

KC QCMT SERIES

QCMT QUICK CHANGE MODULAR TURNING TOOLS

Modular Turning Tools
QCMT Quick Change



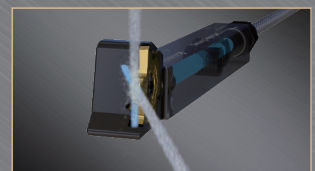
Splitted Structure Design



double connecting with V-shape slots and face



Precision Locating



Strong Inner Cooling System

Symbols of QCMT and KM Tools

	10: 10 shank						
KM: KM Series	12: 12 shank				F: 80		JCT: inner cooling
QCMT: QCMT Series	16: 16 shank				H: 100		Without Inner Cooling
Series	Tool Size	—	Tool Height	Tool Width	Tool Length	—	With Inner Cooling
QCMT	12	—	12	12	F	—	JCT

Symbols of ISO Standard Cutting Heads

					B: 5°							
KM: KM Series	10: 10 shank				N: 62.5°	C: 7°	R: Right Handed Holders					
	12: 12 shank	D: 55°Rhombic			V: 72.5°	P: 11°	L: Left Handed Holders		JCT: inner cooling			
QCMT: QCMT Series	16: 16 shank	V: 35°Rhombic			J: 93°	X: Others	N: Versatile Holders		Without Inner Cooling			
Series	Head Size	—	screw clamping	Insert Shape	Entering Angle	Clearance Angle	Insert Direction	Edge Length	—	With Inner Cooling	—	Others
QCMT	12	—	S	V	J	C	R	11	—	JCT	—	P

Symbols of ISO-Y axis Cutting Heads

										B: 5°					
KM: KM Series	10: 10 shank							N: 62.5°	C: 7°	R: Right Handed Holders					
	12: 12 shank						D: 55°Rhombic	V: 72.5°	P: 11°	L: Left Handed Holders		JCT: inner cooling			
QCMT: QCMT Series	16: 16 shank						V: 35°Rhombic	J: 93°	X: Others	N: Versatile Holders		Without Inner Cooling			
Series	Head Size	—	Y axis	—	Screw Clamping	Insert Shape	Entering Angle	Clearance Angle	Insert Direction	Edge Length	—	With Inner Cooling	—	Others	
QCMT	12	—	Y	—	S	V	J	C	R	11	—	JCT	—	P	

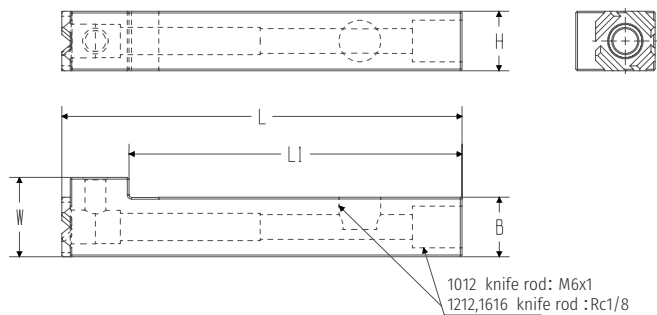
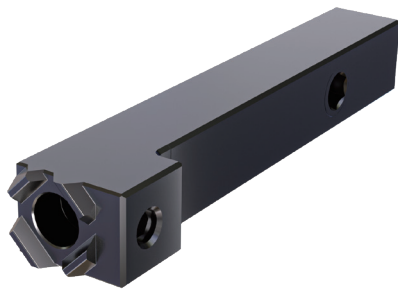
Symbols of KX618 Cutting Heads

	10: 10 shank								
KM: KM Series	12: 12 shank					JCT: inner cooling			
QCMT: QCMT Series	16: 16 shank				R: right handed holders	Without Inner Cooling			
Series	Head Size	—	Kx618 Insert	Cutting Heads Direction	—	With Inner Cooling	—	Others	
QCMT	12	—	KX618	R	—	JCT	—	P	

Symbols of KS12 Cutting Heads

	10: 10 shank							
KM: KM Series	12: 12 shank				R: right handed holders	JCT: inner cooling		
QCMT: QCMT Series	16: 16 shank				L: left handed holders	Without Inner Cooling		
Series	Head Size	—	KST12 Insert	Cutting Heads Direction	—	With Inner Cooling	—	Others
QCMT	12	—	KSI12	R	—	JCT	—	P

