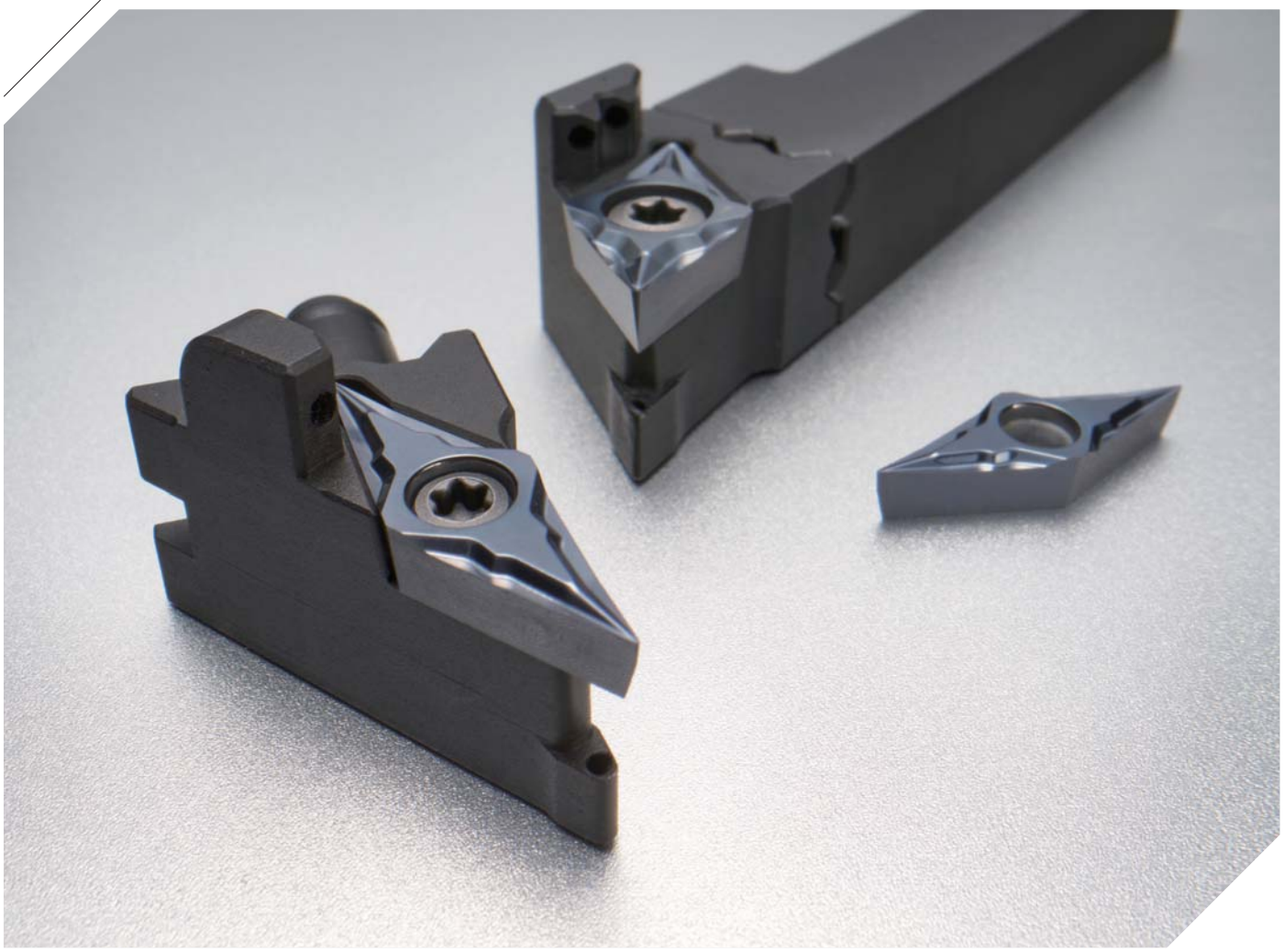
KORLOY
TECH-NEWS

AMH series

APM(premium), AGM(general)

Automatic Lathe Tool Cartridge-Type Cam Driven Module Holder

- Excellent and high-rigidity tool shank to enable stable high-speed machining
- Designed to reduce setup time with improved system for easy tool replacement and high precision



Since 1966 | KORLOY

KORLOY TECH-NEWS

Automatic Lathe Tool Cartridge-Type Cam Driven Module Holder

AMH series

Korloy launched the APM·AGM series, a modular quick-change head system for automatic lathes.

Automatic lathes, with sliding headstock and guide bushing, are key platforms for mass-producing small, complex parts. Their use is rapidly expanding across medical, automotive, aerospace, and electronics industries. In these environments, fast tool change and high repeatability are critical for productivity and process stability.

The APM · AGM series features a modular design that utilizes multiple head types on a single shank. This reduces setup time and ensures consistent accuracy with high repeatability. It delivers both flexibility and productivity, even in high-mix, high-volume production.

An internal coolant system improves heat control and chip evacuation, maintaining stable cutting during long operations. A rigid clamping system reduces vibration and improves surface finish and dimensional consistency.

