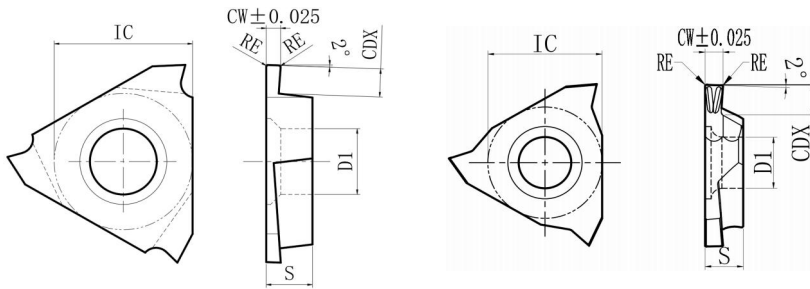
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel	○	●	●	◐	●
M	Stainless steel	●	◐	●	○	●
K	Cast iron		○			○
N	Non ferrous metals		○			○
S	titanium alloy	○	●		○	●

Shape	Model	Dimensions(mm)							PVD Coated								
		CW	CUTDIA	RE	wl	S	DI	A	B D G 2 0	B A G 2 0	S S G 2 5	P A G 2 0					
	QKFS12L-050-S-A1500R	0.5	0.5						□		□	□	□	□	□		
	QKFS12L-060-S-A1500R	0.6							□		□	□	□	□	□		
	QKFS12L-070-S-A1500R	0.7							□		□	□	□	□	□		
	QKFS12L-080-S-A1500R	0.8	6.0						○		●	○	○		●	○	
	QKFS12L-090-S-A1500R	0.9							□		□	□	□	□	□	□	
	QKFS12L-100-S-A1500R	1.0							○		●	○	○		●	○	
	QKFS12L-1110-S-A1500R	1.1							□		□	□	□	□	□	□	
	QKFS12L-120-S-A1500R	1.2		9.0	9.0	2.2	8.7	4.4	45°	○		●	○	○		●	○
	QKFS12L-130-S-A1500R	1.3		9.0						□		□	□	□	□	□	□
	QKFS12L-140-S-A1500R	1.4								□		□	□	□	□	□	□
	QKFS12L-150-S-A1500R	1.5								○		●	○	○		●	○
	QKFS12L-160-S-A1500R	1.6								□		□	□	□	□	□	□
	QKFS12L-170-S-A1500R	1.7								□		□	□	□	□	□	□
	QKFS12L-180-S-A1500R	1.8		12.0						□		□	□	□	□	□	□
	QKFS12L-190-S-A1500R	1.9								□		□	□	□	□	□	□
	QKFS12L-200-S-A1500R	2.0								○		●	○	○		●	○

●:First choice ○:Option □:Customized

QGF



Model	IC	S	D1
QGF32_	9.525	3.18	4.6

Use taxonomies

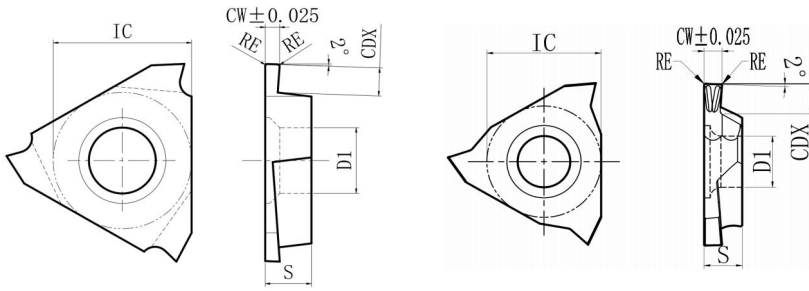
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting
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	P	M	K	N	S
Carbon steel/alloy steel	●				
Stainless steel	◐	●			
Cast iron	●		○	●	○
Non ferrous metals	○			●	
titanium alloy	○			●	○

Shape	Model	Dimensions(mm)			PVD Coated															
		CW	CDX	RE	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0				
	QGF32R/L-020-005	0.2	0.6	0.05	□	□	□	□	□	□	□	□	□	□	□	□	□			
	QGF32R/L-030-005	0.3	0.8		□	□	□	□	□	□	□	□	□	□	□	□	□			
	QGF32R/L-040-005	0.4			○	●	○	●	○	●	○	●	○	●	○	●	○	●		
	QGF32R/L-050-005	0.5			○	●	○	●	○	●	○	●	○	●	○	●	○	●		
	QGF32R/L-060-005	0.6			1.2	○	●	○	●	○	●	○	●	○	●	○	●	○	●	
	QGF32R/L-070-010	0.7			2.0	○	●	○	●	○	●	○	●	○	●	○	●	○	●	
	QGF32R/L-075-010	0.75				○	●	○	●	○	●	○	●	○	●	○	●	○	●	
	QGF32R/L-080-010	0.8				□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
	QGF32R/L-090-010	0.9				□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
	QGF32R/L-095-010	0.95				□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
	QGF32R/L-100-010	1.0	○	●		○	●	○	●	○	●	○	●	○	●	○	●	○	●	
	QGF32R/L-110-010	1.1	□	□		□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QGF32R/L-120-010	1.2	○	●		○	●	○	●	○	●	○	●	○	●	○	●	○	●	
	QGF32R/L-125-010	1.25	□	□		□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QGF32R/L-130-010	1.3	2.5	□		□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QGF32R/L-140-010	1.4		□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QGF32R/L-145-010	1.45		□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QGF32R/L-150-010	1.5		○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	
	QGF32R/L-160-010	1.6		□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QGF32R/L-170-010	1.7		□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QGF32R/L-175-010	1.75		○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	
	QGF32R/L-180-010	1.8		□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QGF32R/L-190-010	1.9		□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QGF32R/L-200-010	2.0		○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	
	QGF32R/L-210-010	2.1	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
QGF32R/L-220-010	2.2	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●			
QGF32R/L-230-010	2.3	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□			
QGF32R/L-240-010	2.4	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□			
QGF32R/L-250-010	2.5	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●			

●:First choice ○:Option □:Customized

QGF



Model	IC	S	D1
QGF32_	9.525	3.18	4.6

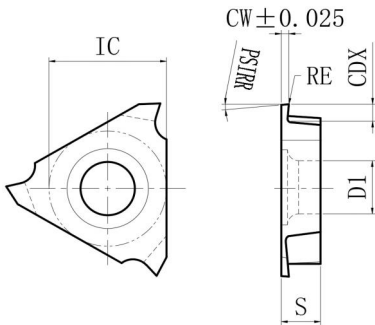
Use taxonomies														
●	: First choice/continuous cutting			○	: Option/continuous cutting			◐	: light interrupted cutting			⊕	: interrupted cutting	

P	Carbon steel/alloy steel				◐	◐	●	●					◐
M	Stainless steel	◐	●					◐	●				●
K	Cast iron	●				○	●	●	○				
N	Non ferrous metals	○				○			●				
S	titanium alloy	○				●	●	○					

Shape	Model	Dimensions(mm)			PVD Coated											
		CW	CDX	RE	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0
	QGF32R-100-R005D	1.0	2.0	0.05					●	○	●	○				
	QGF32R-130-R010D	1.3	2.7	0.1					●	○	●	○				
	QGF32R-175-R010D	1.75	2.7						●	○	●	○				
	QGF32R-200-R010D	2.0	3.0						●	○	●	○				
	QGF32R-300-R010D	3.0	3.0						●	○	●	○				

●:First choice ○:Option □:Customized

QGFC



Model	IC	S	D1
QGFC32_	9.525	3.18	4.6

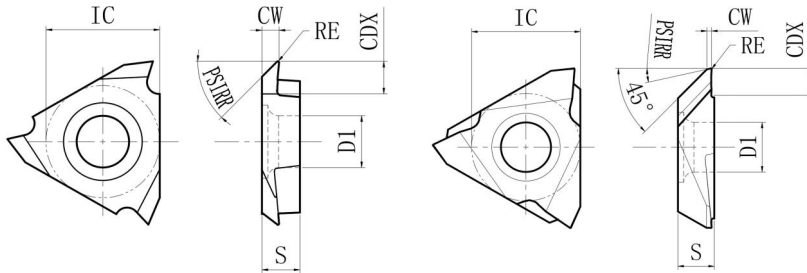
Use taxonomies														
●	: First choice/continuous cutting			○	: Option/continuous cutting			◐	: light interrupted cutting			⊕	: interrupted cutting	

Material	P	M	K	N	S	BDJ20	BAJ20	SSJ20	PAJ20	B DG 20	B AG 20	S SG 20	P AG 20	B DK 20	B AK 20	S SK 20	P AK 20
Carbon steel/alloy steel	●							◐	◐	●	●	●					◐
Stainless steel		●						●	●	●	●	◐					●
Cast iron			●					○	○	○	○	○					
Non ferrous metals				○				○	○	○	○	○					
titanium alloy					○					●	●						

Shape	Model	Dimensions(mm)				PVD Coated													
		CW	CDX	RE	PSIRR	BDJ20	BAJ20	SSJ20	PAJ20	B DG 20	B AG 20	S SG 20	P AG 20	B DK 20	B AK 20	S SK 20	P AK 20		
	QGFC32R/L-050-A1705R	0.5	1.2	0	5°	○	●	○	●								●		
	QGFC32R/L-060-A1705R	0.6	0.8			○	●	○	●										●
	QGFC32R/L-070-A1705R	0.7	1.5			○	●	○	●										●
	QGFC32R/L-080-A1705R	0.8				○	●	○	●										●
	QGFC32R/L-090-A1705R	0.9	2.0			□	□	□	□										□
	QGFC32R/L-100-A1705R	1.0				○	●	○	●										●
	QGFC32R/L-110-A1705R	1.1	2.5			□	□	□	□										□
	QGFC32R/L-120-A1705R	1.2				○	●	○	●										●
	QGFC32R/L-130-A1705R	1.3				□	□	□	□										□
	QGFC32R/L-140-A1705R	1.4				□	□	□	□										□
	QGFC32R/L-150-A1705R	1.5				○	●	○	●										●
	QGFC32R/L-160-A1705R	1.6				□	□	□	□										□
	QGFC32R/L-170-A1705R	1.7				□	□	□	□										□
	QGFC32R/L-180-A1705R	1.8				□	□	□	□										□
	QGFC32R/L-190-A1705R	1.9	□			□	□	□										□	
	QGFC32R/L-200-A1705R	2.0	□			□	□	□										□	

●:First choice ○:Option □:Customized

QGFB



Model	IC	S	D1
QGF32_	9.525	3.18	4.6

Use taxonomies

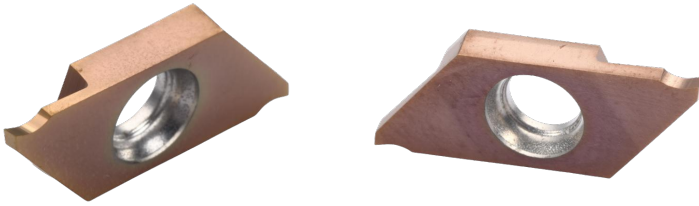
● : First choice/continuous cutting ○ : Option/continuous cutting ◐ : light interrupted cutting ✚ : interrupted cutting

	P	M	K	N	S
Carbon steel/alloy steel	●	●	●	●	●
Stainless steel	●	●	○	○	○
Cast iron	●	○	○	○	○
Non ferrous metals	○	○	○	○	○
titanium alloy	○	○	○	○	○

Shape	Model	Dimensions(mm)				PVD Coated												
		CW	CDX	RE	PSIRR	BDJ20	BAJ20	SSJ20	PAJ20	B DG 20	B AG 20	SSG 20	PAG 20	B DK 20	BAK 20	SSK 20	PAK 20	
	QGFB32R/L-050-005	0.5	1.2	0.05	45°	□	□	□	□								□	
	QGFB32R/L-060-005	0.6	0.8			○	●	○	●									●
	QGFB32R/L-070-005	0.7	1.5			○	●	○	●									●
	QGFB32R/L-080-005	0.8				○	●	○	●									●
	QGFB32R/L-090-005	0.9	2.0			□	□	□	□									□
	QGFB32R/L-100-005	1.0				○	●	○	●									●
	QGFB32R/L-110-005	1.1	2.5			□	□	□	□									□
	QGFB32R/L-120-005	1.2				○	●	○	●									●
	QGFB32R/L-130-005	1.3				□	□	□	□									□
	QGFB32R/L-140-005	1.4				□	□	□	□									□
QGFB32R/L-150-010	1.5					○	●	○	●						●			
	QGFB32R/L-050-005D	0.5	3.0	0.05	13°	○	●	○	●							●		
	QGFB32R/L-050-010D			0.1		○	●	○	●							●		
	QGFB32R/L-050-015D			0.15		□	□	□	□							□		
	QGFB32R/L-050-020D			0.2		○	●	○	●							●		

●:First choice ○:Option □:Customized

QTP



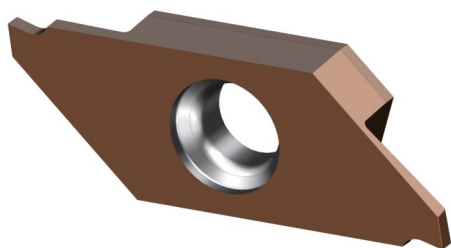
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

	Carbon steel/alloy steel	Stainless steel	Cast iron	Non ferrous metals	titanium alloy
P	●	●	●	●	●
M	◐	●	●	●	●
K	●	○	○	○	○
N	○	○	○	○	○
S	○	○	○	○	○

Shape	Model	Dimensions(mm)							PVD Coated																				
		CW	CUTDIA	RE	wl	S	D1	PSIRR	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0								
	QTPR/L-050-A1516R	0.5	0.5	0.08	2.5	8	4.5	16°	45°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
	QTPR/L-060-A1516R	0.6	8.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QTPR/L-070-A1516R	0.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QTPR/L-080-A1516R	0.8								○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●
	QTPR/L-090-A1516R	0.9	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-100-A1516R	1.0	<input type="checkbox"/>							○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●
	QTPR/L-110-A1516R	1.1	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-120-A1516R	1.2	<input type="checkbox"/>							○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●
	QTPR/L-130-A1516R	1.3	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-140-A1516R	1.4	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-150-A1516R	1.5	<input type="checkbox"/>							○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●
	QTPR/L-160-A1516R	1.6	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-170-A1516R	1.7	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-180-A1516R	1.8	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QTPR/L-190-A1516R	1.9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
QTPR/L-200-A1516R	2.0	<input type="checkbox"/>	○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●							
	QTPR/L-050-A1500R	0.5	5.0	0.03	2.5	8	4.5	0°	50°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
	QTPR/L-060-A1500R	0.6	8.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	QTPR/L-070-A1500R	0.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-080-A1500R	0.8								○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●
	QTPR/L-090-A1500R	0.9	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-100-A1500R	1.0	<input type="checkbox"/>							○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●
	QTPR/L-110-A1500R	1.1	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-120-A1500R	1.2	<input type="checkbox"/>							○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●
	QTPR/L-130-A1500R	1.3	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-140-A1500R	1.4	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-150-A1500R	1.5	<input type="checkbox"/>							○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●
	QTPR/L-160-A1500R	1.6	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-170-A1500R	1.7	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QTPR/L-180-A1500R	1.8	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QTPR/L-190-A1500R	1.9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
QTPR/L-200-A1500R	2.0	<input type="checkbox"/>	○	●	●	●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	●							

●:First choice ○:Option □:Customized

QTPA



Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel			◐	◐	●							
M	Stainless steel	◐	●	●	◐								●
K	Cast iron	●			○	●							
N	Non ferrous metals	○			○								
S	titanium alloy	○			●	●							

Shape	Model	Dimensions(mm)								PVD Coated																			
		CW	CUTDIA	RE	wl	S	Dl	PSIRR	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0								
	QTPAR/L-050-A1516R	0.5	0.5	0.05	3.5	9.4	4.5	16°	45°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									<input type="checkbox"/>							
	QTPAR/L-060-A1516R	0.6	8.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															<input type="checkbox"/>	
	QTPAR/L-070-A1516R	0.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-080-A1516R	0.8								<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>
	QTPAR/L-090-A1516R	0.9	12.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-100-A1516R	1.0								<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>
	QTPAR/L-110-A1516R	1.1								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-120-A1516R	1.2	16.0							<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>
	QTPAR/L-130-A1516R	1.3								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-140-A1516R	1.4								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-150-A1516R	1.5	16.0							<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>
	QTPAR/L-160-A1516R	1.6								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-170-A1516R	1.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-180-A1516R	1.8								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
QTPAR/L-190-A1516R	1.9	2.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>							
QTPAR/L-200-A1516R	2.0		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>							
	QTPAR/L-050-A1500R	0.5	5.0	0.05	3.5	9.4	4.5	0°	45°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									<input type="checkbox"/>							
	QTPAR/L-060-A1500R	0.6	8.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>															<input type="checkbox"/>	
	QTPAR/L-070-A1500R	0.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-080-A1500R	0.8								<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>
	QTPAR/L-090-A1500R	0.9	12.0							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-100-A1500R	1.0								<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>
	QTPAR/L-110-A1500R	1.1								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-120-A1500R	1.2	16.0							<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>
	QTPAR/L-130-A1500R	1.3								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-140-A1500R	1.4								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-150-A1500R	1.5	16.0							<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>
	QTPAR/L-160-A1500R	1.6								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-170-A1500R	1.7								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
	QTPAR/L-180-A1500R	1.8								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>
QTPAR/L-190-A1500R	1.9	2.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																<input type="checkbox"/>							
QTPAR/L-200-A1500R	2.0		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>							

●:First choice ○:Option :Customized

GE

Model	W1	INSL	S	DI
GER/L...-A	6.69	6.5	2.58	2.5
GER...-AR				
GER/L...-B	8.46	8.2	3.18	2.7
GER...-BR				

Use taxonomies													
●	: First choice/continuous cutting			○	: Option/continuous cutting			◐	: light interrupted cutting		⊕	: interrupted cutting	

Material	●	○	◐	⊕
P Carbon steel/alloy steel	●	○	◐	⊕
M Stainless steel	●	○	◐	⊕
K Cast iron	○	○	◐	⊕
N Non ferrous metals	○	○	○	○
S titanium alloy	○	○	○	○
H 高硬度材料 (40HRC以下)	○	○	○	○

Shape	Model	Dimensions(mm)			PVD Coated														
		CW	CDX	RE	B D J 2 0	B A J 2 0	S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S K 2 0	P A K 2 0			
	GER/L100-005A	1.0	1.5	0.05	○	○	●	○	○	○	●	○	○	○	○	●	○		
	GER/L120-005A	1.2			□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	GER/L125-005A	1.25			□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	GER/L150-010A	1.5			○	○	●	○	○	○	●	○	○	○	○	○	○	●	○
	GER/L200-010A	2.0			○	○	●	○	○	○	●	○	○	○	○	○	○	●	○
	GER/L100-005B	1.0			○	2.2	0.05	○	○	●	○	○	○	●	○	○	○	○	●
	GER/L120-005B	1.2	□	□	□			□	□	□	□	□	□	□	□	□	□	□	
	GER/L125-005B	1.25	□	□	□			□	□	□	□	□	□	□	□	□	□	□	
	GER/L145-010B	1.45	□	□	□			□	□	□	□	□	□	□	□	□	□	□	
	GER/L150-010B	1.5	○	○	●			○	○	○	○	○	●	○	○	○	○	●	○
	GER/L200-010B	2.0	○	○	●			○	○	○	○	○	○	○	○	○	○	○	○
	GER/L250-020B	2.5	□	2.2	0.2	□	□	□	□	□	□	□	□	□	□	□	□		
GER/L300-020B	3.0	□	□			□	□	□	□	□	□	□	□	□	□	□			
	GER100-050AR	1.0	1.5	0.5	○	○	●	○	○	○	●	○	○	○	○	●	○		
	GER200-100AR	2.0		1.0	○	○	●	○	○	○	○	○	○	○	○	○	○	○	
	GER100-050BR	1.0	2.2	0.5	○	○	●	○	○	○	○	○	○	○	○	○	○		
	GER200-100BR	2.0		1.0	○	○	●	○	○	○	○	○	○	○	○	○	○	○	

●:First choice ○:Option □:Customized

GE

Model	W1	INSL	S	DI
GER/L...-C	5.8	11.48	4.05	2.8
GER...-CR				
GER/L...-D				
GER...-DR	6.8	16.44	5.05	3.4
GER/L...-E	9.54	21.66	5.55	4.4

Use taxonomies				
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting	

Material	●	○	◐	⊕
P Carbon steel/alloy steel	●	○	◐	⊕
M Stainless steel	●	○	◐	⊕
K Cast iron	○	○	◐	⊕
N Non ferrous metals	○	○	◐	⊕
S titanium alloy	○	○	◐	⊕
H 高硬度材料 (40HRC以下)	○	○	◐	⊕

Shape	Model	Dimensions(mm)			PVD Coated													
		CW	CDX	RE	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0		
	GER/L100-005C	1.0	2.5	0.05	○	○	●	○	○	○	●	○	○	○	●	○		
	GER/L120-005C	1.2			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L125-005C	1.25			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L140-005C	1.4			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L145-010C	1.45			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L150-010C	1.5			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	GER/L170-010C	1.7			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L185-010C	1.85			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L195-010C	1.95			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L200-010C	2.0			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	GER/L250-020C	2.5			□	□	□	□	□	□	□	□	□	□	□	□	□	□
GER/L300-020C	3.0	□	□	□	□	□	□	□	□	□	□	□	□	□	□			
GER/L350-020C	3.5	□	□	□	□	□	□	□	□	□	□	□	□	□	□			
	GER/L100-005D	1.0	2.5	0.05	○	○	●	○	○	○	●	○	○	○	●	○		
	GER/L140-005D	1.4			□	□	□	□	□	□	□	□	□	□	□	□	□	
	GER/L145-010D	1.45			□	□	□	□	□	□	□	□	□	□	□	□	□	
	GER/L150-010D	1.5			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	GER/L170-010D	1.7			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L185-010D	1.85			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L195-010D	1.95			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L200-010D	2.0			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	GER/L225-010D	2.25			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L230-020D	2.3			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L250-020D	2.5			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L275-020D	2.75			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L280-020D	2.8			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L300-020D	3.0			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	GER/L330-020D	3.3			□	□	□	□	□	□	□	□	□	□	□	□	□	□
GER/L350-020D	3.5	□	□	□	□	□	□	□	□	□	□	□	□	□	□			
GER/L400-020D	4.0	□	□	□	□	□	□	□	□	□	□	□	□	□	□			

●:First choice ○:Option □:Customized

GE

Model	W1	INSL	S	DI
GER/L...-C	5.8	11.48	4.05	2.8
GER...-CR				
GER/L...-D				
GER...-DR	6.8	16.44	5.05	3.4
GER/L...-E	9.54	21.66	5.55	4.4

Use taxonomies			
● : First choice/continuous cutting	○ : Option/continuous cutting	◐ : light interrupted cutting	⊕ : interrupted cutting

Material	●	○	◐	⊕
P Carbon steel/alloy steel	●	○	◐	⊕
M Stainless steel	●	○	◐	⊕
K Cast iron	○	○	◐	⊕
N Non ferrous metals	○	○	◐	⊕
S titanium alloy	○	○	◐	⊕
H 高硬度材料 (40HRC以下)	○	○	◐	⊕

Shape	Model	Dimensions(mm)			PVD Coated														
		CW	CDX	RE	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0			
	GER/L100-005E	1.0	2.5	0.05	○	○	●	○	○	○	●	○	○	○	○	●	○		
	GER/L150-010E	1.5	3.0	0.1	○	○	●	○	○	○	●	○	○	○	○	●	○		
	GER/L170-010E	1.7			□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	GER/L185-010EL	1.85			□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	GER/L195-010E	1.95			□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	GER/L200-010E	2.0			○	○	●	○	○	○	●	○	○	○	○	○	●	○	
	GER/L225-010E	2.25	3.2		0.2	□	□	□	□	□	□	□	□	□	□	□	□	□	
	GER/L230-020E	2.3				□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L250-020E	2.5				□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/275-020EL	2.75	4.5			□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L280-020E	2.8				□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L300-020E	3.0				○	○	●	○	○	○	●	○	○	○	○	○	●	○
	GER/L330-020E	3.3				□	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L350-020E	3.5	5.5			0.2	□	□	□	□	□	□	□	□	□	□	□	□	□
	GER/L400-020E	4.0					○	○	●	○	○	○	●	○	○	○	○	○	●
GER/L430-020E	4.3	□					□	□	□	□	□	□	□	□	□	□	□	□	□
GER/L450-020E	4.5	6.5	□	□			□	□	□	□	□	□	□	□	□	□	□	□	
GER/L460-020E	4.6		□	□			□	□	□	□	□	□	□	□	□	□	□	□	
GER/L500-020E	5.0		○	○			●	○	○	○	●	○	○	○	○	○	●	○	
	GER200-100CR	2.0	2.5	1.0			○	○	●	○	○	○	●	○	○	○	○	●	○
	GER250-125CR	2.5		1.25			□	□	□	□	□	□	□	□	□	□	□	□	□
	GER300-150CR	3.0		1.5	○		○	●	○	○	○	●	○	○	○	○	○	●	○
	GER200-100DR	2.0		3.2	1.0		○	○	●	○	○	○	●	○	○	○	○	●	○
	GER300-150DR	3.0		4.5	1.5		○	○	●	○	○	○	●	○	○	○	○	●	○

●:First choice ○:Option □:Customized

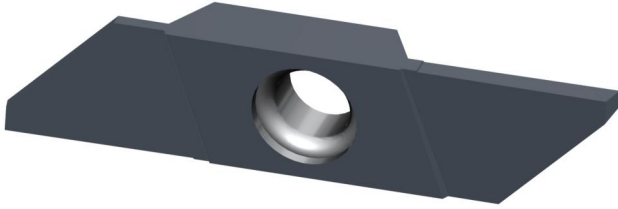
SPECIAL FOR SWISS CAM-STYPE LATHES

✉ edison@preciturntools.com

🌐 <https://www.preciturntools.com>



QLNCR/L



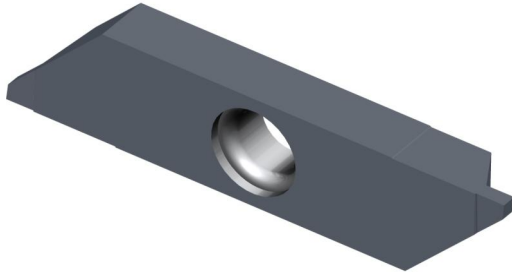
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel										◐	●				◐	●	◐
M	Stainless steel										●	●	◐	○	●	●	○	●
K	Cast iron										○					○		
N	Non ferrous metals										○							
S	titanium alloy										●	○	●			◐		

Shape	Model	Dimensions(mm)									PVD Coated																		
		CW	CUTDIA	RE	wl	S	DI	PSIRR	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0								
	QLNCR/L-050-R00-A0015	0.5	6	0	3	6	3.2	15°	45°						○	○	●	○	○	○	●	○							
	QLNCR/L-060-R00-A0015	0.6	8																		○	○	●	○	○	○	●	○	
	QLNCR/L-070-R00-A0015	0.7	12																			○	○	●	○	○	○	●	○
	QLNCR/L-080-R00-A0015	0.8																				□	□	□	□	□	□	□	□
	QLNCR/L-090-R00-A0015	0.9																				□	□	□	□	□	□	□	□
	QLNCR/L-100-R00-A0015	1.0																				○	○	●	○	○	○	●	○
	QLNCR/L-110-R00-A0015	1.1																				□	□	□	□	□	□	□	□
	QLNCR/L-120-R00-A0015	1.2																				○	○	●	○	○	○	●	○
	QLNCR/L-130-R00-A0015	1.3																				○	○	●	○	○	○	●	○
	QLNCR/L-140-R00-A0015	1.4																				□	□	□	□	□	□	□	□
	QLNCR/L-150-R00-A0015	1.5																				○	○	●	○	○	○	●	○
	QLNCR/L-160-R00-A0015	1.6																				□	□	□	□	□	□	□	□
	QLNCR/L-170-R00-A0015	1.7																				□	□	□	□	□	□	□	□
QLNCR/L-180-R00-A0015	1.8														□	□	□	□	□	□	□	□							
QLNCR/L-190-R00-A0015	1.9														□	□	□	□	□	□	□	□							
QLNCR/L-200-R00-A0015	2.0														○	○	●	○	○	○	●	○							
	QLNCR/L-050-R00-A1215	0.5	6	0	3	6	3.2	15°	45°						○	○	●	○	○	○	●	○							
	QLNCR/L-060-R00-A1215	0.6	8																		○	○	●	○	○	○	●	○	
	QLNCR/L-070-R00-A1215	0.7	12																			○	○	●	○	○	○	●	○
	QLNCR/L-080-R00-A1215	0.8																				□	□	□	□	□	□	□	□
	QLNCR/L-090-R00-A1215	0.9																				□	□	□	□	□	□	□	□
	QLNCR/L-100-R00-A1215	1.0																				○	○	●	○	○	○	●	○
	QLNCR/L-110-R00-A1215	1.1																				□	□	□	□	□	□	□	□
	QLNCR/L-120-R00-A1215	1.2																				○	○	●	○	○	○	●	○
	QLNCR/L-130-R00-A1215	1.3																				○	○	●	○	○	○	●	○
	QLNCR/L-140-R00-A1215	1.4																				□	□	□	□	□	□	□	□
	QLNCR/L-150-R00-A1215	1.5																				○	○	●	○	○	○	●	○
	QLNCR/L-160-R00-A1215	1.6																				□	□	□	□	□	□	□	□
	QLNCR/L-170-R00-A1215	1.7																				□	□	□	□	□	□	□	□
QLNCR/L-180-R00-A1215	1.8														□	□	□	□	□	□	□	□							
QLNCR/L-190-R00-A1215	1.9														□	□	□	□	□	□	□	□							
QLNCR/L-200-R00-A1215	2.0														○	○	●	○	○	○	●	○							

●:First choice ○:Option □:Customized

QLNGR/L



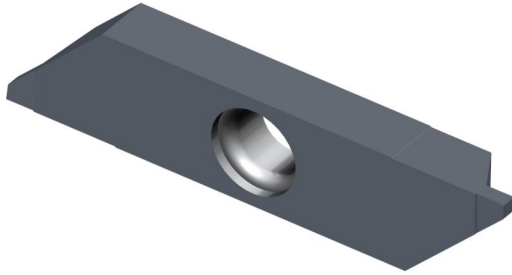
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel									◐	●				◐	●	◐
M	Stainless steel									●	●	◐	○	●	●	○	●
K	Cast iron									○					○		
N	Non ferrous metals									○							
S	titanium alloy									●	○	●			◐		

Shape	Model	Dimensions(mm)									PVD Coated																										
		CW	CDX	RE	wl	S	DI	PSIRR	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0																
	QLNGR/L-020-R005-A0000	0.2	0.6	0.05	3	6	3.2	0°	45°																												
	QLNGR/L-030-R005-A0000	0.3	0.8																																		
	QLNGR/L-040-R005-A0000	0.4																																			
	QLNGR/L-040-R005-A0000	0.5		1.2																	○	○	●	○	○	○	○	●	○								
	QLNGR/L-060-R005-A0000	0.6																			○	○	●	○	○	○	○	●	○								
	QLNGR/L-070-R010-A0000	0.7																			○	○	●	○	○	○	○	●	○								
	QLNGR/L-075-R010-A0000	0.75		2.0																	○	○	●	○	○	○	○	●	○								
	QLNGR/L-080-R010-A0000	0.8																			□	□	□	□	□	□	□	□	□								
	QLNGR/L-090-R010-A0000	0.9																			□	□	□	□	□	□	□	□	□								
	QLNGR/L-095-R010-A0000	0.95		5.0																	○	○	●	○	○	○	○	●	○								
	QLNGR/L-100-R010-A0000	1.0																			□	□	□	□	□	□	□	□	□								
	QLNGR/L-110-R010-A0000	1.1																			□	□	□	□	□	□	□	□	□								
	QLNGR/L-120-R010-A0000	1.2		0.1																	○	○	●	○	○	○	○	●	○								
	QLNGR/L-125-R010-A0000	1.25																			□	□	□	□	□	□	□	□	□								
	QLNGR/L-130-R010-A0000	1.3																			□	□	□	□	□	□	□	□	□								
	QLNGR/L-140-R010-A0000	1.4		6.0																	□	□	□	□	□	□	□	□	□								
	QLNGR/L-145-R010-A0000	1.45																			□	□	□	□	□	□	□	□	□								
	QLNGR/L-150-R010-A0000	1.5																			○	○	●	○	○	○	○	●	○								
	QLNGR/L-160-R010-A0000	1.6		7.0																	□	□	□	□	□	□	□	□	□								
	QLNGR/L-170-R010-A0000	1.7																			□	□	□	□	□	□	□	□	□								
	QLNGR/L-175-R010-A0000	1.75																			○	○	●	○	○	○	○	●	○								
	QLNGR/L-180-R010-A0000	1.8		7.0																	□	□	□	□	□	□	□	□	□								
	QLNGR/L-190-R010-A0000	1.9																			□	□	□	□	□	□	□	□	□								
	QLNGR/L-200-R010-A0000	2.0																			○	○	●	○	○	○	○	●	○								
	QLNGR/L-210-R010-A0000	2.1		7.0																	□	□	□	□	□	□	□	□	□								
QLNGR/L-220-R010-A0000	2.2														○	○	●	○	○	○	○	●	○														
QLNGR/L-230-R010-A0000	2.3														□	□	□	□	□	□	□	□	□														
QLNGR/L-240-R010-A0000	2.4		7.0												□	□	□	□	□	□	□	□	□														
QLNGR/L-250-R010-A0000	2.5														○	○	●	○	○	○	○	●	○														

●:First choice ○:Option □:Customized

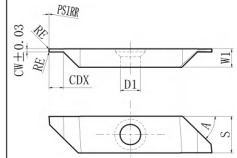
QLNGR/L



Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

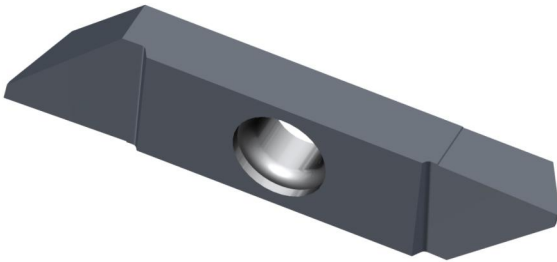
Material	Application	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
P	Carbon steel/alloy steel									◐	●					◐	●	◐								
M	Stainless steel									●	●	◐	○	●	●	○	●									
K	Cast iron									○						○										
N	Non ferrous metals									○																
S	titanium alloy									●	○	●				◐										