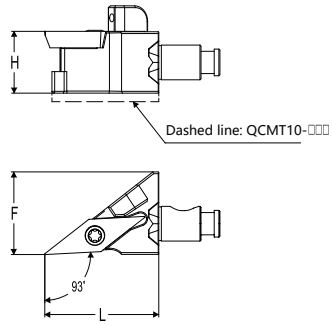
Turning-Inner Cooling Modular Tools



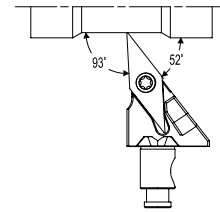
Modular Turning Tools
QCMT Quick Change

Type	Size					Accessories		With Inner Cooling
	H	B	W	L	L1	Screw	Wrench	
QCMT10-1012F-JCT	10	12	16	80	67	KS-5007-TS-IP	KW-IP10	
QCMT12-1212F-JCT	12	12	16	80	67	KS-5007-TS-IP	KW-IP10	
QCMT12-1212H-JCT	12	12	16	100	87	KS-5007-TS-IP	KW-IP10	
QCMT16-1616F-JCT	16	16	19	80	67	KS-6009-HS-P0.75	KW-LH3	
QCMT16-1616H-JCT	16	16	19	100	87	KS-6009-HS-P0.75	KW-LH3	
QCMT10-1012F	10	12	16	80	67	KS-5007-TS-IP	KW-IP10	
QCMT12-1212F	12	12	16	80	67	KS-5007-TS-IP	KW-IP10	
QCMT12-1212H	12	12	16	100	87	KS-5007-TS-IP	KW-IP10	
QCMT16-1616F	16	16	19	80	67	KS-6009-HS-P0.75	KW-LH3	
QCMT16-1616H	16	16	19	100	87	KS-6009-HS-P0.75	KW-LH3	

V-shape Cutting Heads

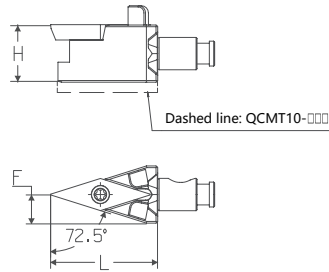


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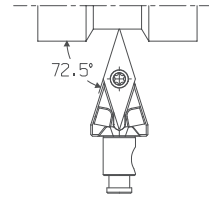


Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-SVJB [®] /L 11-JCT-P	22	10	16	KS-2503-T	KW-T8	VB□□1103□□	
QCMT12-SVJB [®] /L 11-JCT-P	22	12	16	KS-2503-T	KW-T8	VB□□1103□□	
QCMT16-SVJB [®] /L 11-JCT-P	23	16	19	KS-2503-T	KW-T8	VB□□1103□□	
QCMT10-SVJC [®] /L 11-JCT-P	22	10	16	KS-2503-T	KW-T8	VC□□1103□□	
QCMT12-SVJC [®] /L 11-JCT-P	22	12	16	KS-2503-T	KW-T8	VC□□1103□□	
QCMT16-SVJC [®] /L 11-JCT-P	23	16	19	KS-2503-T	KW-T8	VC□□1103□□	
QCMT10-SVJP [®] /L 11-JCT-P	22	10	16	KS-2503-T	KW-T8	VP□□1103□□	
QCMT12-SVJP [®] /L 11-JCT-P	22	12	16	KS-2503-T	KW-T8	VP□□1103□□	
QCMT16-SVJP [®] /L 11-JCT-P	23	16	19	KS-2503-T	KW-T8	VP□□1103□□	
QCMT10-SVJB [®] /L -11	22	10	16	KS-2503-T	KW-T8	VB□□1103□□	
QCMT12-SVJB [®] /L -11	22	12	16	KS-2503-T	KW-T8	VB□□1103□□	
QCMT16-SVJB [®] /L -11	23	16	19	KS-2503-T	KW-T8	VB□□1103□□	
QCMT10-SVJC [®] /L -11	22	10	16	KS-2503-T	KW-T8	VC□□1103□□	
QCMT12-SVJC [®] /L -11	22	12	16	KS-2503-T	KW-T8	VC□□1103□□	
QCMT16-SVJC [®] /L -11	23	16	19	KS-2503-T	KW-T8	VC□□1103□□	
QCMT10-SVJP [®] /L -11	22	10	16	KS-2503-T	KW-T8	VP□□1103□□	
QCMT12-SVJP [®] /L -11	22	12	16	KS-2503-T	KW-T8	VP□□1103□□	
QCMT16-SVJP [®] /L -11	23	16	19	KS-2503-T	KW-T8	VP□□1103□□	