The APM·AGM series is a modular solution that enhances precision, efficiency, and flexibility, boosting productivity in automatic lathe applications.

Excellent repeatability of head exchange precision

- Ensuring consistent dimensional accuracy by replacing only head while maintaining the same shank position.

Supports various heads on a single shank

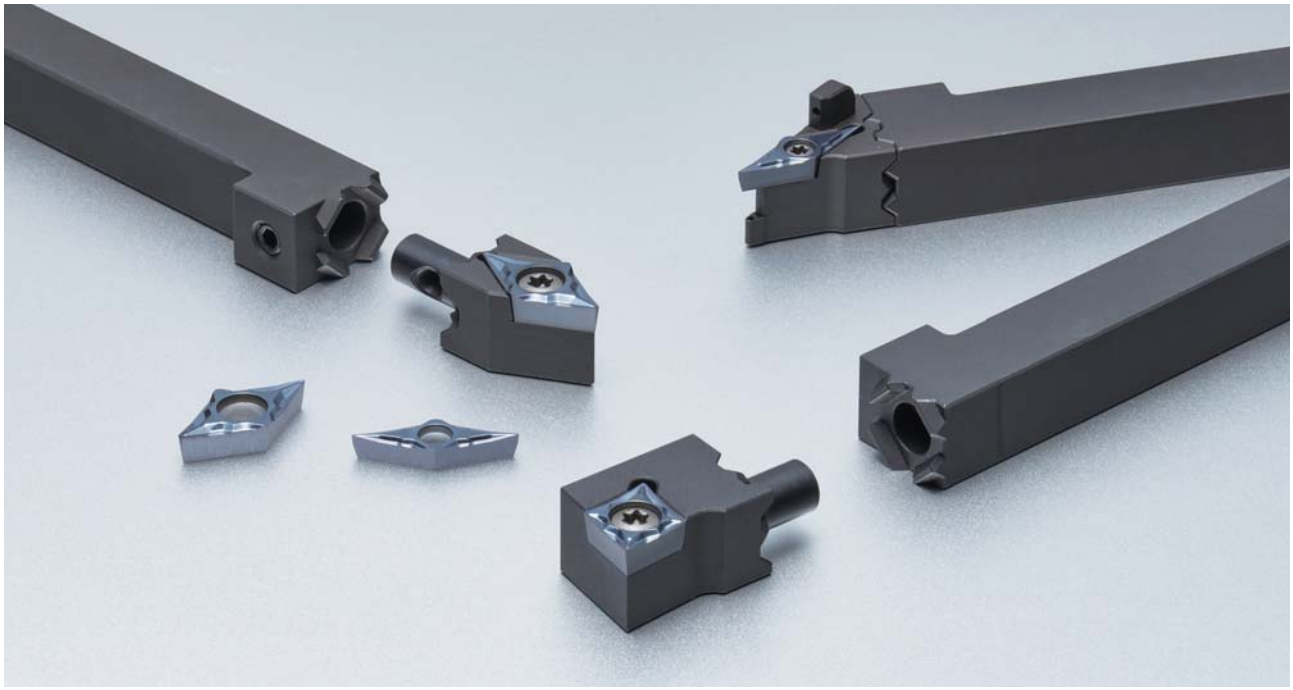
- Maximizing flexibility in setup process and optimizes inventory efficiency.

Powerful quick-change clamping system

- Suppressing vibration during machining with a robust clamping structure.

Internal coolant supply design

- Effectively managing cutting heat and chip evacuation.



Code system

» Head

APM	12	-	SVJCR11	-	(KHP)
Auto tools Premium Modular	Head size 10 12 16		Head type SCLCR09 SDJCR11		KORLOY High Pressure Coolant

AGM	12	-	SVJCR11
Auto tools General Modular	Head size 10 12 16		Head type SCLCR09 SDJCR11

» Shank

APM	12	-	12	12	F	-	(KHP)
Auto tools Premium Modular	Head size 10 12 16		Shank height 10 12 16	Shank width 10 12 16	Shank length F: 80 H: 100		KORLOY High Pressure Coolant

AGM	12	-	12	12	F
Auto tools General Modular	Head size 10 12 16		Shank height 10 12 16	Shank width 10 12 16	Shank length F: 80 H: 100

Features

» APM - Premium

The premium head-exchange holder features a powerful clamping structure that suppresses vibration during machining and achieves excellent dimensional accuracy.

Supports various heads on a single shank



- Maximize flexibility in setup process and optimize inventory efficiency

Excellent repeatability of head exchange precision



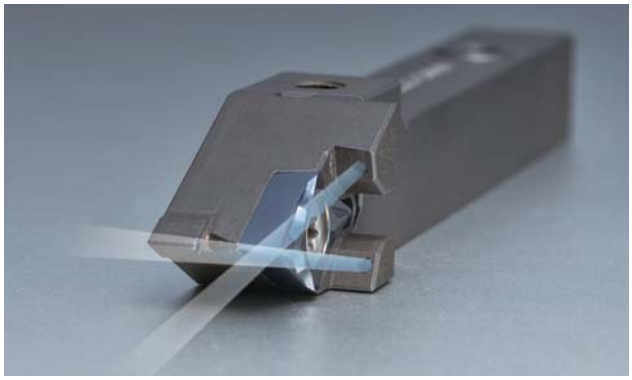
- Ensures consistent dimensional accuracy by replacing only head while maintaining the same shank.