Shape	Model	Dimensions(mm)										PVD Coated																					
		CW	CDX	RE	wl	S	DI	PSIRR	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0												
		0.2	0.6	0.05	3	6	3.2	0°	45°																								
0.3	0.8																																
0.4																																	
0.5																				○	○	●	○	○	○	○	●	○					
0.6																				○	○	●	○	○	○	○	●	○					
0.7	1.2																			○	○	●	○	○	○	○	●	○					
0.75																				○	○	●	○	○	○	○	●	○					
0.8																																	
0.9																																	
0.95	2.0																																
1.0														○	○	●	○	○	○	○	●	○											
1.1																																	
1.2														○	○	●	○	○	○	○	●	○											
1.25																																	
1.3	5.0			0.1																													
1.4																																	
1.45																																	
1.5														○	○	●	○	○	○	○	●	○											
1.6																																	
1.7																																	
1.75	6.0													○	○	●	○	○	○	○	●	○											
1.8																																	
1.9																																	
2.0														○	○	●	○	○	○	○	●	○											
2.1																																	
2.2	7.0													○	○	●	○	○	○	○	●	○											
2.3																																	
2.4																																	
2.5														○	○	●	○	○	○	○	●	○											



●:First choice ○:Option □:Customized

QLNFR/L



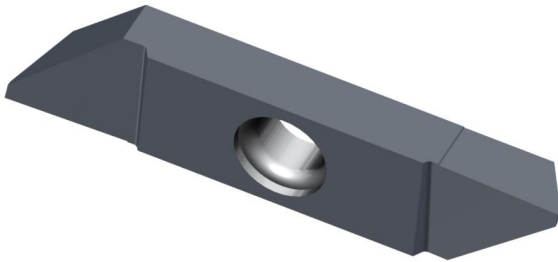
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel					◐	●			◐	●	◐
M	Stainless steel					●	●	◐	○	●	●	○
K	Cast iron					○				○		
N	Non ferrous metals					○						
S	titanium alloy					●	○	●		◐		

Chipformer	Shape	Model	Dimensions(mm)									PVD Coated																				
			CW	α	PSIRR	CDX	RE	wl	S	DI	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0									
NO		QLNFR/L-030-R00-A0002	2.8	0.3	4.5	0	3	6	3.2	45°						○	○	●	○	○	○	○	●	○								
		QLNFR/L-030-R00-A0005																	○	○	●	○	○	○	○	○	●	○				
		QLNFR/L-015-R00-A0002		0.15																				○	○	●	○	○	○	○	●	○
		QLNFR/L-015-R00-A0005																							○	○	●	○	○	○	○	●
YES		QLNFR/L-030-R00-A1202	2.8	0.3	4.5	0	3	6	3.2	45°						○	○	●	○	○	○	○	●	○								
		QLNFR/L-030-R00-A1205																	○	○	●	○	○	○	○	○	○	●	○			
		QLNFR/L-015-R00-A1202		0.15																				○	○	●	○	○	○	○	●	○
		QLNFR/L-015-R00-A1205																							○	○	●	○	○	○	○	●

●:First choice ○:Option □:Customized

QLNBR/L



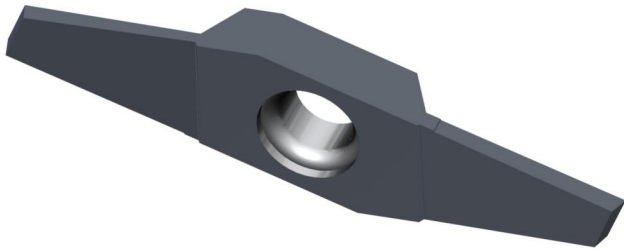
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel															●	●			◐	●	●	
M	Stainless steel															●	●	◐	○	●	●	○	●
K	Cast iron															○	●			○			
N	Non ferrous metals															○							
S	titanium alloy															●	○	●			◐		

Chipformer	Shape	Model	Dimensions(mm)										PVD Coated														
			CW	α	PSIRR	CDX	RE	wl	S	DI	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0				
NO		QLNBR/L-020-R00-A0002-10	1.0	0.2	2°	0.6	0	3	6	3.2	45°					○	○	●	○	○	○	●	○				
		QLNBR/L-020-R00-A0005-10	1.0	0.2	5°											○	○	●	○	○	○	●	○				
		QLNBR/L-050-R00-A0002-10	1.0	0.5	2°	2.0														○	○	●	○	○	○	●	○
		QLNBR/L-050-R00-A0005-10	1.0	0.5	5°											○	○	●	○	○	○	●	○				
		QLNBR/L-050-R00-A0002-15	1.5	0.5	2°	3.5														○	○	●	○	○	○	●	○
		QLNBR/L-050-R00-A0005-15	1.5	0.5	5°											○	○	●	○	○	○	●	○				
YES		QLNBR/L-020-R00-A1202-10	1.0	0.2	2°	0.6	0	3	6	3.2	45°					○	○	●	○	○	○	●	○				
		QLNBR/L-020-R00-A1205-10	1.0	0.2	5°																						
		QLNBR/L-050-R00-A1202-10	1.0	0.5	2°	2.0														○	○	●	○	○	○	●	○
		QLNBR/L-050-R00-A1205-10	1.0	0.5	5°											○	○	●	○	○	○	●	○				
		QLNBR/L-050-R00-A1202-15	1.5	0.5	2°	3.5														○	○	●	○	○	○	●	○
		QLNBR/L-050-R00-A1205-15	1.5	0.5	5°											○	○	●	○	○	○	●	○				

●:First choice ○:Option ◻:Customized

QSNCR/L



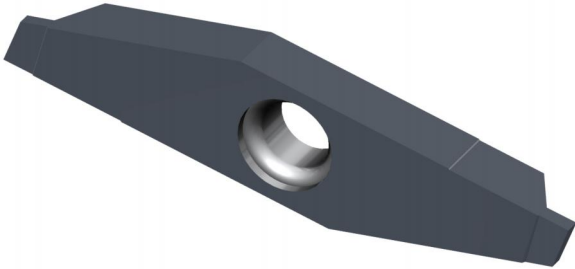
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel											◐	●				◐	●	◐
M	Stainless steel											●	●	◐	○	●	●	○	●
K	Cast iron											○	●				○		
N	Non ferrous metals											○							
S	titanium alloy											●	○	●				◐	

Chipformer	Shape	Model	Dimensions(mm)								PVD Coated												
			CW	CUTDIA	RE	wl	S	DI	PSIRR	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0	
NO		QSNCL-050-R00-A0015	0.5	6	0	3	6.1	3.2	15°	20°						○	○	●	○	○	○	●	○
		QSNCL-060-R00-A0015	0.6	8												○	○	●	○	○	○	●	○
		QSNCL-070-R00-A0015	0.7	12												○	○	●	○	○	○	●	○
		QSNCL-080-R00-A0015	0.8													□	□	□	□	□	□	□	□
		QSNCL-090-R00-A0015	0.9													□	□	□	□	□	□	□	□
		QSNCL-100-R00-A0015	1.0													○	○	●	○	○	○	●	○
		QSNCL-110-R00-A0015	1.1													□	□	□	□	□	□	□	□
		QSNCL-120-R00-A0015	1.2													○	○	●	○	○	○	●	○
		QSNCL-130-R00-A0015	1.3													○	○	●	○	○	○	●	○
		QSNCL-140-R00-A0015	1.4													□	□	□	□	□	□	□	□
		QSNCL-150-R00-A0015	1.5													○	○	●	○	○	○	●	○
		QSNCL-160-R00-A0015	1.6													□	□	□	□	□	□	□	□
		QSNCL-170-R00-A0015	1.7													□	□	□	□	□	□	□	□
QSNCL-180-R00-A0015	1.8							□	□	□	□	□	□	□	□								
QSNCL-190-R00-A0015	1.9							□	□	□	□	□	□	□	□								
QSNCL-200-R00-A0015	2.0							○	○	●	○	○	○	●	○								
YES		QSNCL-050-R00-A1215	0.5	6	0	3	6.1	3.2	15°	20°						○	○	●	○	○	○	●	○
		QSNCL-060-R00-A1215	0.6	8												○	○	●	○	○	○	●	○
		QSNCL-070-R00-A1215	0.7	12												○	○	●	○	○	○	●	○
		QSNCL-080-R00-A1215	0.8													□	□	□	□	□	□	□	□
		QSNCL-090-R00-A1215	0.9													□	□	□	□	□	□	□	□
		QSNCL-100-R00-A1215	1.0													○	○	●	○	○	○	●	○
		QSNCL-110-R00-A1215	1.1													□	□	□	□	□	□	□	□
		QSNCL-120-R00-A1215	1.2													○	○	●	○	○	○	●	○
		QSNCL-130-R00-A1215	1.3													○	○	●	○	○	○	●	○
		QSNCL-140-R00-A1215	1.4													□	□	□	□	□	□	□	□
		QSNCL-150-R00-A1215	1.5													○	○	●	○	○	○	●	○
		QSNCL-160-R00-A1215	1.6													□	□	□	□	□	□	□	□
		QSNCL-170-R00-A1215	1.7													□	□	□	□	□	□	□	□
QSNCL-180-R00-A1215	1.8							□	□	□	□	□	□	□	□								
QSNCL-190-R00-A1215	1.9							□	□	□	□	□	□	□	□								
QSNCL-200-R00-A1215	2.0							○	○	●	○	○	○	●	○								

●:First choice ○:Option □:Customized

QSNGR/L



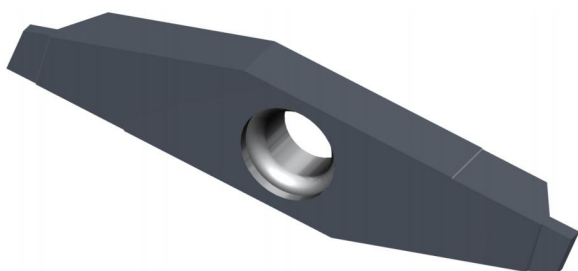
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

	Carbon steel/alloy steel	Stainless steel	Cast iron	Non ferrous metals	titanium alloy
P	●	●	●	●	●
M	●	●	○	○	○
K	○	○	○	○	○
N	○	○	○	○	○
S	●	○	○	○	●

Chipformer	Shape	Model	Dimensions(mm)								PVD Coated																							
			CW	CDX	RE	wl	S	Dl	PSIRR	A	B	B	S	P	B	B	S	P	B	B	S	P												
			D	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J									
NO		QLNGL-020-R005-A0000	0.2	0.6	0.05					0°	20°																							
		QLNGL-030-R005-A0000	0.3	0.8																														
		QLNGL-040-R005-A0000	0.4																															
		QLNGL-050-R005-A0000	0.5																															
		QLNGL-060-R005-A0000	0.6	1.2																														
		QLNGL-070-R010-A0000	0.7																															
		QLNGL-075-R010-A0000	0.75																															
		QLNGL-080-R010-A0000	0.8	2.0																														
		QLNGL-090-R010-A0000	0.9																															
		QLNGL-095-R010-A0000	0.95																															
		QLNGL-100-R010-A0000	1.00	5.0	0.1	3	6.1	3.2	0°	20°																								
		QLNGL-110-R010-A0000	1.1																															
		QLNGL-120-R010-A0000	1.2																															
		QLNGL-125-R010-A0000	1.25																															
		QLNGL-130-R010-A0000	1.3																															
		QLNGL-140-R010-A0000	1.4																															
		QLNGL-145-R010-A0000	1.45																															
		QLNGL-150-R010-A0000	1.5																															
		QLNGL-160-R010-A0000	1.6								6.0																							
		QLNGL-170-R010-A0000	1.7																															
		QLNGL-175-R010-A0000	1.75																															
		QLNGL-180-R010-A0000	1.8	7.0																														
		QLNGL-190-R010-A0000	1.9																															
		QLNGL-200-R010-A0000	2.0																															
		QLNGL-210-R010-A0000	2.1																															
QLNGL-220-R010-A0000	2.2																																	
QLNGL-230-R010-A0000	2.3																																	
QLNGL-240-R010-A0000	2.4																																	
QLNGL-250-R010-A0000	2.5																																	

●:First choice ○:Option □:Customized

QSNGR/L



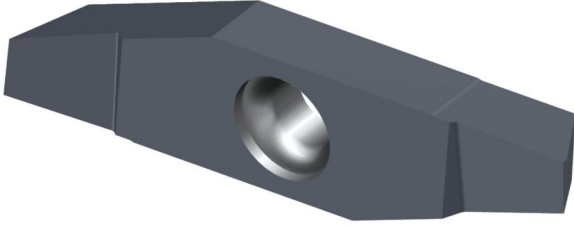
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel											●	●				◐	●	●
M	Stainless steel											●	●	◐	○	●	●	○	●
K	Cast iron											○	●				○		
N	Non ferrous metals											○							
S	titanium alloy											●	○	●				◐	

Chipformer	Shape	Model	Dimensions(mm)							PVD Coated																																		
			CW	CDX	RE	wl	S	Dl	PSIRR	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0																						
NO		QLNGL-020-R005-A1200	0.2	0.6	0.05	3	6.1	3.2	0°	20°																																		
		QLNGL-030-R005-A1200	0.3	0.8																																								
		QLNGL-040-R005-A1200	0.4																																									
		QLNGL-050-R005-A1200	0.5	1.2																																								
		QLNGL-060-R005-A1200	0.6																																									
		QLNGL-070-R010-A1200	0.7	2.0																																								
		QLNGL-075-R010-A1200	0.75																																									
		QLNGL-080-R010-A1200	0.8																																									
		QLNGL-090-R010-A1200	0.9	5.0								0.1																																
		QLNGL-095-R010-A1200	0.95																																									
		QLNGL-100-R010-A1200	1.00																																									
		QLNGL-110-R010-A1200	1.1																																									
		QLNGL-120-R010-A1200	1.2	6.0																																								
		QLNGL-125-R010-A1200	1.25																																									
		QLNGL-130-R010-A1200	1.3																																									
		QLNGL-140-R010-A1200	1.4																																									
		QLNGL-145-R010-A1200	1.45	7.0																																								
		QLNGL-150-R010-A1200	1.5																																									
		QLNGL-160-R010-A1200	1.6																																									
		QLNGL-170-R010-A1200	1.7	7.0																																								
		QLNGL-175-R010-A1200	1.75																																									
		QLNGL-180-R010-A1200	1.8																																									
		QLNGL-190-R010-A1200	1.9																																									
		QLNGL-200-R010-A1200	2.0	7.0																																								
		QLNGL-210-R010-A1200	2.1																																									
QLNGL-220-R010-A1200	2.2																																											
QLNGL-230-R010-A1200	2.3																																											
QLNGL-240-R010-A1200	2.4																																											
QLNGL-250-R010-A1200	2.5																																											

●:First choice ○:Option □:Customized

QSNCR/L



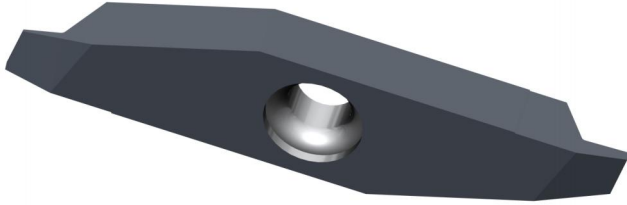
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel							◐	●					◐	●	◐
M	Stainless steel							●	●	◐	○	●	●	○	●	
K	Cast iron							○	●				○			
N	Non ferrous metals							○								
S	titanium alloy							●	○	●				◐		

Chipformer	Shape	Model	Dimensions(mm)										PVD Coated																				
			CW	α	PSIRR	CDX	RE	wl	S	DI	A	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0										
NO		QSNFL-030-R00-A0002	2.8	0.3	2°	4.5	0	3	6.1	3.2	20°					○	○	●	○	○	○	○	○	●	○								
		QSNFL-030-R00-A0005															○	○	●	○	○	○	○	○	○	○	○	○	○				
		QSNFL-015-R00-A0002										0.15	2°					○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○
		QSNFL-015-R00-A0005																	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○
YES		QSNFL-030-R00-A1202	2.8	0.3	2°	4.5	0	3	6.1	3.2	20°					○	○	●	○	○	○	○	○	○	○								
		QSNFL-030-R00-A1202															○	○	●	○	○	○	○	○	○	○	○	○	○	○	○		
		QSNFL-015-R00-A1202										0.15	2°					○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○
		QSNFL-015-R00-A1202																	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○

●:First choice ○:Option □:Customized

QSNBR/L



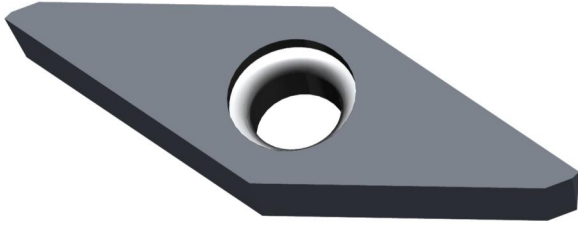
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel																	●	●			◐	●	●		
M	Stainless steel																		●	●	◐	○	●	●	○	●
K	Cast iron																		○	●			○			
N	Non ferrous metals																		○							
S	titanium alloy																		●	○	●			◐		

Chipformer	Shape	Model	Dimensions(mm)										PVD Coated																	
			CW	α	PSIRR	CDX	RE	wl	S	DI	A	B D J 2 0	B A J 2 0	S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S K 2 0	P A K 2 0							
NO		QSNBL-020-R00-A0002-10	1.0	0.2	2°	0.6	0	3	6	3.2	20°					○	○	●	○	○	○	○	●	○						
		QSNBL-020-R00-A0005-10	1.0	0.2	5°																		○	○	●	○	○	○	○	●
		QSNBL-050-R00-A0002-10	1.0	0.5	2°	2.0																○	○	●	○	○	○	○	●	○
		QSNBL-050-R00-A0005-10	1.0	0.5	5°																		○	○	●	○	○	○	○	●
		QSNBL-050-R00-A0002-15	1.5	0.5	2°	3.5																○	○	●	○	○	○	○	●	○
		QSNBL-050-R00-A0005-15	1.5	0.5	5°																		○	○	●	○	○	○	○	●
YES		QSNBL-020-R00-A0002-10	1.0	0.2	2°	0.6	0	3	6	3.2	20°					○	○	●	○	○	○	○	●	○						
		QSNBL-020-R00-A0005-10	1.0	0.2	5°																		○	○	●	○	○	○	○	●
		QSNBL-050-R00-A0002-10	1.0	0.5	2°	2.0																○	○	●	○	○	○	○	●	○
		QSNBL-050-R00-A0005-10	1.0	0.5	5°																		○	○	●	○	○	○	○	●
		QSNBL-050-R00-A0002-15	1.5	0.5	2°	3.5																○	○	●	○	○	○	○	●	○
		QSNBL-050-R00-A0005-15	1.5	0.5	5°																		○	○	●	○	○	○	○	●

●:First choice ○:Option ◻:Customized

QSVFR/L



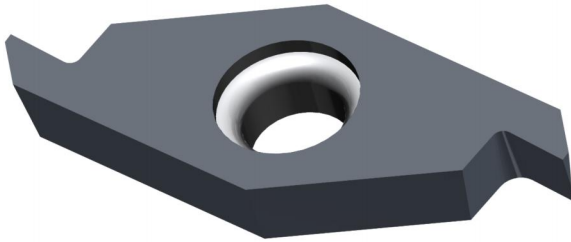
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel					●	●	●		●	●		◐	●
M	Stainless steel	●	●	●		●	●	●		●	●	●	●	●
K	Cast iron					○	○						●	
N	Non ferrous metals	○				○								○
S	titanium alloy	○	○	●		●	○	●	○				●	

Shape	Model	Dimensions(mm)				PVD Coated													
		α	PSIRR	RE	Chipformer	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0		
	QSVFR/L-030-R00-A0002	0.3	2°	0	NO	○	○	●	○	○	○	●	○	○	○	○	●	○	
	QSVFR/L-030-R00-A0005		5°			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	QSVFR/L-015-R00-A0002	0.15	2°			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	QSVFR/L-015-R00-A0005		5°			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	QSVFR/L-030-R00-A0402	0.3	2°	0	YES	○	○	●	○	○	○	●	○	○	○	○	●	○	
	QSVFR/L-030-R00-A0402		5°			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	QSVFR/L-015-R00-A0402	0.15	2°			○	○	●	○	○	○	●	○	○	○	○	○	●	○
	QSVFR/L-015-R00-A0402		5°			○	○	●	○	○	○	●	○	○	○	○	○	●	○

●:First choice ○:Option ◻:Customized

QSVBR/L



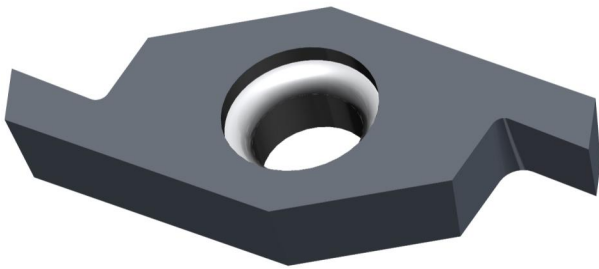
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

Material	Material Name	PS	SA	SS	PA	BS	BS	PS	PA	BS	BS	PS	PA	BS	BS
P	Carbon steel/alloy steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	Stainless steel	◐	●	●	●	●	●	●	●	●	●	●	●	●	●
K	Cast iron		○	○	●										
N	Non ferrous metals	○			○										○
S	titanium alloy	○	○	●	●	○	●	○							●

Shape	Model	Dimensions(mm)						Chipformer	PVD Coated																
		CW	α	PSIRR	CDX	RE	B D J 2 0		B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0						
	QSVBR/L-030-R00-A0005-10	1.0	0.3	5°	2.0	0	NO	○	○	●	○	○	○	●	○	○	○	○	○	●	○				
	QSVBR/L-030-R00-A0002-10	1.0	0.3	2°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	●	○		
	QSVBR/L-015-R00-A0002-10	1.0	0.15	2°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	
	QSVBR/L-015-R00-A0005-10	1.0	0.15	5°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	
	QSVBR/L-015-R00-A0005-10	1.2	0.3	5°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	
	QSVBR/L-030-R00-A0005-14	1.4	0.3	5°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	
	QSVBR/L-030-R00-A0405-10	1.0	0.3	5°	2.0	0	NO	○	○	●	○	○	○	●	○	○	○	○	○	○	●	○			
	QSVBR/L-030-R00-A0402-10	1.0	0.3	2°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	
	QSVBR/L-015-R00-A0402-10	1.0	0.15	2°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	
	QSVBR/L-015-R00-A0405-10	1.0	0.15	5°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○	●	○
	QSVBR/L-030-R00-A0405-12	1.2	0.3	5°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○	●	○
	QSVBR/L-030-R00-A0405-14	1.4	0.3	5°				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○	●	○

●:First choice ○:Option □:Customized

QSVCR/L



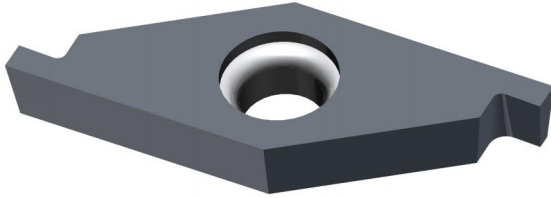
Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

Material	Material Name	B	B	S	P	B	B	S	P	B	B	S	P	B	B	S	P
P	Carbon steel/alloy steel			●	●	●		●	●			◐	○	●			
M	Stainless steel	●	●	●		●	●	●		●	●	●	●	●	●	●	●
K	Cast iron			○	○			●						●			
N	Non ferrous metals	○			○												○
S	titanium alloy	○	○	●		●	○	●	○					●			

Shape	Model	Dimensions(mm)				Chipformer	PVD Coated																	
		CW	PSIRR	CDX	RE		B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0						
	QSVCR/L-060-R00-A0025	0.6	25°	1.5	0	NO	○	○	●	○	○	○	●	○	○	○	○	●	○					
	QSVCR/L-070-R00-A0025	0.7		2			○	○	●	○	○	○	●	○	○	○	○	○	○	○	●	○		
	QSVCR/L-080-R00-A0025	0.8		2			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QSVCR/L-090-R00-A0025	0.9		2			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QSVCR/L-100-R00-A0025	1.0		2.5			○	○	●	○	○	○	○	●	○	○	○	○	○	○	○	●	○	
	QSVCR/L-130-R00-A0025	1.3		2.5			○	○	●	○	○	○	○	●	○	○	○	○	○	○	○	○	●	○
	QSVCR/L-150-R00-A0025	1.5		2.5			○	○	●	○	○	○	○	●	○	○	○	○	○	○	○	○	●	○
	QSVCR/L-060-R00-A0525	0.6	25°	1.5	0	YES	○	○	●	○	○	○	●	○	○	○	○	○	●	○				
	QSVCR/L-070-R00-A0525	0.7		2			○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	
	QSVCR/L-080-R00-A0525	0.8		2			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QSVCR/L-090-R00-A0525	0.9		2			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QSVCR/L-100-R00-A0525	1.0		2.5			○	○	●	○	○	○	○	●	○	○	○	○	○	○	○	○	●	○
	QSVCR/L-130-R00-A0525	1.3		2.5			○	○	●	○	○	○	○	●	○	○	○	○	○	○	○	○	●	○
	QSVCR/L-150-R00-A0525	1.5		2.5			○	○	●	○	○	○	○	●	○	○	○	○	○	○	○	○	●	○

●:First choice ○:Option □:Customized

QSVGR/L



Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel			●	●	●		●	●		◐	○	◐
M	Stainless steel	◐	●	●		●	●	◐		●	●	●	●
K	Cast iron			○		○		●				●	
N	Non ferrous metals	○				○							○
S	titanium alloy	○	○	◐		●	○	●	○			●	

Shape	Model	Dimensions(mm)				PVD Coated																
		CW	CDX	RE	Chipformer	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0					
	QSVGR/L-025-R00-A0000	0.25	0.15	0	1.4	○	○	●	○	○	○	●	○	○	○	○	○	○	○			
	QSVGR/L-030-R00-A0000	0.3				□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QSVGR/L-035-R00-A0000	0.35				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○	
	QSVGR/L-040-R00-A0000	0.4				□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QSVGR/L-045-R00-A0000	0.45				□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QSVGR/L-050-R00-A0000	0.5				○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○	
	QSVGR/L-055-R00-A0000	0.55	□			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QSVGR/L-060-R00-A0000	0.6	□			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QSVGR/L-065-R00-A0000	0.65	□			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QSVGR/L-070-R00-A0000	0.7	□			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QSVGR/L-075-R00-A0000	0.75	○			○	●	○	○	○	●	○	○	○	○	○	○	○	○	○		
	QSVGR/L-080-R00-A0000	0.8	□			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QSVGR/L-085-R00-A0000	0.85	□			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QSVGR/L-090-R00-A0000	0.9	□			□	□	□	□	□	□	□	□	□	□	□	□	□	□	□		
	QSVGR/L-095-R00-A0000	0.95	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□				
	QSVGR/L-100-R00-A0000	1.0	○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○				
	QSVGR/L-110-R00-A0000	1.1	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□				
	QSVGR/L-120-R00-A0000	1.2	□	2.6	0.05	NO	□	□	□	□	□	□	□	□	□	□	□	□	□			
	QSVGR/L-130-R00-A0000	1.3	□				□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
	QSVGR/L-140-R00-A0000	1.4	□				□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
QSVGR/L-150-R00-A0000	1.5	○	○				●	○	○	○	●	○	○	○	○	○	○	○	○	○		
QSVGR/L-025-R05-A0000	0.25	0.3	○				○	●	○	○	○	●	○	○	○	○	○	○	○	○		
QSVGR/L-050-R05-A0000	0.5	0.6	○				○	●	○	○	○	●	○	○	○	○	○	○	○	○		
QSVGR/L-075-R05-A0000	0.75	1.4	○	○			●	○	○	○	●	○	○	○	○	○	○	○	○			
QSVGR/L-095-R05-A0000	0.95	1.4	□	□			□	□	□	□	□	□	□	□	□	□	□	□	□			
QSVGR/L-100-R05-A0000	1.0	1.4	○	○			●	○	○	○	●	○	○	○	○	○	○	○	○			
QSVGR/L-150-R05-A0000	1.5	2.6	○	○			●	○	○	○	●	○	○	○	○	○	○	○	○			
	QSVGR/L-025-R05-A0500	0.25	0.3	0.05			YES	○	○	●	○	○	○	●	○	○	○	○	○	○		
	QSVGR/L-050-R05-A0500	0.5	0.6					○	○	●	○	○	○	●	○	○	○	○	○	○	○	○
	QSVGR/L-075-R05-A0500	0.75	1.4					○	○	●	○	○	○	●	○	○	○	○	○	○	○	○
	QSVGR/L-095-R05-A0500	0.95	1.4					□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
	QSVGR/L-100-R05-A0500	1.0	1.4		○	○		●	○	○	○	●	○	○	○	○	○	○	○	○		
	QSVGR/L-150-R05-A0500	1.5	2.6		○	○		●	○	○	○	●	○	○	○	○	○	○	○	○		

●:First choice ○:Option □:Customized

QBS & QBW BACK TURNING

✉ edison@preciturntools.com

🌐 <https://www.preciturntools.com>



QABS/QABW



Use taxonomies	
●	: First choice/continuous cutting
○	: Option/continuous cutting
◐	: light interrupted cutting
⊕	: interrupted cutting

P	Carbon steel/alloy steel			●	●	●						●
M	Stainless steel	●	●	●	●	●						●
K	Cast iron	●			○	●						
N	Non ferrous metals	○			○							
S	titanium alloy	○			●	●						

Shape	Model	Dimensions(mm)	PVD Coated											
		RE	B D J 2 0	B A J 2 0	S S J 2 0	P A J 2 0	B D G 2 0	B A G 2 0	S S G 2 0	P A G 2 0	B D K 2 0	B A K 2 0	S S K 2 0	P A K 2 0
	QBS15R4005	0.05	○	●		○	●							●
	QBS15R4010	0.1	□	□		□								□
	QBS15R4015	0.15	○	●		○	●							●
	QBS15R4015	0.2	□	□		□								□
	QBS15R4025	0.25	□	□		□								□
	QBW15R4005	0.05	○	●		○	●							●
	QBW15R4010	0.1	□	□		□								□
	QBW15R4015	0.15	○	●		○	●							●
	QBW15R4020	0.2	□	□		□								□
	QBW15R4025	0.25	□	□		□								□
	QBW23R5005	0.05	○	●		○	●							●
	QBW23R5010	0.1	□	□		□								□
	QBW23R5015	0.15	○	●		○	●							●
	QBW23R5020	0.2	□	□		□								□
	QBW23R5025	0.25	□	□		□								□

●:First choice ○:Option □:Customized

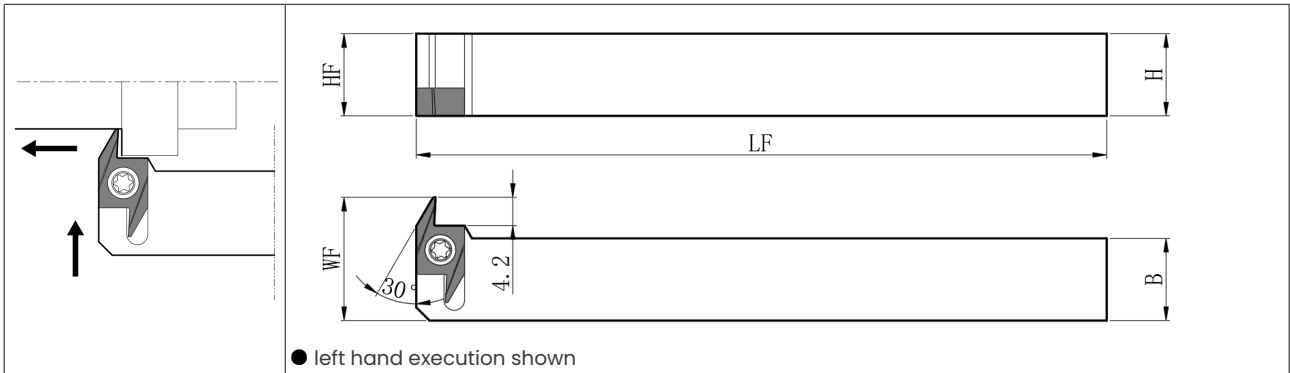
tool holder

✉ edison@preciturntools.com

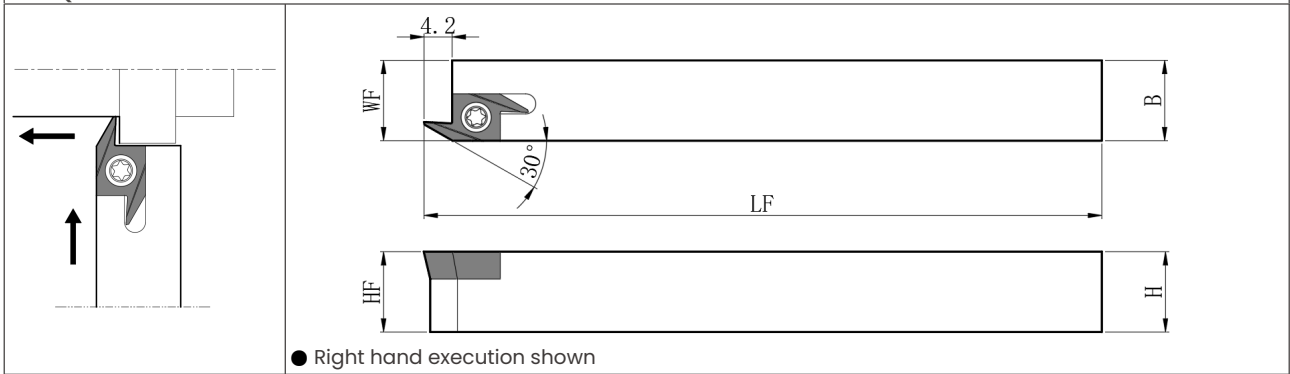
🌐 <https://www.preciturntools.com>



■ SQABSS-40F



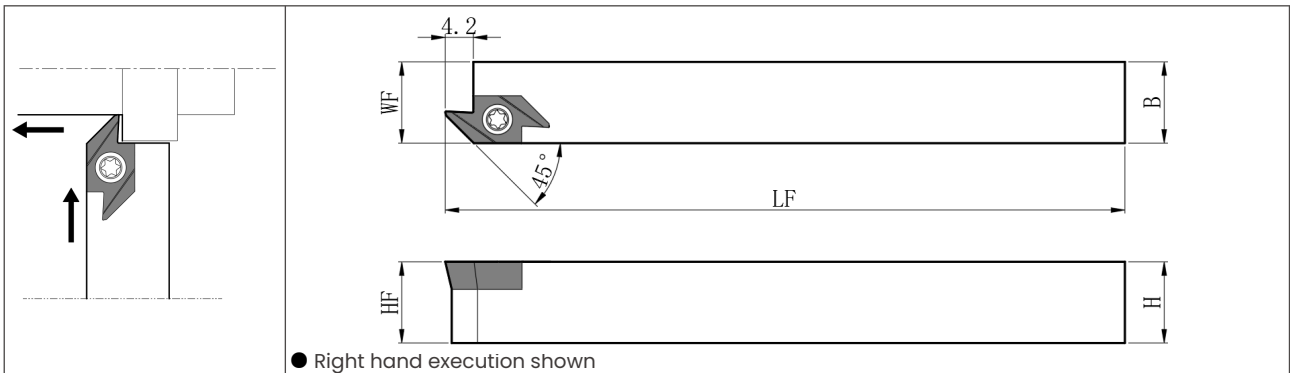
■ SQABS-40F





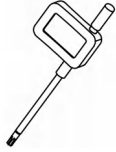
● Toolholder size

Model		in stock	Dimensions (mm)					R (RE)	inserts	Spare Parts	
			H	HF	B	LF	WF			screw	torx wrenchescrew
SQABSSL	1010JX-40F	●	10	10	10	125	14	QABS 15R40...	M3.0	T10	
SQABSSL	1212JX-40F	●	12	12	12		18				
SQABSSL	1616JX-40F	●	16	16	16		22				
SQABSSL	2020JX-40F	●	20	20	20		26				
SQABSR	1010JX-40F	●	10	10	10	120	10.2	QABS 15R40...	M3.0	T10	
SQABSR	1212JX-40F	●	12	12	12		12.2				
SQABSR	1616JX-40F	●	16	16	16		16.2				
SQABSR	1212F-40F	●	12	12	12						
SQABSR	2020K-40F	●	20		20	125	20.2				