V-shape Cutting Heads



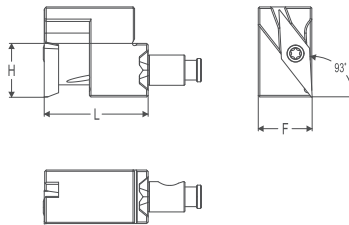
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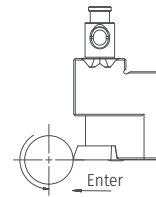
Modular Turning Tools
QCMT Quick Change

Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-SVVB11-JCT-P	22	10	5	KS-2503-T	KW-T8	VB□□1103□□	
QCMT12-SVVB11-JCT-P	22	12	6	KS-2503-T	KW-T8	VB□□1103□□	
QCMT16-SVVB11-JCP-P	23	16	8	KS-2503-T	KW-T8	VB□□1103□□	
QCMT10-SVVC11-JCT-P	22	10	5	KS-2503-T	KW-T8	VC□□1103□□	
QCMT12-SVVC11-JCT-P	22	12	6	KS-2503-T	KW-T8	VC□□1103□□	
QCMT16-SVVC11-JCP-P	23	16	8	KS-2503-T	KW-T8	VC□□1103□□	
QCMT10-SVVB11-11	22	10	5	KS-2503-T	KW-T8	VB□□1103□□	
QCMT12-SVVB11-11	22	12	6	KS-2503-T	KW-T8	VB□□1103□□	
QCMT16-SVVB11-11	23	16	8	KS-2503-T	KW-T8	VB□□1103□□	
QCMT10-SVVC11-11	22	10	5	KS-2503-T	KW-T8	VC□□1103□□	
QCMT12-SVVC11-11	22	12	6	KS-2503-T	KW-T8	VC□□1103□□	
QCMT16-SVVC11-11	23	16	8	KS-2503-T	KW-T8	VC□□1103□□	

V-shape Y-axis Cutting Heads

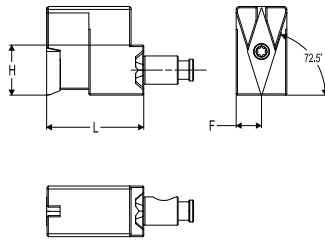


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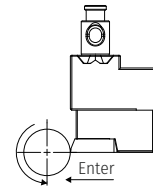


Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-Y-SVJCR11-JCT-P	23	10	16	KS-2503-T	KW-T8	VC□□1103□□	
QCMT12-Y-SVJCR11-JCT-P	23	12	16	KS-2503-T	KW-T8	VC□□1103□□	
QCMT16-Y-SVJCR11-JCT-P	23	16	19	KS-2503-T	KW-T8	VC□□1103□□	
QCMT10-Y-SVJCR11-11	23	10	16	KS-2503-T	KW-T8	VC□□1103□□	
QCMT12-Y-SVJCR11-11	23	12	16	KS-2503-T	KW-T8	VC□□1103□□	
QCMT16-Y-SVJCR11-11	23	16	19	KS-2503-T	KW-T8	VC□□1103□□	

V-shape Y-axis Cutting Heads

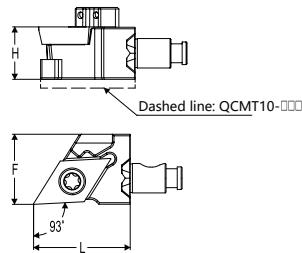
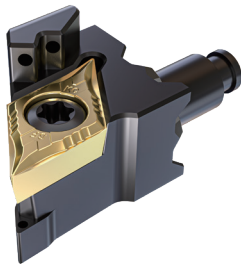