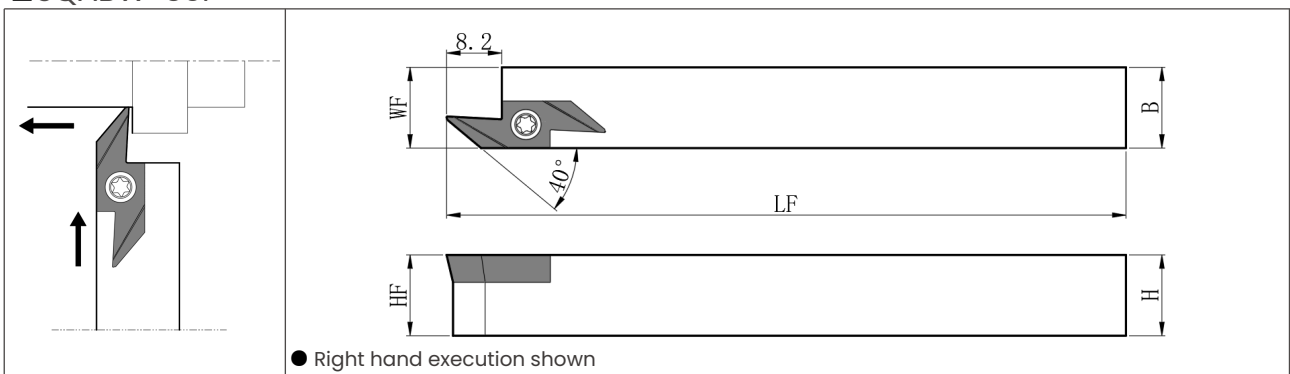
■ SQABW-40F





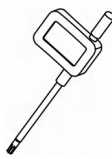
● Toolholder size

Model		in stock	Dimensions (mm)					R (RE)	inserts	Spare Parts	
			H	HF	B	LF	WF			screw	torx wrenchscrew
SQABWR	1010JX-40F	●	10	10	10	120	10.2	 QABW 15R40...	 M3.0	 T10	
SQABWR	1212JX-40F	●	12	12	12		12.2				
SQABWR	1616JX-40F	●	16	16	16		16.2				
SQABWR	2020K-40F	●	20	20	20		125				20.2

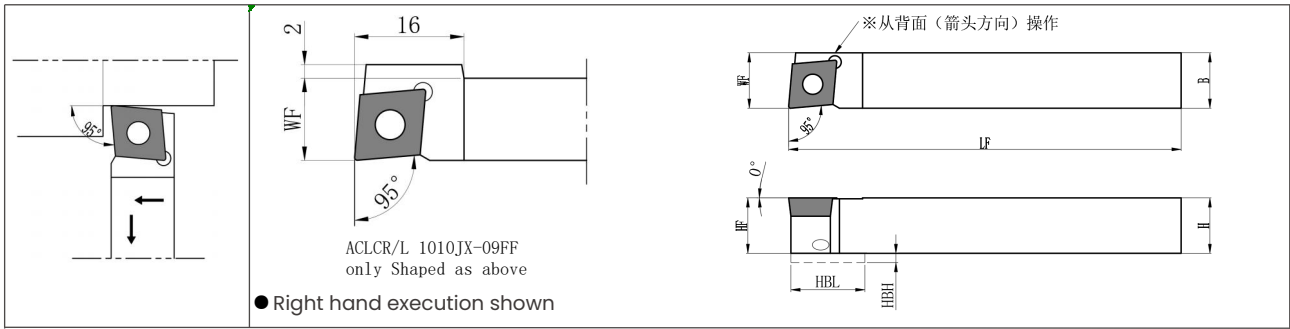
■ SQABW-50F



■ Toolholder size

Model		in stock	Dimensions (mm)					(RE)	inserts	Spare Parts	
			H	HF	B	LF	WF			screw	torx wrenchscrew
SQABWR	1010JX-50F	●	10	10	10	120	10.2	 QABW 23R50...	 M3.0	 T10	
SQABWR	1212JX-50F	●	12	12	12		12.2				
SQABWR	1616JX-50F	●	16	16	16		16.2				
SQABWR	2020K-50F	●	20	20	20	125	20.2				0.15

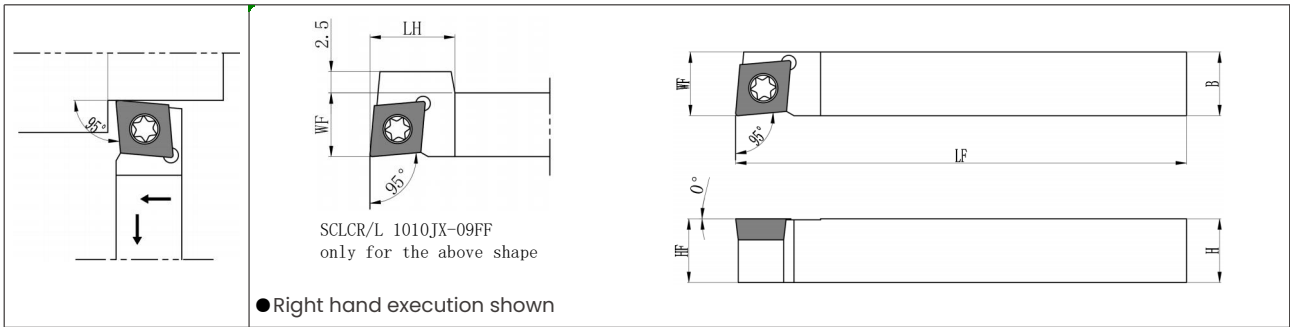
■ ACLC-FF (without offset head) (OD/end face machining)



● Toolholder size

Model		In stock		Dimensions (mm)							(RE)	inserts	Spare Parts		
		R	L	H	HF	HBH	B	LF	HBL	WF			tubular rivet	screw	torx wrench
ACLCLR/L	1010JX-06FF	●	●	10	10	—	10	120	—	10	0.2	CC-0602	LPF-11	HSBx8R/L	FH-2
ACLCLR/L	1010JX-09FF	●	●	10	10	2	10		16	10					
ACLCLR/L	1212JX-09FF	●	●	12	12	—	12		—	12			LPF-17		
ACLCLR/L	1616JX-09FF	●	●	16	16	—	16		—	16					

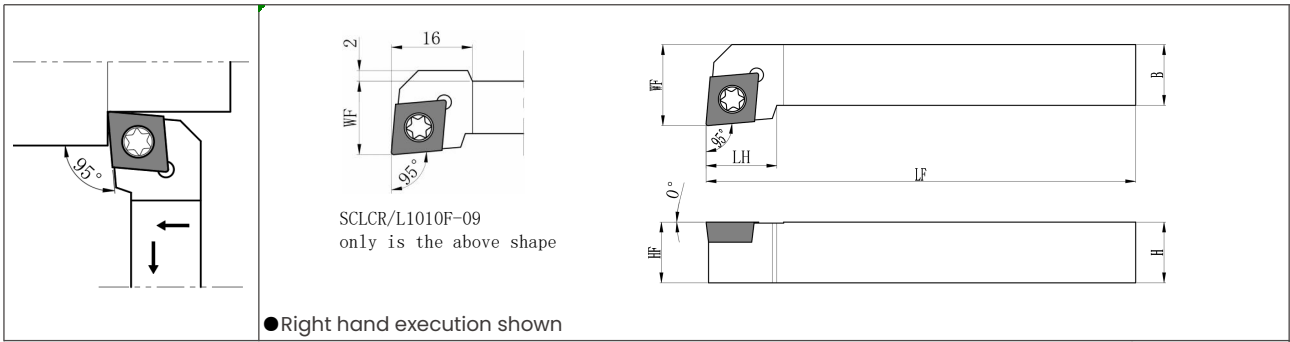
■ SCLC-FF (without offset head) (OD/end face machining)



● Toolholder size

Model		In stock		Dimensions (mm)							(RE)	inserts	Spare Parts	
		R	L	H	HF	B	LF	LH	WF	screw			torx wrench	
SCLCR/L	0808F-06FF	●	●	8	8	8	85	-	8	0.2				
SCLCR/L	1010JX-06FF	●	●	10	10	10	120	15	10					M2.5
SCLCR/L	1010JX-09FF	●	●	10	10	10			120	15	10	0.2		
SCLCR/L	1212F-09FF	●	●	12	12	12	85	12						
SCLCR/L	1212JX-09FF	●	●	12	12	12	120	-	12	0.2				
SCLCR/L	1616JX-09FF	●	●	16	16	16			120					16
SCLCR/L	2020JX-09FF	●	●	20	20	20	120	-	20	0.2				
SCLCR/L	2020JX-09FF	●	●	20	20	20			120					20

■ A-SVUC(B)-AE General vibration-resistant toolholder (profiling)



● Toolholder size

Model		in stock		Dimensions (mm)						R (RE)	inserts	Spare Parts		
		R	L	H	HF	B	LF	LH	WF			screw	torx wrench	Hex wrench
SCLCR/L	1010F-06	●	●	10	10	10	80	9	12	0.2	CC...0602	M2.5	T8	—
SCLCR/L	1010F-09	●	●	10	10	10	80	14	0.2					
SCLCR/L	1212H-09	●	●	12	12	12	100	16		0.2	CC...09T3	M4.0	T15	—
SCLCR/L	1616H-09	●	●	16	16	16		15	20					
SCLCR/L	2020K-09	●	●	20	20	20	125	20	25	0.2	CC...1204	M5.0	—	LTW-20
SCLCR/L	2525M-09	●	●	25	25	25	150	22	32					
SCLCR/L	1616H-12	●	●	16	16	16	100	20	20	0.4	CC...1204	M5.0	—	LTW-20
SCLCR/L	2020K-12	●	●	20	20	20	125	22	25					
SCLCR/L	2525M-12	●	●	25	25	25	150	22	32	0.4	CC...1204	M5.0	—	LTW-20

■ ADJC-FF (without offset head) (O.D. / profiling)

※从背面（箭头方向）操作

ADJCR/L 1010JX-11FF ONLY ADJCR/L
1212JX-11FF THE ABOVE SHAPE

● Right hand execution shown

※从背面（箭头方向）操作

● Toolholder size

Model	in stock		Dimensions (mm)								R (RE)	inserts	Component		
	R	L	H	HF	HBH	B	LF	LH	WF	HBKW			tubular rivet	screw	torx wrench
ADJCR/L 1010JX-07FF	●	●	10	10	—	10	120	—	10	—	0.2	DC...0702	LPF-11	HSBx8R/L	FH-2
ADJCR/L 1010JX-11FF	●	●	10	10	2	10			20	10					
ADJCR/L 1212JX-11FF	●	●	12	12	—	12	120	—	12	1	0.2	DC...11T3	LPF-13	HSBx8R/L	FH-2
ADJCR/L 1616JX-11FF	●	●	16	16	—	16			—	16					

■ SDJC-FF (without offset head) (O.D. / profiling)

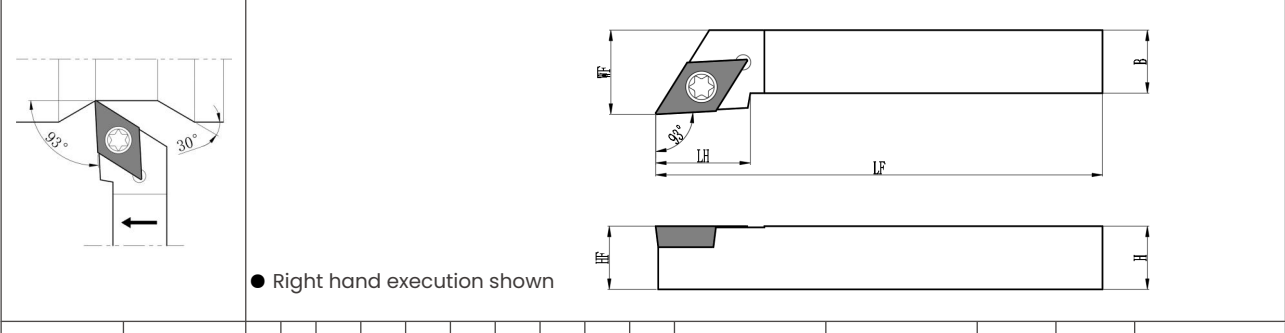
SDJCR/L 0808F-07FF
SDJCR/L 1010JX-11FF
SDJCR/L 1212..-11FF

● Right hand execution shown

● Toolholder size

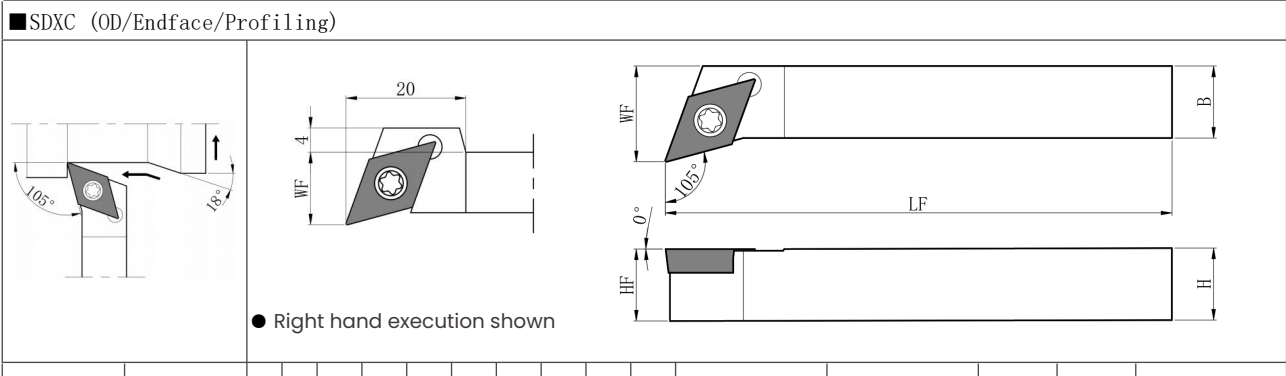
Model	in stock		Dimensions (mm)								R (RE)	inserts	Spare Parts	
	R	L	H	HF	B	LF	LH	WF	HBKW	screw			torx wrench	
SDJCR/L 0808F-07FF	●	●	8	8	8	85	14	8	0.5	0.2	DC...0702	M2.5	T8	
SDJCR/L 1010JX-07FF	●	●	10	10	10	120	—	10	—					
SDJCR/L 1010JX-11FF	●	●	10	10	10			120	—	10	3	0.2	DC...11T3	M4.0
SDJCR/L 1212F-11FF	●	●	12	12	12	85	20			12	1			
SDJCR/L 1212JX-11FF	●	●	12	12	12	120	—	12	1	0.2	DC...11T3	M4.0	T15	
SDJCR/L 1616JX-11FF	●	●	16	16	16			—	—					16
SDJCR/L 2020JX-11FF	●	●	20	20	20	—	—	20	—	0.2	DC...11T3	M4.0	T15	

■SDJC (OD/Profiling)



●Toolholder size

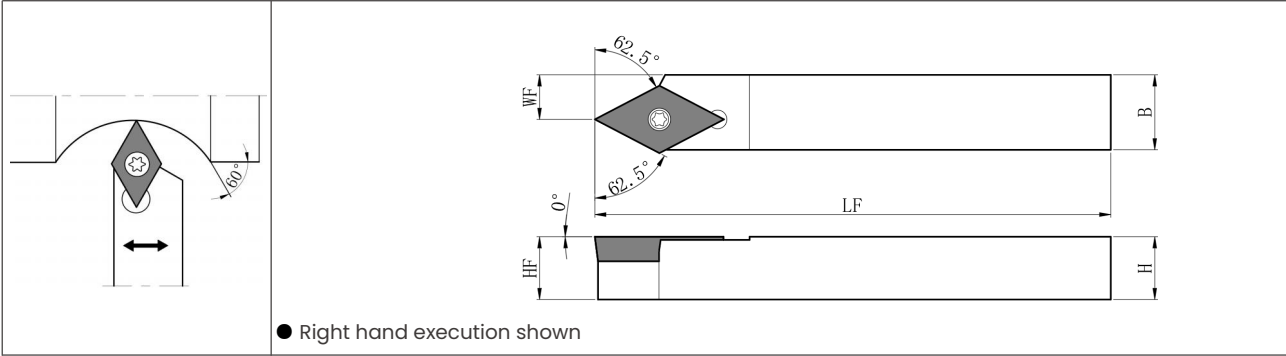
Model		in stock		Dimensions (mm)							R (RE)	inserts	Spare Parts	
		R	L	H	HF	B	LF	LH	WF	screw			torx wrench	
SDJCR/L	1010F-07	●	●	10	10	10	80	12	12	0.2	DC...0702	M2.5	T8	
SDJCR/L	1010F-11	●	●	10	10	10		12						
SDJCR/L	1212H-11	●	●	12	12	12	100	18	16	0.2	DC...11T3	M4.0	T15	
SDJCR/L	1616H-11	●	●	16	16	16			20					
SDJCR/L	2020K-11	●	●	20	20	20			125					25
SDJCR/L	2525M-11	●	●	25	25	25	150	23	32					



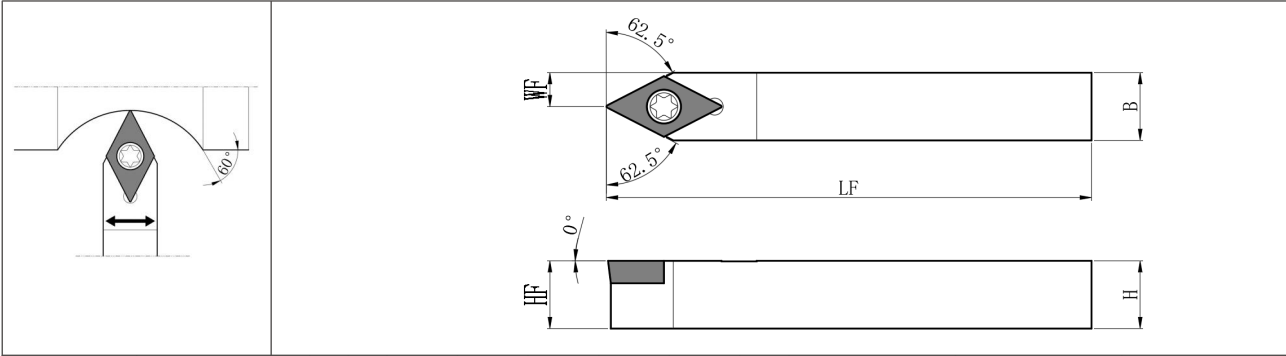
● Toolholder size

Model		in stock		Dimensions (mm)							R (RE)	inserts	Spare Parts	
		R	L	H	HF	B	LF	WF	screw	torx wrench				
SDXCR/L	1010JX-07	●	●	10	10	10	120	12	0.2	DC···0702	M2.5	T8		
SDXCR/L	1010JX-11	●	●	10	10	10								
SDXCR/L	1212JX-11	●	●	12	12	12								
SDXCR/L	1616JX-11	●	●	16	16	16		20						

■SDNC-F (O.D. / Profiling)



■SDUC (OD/Profiling)



● Toolholder size

Model		in stock			Dimensions (mm)					R (RE)	inserts	Spare Parts	
		R	N	L	H	HF	B	LF	WF			screw	torx wrench
SDNCR/L	1010JX-07F	●		●	10	10	10	120	7	0.2			
SDNCN	1010JX-07		●		10	10	10	120	5	0.2	DC...0702	M2.5	T8
SDNCN	1212JX-07		●		12	12	12		6				
SDNCN	1010JX-11		●		10	10	10		5				
SDNCN	1212JX-11		●		12	12	12	6	0.2	DC...11T3	M4.0	T15	
SDNCN	1616JX-11		●		16	16	16	8					
SDNCN	0808F-07		●		8	8	8	85	4	0.2	DC...0702	M2.5	T8
SDNCN	1010F-11		●		10	10	10	80	5	0.2	DC...11T3	M4.0	T15
SDNCN	1212F-11		●		12	12	12	85	6				
SDNCN	1616H-11		●		16	16	16	100	8				

■SDLC-FF (without offset head) (O.D. / profiling)

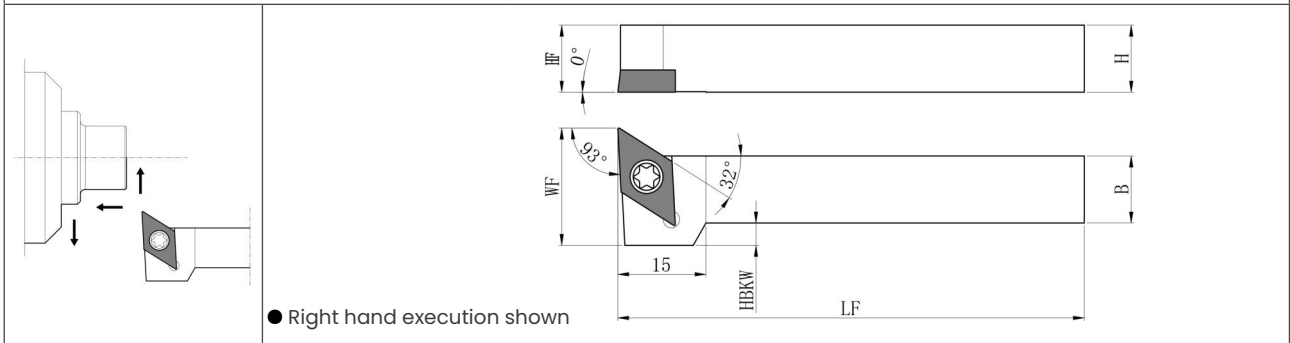
仅 SDLCR/L 1010..-11FF
SDLCR/L 1212..-11FF
为上述形状

● Right hand execution shown

● Toolholder size

Model		in stock		Dimensions (mm)						R (RE)	inserts	Spare Parts	
		R	L	H	HF	B	LF	WF	HBKW			screw	torx wrench
SDLCR/L	1010JX-07FF	●	●	10	10	10	120	10	-		M2.5		
SDLCR/L	1212JX-07FF	●	●	12	12	12		12					
SDLCR/L	1616JX-07FF	●	●	16	16	16		16					
SDLCR/L	1010JX-11FF	●	●	10	10	10	120	10	0.2		M4.0	T15	
SDLCR/L	1212JX-11FF	●	●	12	12	12		12					2
SDLCR/L	1616JX-11FF	●	●	16	16	16		16					-
SDLCR/L	1212F-07F	●	●	12	12	12	85	12	-		M2.5	T8	
SDLCR/L	1010F-11	●	●	10	10	10	80	10	4		M4.0	T15	
SDLCR/L	1212F-11	●		12	12	12	85	12	2				
SDLCR/L	1616H-11	●		16	16	16	100	16	-				

■SDUC (for row of tool holders) (O.D. / profiling)



● Toolholder size

Model		in stock		Dimensions (mm)						R (RE)	inserts	Component	
		R	L	H	HF	B	LF	WF	HBKW			screw	torx wrench
		SDUCR/L	1010K 11	●	●	10	10	10	120			15	6
SDUCR/L	1212K 11	●	●	12	12	12	17	4					
SDUCR/L	1616K 11	●	●	16	16	16	20	0					
SDUCR/L	2020K 11	●	●	20	20	20	25	0					

■ AVJB-FF (without offset head) (O.D. / profiling)

● Right hand execution shown

● Toolholder size

Model		in stock		Dimensions (mm)					R (RE)	inserts	Spare Parts				
		R	L	H	HF	B	LF	WF			tubular rivet	screw	torx wrench		
AVJBR/L	1010JX-11FF	●	●	10	10	10	120	10	0.4	VB...1103	LPF-11	HSBx8R/L			
AVJBR/L	1212JX-11FF	●	●	12	12	12					12			LPF-1113	FH-2
AVJBR/L	1616JX-11FF	●	●	16	16	16					16			LPF-1117	

■ SVJB-FF (without offset head) (O.D. / profiling)

● Right hand execution shown

● Toolholder size

Model		in stock		Dimensions (mm)					R (RE)	inserts	Spare Parts		
		R	L	H	HF	B	LF	WF			screw	torx wrench	
SVJBR/L	1010JX-11FF	●	●	10	10	10	120	10	0.4	VB...1103	M2.5	T8	
SVJBR/L	1212JX-11FF	●	●	12	12	12							12
SVJBR/L	1616JX-11FF	●	●	16	16	16							16
SVJBR/L	2020JX-11FF	●	●	20	20	20							20

■SVJB (OD/Profiling)

●Right hand execution shown

●Toolholder size

Model	in stock		Dimensions (mm)							R (RE)	inserts	Component				
	R	L	H	HF	B	LF	LH	WF	screw			torx wrench	SHIM	screw	Hex wrench	
SVJBR/L 2020K-11	●	●	20	20	20	125	30	25	0.4	VB...1103	M2.5	T8	-	-	-	
SVJBR/L 2525M-11	●	●	25	25	25	150	35	32								
SVJBR/L 2020K-16N	●	●	20	20	20	125	30	25	0.8	VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4	
SVJBR/L 2525M-16N	●	●	25	25	25	150										32

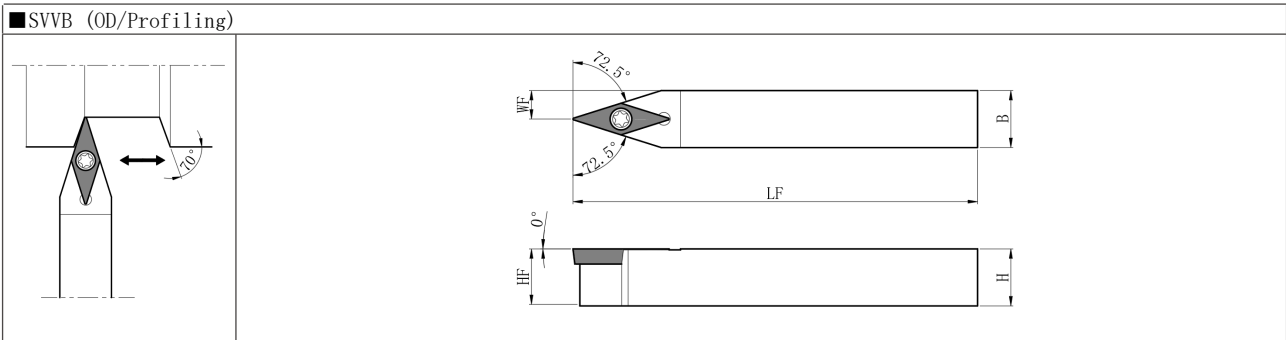
■SVPB (OD/end face/profiling/clearance machining)

●Right hand execution shown

刀尖R (RE)	ap	DCN (MIN.)
0.4	0.5	φ25
	1	φ30
0.8	0.5	φ25
	1	φ30

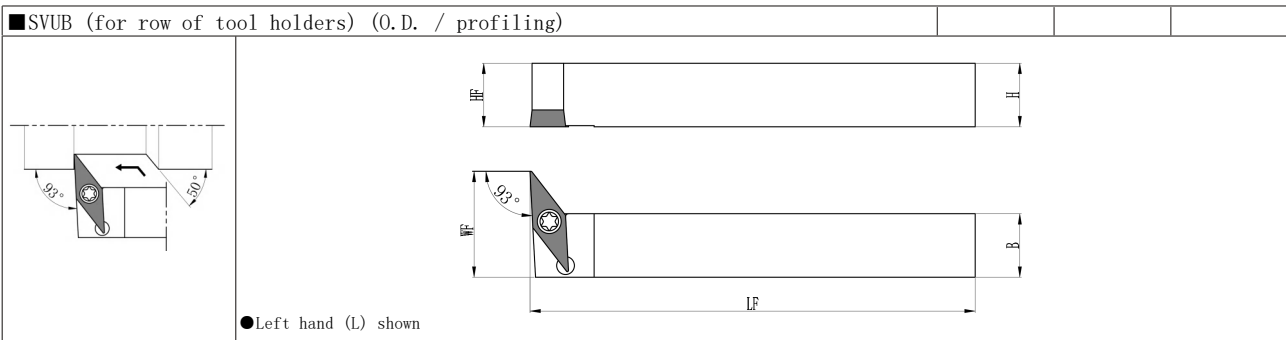
●Toolholder size

Model	in stock		Dimensions (mm)							R (RE)	inserts	Spare Parts				
	R	L	H	HF	B	LF	WF	screw	torx wrench			SHIM	screw	Hex wrench		
SVPBR/L 1010JX-11	●	●	10	10	10	120	17	15	0.4	VB...1103	M2.5	T8	-	-	-	
SVPBR/L 1212JX-11	●	●	12	12	12											
SVPBR/L 1616JX-11	●	●	16	16	16											
SVPBR/L 2020K-11	●	●	20	20	20	125	25	0.4	-	-	-	-	-	-		
SVPBR/L 2525M-11	●	●	25	25	25	150	32									
SVPBR/L 2020K-16N	●	●	20	20	20	125	25	0.8	VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4		
SVPBR/L 2525M-16N	●	●	25	25	25	150	32									



●Toolholder size

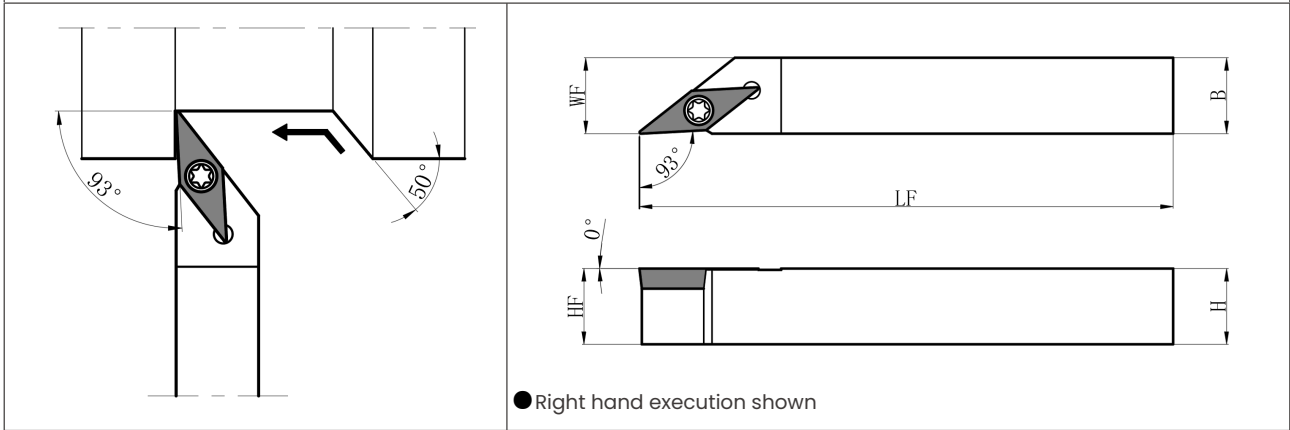
Model		in stock							Dimensions (mm)		R (RE)	inserts	Spare Parts				
		R	L	H	HF	B	LF	WF	screw	torx wrench			SHIM	screw	Hex wrench		
SVVBN	1212F-11	●	●	12	12	12	85	6	0.4		M2.5	T8	-	-	-		
SVVBN	1010JX-11	●	●	10	10	10		5									
SVVBN	1212JX-11	●	●	12	12	12	120	6									
SVVBN	1616JX-11	●	●	16	16	16		8									
SVVBN	1010F-11	●	●	10	10	10	80	5									
SVVBN	1616H-11	●	●	16	16	16	100	8									
SVVBN	2020K-11	●	●	20	20	20	125	10									
SVVBN	2525M-11	●	●	25	25	25	150	13	0.8		M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4		
SVVBN	2020K-16N	●	●	20	20	20	125	10									
SVVBN	2525M-16N	●	●	25	25	25	150	13									