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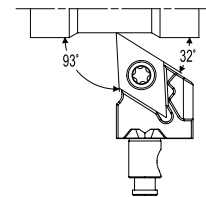


Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-Y-SVVCN11-JCT-P	23	10	5	KS-2503-T	KW-T8	VC□□1103□□	
QCMT12-Y-SVVCN11-JCT-P	23	12	6	KS-2503-T	KW-T8	VC□□1103□□	
QCMT16-Y-SVVCN11-JCT-P	23	16	8	KS-2503-T	KW-T8	VC□□1103□□	
QCMT10-Y-SVVCN-11	23	10	5	KS-2503-T	KW-T8	VC□□1103□□	
QCMT12-Y-SVVCN-11	23	12	6	KS-2503-T	KW-T8	VC□□1103□□	
QCMT16-Y-SVVCN-11	23	16	8	KS-2503-T	KW-T8	VC□□1103□□	

D-shape Cutting Heads

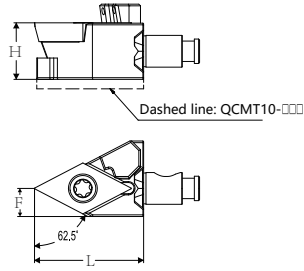
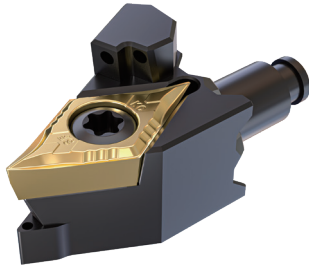


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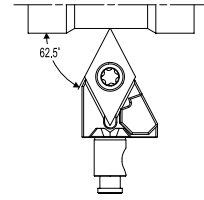


Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-SDJC [®] /L 11-JCT-P	22	10	16	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT12-SDJC [®] /L 11-JCT-P	22	12	16	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT16-SDJC [®] /L 11-JCT-P	23	16	19	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT10-SDJC [®] /L -11	22	10	16	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT12-SDJC [®] /L -11	22	12	16	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT16-SDJC [®] /L -11	23	16	19	KS-4008-T	KW-T15	DC□□11T3□□	

D-shape Cutting Heads



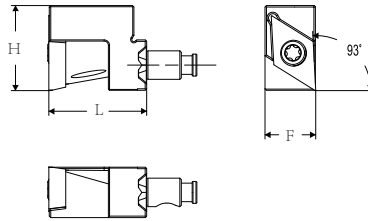
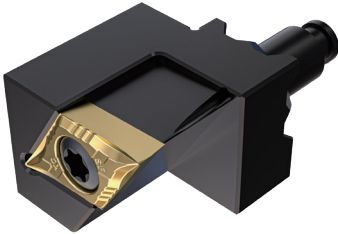
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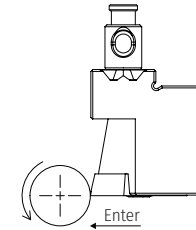
Modular Turning Tools
QCMT Quick Change

Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-SDNCN11-JCT-P	22	10	5	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT12-SDNCN11-JCT-P	22	12	6	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT16-SDNCN11-JCT-P	23	16	8	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT10-SDNCN-11	22	10	5	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT12-SDNCN-11	22	12	6	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT16-SDNCN-11	23	16	8	KS-4008-T	KW-T15	DC□□11T3□□	

D-shape Y-axis Cutting Heads

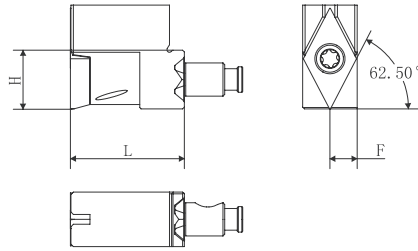
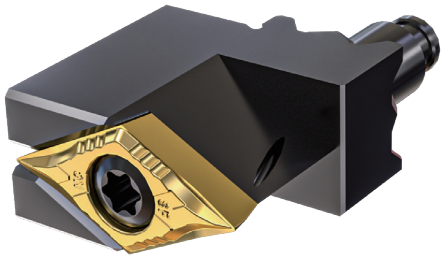


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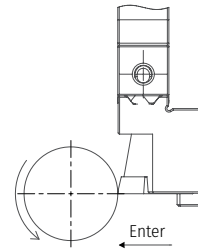


Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-Y-SDJCR07-JCT-P	23	10	16	KS-2503-T	KW-T8	DC□□0702□□	
QCMT10-Y-SDJCR11-JCT-P	23	10	16	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT12-Y-SDJCR07-JCT-P	23	12	16	KS-2503-T	KW-T8	DC□□0702□□	
QCMT12-Y-SDJCR11-JCT-P	23	12	16	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT16-Y-SDJCR11-JCT-P	23	16	19	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT10-Y-SDJCR-07	23	10	16	KS-2503-T	KW-T8	DC□□0702□□	
QCMT10-Y-SDJCR-11	23	10	16	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT12-Y-SDJCR-07	23	12	16	KS-2503-T	KW-T8	DC□□0702□□	
QCMT12-Y-SDJCR-11	23	12	16	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT16-Y-SDJCR-11	23	16	19	KS-4008-T	KW-T15	DC□□11T3□□	

D shape Y-axis Centered Tool Series

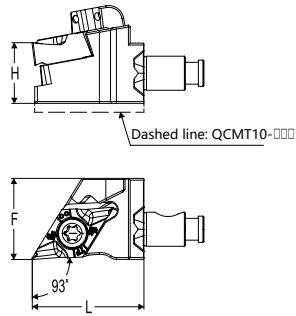


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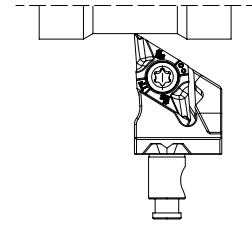


Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrench		
QCMT10-Y-SDNCN07-JCT-P	23	10	5	KS-2503-T	KW-T8	DC□□0702□□	
QCMT10-Y-SDNCN11-JCT-P	23	10	5	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT12-Y-SDNCN07-JCT-P	23	12	6	KS-2503-T	KW-T8	DC□□0702□□	
QCMT12-Y-SDNCN11-JCT-P	23	12	6	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT16-Y-SDNCN11-JCT-P	23	16	8	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT10-Y-SDNCN-07	23	10	5	KS-2503-T	KW-T8	DC□□0702□□	
QCMT10-Y-SDNCN-11	23	10	5	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT12-Y-SDNCN-07	23	12	6	KS-2503-T	KW-T8	DC□□0702□□	
QCMT12-Y-SDNCN-11	23	12	6	KS-4008-T	KW-T15	DC□□11T3□□	
QCMT16-Y-SDNCN-11	23	16	8	KS-4008-T	KW-T15	DC□□11T3□□	

KDC Cutting Heads



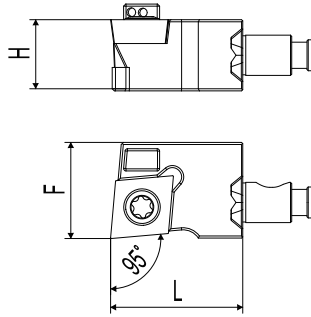
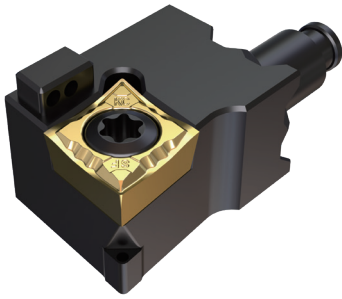
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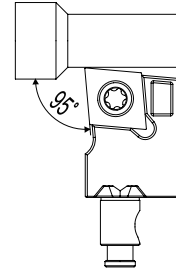
Modular Turning Tools
QCMT Quick Change

Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-SDJXR07-JCT-P	22	10	16	KS-2504-T	KW-T8	DXGU 0703□□ R-TF	
QCMT12-SDJXR07-JCT-P	22	12	16	KS-2504-T	KW-T8	DXGU 0703□□ R-TF	
QCMT16-SDJXR07-JCT-P	23	16	19	KS-2504-T	KW-T8	DXGU 0703□□ R-TF	
QCMT10-SDJXR11-JCT-P	22	10	16	KS-4008-T	KW-T15	DXGU 1104□□ R-TF(TFX)	
QCMT12-SDJXR11-JCT-P	22	12	16	KS-4008-T	KW-T15	DXGU 1104□□ R-TF(TFX)	
QCMT16-SDJXR11-JCT-P	23	16	19	KS-4008-T	KW-T15	DXGU 1104□□ R-TF(TFX)	
QCMT10-SDJXR-07	22	10	16	KS-2504-T	KW-T8	DXGU 0703□□ R-TF	
QCMT12-SDJXR-07	22	12	16	KS-2504-T	KW-T8	DXGU 0703□□ R-TF	
QCMT16-SDJXR-07	23	16	19	KS-2504-T	KW-T8	DXGU 0703□□ R-TF	
QCMT10-SDJXR-11	22	10	16	KS-4008-T	KW-T15	DXGU 1104□□ R-TF(TFX)	
QCMT12-SDJXR-11	22	12	16	KS-4008-T	KW-T15	DXGU 1104□□ R-TF(TFX)	
QCMT16-SDJXR-11	23	16	19	KS-4008-T	KW-T15	DXGU 1104□□ R-TF(TFX)	

C-shape Cutting Heads

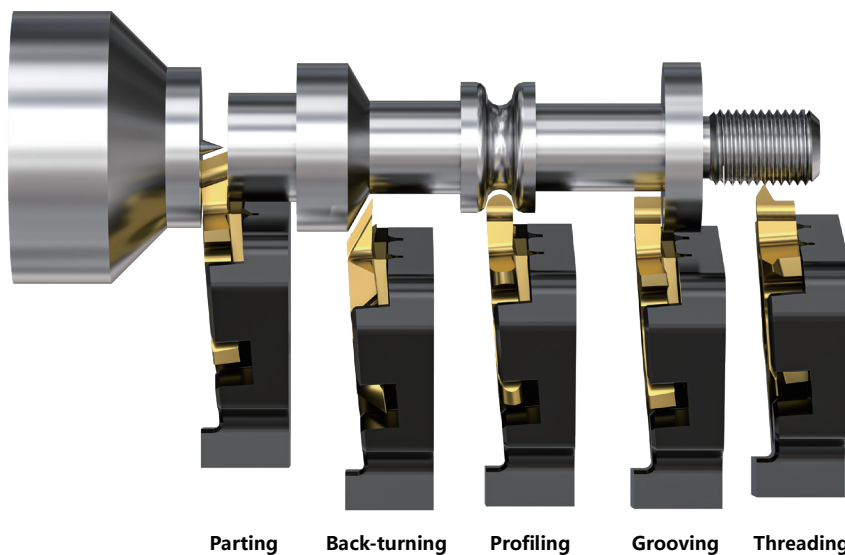


Processing Application



Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-SCLC [®] /L 09-JCT-P	22	10	16	KS-4008-T	KW-T15	CC□□09T3□□	
QCMT12-SCLC [®] /L 09-JCT-P	22	12	16	KS-4008-T	KW-T15	CC□□09T3□□	
QCMT16-SCLC [®] /L 09-JCT-P	23	16	19	KS-4008-T	KW-T15	CC□□09T3□□	
QCMT10-SCLC [®] /L -09	22	10	16	KS-4008-T	KW-T15	CC□□09T3□□	
QCMT12-SCLC [®] /L -09	22	12	16	KS-4008-T	KW-T15	CC□□09T3□□	
QCMT16-SCLC [®] /L -09	23	16	19	KS-4008-T	KW-T15	CC□□09T3□□	

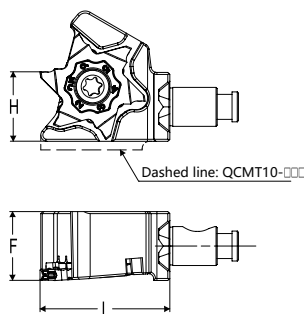
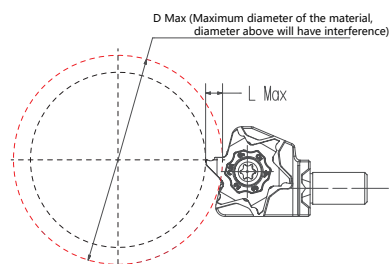
Processing Application of KX618