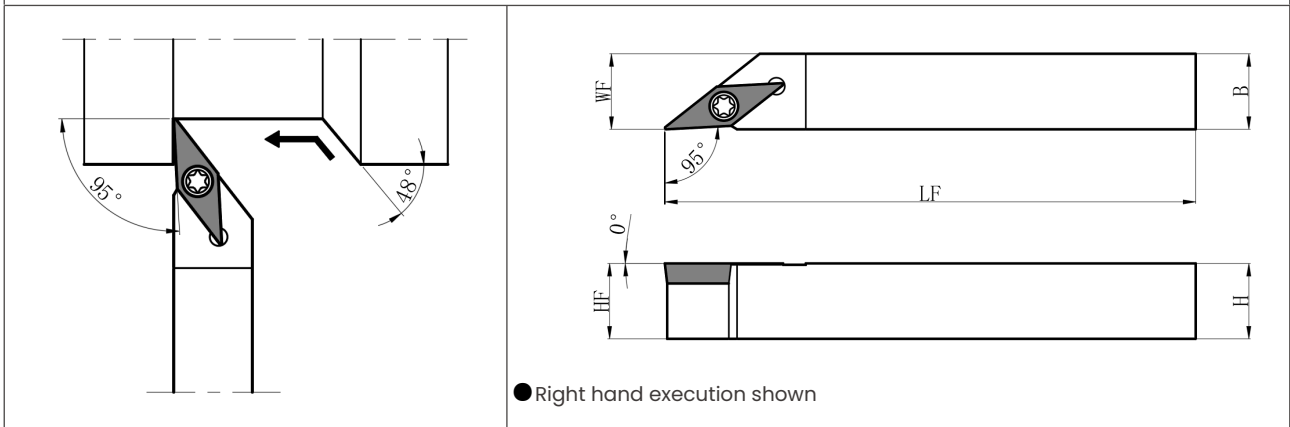
●Toolholder size




Model		in stock							Dimensions (mm)		R (RE)	inserts	Spare Parts	
		R	L	H	HF	B	LF	WF	screw	torx wrench				
SVUBR/L	1212JX-11	●	●	12	12	12		20	0.4		M2.5	T8		
SVUBR/L	1616JX-11	●	●	16	16	16	120	25						
SVUBR/L	2020K-11	●	●	20	20	20		29						

■SVJC-FF (without offset head) (O.D. / profiling)

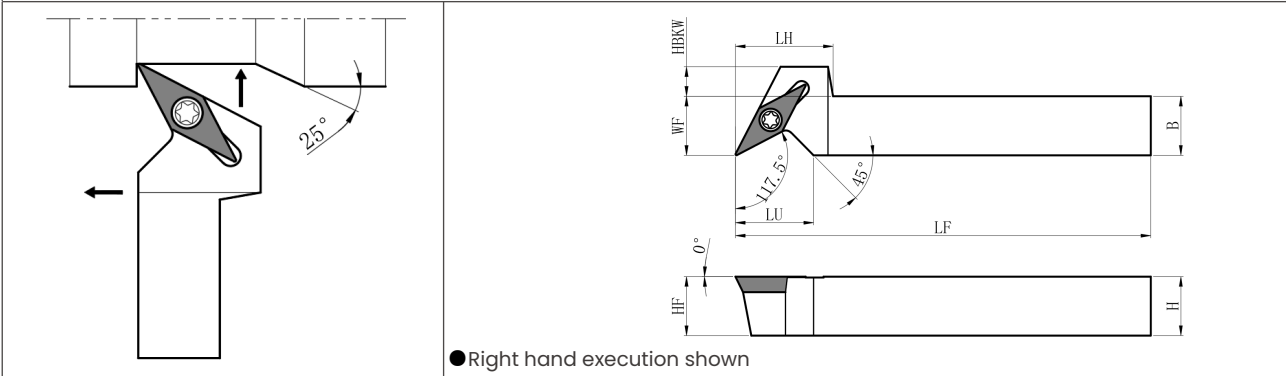


■SVLC-FF (without offset head) (O.D. / profiling)



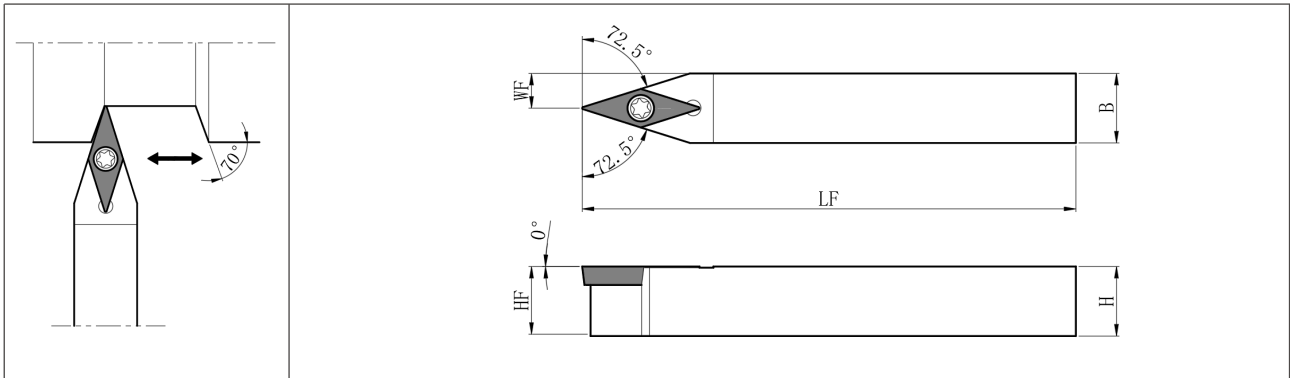
●Toolholder size												
Model		in stock		Dimensions (mm)					R (RE)	inserts 	Spare Parts	
		R	L	H	HF	B	LF	WF			screw 	torx wrench 
SVJCR/L	1010JX-11FF	●	●	10	10	10	120	10	0.2	VC•••1103	M2.5	T8
SVJCR/L	1212F-11FF	●	●	12	12	12	85	12				
SVJCR/L	1212JX-11FF	●	●	12	12	12	120	12				
SVJCR/L	1616JX-11FF	●	●	16	16	16		16				
SVJCR/L	2020JX-11FF	●	●	20	20	20		20				
SVLCR/L	1212F-11FF	●	●	12	12	12	85	12	0.2	VC•••1103	M2.5	T8
SVLCR/L	1212JX-11FF	●	●	12	12	12	120	12				
SVLCR/L	1616JX-11FF	●	●	16	16	16		16				

■SVPC-FF (without offset head) (OD/end face/profile/clearance machining)





●Toolholder size

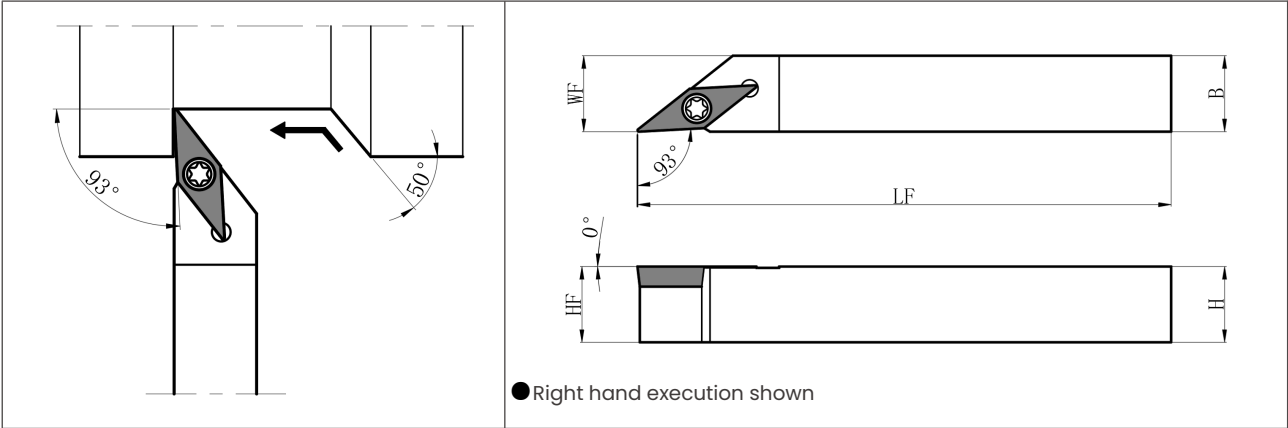
Model		in stock		Dimensions (mm)								R (RE)	inserts	Spare Parts	
		R	L	H	HF	B	LF	LU	LH	WF	HBKW			screw	torx wrench
SVPCR	1010JX-11FF	●	●	10	10	10	120	16	20	10	8	0.2	VB...1103	M2.5	T8
SVPCR	1212F-11FF	●	●	12	12	12	85			12	6				
SVPCR	1212JX-11FF	●	●	12	12	12	120	20	16	2					
SVPCR	1616JX-11FF	●	●	16	16	16									



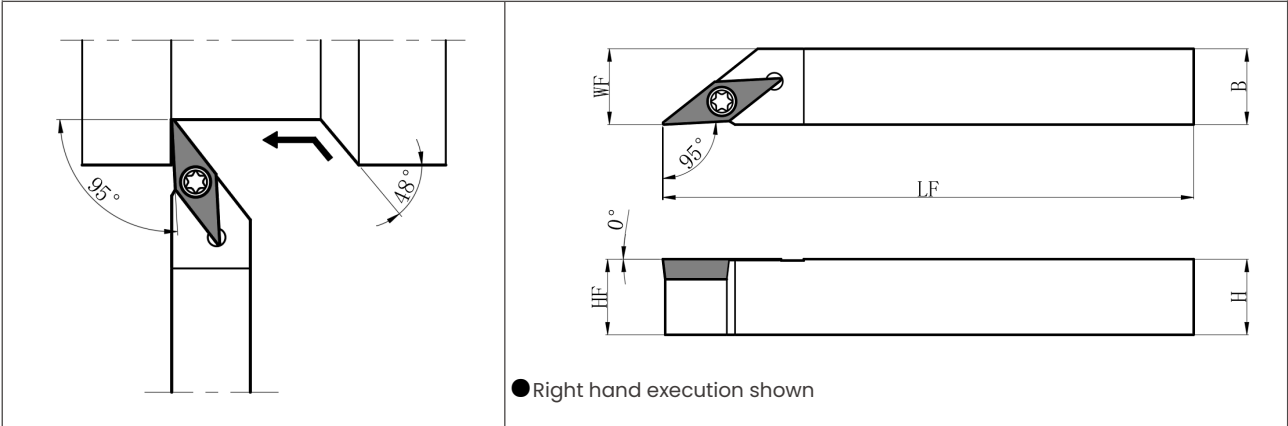
● Toolholder size




Model		in stock		Dimensions (mm)				标准 刀尖 R (RE)	inserts	Spare Parts	
		R	L	H	HF	B	LF			WF	screw
SVVCN	1010JX-11	●	●	10	10	10	120	5	VB•••1103		
SVVCN	1212JX-11	●	●	12	12	12		6			
SVVCN	1616JX-11	●	●	16	16	16		8			

■SVJP-FF (without offset head) (O.D. / profiling)



■SVLP-FF (without offset head) (O.D. / profiling)



●Toolholder size												
Model		in stock		Dimensions (mm)					R (RE)	inserts 	Spare Parts	
		R	L	H	HF	B	LF	WF			screw 	torx wrench 
		SVJPR/L	1212F-11FF	●	●	12	12	12			85	12
SVJPR/L	1212JX-11FF	●	●	12	12	12	120	12				
SVJPR/L	1616JX-11FF	●	●	16	16	16		16				
SVJPR/L	2020JX-11FF	●	●	20	20	20		20				
SVLPR/L	1010JX-08FF	●	●	10	10	10	120	10	0.1	VP...0802	M2.0	T6
SVJPR/L	1212JX-08FF	●	●	12	12	12		12				
SVJPR/L	1616JX-08FF	●	●	16	16	16		16				
SVLPR/L	1212JX-11FF	●	●	12	12	12	120	12	0.2	VP...1103	M2.5	T8
SVLPR/L	1616JX-11FF	●	●	16	16	16		16				
SVLPR/L	1212F-08FF	●	●	12	12	12	85	12	0.1	VP...0802	M2.0	T6
SVLPR/L	1212F-11FF	●	●	12	12	12	85	12	0.2	VP...1103	M2.5	T8

■SVPP-FF (without offset head) (OD/end face/profile/clearance machining)

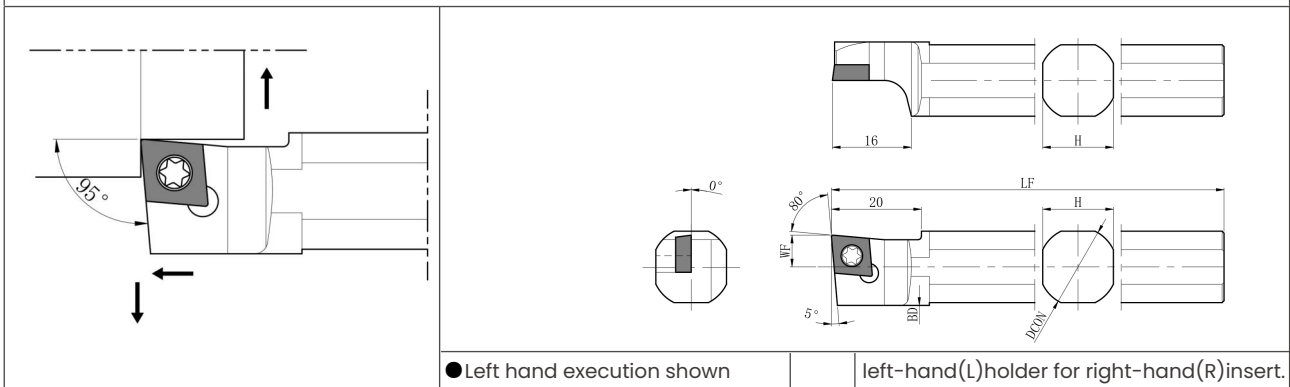
仅 SVPPR1616..08FF 为上述形状

●Right hand execution shown

●Toolholder size

Model		in stock		Dimensions (mm)								R (RE)	inserts	Spare Parts		
		R	L	H	HF	B	LF	LU	LH	WF	HBKW			VP...	screw	torx wrench
SVPPR	1010JX-08FF	●	●	10	10	10	120	12	16	10	4	0.1	VP...0802	M2.0	T6	
SVPPR	1212JX-08FF	●	●	12	12	12				12	2					
SVPPR	1616JX-08FF	●	●	16	16	16				-	-					
SVPPR	1010JX-11FF	●	●	10	10	10	120	16	20	10	8	0.2	VP...1103	M2.5	T8	
SVPPR	1212JX-11FF	●	●	12	12	12				12	6					
SVPPR	1616JX-11FF	●	●	16	16	16				16	2					
SVPPR	1212F-08FF	●	●	12	12	12	12	16	12	2	0.1	VP...0802	M2.0	T6		
SVPPR	1212F-11FF	●	●	12	12	12									16	20

■S-SCLC (outer diameter/end face processing)



●刀杆尺寸

Model	in stock	Dimensions (mm)					R (RE)	inserts	Spare Parts	
		DCON	LF	WF	BD	H			screw	torx wrench
S12F-SCLCL06	●	12	80	6	13.4	11	0.4	CC•••0602	M2.5	T8
S14H-SCLCL06	●	14	100			13				
S15F-SCLCL06	●	15.875	85		15.4	15				
S16F-SCLCL06	●	16			18.4	17				
S19G-SCLCL06	●	19.05	90		19.4	18				
S19K-SCLCL06	●		120							
S20G-SCLCL06	●	20	90							
S20K-SCLCL06	●		120							
S19G-SCLCL09	●	19.05	90	10	18.4	17	0.4	CC•••09T3	M4.0	T15
S19K-SCLCL09	●		120							
S20G-SCLCL09	●	20	90		19.4	18				
S20K-SCLCL09	●		120							
S25.0H-SCLCL09	●	25	100		24.4	23				
S25K-SCLCL09	●	25.4	120		24.8					

■ S-SDUC (outer diameter/profiling)/S-SDLC (outer diameter/profiling)

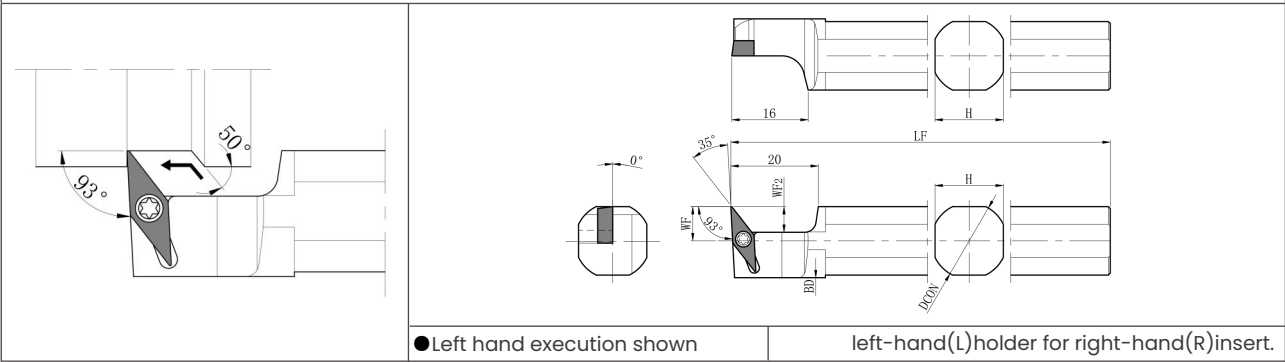
KAPR=93° (S-SDUC)
 KAPR=95° (S-SDLC)
 $\theta = 30^\circ$ (S-SDUC)
 $\theta = 28^\circ$ (S-SDLC)

● Left hand execution shown left-hand(L)holder for right-hand(R)insert.

■ Toolholder size

Model	in stock	Dimensions (mm)							R (RE)	inserts	Spare Parts	
		DCON	LF	WF	BD	H	WF2	screw			torx wrench	
S14H-SDUCL07	●	14	100	6	13.4	13	3.8	0.4	DC...0702	M2.5	T8	
S15F-SDUCL07	●	15.875	85		15.4	15						
S19G-SDUCL07	●	19.05	90		18.4	17						
S19K-SDUCL07	●		120		19.4	18						
S20G-SDUCL07	●	20	90									19.4
S20K-SDUCL07	●		120									
S19G-SDUCL11	●	19.05	90	10	18.4	17	5.8	0.4	DC...11T3	M4.0	T15	
S19K-SDUCL11	●		120		19.4	18						
S20G-SDUCL11	●	20	90									21.4
S20K-SDUCL11	●		120		24.4	23						
S22K-SDUCL11	●	22	120									24.8
S25.0H-SDUCL11	●	25	100									
S25K-SDUCL11	●	25.4	120									
S12F-SDLCL07	●	12	80	6	13.4	11	3.8	0.4	DC...0702	M2.5	T8	
S14H-SDLCL07	●	14	100		15.4	15						
S15F-SDLCL07	●	15.875	85		18.4	17						
S16F-SDLCL07	●											16
S19G-SDLCL07	●	19.05	90		19.4	18						
S19K-SDLCL07	●		120									
S20G-SDLCL07	●	20	90	19.4	18							
S20K-SDLCL07	●		120									
S19G-SDLCL11	●	19.05	90	10	18.4	17	5.8	0.4	DC...11T3	M4.0	T15	
S19K-SDLCL11	●		120		19.4	18						
S20G-SDLCL11	●	20	90									21.4
S20K-SDLCL11	●		120		24.4	23						
S22K-SDLCL11	●	22	120									24.8
S25.0H-SDLCL11	●	25	100									
S25K-SDLCL11	●	25.4	120									

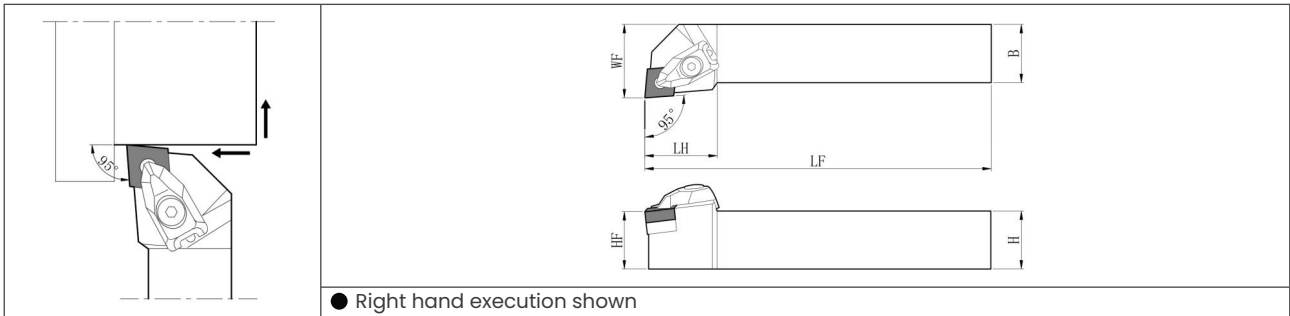
■S-SVUB(C) (outer diameter/profiling)



●Toolholder size

Model	in stock	Dimensions (mm)							R (RE)	inserts	Spare Parts	
		DCON	LF	WF	BD	H	WF2	screw			torx wrench	
S12F-SVUCL08	●	12	80	7.5	13.4	11	5.5	0.4	VC...0802	M2.0	T6	
S14H-SVUCL08	●	14	100			13						
S15F-SVUCL08	●	15.875	85	8	15.4	15						
S16F-SVUCL08	●	16										
S19G-SVUBL11	●	19.05	90	10.5	18.4	17	8	0.4	VB...1103	M2.5	T8	
S19K-SVUBL11	●		120									
S20G-SVUBL11	●	20	90	19.4	18	18						
S20K-SVUBL11	●		120									
S25.0H-SVUBL11	●	25	100	24.4	23							
S25K-SVUBL11	●	25.4	120	24.8								
S19G-SVUCL11	●	19.05	90	10.5	18.4	17	8	0.4	VC...1103	M2.5	T8	
S19K-SVUCL11	●		120									
S20G-SVUCL11	●	20	90	19.4	18	18						
S20K-SVUCL11	●		120									
S25.0H-SVUCL11	●	25	100	24.4	23							
S25K-SVUCL11	●	25.4	120	24.8								

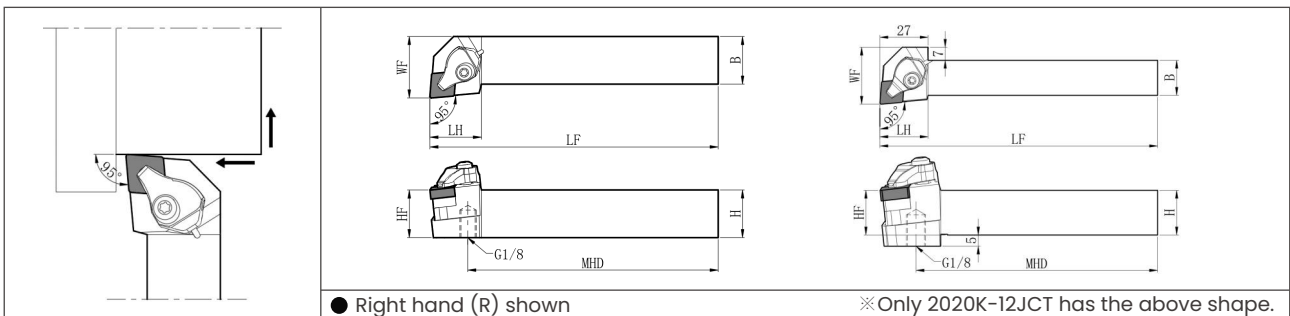
■ DCLN



● Right hand execution shown

Model	in stock		Dimensions (mm)						(RE)	inserts	Spare Parts						
	R	L	H	HF	B	LF	LH	WF			clamp	screw	sprung	SHIM	screw	Hex wrench	torx wrench
DCLNR/L2020K-12	●	●	20	20	20	125	33	25	0.8	CN...I204	CP-3D	CS-3D	SP-3D	DC-44 DC-44C	M4.0	LW-3	T15
DCLNR/2525M-12	●	●	25	25	25	150	32	32									

■ DCLN-JCT

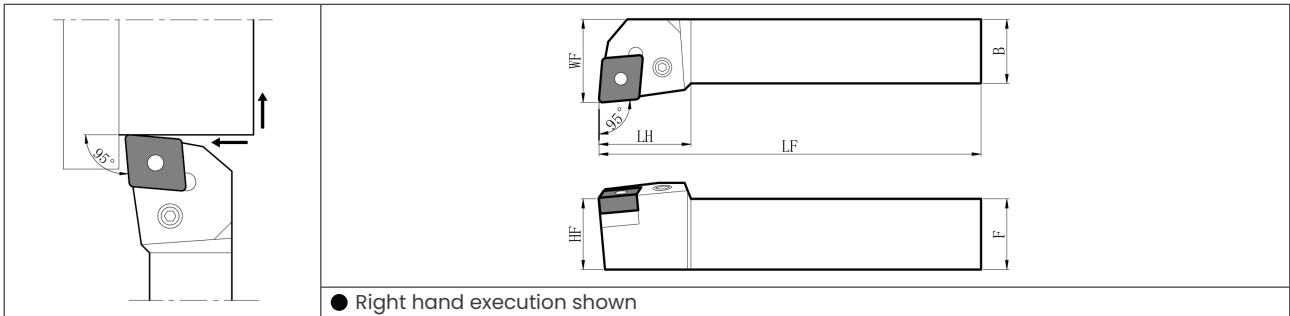


● Right hand (R) shown

※ Only 2020K-12JCT has the above shape.

Model	in stock		Dimensions (mm)						Standard tip R (RE)	inserts	Spare Parts							
	R	L	H	HF	B	LF	LH	WF			M	D	H	clamp	lock pin	screw	sprung	SHIM
DCLNR/L2020K-12	●	●	20	20	20	125	27	25	109	0.8	CN...I204	CP-3D- R/L-JCT	FP-12	SP-3D	DC-44 DC-44C	M4.0	LW-3	T15
DCLNR/2525M-12	●	●	25	25	25	150	32	134										

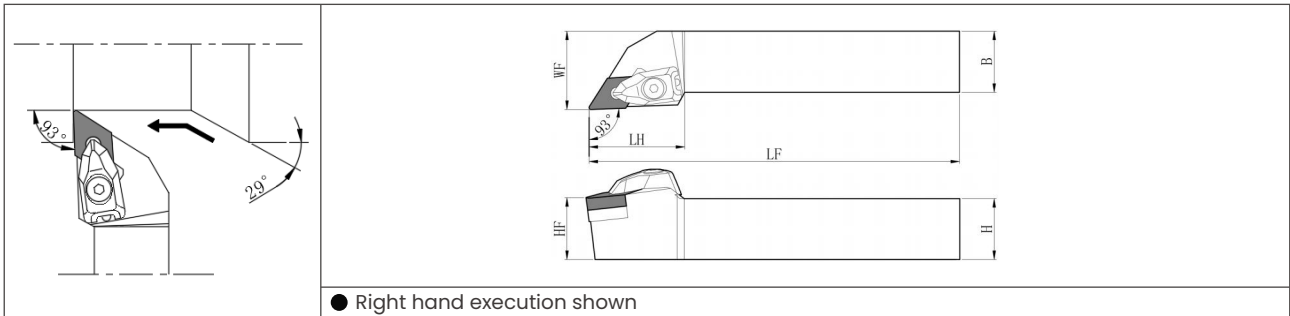
■ PCLN



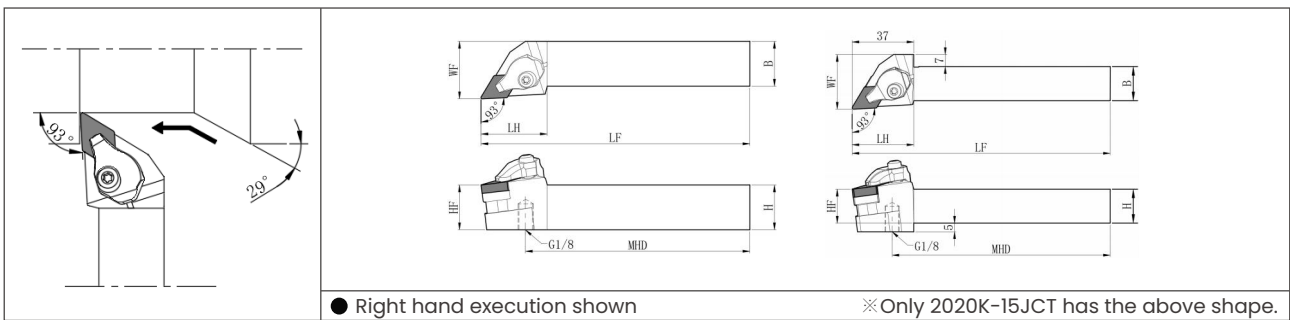
● Right hand execution shown

Model	in stock		Dimensions (mm)						Standard tip R (RE)	inserts	Spare Parts					
	R	L	H	HF	B	LF	LH	WF			lever	screw	SHIM	tubular rivet	punch	torx wrench
PCLNR/L1616H-09	●	●	16	16	16	100		20	0.8							
PCLNR/L2020K-09	●	●	20	20	20	125	22	25								
PCLNR/L2525M-09	●	●	25	25	25	150		32								
PCLNR/L2020H-12	●					100		25	0.8							
PCLNR/L2020K-12	●	●	20	20	20	125		27								
PCLNR/L2525M-12	●	●	25	25		150		25								
PCLNR/L3225P-12	●	●	32	32		170			0.8							
PCLNR/L2525M-16	●	●	25	25		150		32								
PCLNR/L3225P-16	●	●				170	32	40								
PCLNR/L3232P-16	●	●	32	32		32			0.8							
PCLNR/L4040S-16	●	●	40	40	40	250		50								
PCLNR/L3232P-19	●	●	32	32	40	250		40								
PCLNR/L4040S-19	●	●	40	40	40	250		50	1.2							

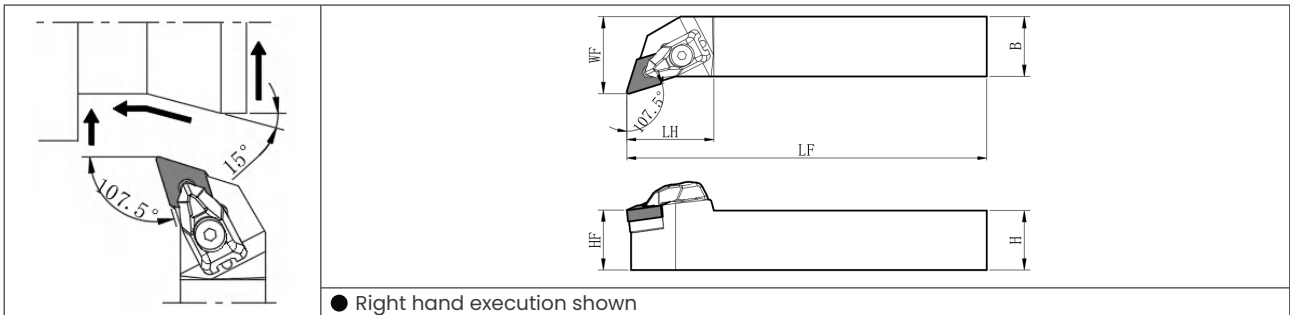
■ DDJN



■ DDJN-JCT



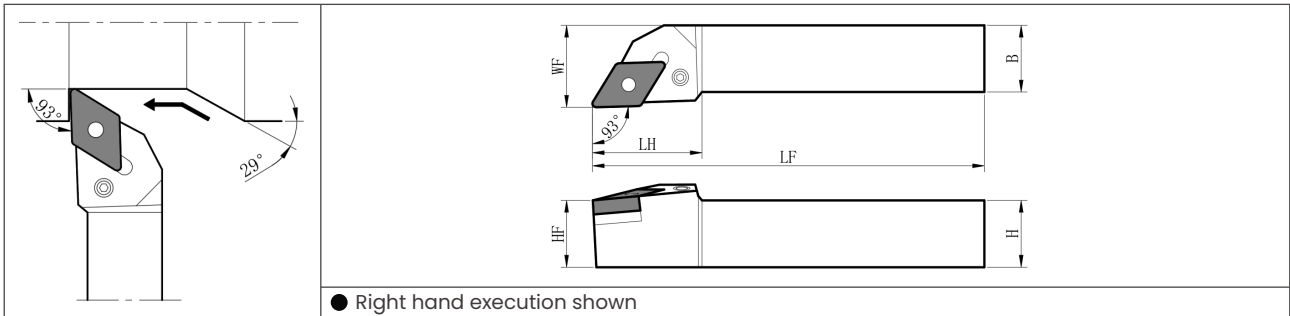
■ DDHN



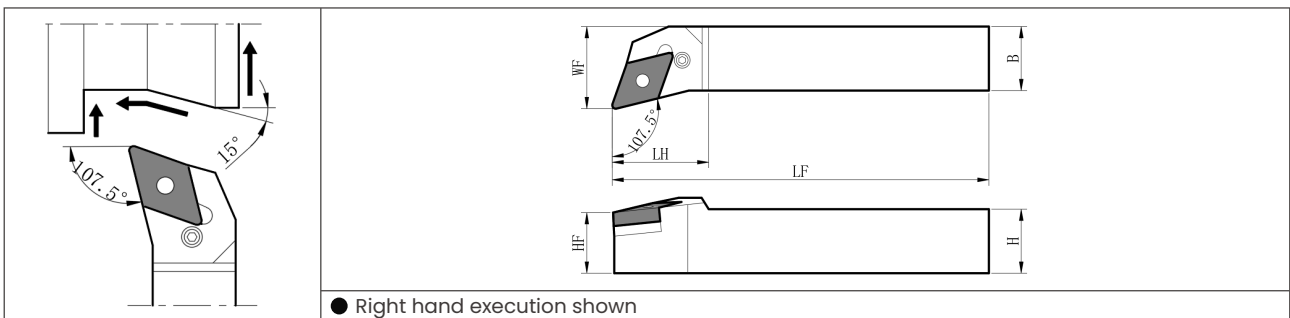
■ Toolholder size

Model	in stock		Dimensions (mm)							(RE)	inserts	Spare Parts								
	R	L	H	HF	B	LF	LH	WF	M			D	H	clamp	lock pin	screw	sprung	SHIM	screw	Hex wrench
DDJNR/L2020K-1504	●	●	20	20	20	125		25				DN...1504								
DDJNR/L2525M-1504	●	●	25	25	25	150		32												
DDJNR/L2020K-1506	●	●	20	20	20	125		25				DN...1506	CP-3D	-	CS-3D					
DDJNR/L2525M-1506	●	●	25	25	25	150		32												
DDJNR/L2020K-15JCT	●	●	20	20	20	125		25	101			DN...1504 (DN...1506)	CP-4D-R/L- JCT	FP-12	CS-3D-TR	SP-3D				
DDJNR/L2525M-15JCT	●	●	25	25	25	150		32	126											
DDJNR/L2020K-1504	●	●	20	20	20	125		25				DN...1504	CP-3D	-	CS-3D					
DDJNR/L2525M-1504	●	●	25	25	25	150		32												
DDJNR/L2020K-1506	●	●	20	20	20	125		25				DN...1506	CP-3D	-	CS-3D					
DDJNR/L2525M-1506	●	●	25	25	25	150		32												