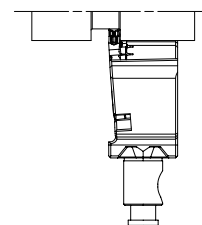
● Notice

1. Maximum Diameter of parting is 7mm
2. Maximum Diameter of parting is 3.5MM, Groove depth varies according to the diameter of the material, please refer to the figure below

Dmax	32	42	51	65	100
Lmax	3.5	3.3	3.2	3.0	2.5

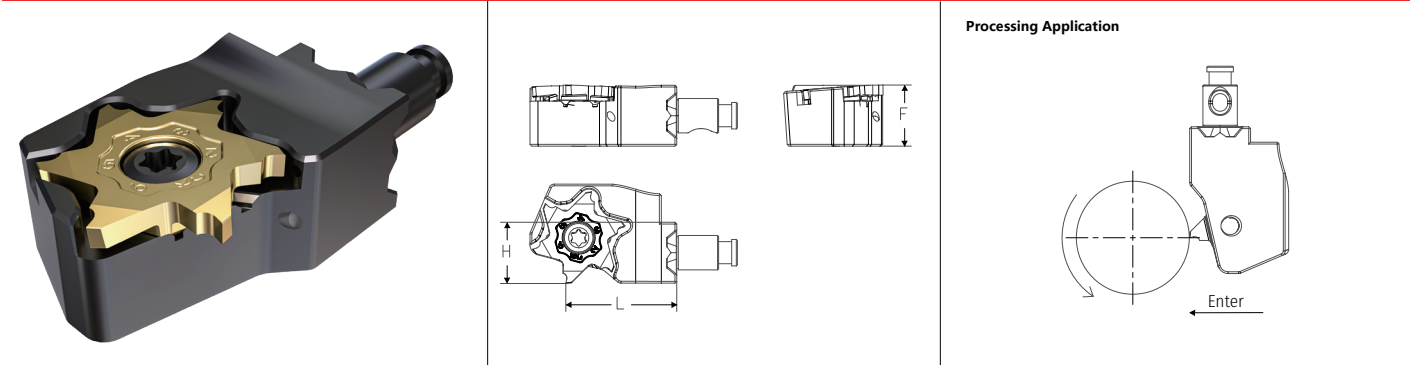


Processing Application



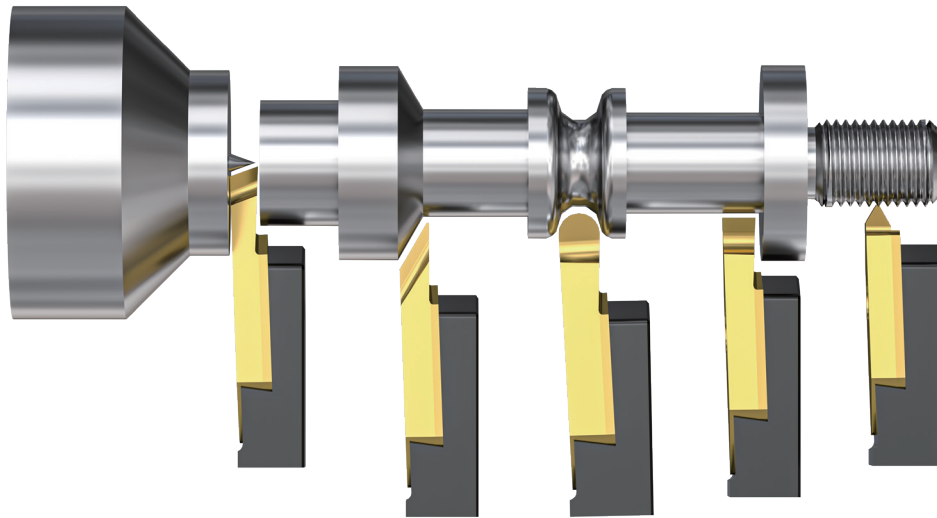
Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-KX618R-JCT-P	22	10	16	KS-4008-T	KW-T15	KX618□R□□	
QCMT12-KX618R-JCT-P	22	12	16	KS-4008-T	KW-T15	KX618□R□□	
QCMT16-KX618R-JCT-P	23	16	19	KS-4008-T	KW-T15	KX618□R□□	
QCMT10-KX618R	22	10	16	KS-4008-T	KW-T15	KX618□R□□	
QCMT12-KX618R	22	12	16	KS-4008-T	KW-T15	KX618□R□□	
QCMT16-KX618R	23	16	19	KS-4008-T	KW-T15	KX618□R□□	