■ PDJN

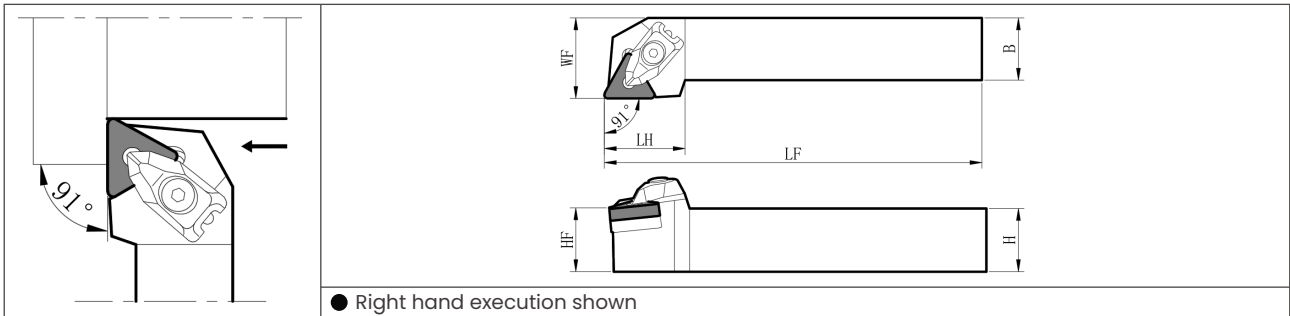


■ PDHN



Model	in stock		Dimensions (mm)						(RE)	inserts	Spare Parts					
	R	L	H	HF	B	LF	LH	WF			lever	screw	sprung	tubular rivet	punch	torx wrench
PDJNR/L1616H-11	●	●	16	16	16	100		20	0.4	DN...1104	LL-1DN	LS-1N	LD-32N	LSP-1	PC-1	FH2.5
PDJNR/L2020K-11	●	●	20	20	20	125	28	25								
PDJNR/L2525M-11	●	●	25	25	25	150		32								
PDJNR/L2020H-15	●	●	20	20	20	100	36	25	0.8	DN...1504	LL-3N	LS-2N	LD-42 LD-42-20	LSP-2	PC-2	LW-3
PDJNR/L2020K-15	●	●				125		32								
PDJNR/L2525M-15	●	●	25	25	25	150		32								
PDJNR/L3225P-15	●	●	32	32		170										
PDJNR/L2525M-15U	●	●	25	25	25	150	34	32	0.8	DN...1506 (DN...1504)	LL-4	LS-3	LD-42 LD-42-20 (LD-43) (LD-43-20)	LSP-2	PC-2	LW-3
PDJNR/L3232P-15U	●	●	32	32	32	170	36	40								
PDHNR/LL2020K-15	●	●	20	20	20	125	35	25	0.8	DN...1504 (DN...1506)	LL-4	LS-3	LD-43 LD-43-20 (LD-42) (LD-42-20)	LSP-2	PC-2	LW-3
PDHNR/L2525M-15	●	●	25	25	25	150	34	32								

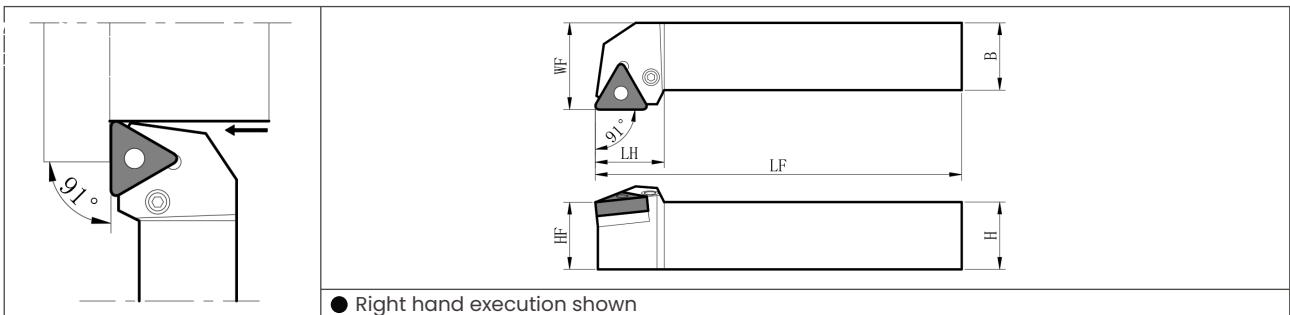
DTGN



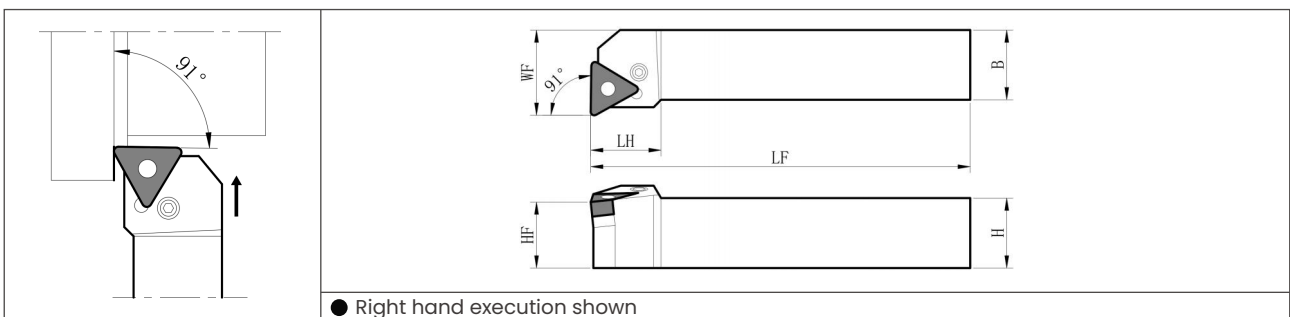
Toolholder size

Model	in stock		Dimensions (mm)						(RE)	inserts	Spare Parts						
	R	L	H	HF	B	LF	LH	WF			clamp	screw	sprung	SHIM	screw	Hex wrench	torx wrench
DTGNR/L2020K-16	●	●	20	20	20	125	25	25	0.8	TN...1604	CP-2D	CS-2D	SP-2D	DT-32	M3.0	LW-2.5	T10
DTGNR/L2525M-16	●	●	25	25	25	150	32										


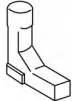



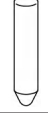

PTGN



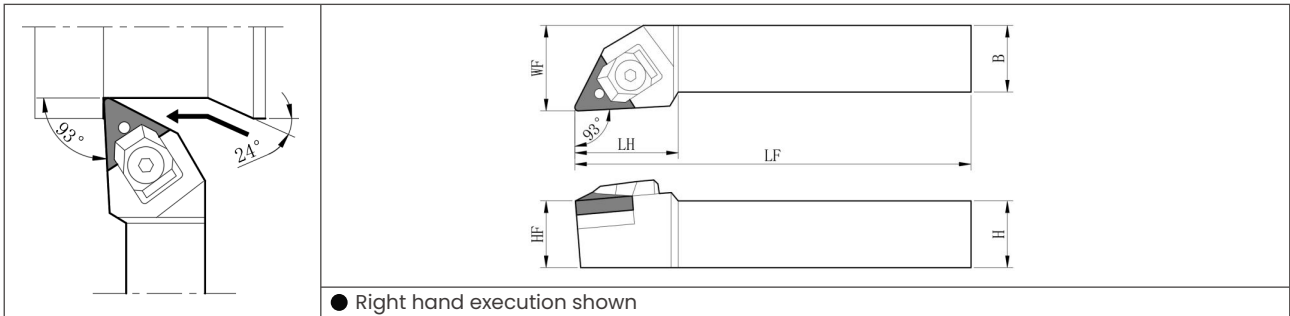
PTFN



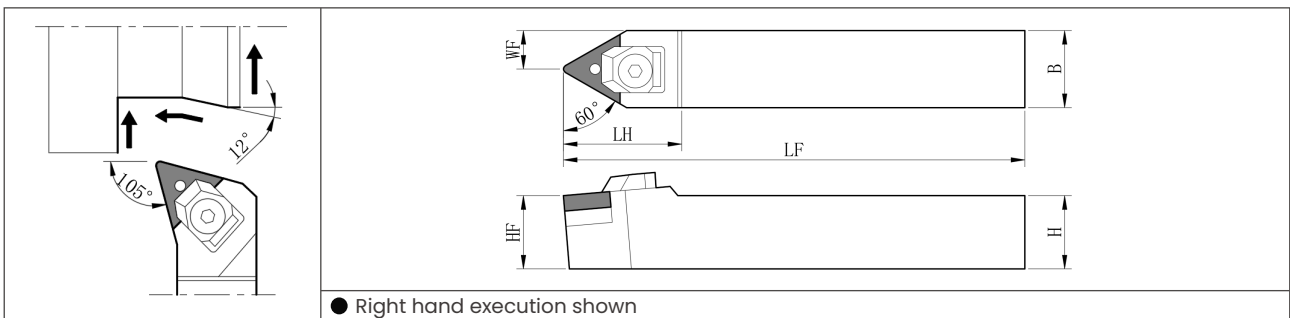
■ Toolholder size

Model	in stock		Dimensions (mm)							(RE)	inserts 	Spare Parts					
	R	L	H	HF	B	LF	LH	WF	lever 			screw 	SHIM 	tubular rivet 	punch 	torx wrench 	
PTGNR/L1212F-11	●	●	12	12	12	80	18	16	0.8	TN...1103	LL-03N	LS-03N	-	P-03	-	FH-2	
PTGNR/L1616H-11	●	●	16	16	16	100		20									
PTGNR/L2020K-11	●	●	20	20	20	125	22	25	0.8	TN...1104	LL-03TN	LS-03SN	-	P-03S	-	FH-2.5	
PTGNR/L2525M-11	●	●	25	25	25	150		32									
PTGNR/L1616H-16	●	●	16	16	16	100		20									
PTGNR/L2020H-16	●					100		24	25	0.8	TN...1604	LL-1N	LS-1N	LT-32N LT-32N-20	LSP-1	PC-1	FH-2.5
PTGNR/L2020K-16	●	●				125											
PTGNR/L2525M-16	●	●	25	25	25	150		32									
PTGNR/L2525M-22	●	●	25	25	25	150	29	32	0.8	TN...2204	LL-2N	LS-2N	LT-42N LT-42N-20	LSP-2	PC-2	LW-3	
PTFNR/L1212F-11	●	●	12	12	12	80	15	16	0.8	TN...1103	LL-03N	LS-03N	-	P-03	-	FH-2	
PTFNR/L1616H-11	●	●	16	16	16	100		20									
PTFNR/L2020K-11	●	●	20	20	20	125	22.5	25	0.8	TN...1104	LL-03TN	LS-03SN	-	P-03S	-	FH-2.5	
PTFNR/L2525M-11	●	●	25	25	25	150		32									
PTFNR/L2020K-16	●	●	20	20	20	125	22	25	0.8	TN...1604	LL-1N	LS-1N	LT-32N LT-32N-20	LSP-1	PC-1	FH-2.5	
PTFNR/L2525M-16	●	●	25	25	25	150	23	32	0.8								
PTFNR/L2525M-22	●	●	25	25	25	150	28	32	0.8	TN...2204	LL-2N	LS-2N	LT-42N LT-42N-20	LSP-2	PC-2	LW-3	

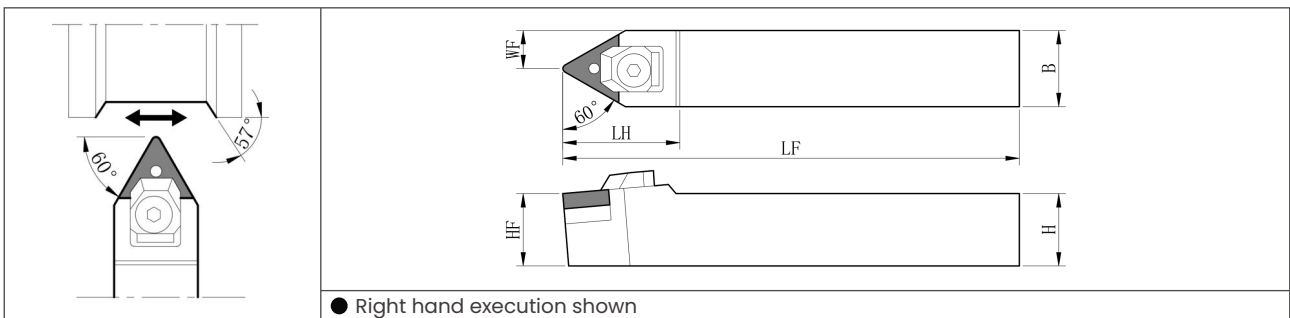
■ WTJN-N



■ WTKN-N

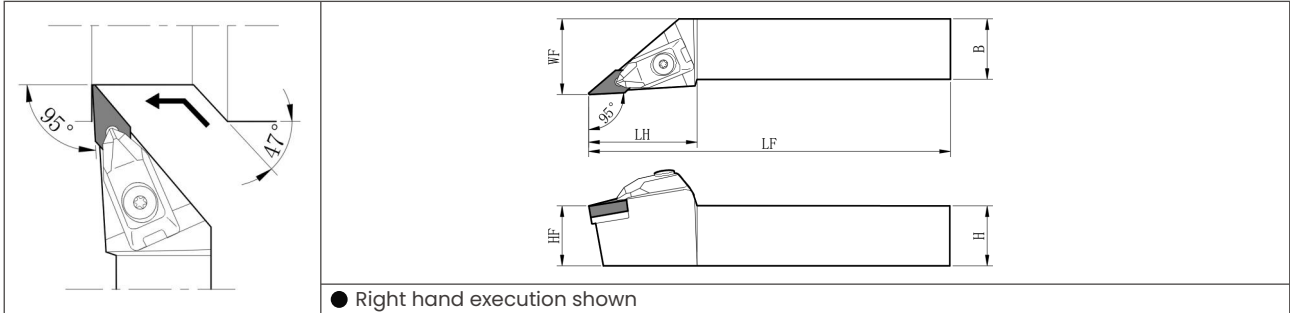


■ WTEN-N

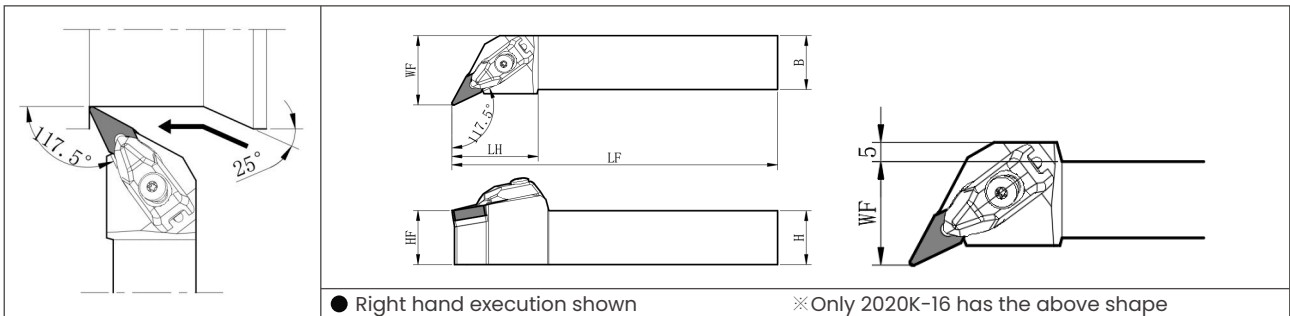


Model	in stock			Dimensions (mm)						WF (RE)	inserts	Spare Parts					
	R	N	L	H	HF	B	LF	LH	clamp			SHIM	tubular rivet	screw	Hex wrench	spacer	
WTJNR/L2020K-16N	●	●	20	20	20	125	32	25	0.8	TN...1604	WCS-IN	WTN-33 WTN-33-20	WP-IS	WN-1	LW-3	WSP-1	
WTJNR/L2525M-16N	●	●	25	25	25	150	32	25									
WTKNR/L2020K-16N	●	●	20	20	20	125	32	25									
WTKNR/L2525M-16N	●	●	25	25	25	150	32	25									
WTENN2020K-16N		●	20	20	20	125	32	10									
WTENN2525M-16N		●	25	25	25	150	32	13									

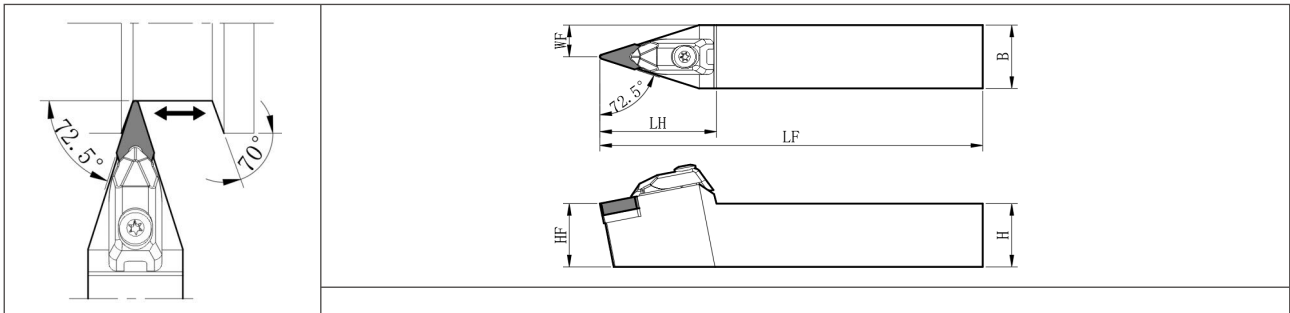
■ DVLN (OD/Profiling)



■ DVPN (OD/end face/profile/clearance machining)

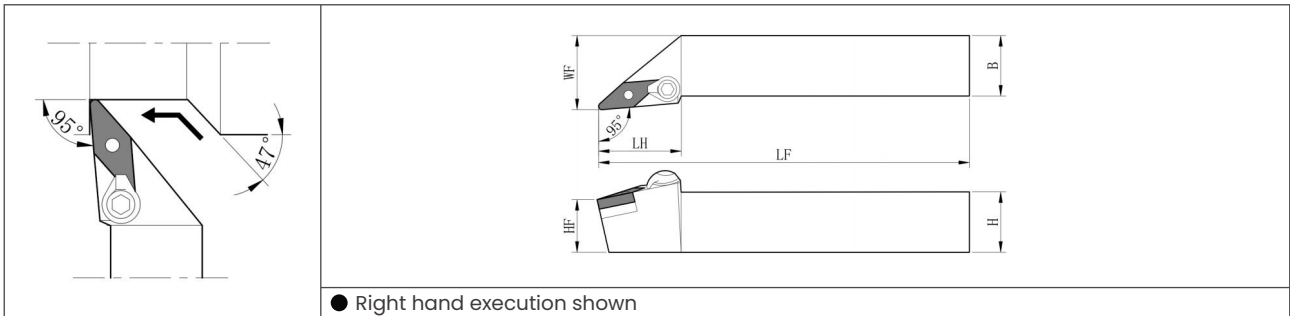


■ DVVN (OD/Profiling)

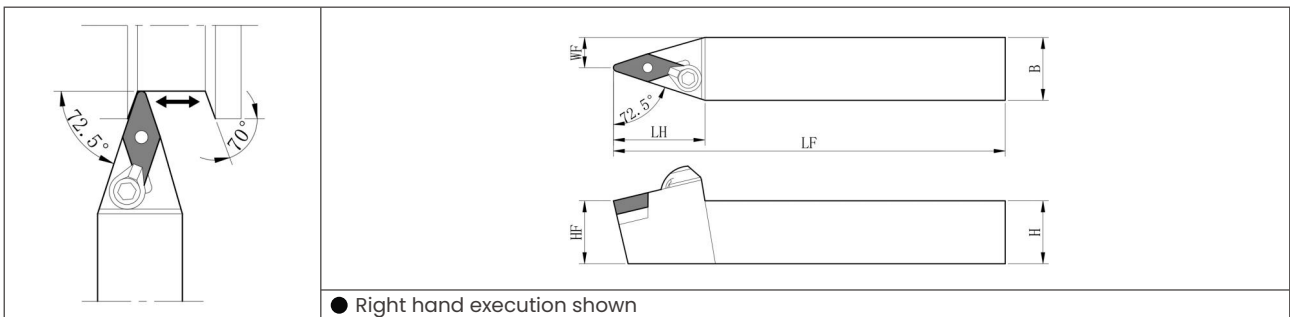


Model	in stock			Dimensions (mm)						Standard tip R (RE)	inserts	Spare Parts					
	R	N	L	H	HF	B	LF	LH	WF			clamp	screw	sprung	SHIM	screw	Hex wrench
DVLNR/L2020K-16N	●	●	20	20	20	125	45	25	0.8	VN...1604	CP-5D	CS-5D	SP-5D	DV-33	M4.0	LW-3	T15
DVLNR/L2525M-16N	●	●	25	25	25	150	32										
DVPNR/L2020K-16N	●	●	20	20	20	125	40										
DVPNR/L2525M-16N	●	●	25	25	25	150	32										
DVVNN2020K-16N		●	20	20	20	125	46	10									
DVVNN2525M-16N		●	25	25	25	150	13										

■ MVLN

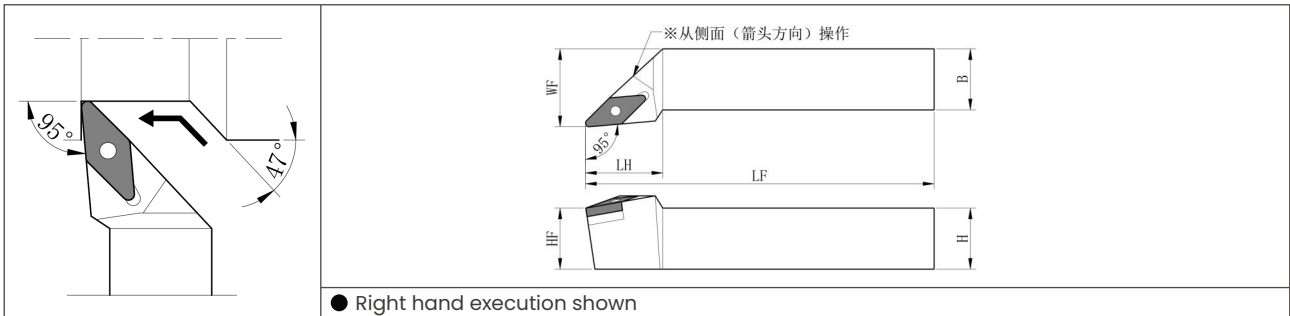


■ MVVN

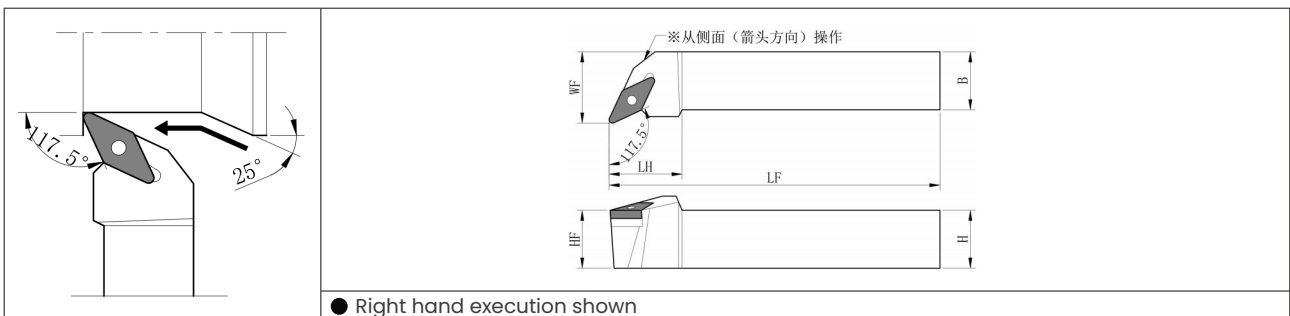


Model	in stock			Dimensions (mm)							(RE)	inserts	Spare Parts							
	R	N	L	H	HF	B	LF	LH	WF	clamp			torx wrench	SHIM	tubular rivet	torx wrench				
MVLNR/L2020K-16	●		●	20	20	20	125		25			0.8	VN...1604	CPS-5R/L	FH-2.5	MVN-32	TS-3S	FH-2		
MVLNR/L2525M-16	●		●	25	25	25	150		32											
MVVNN2020K-16		●		20	20	20	125		39											
MVVNN2525M-16		●		25	25	25	150		12.5											

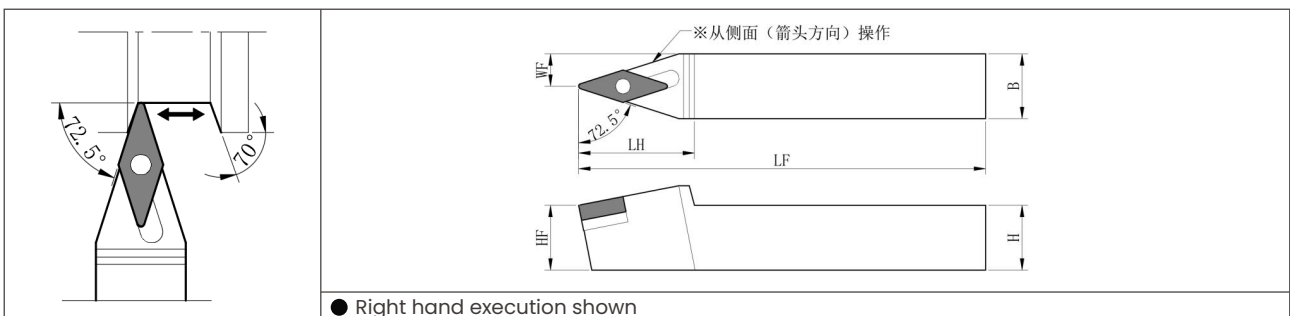
■ DVLN



■ DVPN

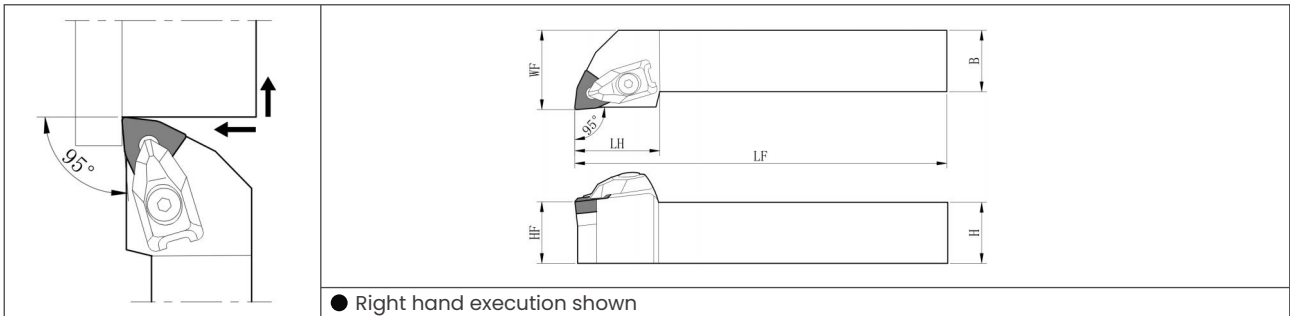


■ DVVN



Model	in stock			Dimensions (mm)						(RE)	inserts	Spare Parts								
	R	N	L	H	HF	B	LF	LH	WF			tubular rivet	screw	SHIM	Hex wrench					
PVLNR/L2525M-16Q	●		●	25	25	25	150	37	32	0.8	VN...1604									
PVPNR/L2020K-16Q	●		●	20	20	20	125	30	25								LP-6S	LS-15	KVN-32	LW-3
PVPNR/L2525M-16Q	●		●	25	25	25	150	32	32								LP-2S	LS-11	KVN-32	LW-3
PVVNN2020K-16Q		●		20	20	20	125	35	10								LP-6S	LS-15	KVN-32	LW-3
PVVNN2525M-16Q		●		25	25	25	150	40	12.5								LP-2S			

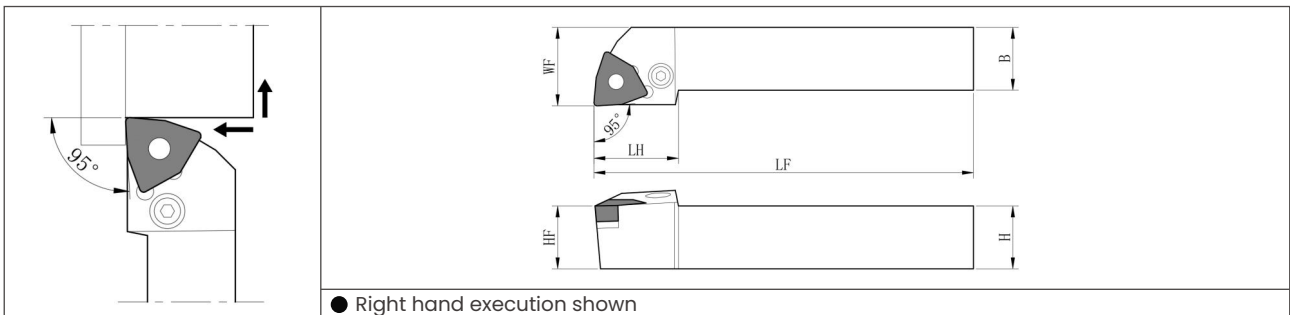
■ DWLN



■ Toolholder size

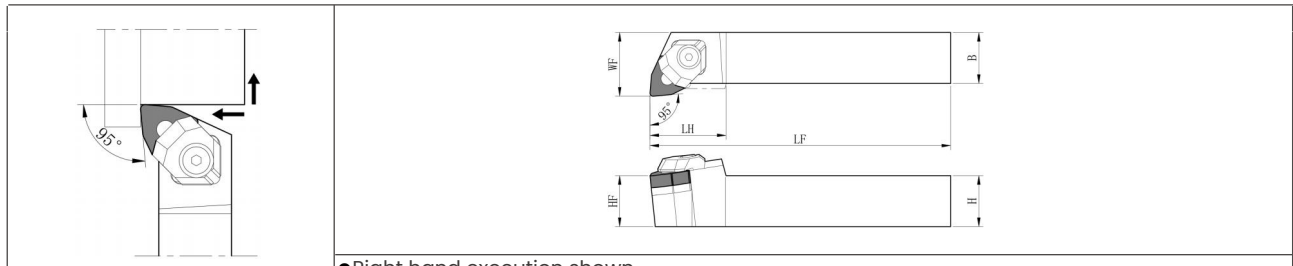
Model	in stock		Dimensions (mm)						(RE)	inserts	Spare Parts						
	R	L	H	HF	B	LF	LH	WF			clamp	screw	sprung	SHIM	screw	Hex wrench	torx wrench
DWLN/L2020K-08	●	●	20	20	20	125	25	25	0.8	WN...0804	CP-3D	CS-3D	SP-3D	DW-44	M4.0	LW-3	T15
DWLN/L2525M-08	●	●	25	25	25	150	34	32									

■ PWLN



Model	in stock		Dimensions (mm)						(RE)	inserts	Spare Parts					
	R	L	H	HF	B	LF	LH	WF			lever	screw	SHIM	tubular rivet	punch	torx wrench
PWLN/L1616H-06	●	●	16	16	16	100	20	22	0.8	WN...00604	LL-1N	LS-1N	LW-32N	LSP-1	PC-1	FH-2.5
PWLN/L2020K-06	●	●	20	20	20	125	25	25								
PWLN/L2525M-06	●	●	25	25	25	150	32	26								
PWLN/L2020K-08	●	●	20	20	20	125	25	26	0.8	WN...0804	LL-2N	LS-2N	LW-42N	LSP-2	PC-2	LW-3
PWLN/L2525M-08	●	●	25	25	25	150	32	32								

■ WWLN



●Right hand execution shown

●Toolholder size

Model		in stock		Dimensions (mm)								inserts	Spare Parts					
		R	L	H	HF	B	LF	LH	WF	(RE)	clamp		SHIM	tubular rivet	screw	Hex wrench		
WWLNR/L	2020K-08	●	●	20	20	20	125	30	25	1.2		WCS-8	WWN-42	WP5X15	WN-1	LW-3		
WWLNR/L	2525M-08	●	●	25	25	25	150		32		WN...0804	WCS-8	WWN-42	WP5X15	WN-1	LW-3		

■ KQTKF/KQTKF

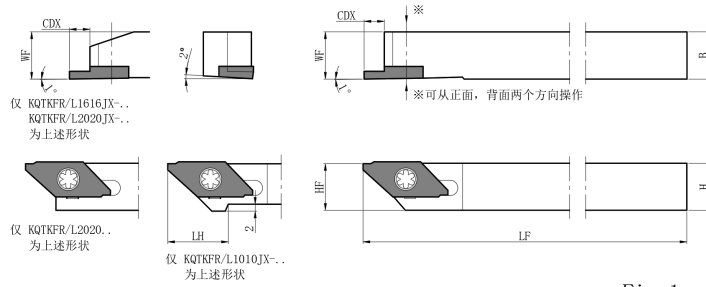
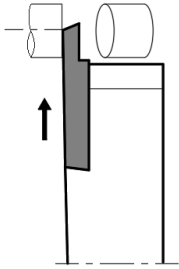


Fig. 1

●Right hand execution shown

right-hand(R)holder for right-hand (R)insert.

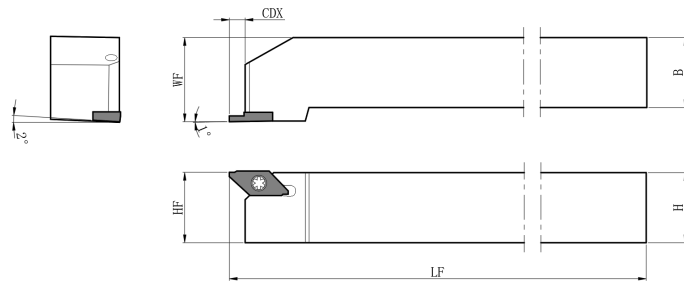
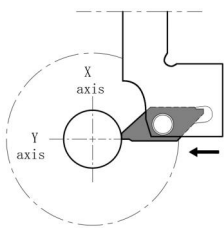


Fig. 2

●Right hand execution shown

right-hand(R)holder for right-hand (R)insert.



(Y轴刀杆)

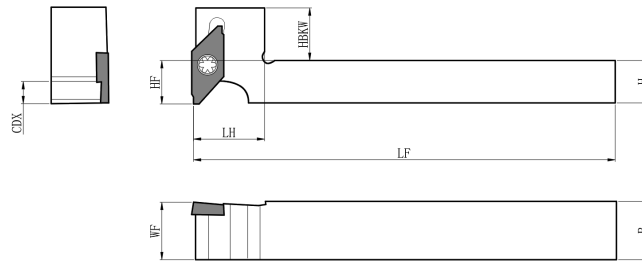
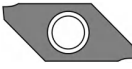


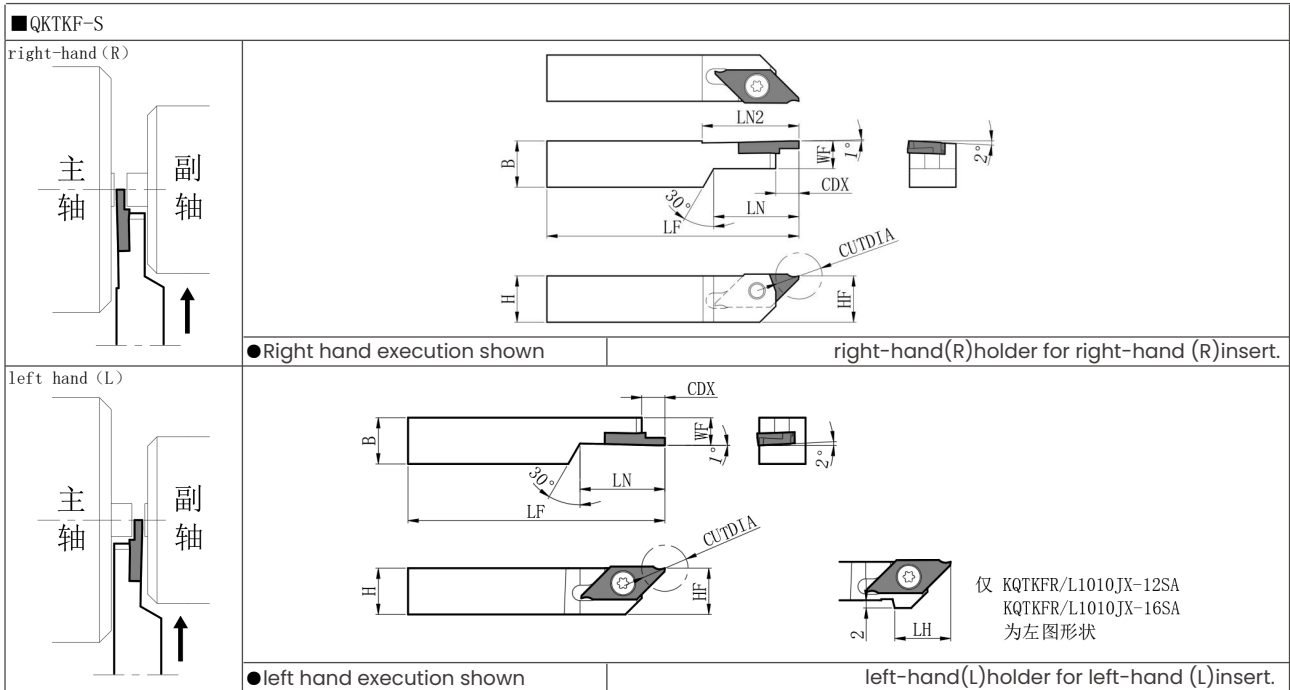


Fig. 3

●Right hand execution shown

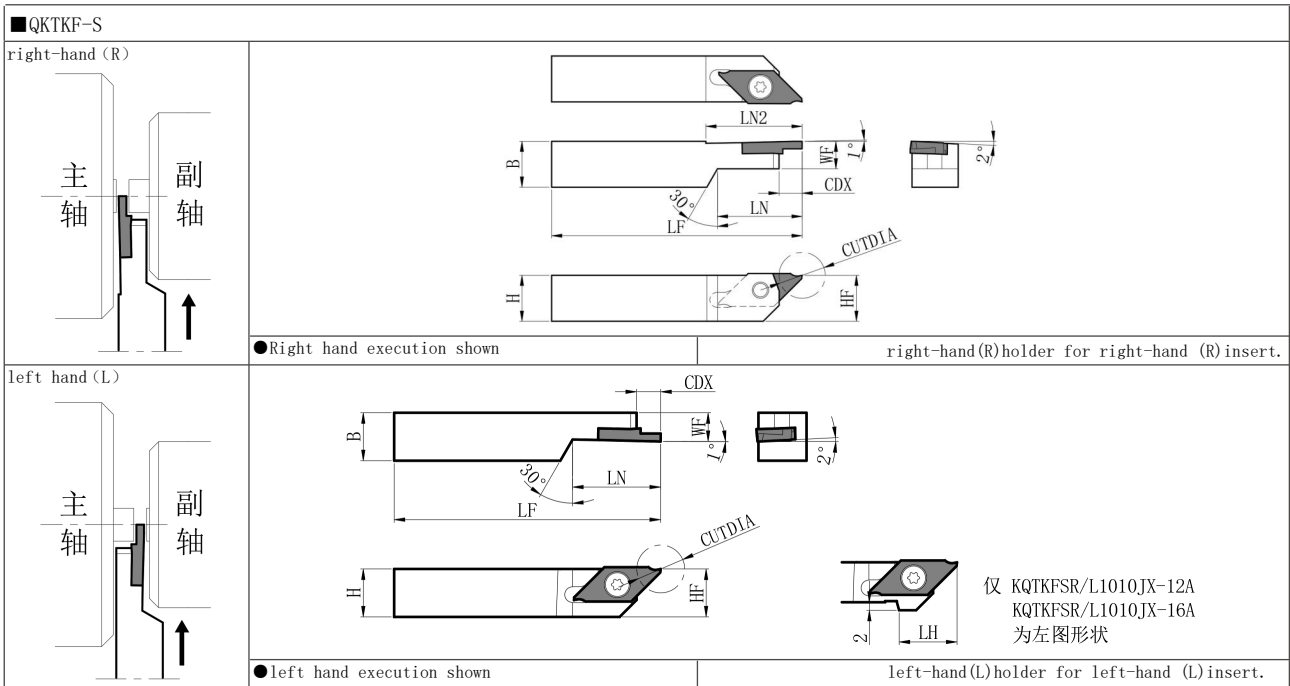
right-hand(R)holder for right-hand (R)insert.

●Toolholder size															
Model		in stock		Dimensions (mm)								shape	inserts 	Spare Parts	
		R	L	H	HF	B	LF	LH	WF	CDX	HBKW			screw 	torx wrench 
KQTKFR/L	1010JX-12	●	●	10	10	10	120	15	10	6	-	Fig. 1	QTKF12R/L	M4.0	T15
KQTKFR/L	1212JX-12	●	●	12	12	12		-	12						
KQTKFR/L	1616JX-12	●	●	16	16	16			16						
KQTKFR/L	2020JX-12	●	●	20	20	20			20						
KQTKFR	2525M-12	●		25	25	25	150	-	30	6	-	Fig. 2	QTKF12R	M4.0	T15
KQTKFR/L	1010JX-16	●	●	10	10	10	120	20	10	8	-	Fig. 1	QTKF16R/L	M4.0	T15
KQTKFR/L	1212JX-16	●	●	12	12	12		-	12						
KQTKFR/L	1616JX-16	●	●	16	16	16			16						
KQTKFR/L	2020JX-16	●	●	20	20	20			20						
KQTKFR	2525M-16	●		25	25	25	150	-	30	8	-	Fig. 2	QTKF16R	M4.0	T15
KQTKFR/L	1212F-12	●	●	12	12	12	85	-	12	6	-	Fig. 1	QTKF12R/L	M4.0	T15
KQTKFR/L	1212F-16	●	●					12	12	12			8	QTKF16R/L	M4.0
KQTKFR	1216JX-12-Y		●	12	12	16	20	16	6	15	-	Fig. 3	QTKF12R	M4.0	T15
KQTKFR	1616JX-12-Y		●	16	16		25			11					



● Toolholder size

Model		in stock		Processing diameter CUTDIA	Dimensions (mm)								inserts 	Spare Parts		
		R	L		H	HF	B	LF	LH	LN	LN2	WF		CDX	screw 	torx wrench
KQTKFR/L	1010JX-12SA	●	●	5~12	10	10	10	120	15	22	26	7.2	6	QTKF12R/L	M4.0	T15
KQTKFR/L	1212F-12SA	●	●		12	12	12	85	-							
KQTKFR/L	1212JX-12SB	●	●		12	12	12	120	-	26						
KQTKFR/L	1010JX-16SA	●	●	16	10	10	10	120	20	22	30	7.2	8	QTKF16R/L	M4.0	T15
KQTKFR/L	1212F-16SA	●	●		12	12	12	85	-							
KQTKFR/L	1212JX-16SB	●	●		12	12	12	120	-	26						



● Toolholder size

Model	in stock		Processing diameter	Dimensions (mm)										inserts	Spare Parts	
	R	L		CUTDIA	H	HF	B	LF	LH	LN	LN2	WF	CDX		screw	torx wrench
KQTKFSR/L 1010JX-12A	●	●	6~12	10	10	10	120	15	22	26	5	6	QTKFS12R/L	M4.0	T15	
1212F-12A	●	●		12	12	12	85	-								
1212JX-12B	●	●		120	26											
KQTKFSR/L 1010JX-16A	●	●	14~16	10	10	10	120	20	22	30	5	8	QTKFS16R/L	M4.0	T15	
1212F-16A	●	●		12	12	12	85	-								
1212JX-16B	●	●		120	26											

■KQTGF-F

● Right hand execution shown right-hand(R)holder for right-hand (R)insert, left-hand(L)holder for left-hand (L)insert.

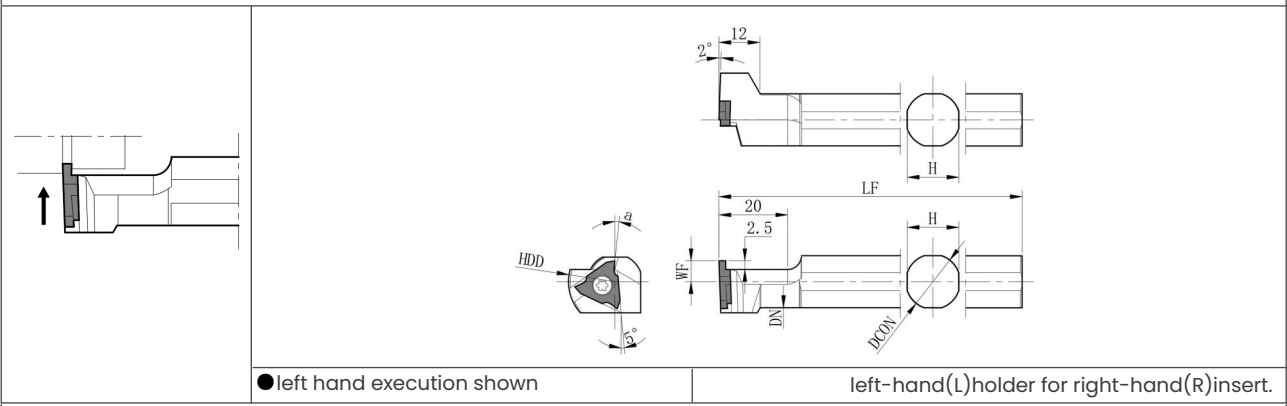
■KQTGF

● Right hand execution shown right-hand(R)holder for right-hand (R)insert, left-hand(L)holder for left-hand (L)insert.

●Toolholder size

Model		in stock		Dimensions (mm)						inserts	Spare Parts		
		R	L	H	HBH	HF	B	LF	LH		WF	screw	torx wrench
KQTGFR/L	1010JX-16F	●	●	10	2	10	10	120	18.5	10	QTGF32R/L	M4.0	T15
KQTGFR/L	1212JX-16F	●	●	12	-	12	12	120		12			
KQTGFR/L	1616JX-16F	●	●	16		16	16	120		16			
KQTGFR/L	1212F-16F	●	●	12	-	12	12	85	18.5	12	QTGF32R/L	M4.0	T15
KQTGFR/L	1010F-16	●	●	10	4	10	10	80	18.5	12	QTGF32R/L	M4.0	T15
KQTGFR/L	1212H-16	●	●	12	2	12	12	100		16			
KQTGFR/L	1616H-16	●	●	16	-	16	16	100		20			
KQTGFR/L	2020K-16	●	●	20		20	20	125	20	25			
KQTGFR/L	2525M-16	●	●	25		25	25	150		32			

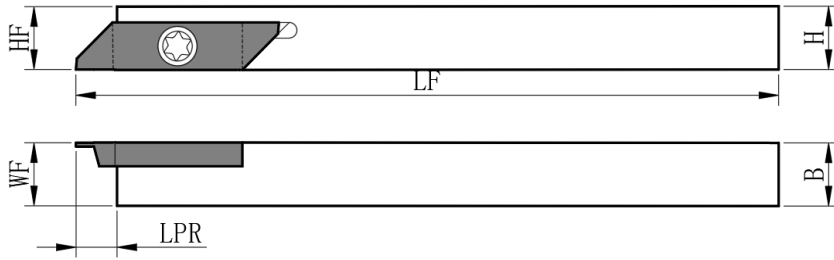
■S-KQTGF



●Toolholder size

Model	in stock	Dimensions (mm)						inserts	Spare Parts		
		L	DCON	LF	WF	DN	HDD		H	screw	torx wrench
S12F-KQTGFL16	●	12	80	6	10	11.0	27	QTGF32R	M4.0	T15	
S14H-KQTGFI 16	●	14	100			13.0					
S15F-KQTGFL16	●	15.875	85			14.6					
S16F-KQTGFL16	●	16	90			17.6					
S19G-KQTGFL16	●	19.05	120			18.6					
S19K-KQTGFL16	●		120			18.6					
S20G-KQTGFL16	●	20	90			23.6					18
S20K-KQTGFL16	●		120			23.6					
S25.0H-KQTGFL16	●	25	100			23.6					37
S25K-KQTGFL16	●	25.4	120	23.6	37	23					

■QLN



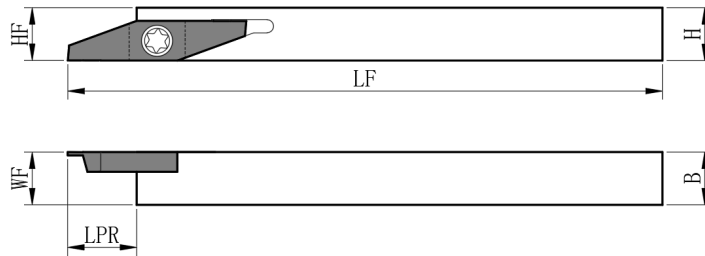
● left hand execution shown

left-hand(L)holder for left-hand (L)insert.

●Toolholder size

Model	in stock		Dimensions (mm)						inserts	Spare Parts	
	R	L	H	HF	B	LPR	LF	WF		screw	torx wrench
QLNR/L 08	●	●	8.0	8.0	8.0	5.0	120	7.9			
QLNR/L 10	●	●	10.0	10.0	10.0			9.9			
QLNR/L 12	●	●	12.0	12.0	12.0			11.9			

■QSN

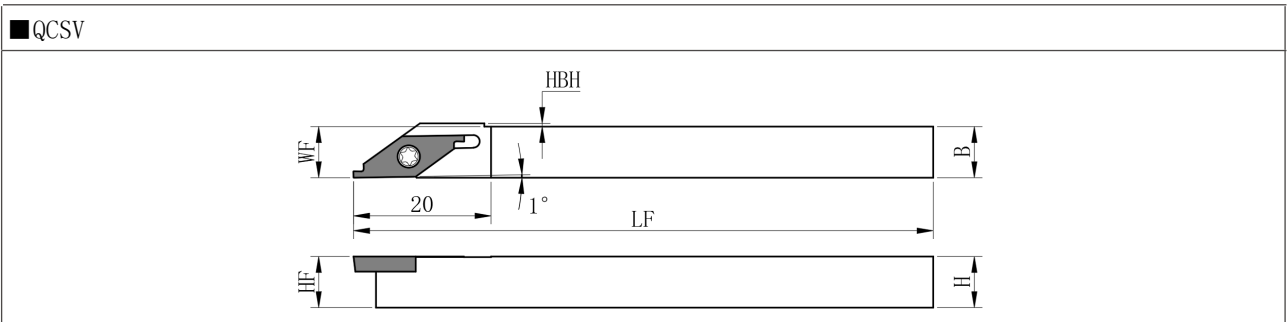


● left hand execution shown

left-hand(L)holder for left-hand (L)insert.

●Toolholder size

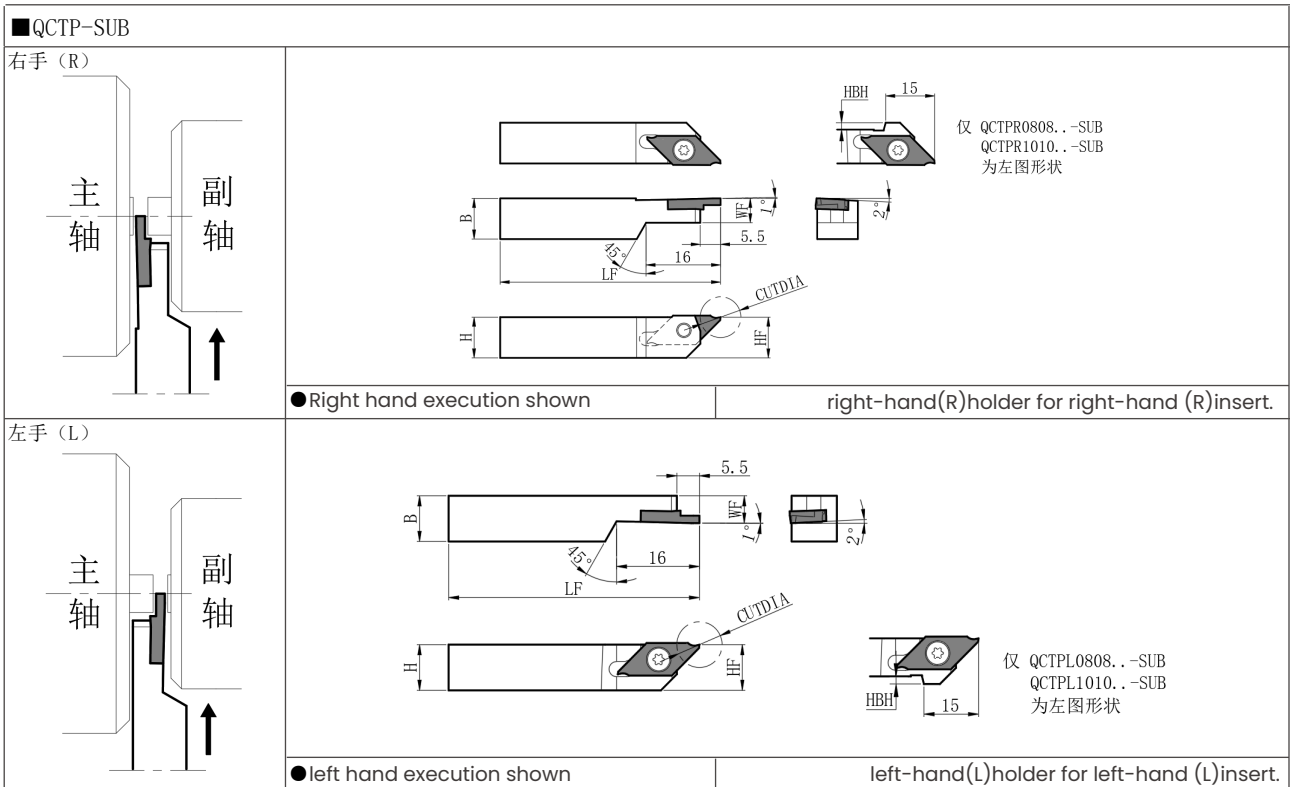
Model	in stock		Dimensions (mm)						inserts	Spare Parts	
	R	L	H	HF	B	LPR	LF	WF		screw	torx wrench
QSNR/L 08	●	●	8.0	8.0	8.0	10.0	120	7.9			
QSNR/L 10	●	●	10.0	10.0	10.0			9.9			
QSNR/L 12	●	●	12.0	12.0	12.0			11.9			



● left hand execution shown left-hand(L)holder for left-hand (L)insert.

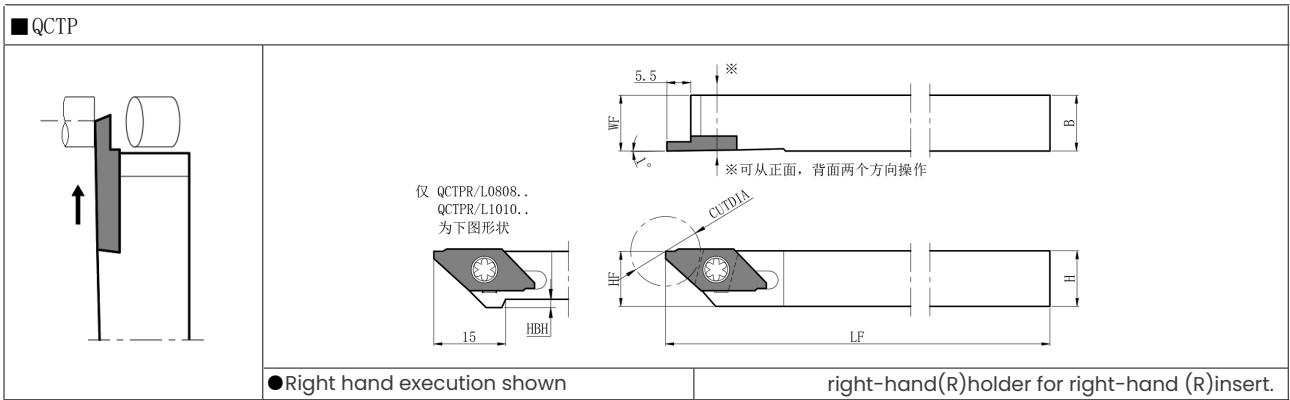
● Toolholder size

Model	in stock		Dimensions (mm)						inserts	Spare Parts	
	R	L	H	HF	B	HBH	LF	WF		screw	torx wrench
	QCSV/L 07	●	●	7.0	7.0	7.0	0.5	120	6.9	 CSV/L...	 M2.5
QCSV/L 08	●	●	8.0	8.0	8.0	7.9					
QCSV/L 10	●	●	10.0	10.0	10.0	9.9					
QCSV/L 12	●	●	12.0	12.0	12.0	11.9					






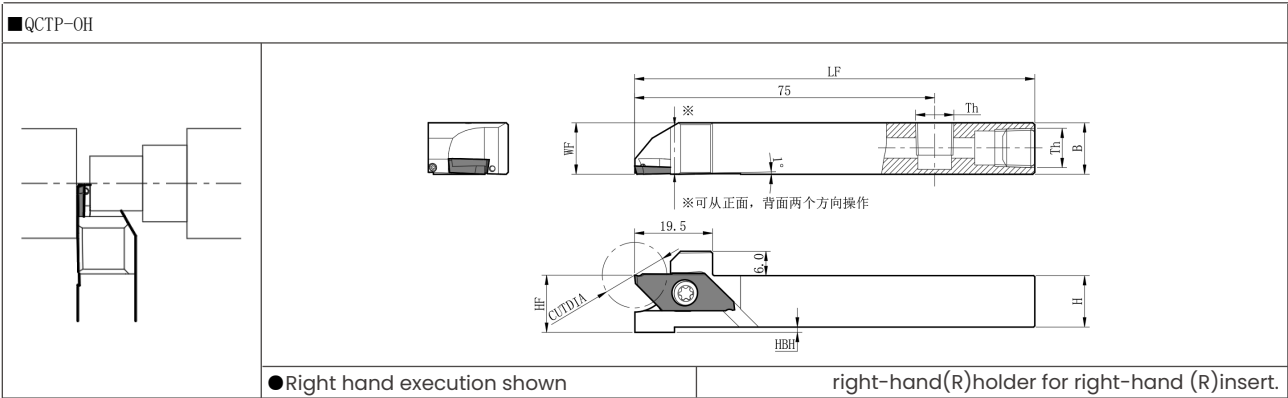
●Toolholder size

Model		in stock		processing diameter	Dimensions (mm)						inserts	Spare Parts	
		R	L		CUTDIA	H	HF	B	LF	HBH		WF	screw
QCTPR/L	08-SUB	●	●	12	8	8	8	120	4	5.5	 QCTPR/L...	 M4.0	 T15
QCTPR/L	10-SUB	●	●		10	10	10	120	2				
QCTPR/L	12-SUB	●	●		12	12	12	120	-				



●Toolholder size

Model	in stock		processing diameter	Dimensions (mm)						inserts	Spare Parts	
	R	L		CUTDIA	H	HF	B	LF	HBH		WF	screw
QCTPR/L 08	●	●	12	8	8	8	120	4	8	 QCTPR/L...	 M4.0	 T15
QCTPR/L 10	●	●		10	10	10		2	10			
QCTPR/L 12	●	●		12	12	12		12	12			
QCTPR/L 16	●	●		16	16	16		-	16			
QCTPR/L 20	●	●		20	20	20			20			



● Toolholder size

Model		in stock		processing diameter	Dimensions (mm)						inserts	Spare Parts		
		R	L		CUTDIA	H	HF	B	LF	HBH		WF	Th	screw
QCTPR/L	1012H-OH	●	●	12	10	10	12	100	4	10	M6x1	QCTPR/L...	M4.0	T15
QCTPR/L	12H-OH	●	●		12	12	12		2	12	RC1/8 (PT1/8)			
QCTPR/L	16H-OH	●	●		16	16	16			16				

■ QCTPA

●Right hand execution shown right-hand(R)holder for right-hand (R)insert.

●Toolholder size

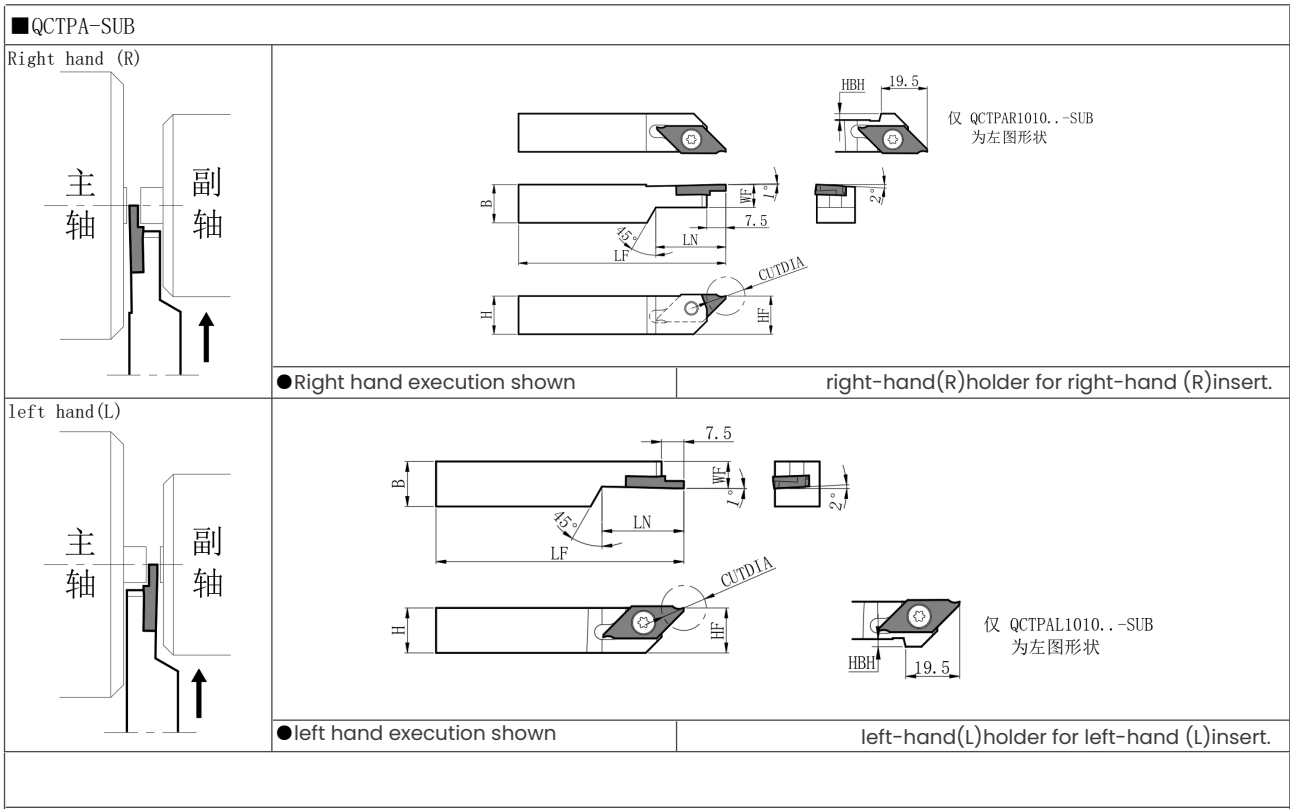
Model	in stock		processing diameter CUTDIA	Dimensions (mm)						inserts 	Spare Parts	
	R	L		H	HF	B	LF	HBH	WF		screw 	torx wrench
QCTPAR/L 10	●	●	16.0	10	10	10	120	2	10	QCTPAR/L...	M4.0	T15
QCTPAR/L 12	●	●		12	12	12		12				
QCTPAR/L 16	●	●		16	16	16		16				
QCTPAR/L 20	●	●		20	20	20		20				

■ QCTPA-OH

●Right hand (R) shown Right-hand (R) tool holders are suitable for right-hand (R) inserts.