KX618-Y axis Cutting Heads



Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT12-Y-KX618R-JCT-P	19.5	12	16	KS-4008-T	KW-T15	KX618□R□□	
QCMT12-Y-KX618R	19.5	12	16	KS-4008-T	KW-T15	KX618□R□□	

Processing Application of 12 Series



Parting

Back-turning

Profiling

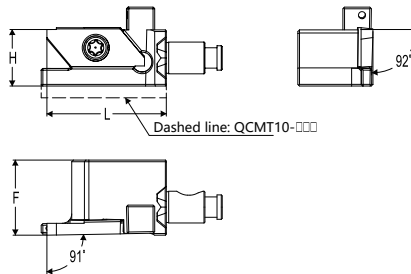
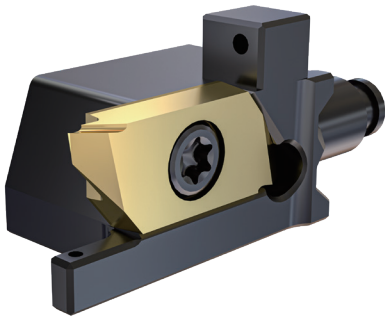
Grooving

Threading

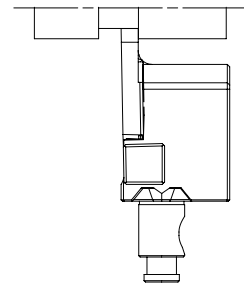
Maximum Diameter of parting is 12mm

Modular Turning Tools
QCMT Quick Change

KS12 Cutting Heads

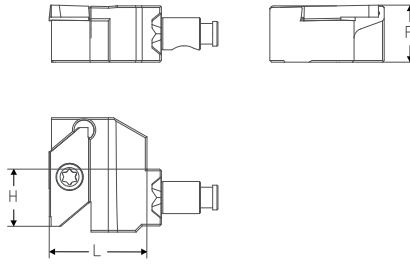
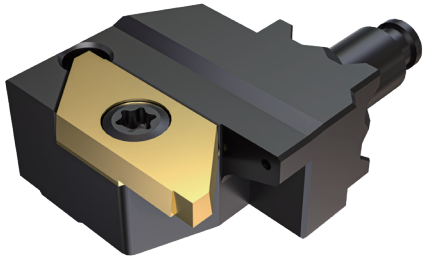


Processing Application

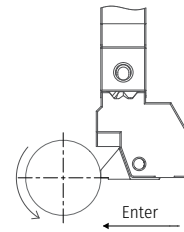


Type	Size			Accessories		Corresponding Insert	With Inner Cooling
	L	H	F	Screw	Wrenth		
QCMT10-KS12%/-JCT-P	25	10	16	KS-35065-T	KW-T15	KS1□12%□□	
QCMT12-KS12%/-JCT-P	25	12	16	KS-35065-T	KW-T15	KS1□12%□□	
QCMT16-KS12%/-JCT-P	25	16	19	KS-35065-T	KW-T15	KS1□12%□□	
QCMT10-KS12%/-	25	10	16	KS-35065-T	KW-T15	KS1□12%□□	
QCMT12-KS12%/-	25	12	16	KS-35065-T	KW-T15	KS1□12%□□	
QCMT16-KS12%/-	25	16	19	KS-35065-T	KW-T15	KS1□12%□□	

KSI12 Y-axis Cutting Heads



Processing Application



Type	Size			Accessories		Corresponding Insert	with Inner Cooling
	L	H	F	Screw	Wrench		
QCMT12-Y-KSI12 $\frac{1}{2}$ -JCT-P	20	12	16	KS-35065-T	KW-T15	KSI □ 12 $\frac{1}{2}$ □ □	
QCMT12-Y-KSI12 $\frac{1}{2}$	20	12	16	KS-35065-T	KW-T15	KSI □ 12 $\frac{1}{2}$ □ □	