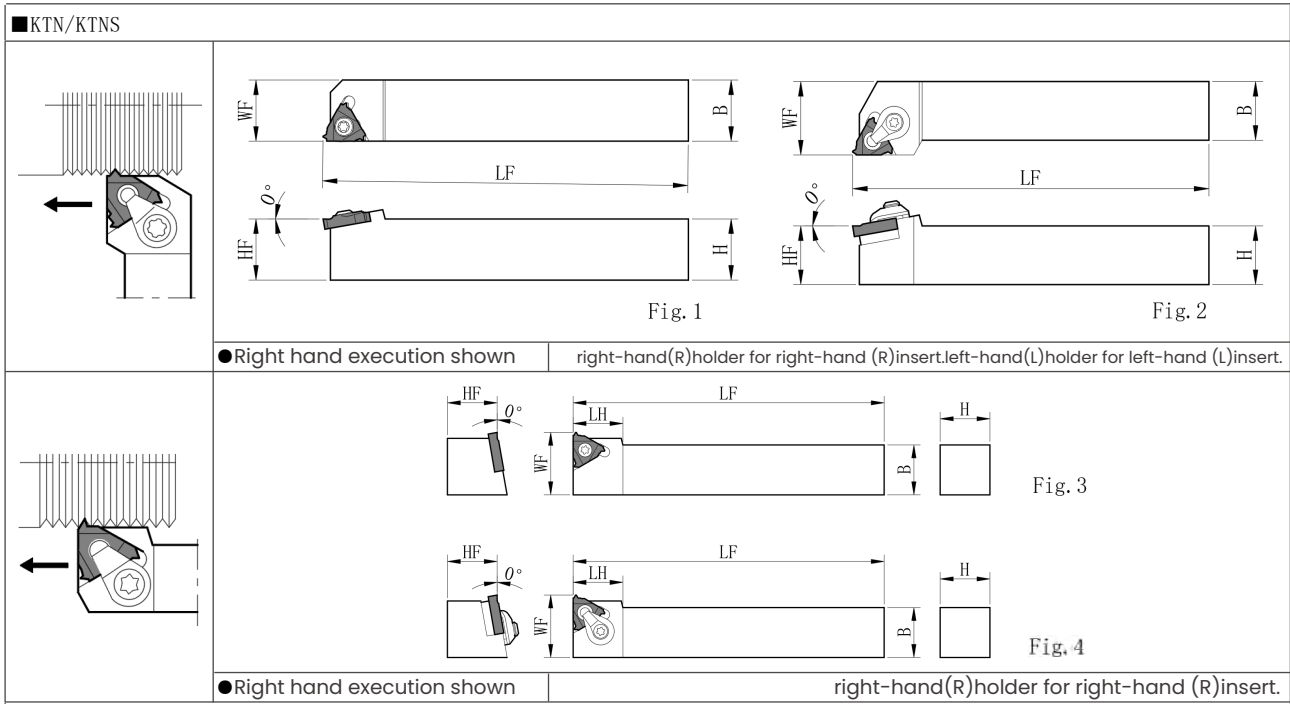
●Toolholder size

Model	in stock		processing diameter CUTDIA	Dimensions (mm)						inserts 	Spare Parts		
	R	L		H	HF	B	LF	HBH	WF		Th	screw 	torx wrench
QCTPAR/L 12H-OH	●	●	16.0	12	12	12	100	2	12	RC1/8 (PT1/8)	QCTPR/L...	M4.0	T15
QCTPAR/L 16H-OH	●	●		16	16	16		-	16				



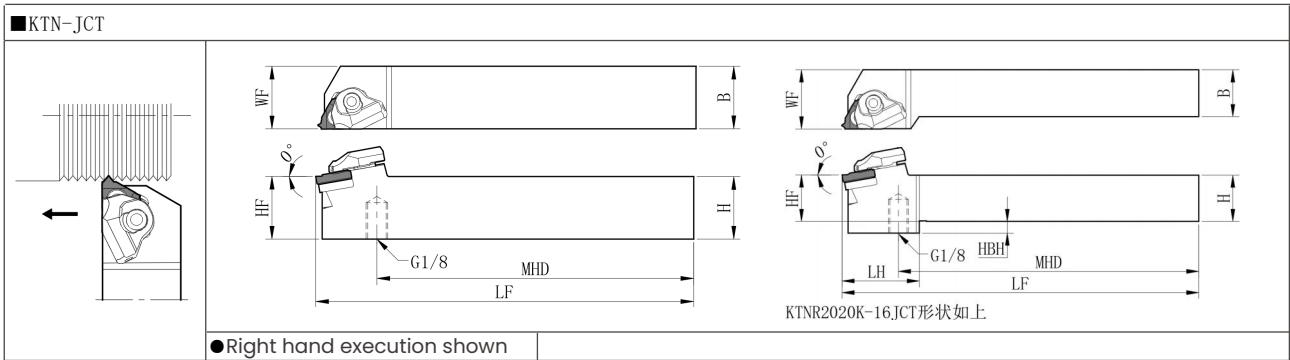
● Toolholder size

Model	in stock		processing diameter	Dimensions (mm)							inserts	Spare Parts	
	R	L		CUTDIA	H	HF	B	LF	HBH	LN		WF	screw
QCTPAR/L 10-SUB	●	●	16.0	10	10	10	120	2	20	5.5			
QCTPAR/L 12-SUB	●	●		12	12	12		-	20				
QCTPAR/L 16-SUB		●		16	16	16		-	28				



●Toolholder size

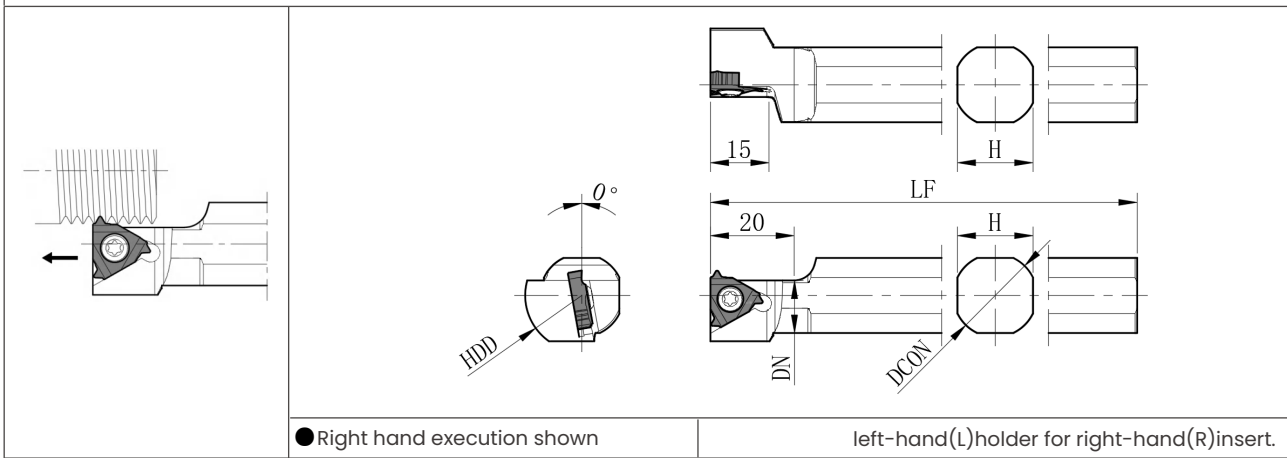
Model		in stock		Dimensions (mm)						shape	inserts	Spare Parts				
		R	L	H	HF	B	LF	LH	WF			clamp	screw	torx wrench	SHIM	screw
KTNR/L	1216JX-16F	●	●	12	12	16	120	-	16	Fig. 1	16ER/L...	-	M3.5	LTW-15S	-	-
KTNR/L	1616H-16	●	●	16	16		100	25	20	Fig. 2		CPS-5S	-	T-15	TN-32	M3.0
KTNR/L	1616JX-16F	●	●				120	-	16	Fig. 1		-	M3.5	LTW-15S	-	-
KTNR/L	2020H-16	●		20	20	100	25	25	Fig. 2	16ER...	CPS-5S	-	T-15	TN-32	M3.0	
KTNR/L	2020JX-16F	●	●			120	-	20	Fig. 1	-	M3.5	LTW-15S	-	-		
KTNR/L	2020K-16	●	●			125	25	30	Fig. 2	16ER/L...	CPS-5S	-	T-15	TN-32	M3.0	
KTNR/L	2525M-16	●	●	25	25	150	29			22ER...	CPS-6S	-	LW-3	TN-43	M3.0	
KTNR/L	2525M-22	●		25	25	25	150	29	32	Fig. 2	22ER...	CPS-6S	-	LW-3	TN-43	M3.0
KTNR/L	3225P-22	●		32	32											
KTNSR	1010H-16	●		10	10	10	100	16	16	Fig. 3	16ER...	-	M3.5	T-15	-	-
KTNSR	1212K-16	●		12	12	12	125	18	18	Fig. 4		CPS-5S	-		TN-32	M3.0
KTNSR	1616K-16	●		16	16	16		20	27.4			22	Fig. 4	-	-	-
KTNSR	2020K-16	●		20	20	20	20	20	27.4	Fig. 4	-	-	-	-	-	



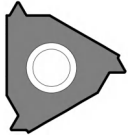

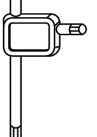
●Toolholder size

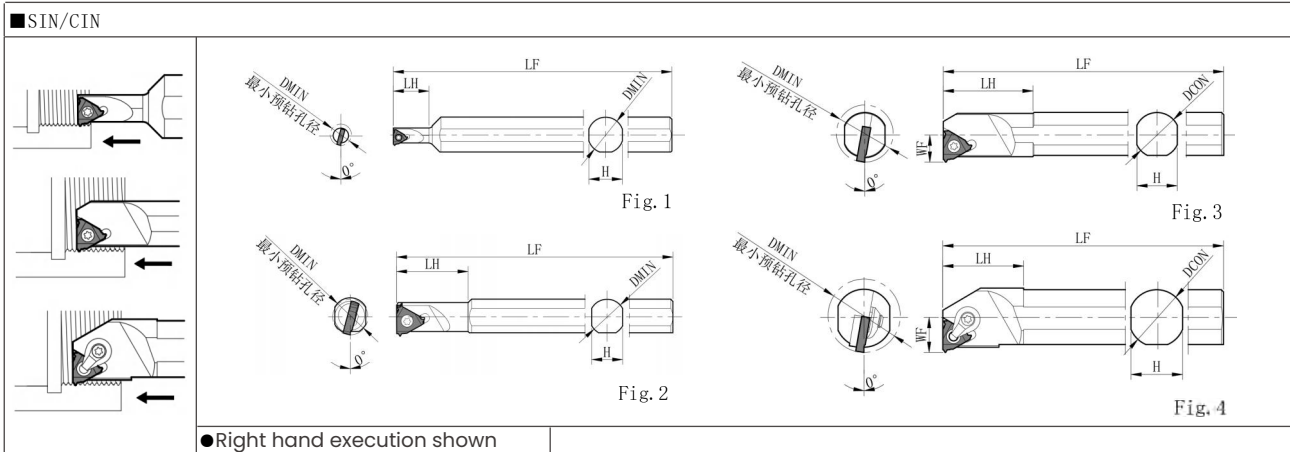
Model		in stock		Dimensions (mm)								inserts	Spare Parts				
		R	L	H	HF	HBH	B	WF	LF	LH	MHD		clamp	lock pin	torx wrench	SHIM	screw
KTNR	2020K-16JCT	●		20	20	5	20	25	125	33.3	100.7						
KTNR	2525M-16JCT	●		25	25	-	25	25	150	-	125.7						

■S-KTN



●Toolholder size

Model	in stock		Dimensions (mm)						inserts	Spare Parts	
	R	L	DCON	LF	WF	DN	HDD	H		screw	torx wrench
S16F-KTNL16		●	16	85	6	15	27	15	 16ER...	 M3.5	 T-15
S19K-KTNL16		●	19.05	120		18		17			
S20K-KTNL16		●	20			19		18			
S22K-KTNL16		●	22			21		20			
S25.0H-KTNL16		●	25	100	10	24	32	32			
S25K-KTNL16		●	25.4	120							



●Toolholder size

Model	in stock		Minimum pre-drilled hole size	Dimensions (mm)					shape	inserts	Spare Parts				
	R	L		DMIN	DCON	H	LF	LH			WF	clamp	screw	torx wrench	SHIM
SINR/L 0612S-06E	●		6.4	12	11	100	10	3.8	Fig. 1		5S 6S		T		
SINR/L 0816S-08E	●		7.8	16	15	125	16	4.0							
SINR/L 1216S-11E	●	●	12	16	14	150	25	6.3							
SINR/L 1516S-11	●	●	15				30	7.5							
SINR/L 1616S-16	●	●	16	16	14	150	32	8.6	Fig. 2			T			
SINR/L 2016S-16	●	●	20				37	10.0							
SINR/L 2420S-16	●	●	24	20	18	180	40	12.0	Fig. 3			T			
SINR/L 2420S-22	●		24	20	18	180	40	13.5							
CINR/L 3025S-16	●	●	30	25	23	200	36	15.0	Fig. 4		CPS-5S 6S		T LW		
CINR/L 3732S-16	●		37	32	30	250	45	18.5							
CINR/L 3025S-22	●		30	25	23	200	40	16.5							
CINR/L 3732S-22	●		37	32	30	250	45	20.0							

■ KQTKF/KQTKF

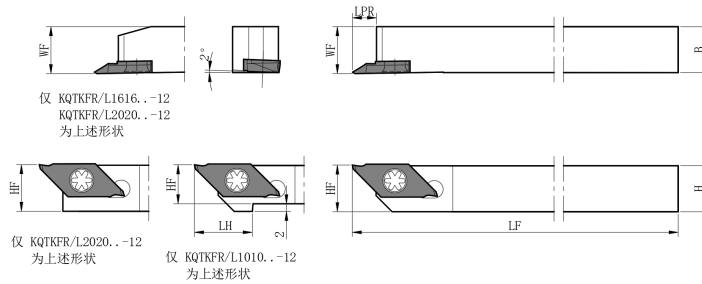
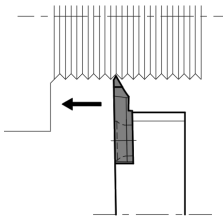


Fig. 1

● Right hand execution shown right-hand(R)holder for right-hand (R)insert,left-hand(L)holder for left-hand (L)insert.

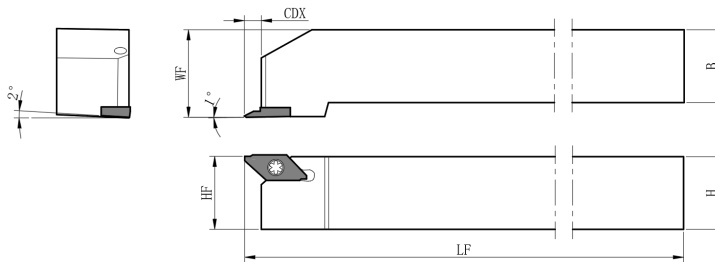
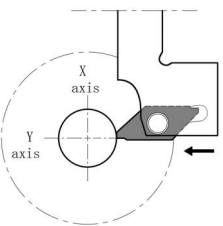


Fig. 2

● Right hand execution shown right-hand(R)holder for right-hand (R)insert,left-hand(L)holder for left-hand (L)insert.



(Y-axis toolholder)

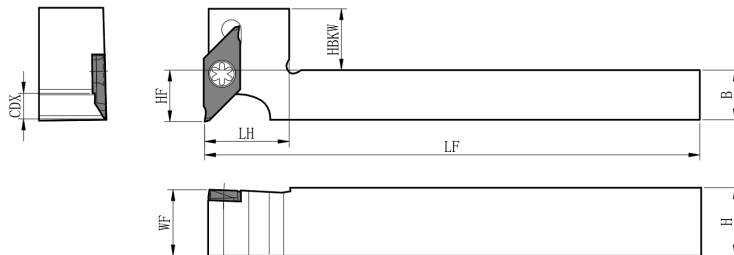
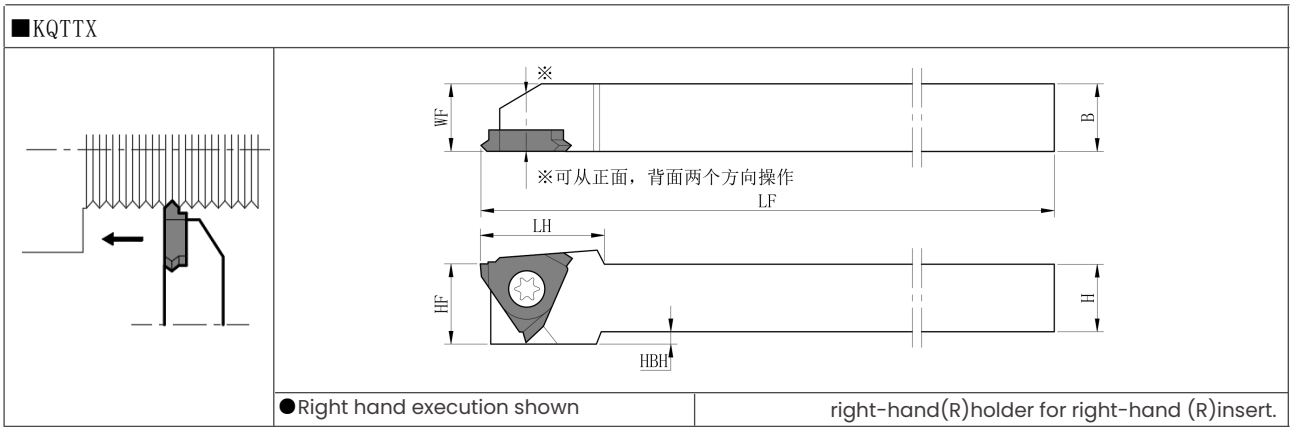


Fig. 3

● Right hand execution shown right-hand(R)holder for right-hand (R)insert.

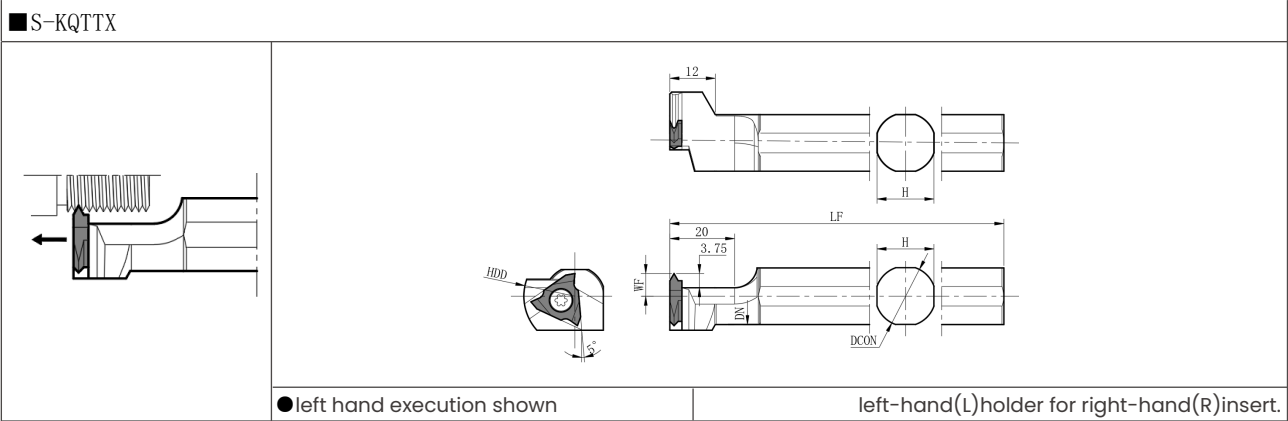
● Toolholder size

Model		in stock		Dimensions (mm)								shape	inserts	Spare Parts	
		R	L	H	HF	B	LF	LH	WF	CDX	HBKW			screw	torx wrench
KQTKFR/L	1010JX-12	●	●	10	10	10	120	15	10	6	-	Fig. 1	QTKF12R/L	M4.0	T15
KQTKFR/L	1212JX-12	●	●	12	12	12		12							
KQTKFR/L	1616JX-12	●	●	16	16	16		16							
KQTKFR/L	2020JX-12	●	●	20	20	20		20							
KQTKFR	2525M-12	●		25	25	25	150	-	30	6	-	Fig. 2	QTKF12R	M4.0	T15
KQTKFR/L	1212F-12	●	●	12	12	12	85	-	12	6	-	Fig. 1	QTKF12R/L	M4.0	T15
KQTKFR	1216JX-12-Y	●		12	12	16	120	20	16	6	15	Fig. 3	QTKF12R	M4.0	T15
KQTKFR	1616JX-12-Y	●		16	16			25			11				



● Toolholder size

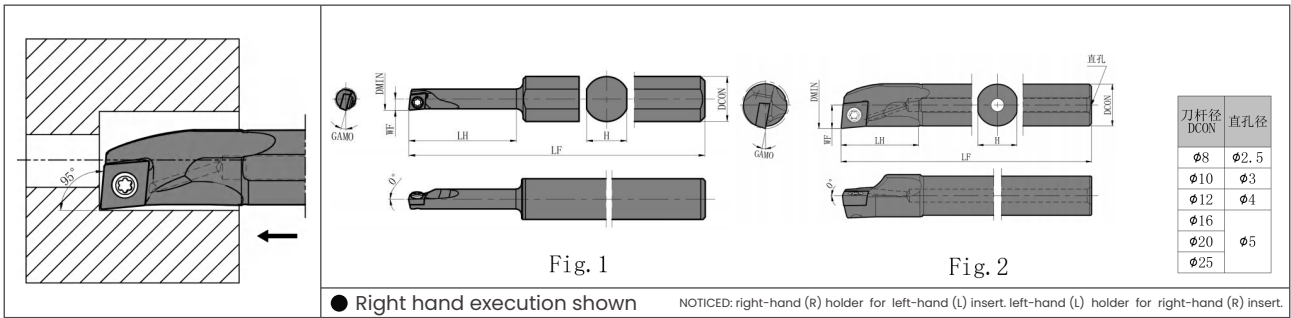
Model		in stock	Dimensions (mm)						inserts	Spare Parts		
			H	HF	HBH	B	LF	LH		WF	screw	torx wrench
KQTTXR	1010JX-16F	●	10	10	2	10	120	17.6	10	QTTX32R...	M4.0	T15
KQTTXR	1212JX-16F	●	12	12	-	12						
KQTTXR	1616JX-16F	●	16	16	-	16						
KQTTXR	1212F-16F	●	12	12	-	12	85	17.6	12	QTTX32R...	M4.0	T15
KQTTXR	2020K-16F	●	20	20	-	20	125					



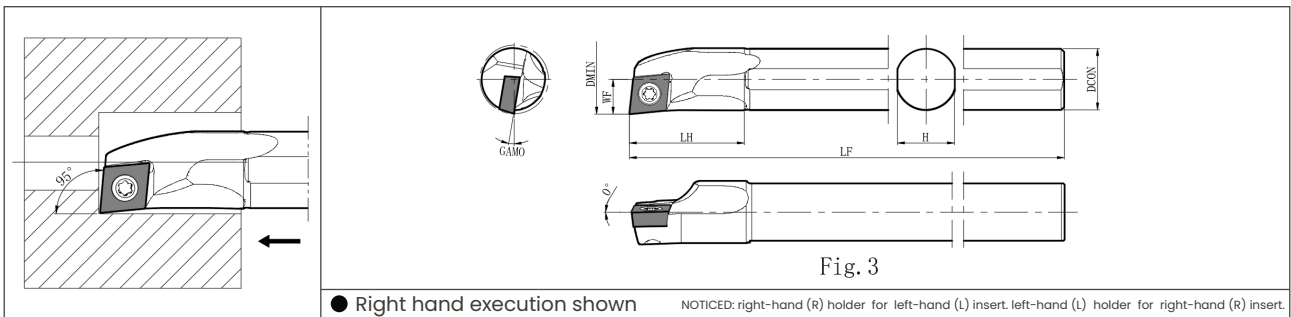
● Toolholder size

Model	in stock	Dimensions (mm)						inserts	Spare Parts			
		DCON	LF	WF	DN	HDD	H		screw	torx wrench		
S12F-KTTL16	●	12	80	6.0	11.0	27	11	QTTX32R...	M4.0	T15		
S14H-KTTL16	●	14	100		13.0		13					
S15F-KTTL16	●	15.875	85		14.6		15					
S16F-KTTL16	●	16	17.6		17							
S19G-KTTL16	●	19.05	90		18.6		18					
S19K-KTTL16	●		120									
S20G-KTTL16	●	20	90		10.0		13.6				32	23
S20K-KTTL16	●		120									
S25.0H-KTTL16	●	25	100									
S25K-KTTL16	●	25.4	120									

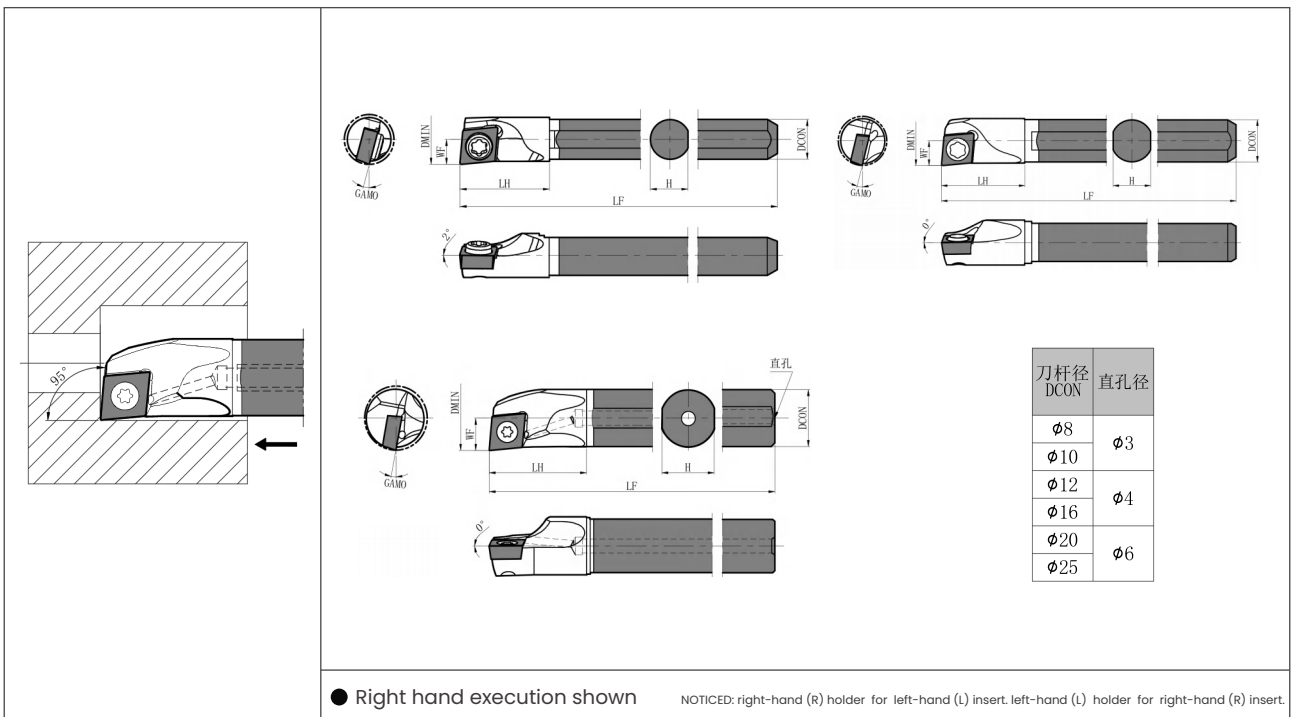
■ A/S-SCLC-AE General anti-vibration tool holder



■ C/E-SCLC-A



■ C/E-SCLC-A(N) Carbide anti-vibration tool holder



■ Toolholder size

Model		in stock		Minimum	Dimensions (mm)					GAMO	R (RE)	cooling holes	Shape	inserts	Spare Parts							
		R	L		DMIN	DCON	H	LF	LH						WF	SHIM screw	torx wrench					
General vibration-resistant toolholder	S10H-SCLCR/L03-05AE	●	●	5	10	9	100	24	2.5	24	0.2	无	Fig.1									
	S10H-SCLCR/L03-06AE	●	●	6				28	3	28												
	S10H-SCLCR/L04-07AE	●	●	7				32	3.5	32												
	S10H-SCLCR/L04-08AE	●	●	8				37	4	37												
	A08X-SCLCR/L06-10AE	●	●	10	8	7	120	16	5	16	0.4	有	Fig.2									
	A10L-SCLCR/L06-12AE	●	●	12	10	9	140	20	6	20												
	A12M-SCLCR/L06-14AE	●	●	14	12	11	150	24	7	30												
	A16Q-SCLCR/L09-18AE	●	●	18	16	15	180	30	9	36												
	A20R-SCLCR/L09-22AE	●	●	22	20	19	200	36	11	36												
A25S-SCLCR/L09-27AE	●	●	27	25	24	250	46	13.5	46													
steels	S08X-SCLCR/L06-10A	●	●	10	8	7	120	16	5	16							0.4	无	Fig.3			
	S10L-SCLCR/L06-12A	●	●	12	10	9	140	20	6	20												
	S12M-SCLCR/L06-14A	●	●	14	12	11	150	24	7	30												
	S16Q-SCLCR/L09-18A	●	●	18	16	15	180	30	9	36												
	S20R-SCLCR/L09-22A	●	●	22	20	19	200	36	11	36												
	S25S-SCLCR/L09-27A	●	●	27	25	24	250	46	13.5	46												
Cemented carbide	C04G-SCLCR/L03-05AN	●	●	5	4	3.8	90	7	2.5	7	0.2	无	Fig.4									
	C05H-SCLCR/L03-06AN	●	●	6	5	4.4	100	9	3	10												
	C06J-SCLCR/L04-07AN	●	●	7	6	5.4	110	10	3.5	11												
	C07K-SCLCR/L04-08AN	●	●	8	7	6.4	125	11	4	11												
	E08L-SCLCR/L06-10AN	●	●	10	8	7	140	14	5	14												
	E08L-SCLCR06-10AN2/3	●					90															
	E10N-SCLCR/L06-12AN	●	●	12	10	9	160	18	6	18												
	E10N-SCLCR06-12AN2/3	●					105															
	E12Q-SCLCR/L06-14A	●	●	14	12	10	180	23	7	28												
	E12Q-SCLCR06-14A-2/3	●					120															
	E16X-SCLCR/L09-18A	●	●	18	16	15	220	28	9	32												
	E16X-SCLCR09-18A-2/3	●					145															
	E20S-SCLCR/L09-22A	●	●	22	20	19	250	32	11	32												
	E20S-SCLCR09-22A-2/3	●					165															
	E25T-SCLCR/L09-27A	●	●	27	25	24	300	38	13.5	38												
E25T-SCLCR09-27A-2/3	●		200																			

■ A/S-SCLP-AE General anti-vibration tool holder

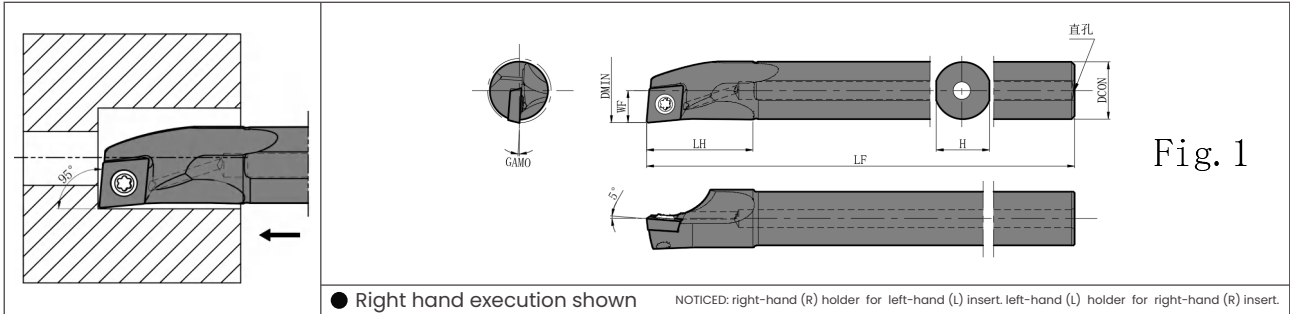


Fig. 1

■ S-SCLP-A

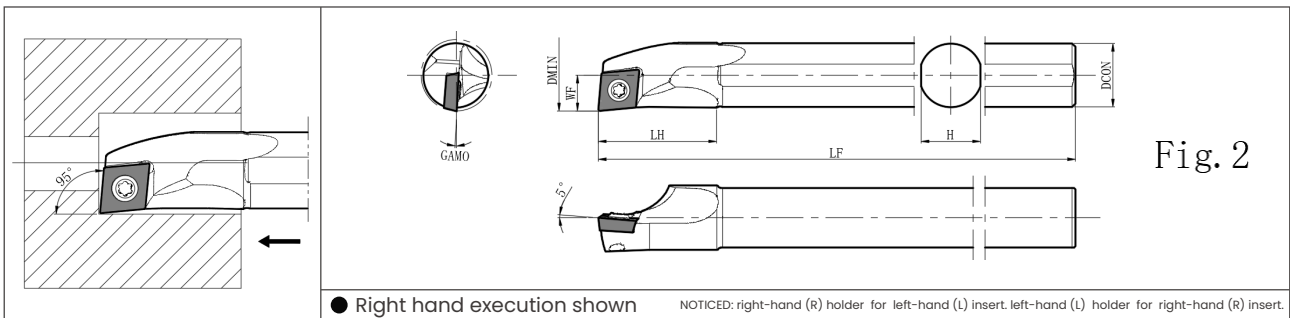


Fig. 2

■ E-SCLP-A(N) General anti-vibration tool holder

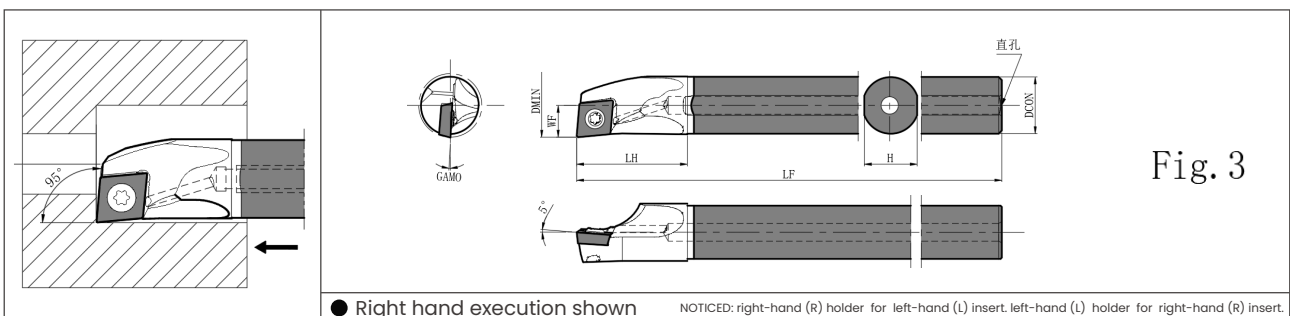


Fig. 3

■ Toolholder size

Model	in stock		Minimum	Dimensions (mm)						GAMO	R (RE)	cooling holes	Shape	inserts	Spare Parts		
	R	L		D _{MIN}	D _{CON}	H	LF	LH	WF						screw	torx wrench	
	●	●															
General vibration-resistant toolholder	A10L-SCLPR/L08-12AE	●	●	12	10	9	140	20	6	5°	0.4	有	Fig.1				
	A12M-SCLPR/L08-14AE	●	●	14	12	11	150	24	7	4°							
	A12M-SCLPR/L09-16AE	●	●	16					8								
	A16Q-SCLPR/L09-18AE	●	●	18	16	15	180	30	9	3.5°							
	A20R-SCLPR/L09-22AE	●	●	22	20	19	200	36	11	2°							
	A25S-SCLPR/L09-27AE	●	●	27	25	24	250	46	13.5	0°							
steels	S10L-SCLPR/L08-12A	●	●	12	10	9	140	20	6	5°	0.4	无	Fig.2				
	S12M-SCLPR/L08-14A	●	●	14	12	11	150	24	7	4°							
	S12M-SCLPR/L09-16A	●	●	16					8								
	S16Q-SCLPR/L09-18A	●	●	18	16	15	180	30	9	3.5°							
	S20R-SCLPR/L09-22A	●	●	22	20	19	200	36	11	2°							
	S25S-SCLPR/L09-27A	●	●	27	25	24	250	46	13.5	0°							
Cemented carbide	E10N-SCLPR/L08-12AN	●	●	12	10	9	105	18	160	6	5°	0.4	有	Fig.3			
	E10N-SCLPR08-12AN2/3	●	●						80								
	E10N-SCLPR08-12AN1/2	●	●														
	E12Q-SCLPR/L08-14A	●	●	14	12	11	120	23	180	7	4°						
	E12Q-SCLPR08-14A-2/3	●	●						90								
	E12Q-SCLPR08-14A-1/2	●	●														
	E12Q-SCLPR/L09-16A	●	●	16	12	11	120	23	180	8	5°						
	E12Q-SCLPR09-16A-2/3	●	●						90								
	E12Q-SCLPR09-16A-1/2	●	●														
	E16X-SCLPR/L09-18A	●	●	18	16	15	145	28	220	9	3.5°						
	E16X-SCLPR09-18A-2/3	●	●						110								
	E16X-SCLPR09-18A-1/2	●	●														
	E20S-SCLPR/L09-22A	●	●	22	20	19	165	32	250	11	2°						
	E20S-SCLPR09-22A-2/3	●	●						125								
	E20S-SCLPR09-22A-1/2	●	●														
E25T-SCLPR/L09-27A	●	●	27	25	24	300	38	13.5	13.5	0°							
E25T-SCLPR09-27A-2/3	●	●						200									

■ A-SDUC-AE General anti-vibration tool holder

刀杆径 DCON	直孔径
φ10	φ3
φ12	φ4
φ16	φ5
φ20	
φ25	

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ S-SDUC-A

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ S-SDUC-A General anti-vibration tool holder

刀杆径 DCON	直孔径
φ10	φ3
φ12	φ4
φ16	φ6
φ20	
φ25	

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ Toolholder size

Model		in stock		Minimum	Dimensions (mm)					GAMO	R (RE)	cooling holes	Shape	inserts	Spare Parts			
		R	L		D _{MIN}	D _{CON}	H	LF	LH						WF	WF2	screw	torx wrench
		●	●															
General vibration-resistant toolholder	A10L-SCLPR/L08-12AE	●	●	14	10	9	140	19	8.7	3.3	5°	0.4	有	Fig.2	DC...0702	M2.5	T8	
	A16Q-SDUCR/L07-14AE	●	●		16	15	180	28	10.8	4.4								Fig.1
	A12M-SDUCR/L07-16AE	●	●	16	12	11	150	21	9.7	3.3				Fig.2				
	A16Q-SDUCR/L07-20AE	●	●						11.7									
	A20R-SDUCR/L11-20AE	●	●	20	20	19	200	48	15.6	6.1				Fig.1				
	A16Q-SDUCR/L11-23AE	●	●						23						16	15	180	21
	A20R-SDUCR/L11-27AE	●	●	27	20	19	200	23	16.5	Fig.2								
	A25S-SDUCR/L11-32AE	●	●						32					25	24	250	24	19
Steels	S10L-SDUCR/L07-14A	●	●	14	10	9	140	19	8.7	3.3	5°	0.4	无	Fig.4	DC...0702	M2.5	T8	
	S16Q-SDUCR/L07-14A	●	●		16	15	180	28	10.8	4.4								Fig.3
	S12M-SDUCR/L07-16A	●	●	16	12	11	150	21	9.7	3.3				Fig.4				
	S16Q-SDUCR/L07-20A	●	●						11.7									
	S20R-SDUCR/L11-20A	●	●	20	20	19	200	48	15.6	6.1				Fig.3				
	S16Q-SDUCR/L11-23A	●	●						23						16	15	180	21
	S20R-SDUCR/L11-27A	●	●	27	20	19	200	23	16.5	Fig.4								
	S25S-SDUCR/L11-32A	●	●						32					25	24	250	24	19
Cemented carbide	E10N-SDUCR/L07-14A	●	●	14	10	9	160	20	8.7	5°	0.4	有	Fig.5	DC...0702	M2.5	T8		
	E10N-SDUCR07-14A-2/3	●					105											
	E12Q-SDUCR/L07-16A	●	●	16	12	11	180	23	9.7								3.3	
	E12Q-SDUCR07-16A-2/3	●					120											
	E16X-SDUCR/L07-20A	●	●	20	16	15	220	28	11.7									
	E16X-SDUCR07-20A-2/3	●					145											
	E16X-SDUCR/L11-23A	●	●	23	16	15	220	32	14.5									
	E16X-SDUCR11-23A-2/3	●					145											
	E20S-SDUCR/L11-27A	●	●	27	20	19	250	16.5	6.1									
	E20S-SDUCR/L11-27A-2/3	●					165											
	E25T-SDUCR/L11-32A	●	●	32	25	24	300	38	19									
	E25T-SDUCR/L11-32A-2/3	●					200											

■ A-SDQC-AE General anti-vibration tool holder

刀杆径 DCON	直孔径
Ø10	Ø3
Ø12	Ø4
Ø16	Ø5
Ø20	
Ø25	

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ S-SDQC-A

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ E-SDQC-A Carbide anti-vibration tool holder

刀杆径 DCON	直孔径
Ø10	Ø3
Ø12	Ø4
Ø16	
Ø20	Ø6
Ø25	

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ Toolholder size

Model		in stock		Minimum	Dimensions (mm)						GAMO	R (RE)	cooling holes	Shape	inserts	Spare Parts		
		R	L		DMIN	DCON	H	LF	LH	WF						WF2	screw	torx wrench
General vibration-resistant toolholder	A10L-SDQCR/L07-13AE	●	●	13	10	9	140	19	7.5	2.1	10°	0.4	有	Fig.1				
	A12M-SDQCR/L07-16AE	●	●	16	12	11	150	22	9.25	2.6	8°							
	A16Q-SDQCR/L07-20AE	●	●	20	16	15	180	25	11.3	3.7	6°							
	A20R-SDQCR/L11-25AE	●	●	25	20	19	200	31	14.4	3.7	5°							
	A25S-SDQCR/L11-30AE	●	●	30	25	24	250	38	16.9	3.7	4°							
steels	S10L-SDQCR/L07-13A	●	●	13	10	9	140	19	7.5	2.1	10°	0.4	无	Fig.2				
	S12M-SDQCR/L07-16A	●	●	16	12	11	150	22	9.25	2.6	8°							
	S16Q-SDQCR/L07-20A	●	●	20	16	15	180	25	11.3	3.7	6°							
	S20R-SDQCR/L11-25A	●	●	25	20	19	200	31	14.4	3.7	5°							
	S25S-SDQCR/L11-30A	●	●	30	25	24	250	38	16.9	3.7	4°							
Cemented carbide	E10N-SDUCR/L07-14A	●	●	13	10	9	160	20	7.5	2.1	10°	0.4	有	Fig.3				
	E10N-SDUCR07-14A-2/3	●					105											
	E12Q-SDUCR/L07-16A	●	●	16	12	11	180	23	9.25	2.6	8°							
	E12Q-SDUCR07-16A-2/3	●					120											
	E16X-SDUCR/L07-20A	●	●	20	16	15	220	28	11.3	2.6	6°							
	E16X-SDUCR07-20A-2/3	●					145											
	E20S-SDUCR/L11-27A	●	●	25	20	19	250	32	14.4	3.7	5°							
	E20S-SDUCR/L11-27A-2/3	●					165											
	E25T-SDUCR/L11-32A	●	●	30	25	24	300	38	16.9	3.7	4°							
	E25T-SDUCR/L11-32A-2/3	●					200											

■ A-SDZC-AE General anti-vibration tool holder

刀杆径 DCON	直孔径
φ10	φ3
φ12	φ4
φ16	φ5
φ20	
φ25	

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ S-SDZC-A

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ E-SDZC-A Carbide anti-vibration tool holder

刀杆径 DCON	直孔径
φ10	φ3
φ12	φ4
φ16	φ6
φ20	
φ25	

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ Toolholder size

Model		in stock		Minimum	Dimensions (mm)							GAMOR (RE)	cooling holes	Shape	inserts	Spare Parts							
		R	L		D/MIN	D/CON	H	LPR	LF	LH	WF					WF2	screw	torx wrench					
		●	●																				
General vibration-resistant toolholder	A10L-SDQCR/L07-13AE	●	●	14	10	9	140	130.5	14	8.7	3.3	5°	0.4	有	Fig.2	DC...0702	M2.5	T8					
	A10L-SDQCR/L07-13AE	●	●		16	15	180	170	30	10.8	4.4								Fig.1				
	A10L-SDQCR/L07-13AE	●	●	16	12	11	150	139.5	14	9.7	3.3				Fig.2								
	A10L-SDQCR/L07-13AE	●	●							169.5					11.7				Fig.1				
	A10L-SDQCR/L07-13AE	●	●	20	20	19	200	185	40	15.6	6.1				5°	0.4	有	Fig.1	DC...11T3	M4.0	T15		
	A10L-SDQCR/L07-13AE	●	●																			23	16
	A10L-SDQCR/L07-13AE	●	●	27	20	19	200	185	15	16.5	6.1				5°	0.4	有	Fig.2				M4.0	T15
	A10L-SDQCR/L07-13AE	●	●																				
steels	A10L-SDQCR/L07-13AE	●	●	14	10	9	140	130.5	14	8.7	3.3	5°	0.4	无	Fig.4	DC...0702	M2.5	T8					
	A10L-SDQCR/L07-13AE	●	●		16	15	180	170	30	10.8	4.4								Fig.3				
	A10L-SDQCR/L07-13AE	●	●	16	12	11	150	139.5	14	9.7	3.3				Fig.4								
	A10L-SDQCR/L07-13AE	●	●							169.5					11.7				Fig.3				
	A10L-SDQCR/L07-13AE	●	●	20	20	19	200	185	40	15.6	6.1				5°	0.4	无	Fig.3	DC...11T3	M4.0	T15		
	A10L-SDQCR/L07-13AE	●	●																			23	16
	A10L-SDQCR/L07-13AE	●	●	27	20	19	200	185	15	16.5	6.1				5°	0.4	无	Fig.4				M4.0	T15
	A10L-SDQCR/L07-13AE	●	●																				
Cemented carbide	A10L-SDQCR/L07-13AE	●		14	10	9	160	150.5	10.5	8.7	5°	0.4	有	Fig.5	DC...0702	M2.5	T8						
	A10L-SDQCR/L07-13AE	●		16	12	11	180	169.5	12.5	9.7								3.3					
	A10L-SDQCR/L07-13AE	●		20	16	15	220	209.5	17.5	11.7					6.1	5°	0.4	有	Fig.5	DC...11T3	M4.0	T15	
	A10L-SDQCR/L07-13AE	●																					23
	A10L-SDQCR/L07-13AE	●		27	20	19	250	205	17	16.5					6.1	5°	0.4	有	Fig.5	M4.0	T15		

■ A-STLC-AE General anti-vibration tool holder

刀杆径 DCON	直孔径
Ø8	Ø2.5
Ø10	Ø3
Ø12	Ø4
Ø16	Ø5
Ø20	

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

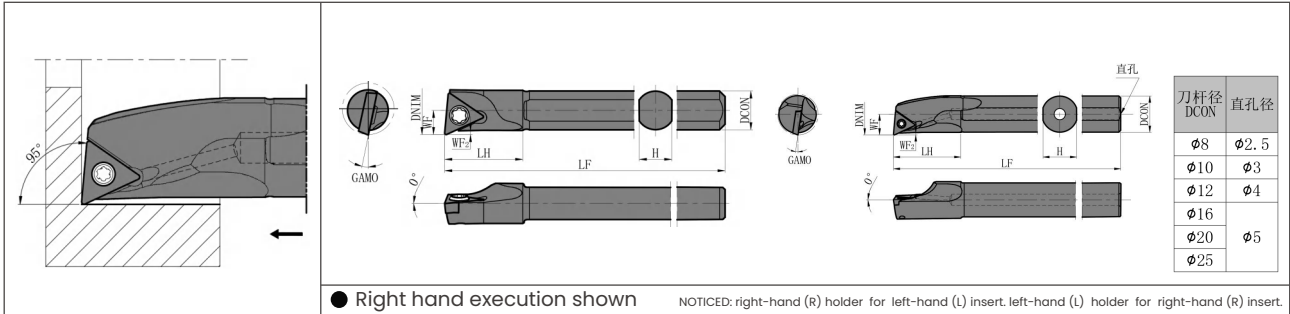
■ S-STLC-A

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

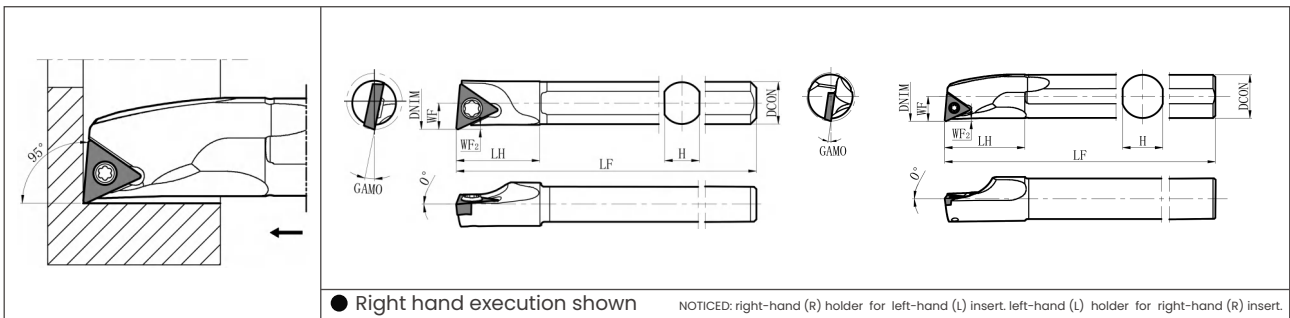
■ Toolholder size

Model	in stock		Minimum	Dimensions (mm)						GAMO	R (RE)	cooling holes	Shape	inserts	Spare Parts	
	R	L		DMIN	DCON	H	LF	LH	WF						WF2	screw
General vibration-resistant toolholder	●	●	10	8	7	120	16	5	0.5	14°	10°	有	Fig.1	TC...0902	M2.2	T7
	●	●	12	10	9	140	20	6.2	0.9	12°						
	●	●	14	12	11	150	24	7.2	0.7	10°						
	●	●	18	16	15	180	30	9.2	0.7	8°				TC...1102	M2.5	T8
	●	●	22	20	19	200	36	11.2	0.7	6°						
	steels	●	●	10	8	7	120	16	5	0.5				14°	10°	无
●		●	12	10	9	140	20	6.2	0.9	12°						
●		●	14	12	11	150	24	7.2	0.7	10°	TC...1102	M2.5	T8			
●		●	18	16	15	180	30	9.2	0.7	8°						
●		●	22	20	19	200	36	11.2	0.7	6°						

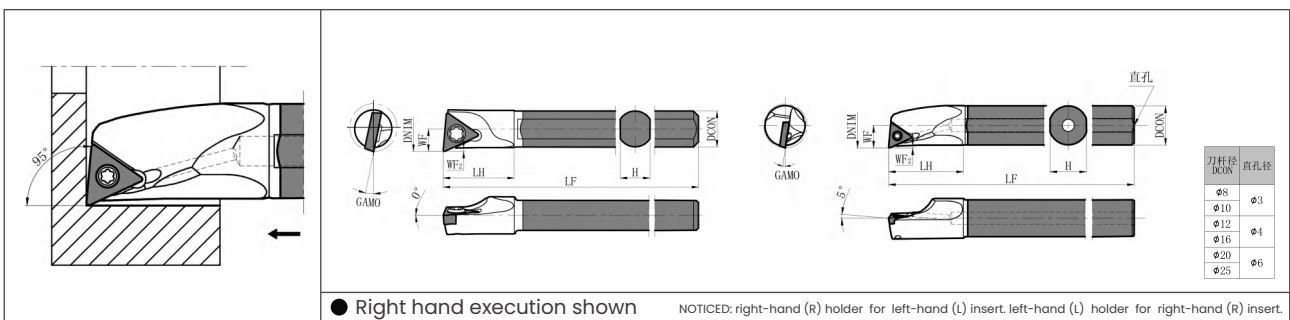
■ A-STLB(P)-AE General anti-vibration tool holder



■ S-STLB(P)-A



■ C/E-STLB(P)-A(N) Carbide anti-vibration tool holder



■ Toolholder size

Model	in stock		Dimensions (mm)								GAMO	R (RE)	cooling holes	Shape	inserts	Spare Parts						
	R	L	D _{MIN}	D _{CON}	H	LF	LH	WF	WF2	screw						torx wrench						
	Minimum	Minimum																				
General vibration-resistant toolholder	S06H-STLBR/L06-08AE	●	●	8	6	5	100	12	3.8	0.5	12°	0.2	无	Fig.1	TB...0601	M2.0	T6					
	A08X-STLPR/L08-10AE	●	●	10	8	7	120	16	5	0.5	10°	0.4	有	Fig.2	TP...0802	M2.5	T8					
	A08X-STLPR/L09-10AE	●	●	12	10	9	140	20	6.2	0.9	8°											
	A10L-STLPR/L09-12AE	●	●						6	0.7	10°											
	A10L-STLPR/L11-12AE	●	●	14	12	11	150	24	7.2	0.8	7°											
	A12M-STLPR/L11-14AE	●	●						7.2	0.8	7°											
	A12M-STLPR/L09-16AE	●	●	16	18	16	15	180	30	9.2	3.5°											
	A16Q-STLPR/L11-18AE	●	●	18											8			0.6	5°			
	A20R-STLPR/L11-22AE	●	●	22	20	19	200	36	11.2	0.7	2°											
	A20R-STLPR/L16-25AE	●	●	25											13			0°				
	A25S-STLPR/L16-27AE	●	●	27	25	24	250	46	13.7						TP...1603			M4.0	T15			
	steels	S06H-STLBR/L06-08A	●	●	8	6	5	100	12	3.8	0.5				12°			0.2	无	Fig.1	TB...0601	M2.0
S08X-STLPR/L08-10A		●	●	10	8	7	120	16	5	0.5	10°				0.4			有	Fig.2	TP...0802		
S08X-STLPR/L09-10A		●	●	12	10	9	140	20	6.2	0.9	8°											
S10L-STLPR/L09-12A		●	●						6	0.7	10°											
S10L-STLPR/L11-12A		●	●	14	12	11	150	24	7.2	0.8	7°											
S12M-STLPR/L11-14A		●	●						7.2	0.8	7°											
S12M-STLPR/L09-16A		●	●	16	18	16	15	180	30	9.2	3.5°											
S16Q-STLPR/L11-18A		●	●	18								8	0.8	5°								
S20R-STLPR/L11-22A		●	●	22	20	19	200	36	11.2	0.7	2°											
S25S-STLPR/L16-27A		●	●	27								25	24	250		46	13.7			0°		
TP...1603		M4.0	T15																			
Cemented carbide		C06J-STLBR/L06-08AN	●	●	8	6	5.4	110	10	3.8	0.5	12°	0.2	无		Fig.5	TB...0601			M2.0	T6	
	E08L-STLPR/L08-10AN	●	●	10	8	7	140	14	5	0.5	10°	0.4	有	Fig.6		TP...0802						
	E08L-STLPR/L09-10AN	●	●	12	10	9	160	18	6.2	0.9	8°											
	E10N-STLPR/L09-12AN	●	●												105	6	0.7	10°				
	E10N-STLPR09-12AN2/3	●	●	80																		
	E10N-STLPR09-12AN1/2	●	●	160																		
	E10N-STLPR/L11-12AN	●	●	14	10	11	180	23	7.2	0.8	7°											
	E10N-STLPR11-12AN2/3	●	●												105							
	E10N-STLPR11-12AN1/2	●	●	80																		
	E12Q-STLPR/L11-14A	●	●	14	12	11	180	23	7.2	0.8	7°											
	E12Q-STLPR11-14A-2/3	●	●												120							
	E12Q-STLPR11-14A-1/2	●	●	90																		
	E12Q-STLPR/L09-16A	●	●	16	12	11	180	23	8	0.6	5°											
	E12Q-STLPR09-16A-2/3	●	●												120							
	E12Q-STLPR09-16A-1/2	●	●	90																		
	E16X-STLPR/L11-18A	●	●	18	16	15	220	28	9.2	3.5°												
	E16X-STLPR11-18A-2/3	●	●								145											
	E16X-STLPR11-18A-1/2	●	●	110																		
	E20S-STLPR/L11-22A	●	●	22	20	19	250	32	11.2	2°												
	E20S-STLPR11-22A-2/3	●	●								165											
	E20S-STLPR11-22A-1/2	●	●	125																		
	E20S-STLPR/L16-25A	●	●	25	20	19	250	32	13	0°												
	E20S-STLPR16-25A-2/3	●	●								165											
	E20S-STLPR16-25A-1/2	●	●	125																		
	E25T-STLPR/L16-27A	●	●	27	25	24	300	38	13.7													
	E25T-STLPR/L16-27A-2/3	●	●								200											
TP...1603	M4.0	T15																				

■ A-SVJP(C)(B)-AE General anti-vibration tool holder

刀杆径 DCON	直孔径
φ12	φ4
φ16	
φ20	φ5
φ25	
φ32	φ7
φ40	φ9

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ S-SVJP(C)(B)-A

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ Toolholder size

Model	in stock		Dimensions (mm)							GAMO	R (RE)	cooling holes	Shape	Spare Parts					
	R	L	DMIN	DCON	H	LF	LU	LH	WF					inserts	screw	torx wrench	SHIM	screw	Hex wrench
General vibration-resistant toolholder	●	●	16	12	11	150	26	33	2	5°	0.2	有	Fig.2	VP...0802					
	●	●	20	16	15	180	36	43						VC...0802	M2.0	T6	-	-	-
	●	●	25	20	19	200	37.5	48	3.5	8°	0.4	有	Fig.2	VB...1103	M2.5	T8	-	-	-
	●	●	30	25	25	250	45	58						VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4
	●	●	40	32	31	60	74		8°	7°	0.4	无	Fig.3	VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4
	●	●	50	40	39	300	75	91						4.5	7°	Fig.4	VB...1604	M4.0	T15
steels	●	●	16	12	11	150	26	33	2	5°	0.2	无	Fig.3	VP...0802					
	●	●	20	16	15	180	36	43						VC...0802	M2.0	T6	-	-	-
	●	●	25	20	19	200	37.5	48	3.5	8°	0.4	无	Fig.3	VB...1103	M2.5	T8	-	-	-
	●	●	30	25	24	250	45	58						VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4
	●	●	40	32	31	60	74		8°	7°	0.4	无	Fig.4	VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4
	●	●	50	40	39	300	75	91						4.5	7°	Fig.4	VB...1604	M4.0	T15

■ A-SVPC(B)-AE General anti-vibration tool holder

Maximum overhang L/D = ~5.5

刀杆径 DCON	直孔径
φ10	φ3
φ12	φ4
φ16	
φ20	φ5
φ25	
φ32	

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert, left-hand (L) holder for right-hand (R) insert.

■ A-SVPC(B)-AE

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert, left-hand (L) holder for right-hand (R) insert.

■ S-SVPC(B)-A

刀杆径 DCON	直孔径
φ10	φ3
φ12	
φ16	φ4
φ20	
φ25	φ6

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert, left-hand (L) holder for right-hand (R) insert.

■ Toolholder size

Model	in stock		Mini mum	Dimensions (mm)						GAMO	R (Rf)	cooling holes	Shape	in stock	Spare Parts					
	R	L		DMIN	DCON	H	LF	LH	WF						WF2	screw	torex wrench	SHIM	screw	Hex wrench
General vibration-resistant toolholder	A10L-SVPCR/L08-14AE	●	●	14	10	9	140	24	8.5	3	8°	0.4	有	Fig.1	VC...0802	M2.0	T6	-	-	-
	A12M-SVPBR/L11-18AE	●	●	18	12	11	150	29	11	4.5					VB...1103	M2.5	T8	-	-	-
	A16Q-SVPBR/L11-22AE	●	●	22	16	15	180	35	13.5	5°	Fig.2			VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4	
	A20R-SVPBR/L11-26AE	●	●	26	20	19	200	41	15.5											5
	A25S-SVPBR/L16-31AE	●	●	31	25	24	250	51	18	13°										
	A32S-SVPBR/L16-40AE	●	●	40	32	31		54	23	6.5	9°									
steels	A10L-SVPCR/L08-14AE	●	●	14	10	9	140	24	8.5	3	8°	0.4	无	Fig.3	VC...0802	M2.0	T6	-	-	-
	A12M-SVPBR/L11-18AE	●	●	18	12	11	150	29	11	4.5					VB...1103	M2.5	T8	-	-	-
	A16Q-SVPBR/L11-22AE	●	●	22	16	15	180	35	13.5	5°	Fig.4			VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4	
	A20R-SVPBR/L11-26AE	●	●	26	20	19	200	41	15.5											5
	A25S-SVPBR/L16-31AE	●	●	31	25	24	250	51	18	13°										
	A32S-SVPBR/L16-40AE	●	●	40	32	31		54	23	6.5	9°									
Cemented carbide	E10N-SVPCR/L08-14AE	●		14	10	9	160	20	8.5	3	8°	0.4	有	Fig.5	VC...0802	M2.0	T6	-	-	-
	E12Q-SVPBR/L11-18AE	●		18	12	11	180	23	11	4.5					VB...1103	M2.5	T8	-	-	-
	E16X-SVPBR/L11-22AE	●		22	16	15	220	28	13.5	5°	Fig.6			VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4	
	E20S-SVPBR/L11-26AE	●		26	20	19	250	32	15.5											5
	E25T-SVPBR/L16-31AE	●		31	25	24	300	38	18	13°										

■ A-SVUC(B)-AE General anti-vibration tool holder

A12M-SVUC/L08-16AE的直孔孔径 (Φ3)
 A14Q-SVUC/L11-20AE的直孔孔径 (Φ3)
 A30K-SVUC/L11-25AE的直孔孔径 (Φ3)
 A32S-SVUC/L16-40AE为直孔径 (Φ5)

刀杆径 DCON	孔口孔径	直孔径
Φ12	Φ4	-
Φ16	Φ5	-
Φ20	Φ5	-
Φ25	-	Φ5
Φ32	-	Φ5

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ S-SVUC(B)-A

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ S-SVUC(B)-A

刀杆径 DCON	直孔径
Φ12	Φ4
Φ16	Φ4
Φ20	Φ6
Φ25	Φ6

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

■ Toolholder size

Model	in stock		Mini mum	Dimensions (mm)							GAMO	R (R°)	cooling holes	Shape	inserts	Spare Parts				
	R	L		DMIN	DCON	H	LF	LH	WF	WF2						screw	torex wrench	SHIM	screw	Hex wrench
General vibration-resistant toolholder	A12M-SVUCR/L08-16AE	●	●	16	12	11	150	25.5	11.5	5.5	8°	0.4	有	Fig.1	VC...0802	M2.0	T6	-	-	-
	A16Q-SVUBR/L11-20AE	●	●	20	16	15	180	32.5	16	8					VB...1103	M2.5	T8	-	-	-
	A20R-SVUBR/L11-25AE	●	●	25	20	19	200	40.5	18	8	Fig.2			VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4	
	A25S-SVUBR/L16-34AE	●	●	34	25	24	250	40	20.5		8.5			13°	Fig.1	VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N
	A32S-SVUBR/L16-40AE	●	●	40	32	31		84	28	12	9°									
steels	S12M-SVUCR/L08-16A	●	●	16	12	11	150	25.5	11.5	5.5	8°	0.4	无	Fig.3	VC...0802	M2.0	T6	-	-	-
	S16Q-SVUBR/L11-20A	●	●	20	16	15	180	32.5	16	8					VB...1103	M2.5	T8	-	-	-
	S20R-SVUBR/L11-25A	●	●	25	20	19	200	40.5	18	8	Fig.4			VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4	
	S25S-SVUBR/L16-34A	●	●	34	25	24	250	40	20.5		8.5			13°	Fig.3	VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N
	S32S-SVUBR/L16-40A	●	●	40	32	31		84	28	12	9°									
Cemented carbide	E12Q-SVUCR08-18A	●		18	12	11	180	23	11.5	5.5	8°	0.4	有	Fig.5	VC...0802	M2.0	T6	-	-	-
	E16X-SVUBR11-25A	●		25	16	15	220	28	16	8					VB...1103	M2.5	T8	-	-	-
	E20S-SVUBR11-29A	●		29	20	19	250	32	18	8	7°			VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4	
	E25T-SVUBR16-34A	●		34	25	24	300	38	21		8.5			13°						

■ A-SVZC(B)-AE General anti-vibration tool holder

A12M-SVZCR/L08-16AE的直孔孔径(φ3)
 A16Q-SVZBR/L11-20AE的直孔孔径(φ3)
 A20R-SVZBR/L11-25AE的直孔孔径(φ3)
 A25S-SVZBR/L16-34AE的直孔孔径(φ5)

刀杆径 DCON	孔口孔径	直孔径
φ12	φ4	-
φ16	φ5	-
φ20	φ5	-
φ25	-	φ5
φ32	-	φ5

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert, left-hand (L) holder for right-hand (R) insert.

■ S-SVZC(B)-A

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert, left-hand (L) holder for right-hand (R) insert.

■ Toolholder size

Model	in stock		Mini mum	Dimensions (mm)							GAMO	R (RE)	cooling holes	Shape	inserts	Spare Parts				
	R	L		DCON	H	LPR	LF	LH	WF	WF2						screw	torx wrench	SHIM	screw	Hex wrench
				DMIN																
General vibration-resistant toolholder	●	●	16	12	11	150	142.5	25.5	11.5	5.5	8°	0.4	有	Fig.1	VC...0802	M2.0	T6	-	-	-
	●	●	20	16	15	180	170	15	16	8					VB...1103	M2.5	T8	-	-	-
	●	●	25	20	19	200	190	19	18	8	7°	0.4	无	Fig.2	VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4
	●	●	34	25	24	250	232.5	24	20.5	8.5	13°									
	●	●	40	32	31	31	28	12	9°											
Steels	●	●	16	12	11	150	142.5	11	11.5	5.5	8°	0.4	无	Fig.3	VC...0802	M2.0	T6	-	-	-
	●	●	20	16	15	180	170	15	16	8					VB...1103	M2.5	T8	-	-	-
	●	●	25	20	19	200	190	19	18	8	7°	0.4	无	Fig.4	VB...1604	M4.0	T15	SVN-32N (SVN-32S)	SS-4N	LW-4
	●	●	34	25	24	250	232.5	24	20.5	8.5	13°									
	●	●	40	32	31	31	28	12	9°											

■ S/A-SWUB(P)-AE General anti-vibration tool holder

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

刀杆径 DCON	直孔径
φ8	φ2.5
φ10	φ3
φ12	φ4
φ16	φ4
φ20	φ5

A08X-SWUBR/L08-10AE, A10L-SWUBR/L08-12AE为0°

■ S-SWUB(P)-A

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

S08X-SWUBR/L08-10A, S10L-SWUBR/L08-12A为0°

■ C/E-SWUB(P)-A(N) Carbide anti-vibration tool holder

● Right hand execution shown NOTICED: right-hand (R) holder for left-hand (L) insert. left-hand (L) holder for right-hand (R) insert.

刀杆径 DCON	直孔径
φ5	-
φ6	-
φ7	-
φ8	φ3
φ10	φ3
φ12	φ4
φ16	φ4
φ20	φ6

E08L-SWUBR/L08-10A, E10N-SWUBR/L08-12A
E10N-SWUBR/L08-12A-2/3, E10N-SWUBR/L08-12A-1/2为0°

■ Toolholder size

Model	in stock		Minimum	Dimensions (mm)						GAMOR (RE)	cooling holes	Shape	inserts	Spare Parts		
	R	L	DMIN	DCON	H	LF	LH	WF	screw					torx wrenchscrew		
General vibration-resistant toolholder	S10H-SWUBR/L06-06AE	●	●	6	10	9	100	21	3	3.5	0.2	无	Fig.1	WB...0601	M2.0	T6
	S10H-SWUBR/L06-07AE	●	●	7				25	3.5							
	S10H-SWUBR/L08-08AE	●	●	8				28	4							
	A08X-SWUBR/L08-10AE	●	●	10	8	7	120	16	5	3.5	0.4	有	Fig.2	WB...0802	M2.5	T8
	A10L-SWUBR/L08-12AE	●	●	12	10	9	140	20	6	3.5						
	A12M-SWUPR/L11-14AE	●	●	14	12	11	150	24	7	3.5						
	A16Q-SWUPR/L11-18AE	●	●	18	16	15	180	30	9	3.5	0.8			WP...1102	M4.0	T15
	A16Q-SWUPR/L16-18AE	●	●	18						3.5						
	A20R-SWUPR/L16-22AE	●	●	22	20	19	200	36	11	3.5	0.8			WP...1603	M4.0	T15
S10H-SWUBR/L06-06A	●	●	6	10	9	100	21	3	3.5	0.2						
S10H-SWUBR/L06-07A	●	●	7				25	3.5	3.5							
S10H-SWUBR/L08-08A	●	●	8				28	4	3.5							
steels	S08X-SWUBR/L08-10A	●	●	10	8	7	120	16	5	3.5	0.4	无	Fig.4	WB...0802	M2.5	T8
	S10L-SWUBR/L08-12A	●	●	12	10	9	140	20	6	3.5						
	S12M-SWUPR/L11-14A	●	●	14	12	11	150	24	7	3.5						
	S16Q-SWUPR/L11-18A	●	●	18	16	15	180	30	9	3.5	0.8			WP...1102	M4.0	T15
	S16Q-SWUPR/L16-18A	●	●	18						3.5						
	S20R-SWUPR/L16-22A	●	●	22	20	19	200	36	11	3.5	0.8			WP...1603	M4.0	T15
	C05H-SWUBR/L06-06AN	●	●	6	5	4.4	100	9	3	3.5						
	C06J-SWUBR/L06-07AN	●	●	7	6	5.4	110	10	3.5	3.5						
	C07K-SWUBR/L08-08AN	●	●	8	7	6.4	125	11	4	3.5						
Cemented carbide	E08L-SWUBR/L08-10AN	●	●	10	8	7	140	14	5	3.5	0.4	有	有	WB...0802	M2.5	T8
	E10N-SWUBR/L08-12AN	●	●	12	10	9	160	18	6	3.5						
	E10N-SWUBR/L08-12AN-2/3	●	105													
	E10N-SWUBR/L08-12AN-1/2	●	80													
	E12Q-SWUPR/L11-14A	●	●	14	12	11	180	23	7	3.5	0.4	有	有	WP...1102	M2.5	T8
	E12Q-SWUPR/L11-14A-2/3	●	120													
	E12Q-SWUPR/L11-14A-1/2	●	90													
	E16X-SWUPR/L11-18A	●	●	18	16	15	220	28	9	3.5	0.8			WP...1603	M4.0	T15
	E16X-SWUPR/L11-18A-2/3	●	145													
	E16X-SWUPR/L11-18A-1/2	●	110													
	E16X-SWUPR/L16-18A	●	●	22	20	19	220	32	11	3.5	0.8			WP...1603	M4.0	T15
	E16X-SWUPR/L16-18A-2/3	●	145													
	E16X-SWUPR/L16-18A-1/2	●	110													
	E20S-SWUPR/L16-22A	●	●	22	20	19	250	32	11	3.5	0.8			WP...1603	M4.0	T15
	E20S-SWUPR/L16-22A-2/3	●	165													
E20S-SWUPR/L16-22A-1/2	●	125														