Powerful quick-change clamping system



- Suppresses vibration during machining with a robust clamping structure.

Internal coolant supply design

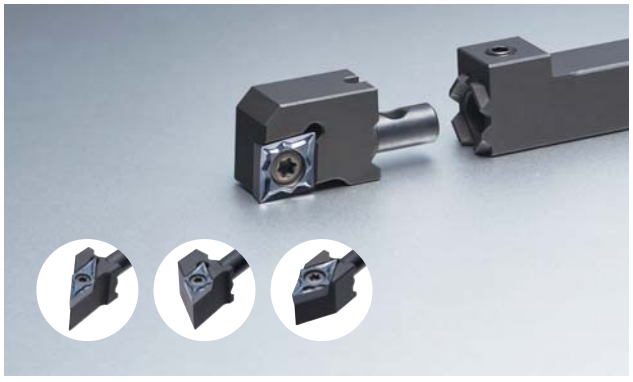


- Effective management of cutting heat and chip evacuation

» AGM - General

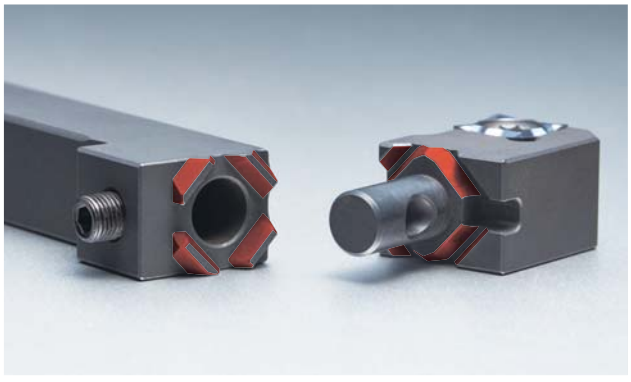
Economical head-exchange holder that offers stable performance grounded in a concise, straightforward structure.

One shank supports multiple ISO-type heads



- Maximize flexibility in process changeover and optimize inventory efficiency

Simple quick-change clamping system

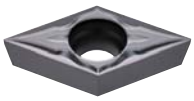
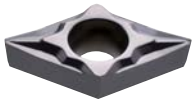
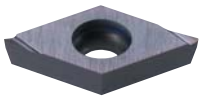


- A simple structure provides quick and easy connection.

Holder line-up

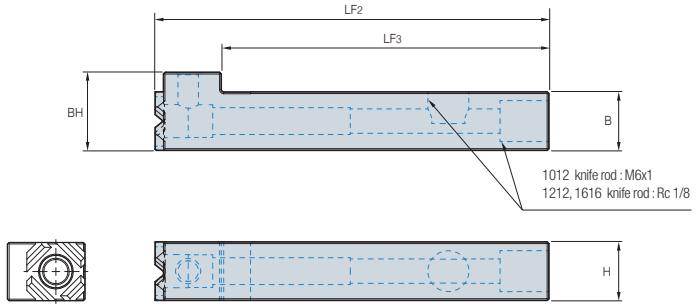
Category	Coolant	Type	Item	Line-up	Picture	Page
APM (Premium)	Coolant	ISO Type	Shank	APM-KHP		7
			Head	APM-SVJ□R/L-09-KHP		7
				APM-SVV□N-11-KHP		8
				APM-SCLCR/L-09-KHP		8
				APM-SDJCR/L-11-KHP		9
				APM-SDNCN-11-KHP		9
	Non Coolant		Shank	APM		10
			Head	APM-SVJ□R/L-09		10
				APM-SVV□N-11		11
				APM-SCLCR/L-09		11
				APM-SDJCR/L-11		12
				APM-SDNCN-11		12
AGM (General)	Non Coolant	ISO Type	Shank	AGM		13
			Head	AGM-SVJ□R/L-09		13
				AGM-SVV□N-11		14
				AGM-SCLCR/L-09		14
				AGM-SDJCR/L-11		15
				AGM-SDNCN-11		15

Applicable Inserts

Type	Picture	Applicable designation	Applicable head
ISO Type	 • VP1 Chip breaker • Medium cutting edge-strengthened type	**CCGT09T3□□(□□□)-VP1** **DCGT11T3□□(□□□)-VP1** **VCGT1103□□(□□□)-VP1** **VPGT1103□□(□□□)-VP1**	**APM□□-(KHP)** **AGM□□**
	 • MS Chip breaker • Medium cutting chamfered type	**CCGT09T3□□(□□□)-MS** **DCGT11T3□□(□□□)-MS** **VCGT1103□□(□□□)-MS**	
	 • FS Chip breaker • 1st Recommendation for finishing chip control	**CCGT09T3□□(□□□)-FS** **DCGT11T3□□(□□□)-FS** **VBGT1103□□(□□□)-FS** **VCGT1103□□(□□□)-FS**	
	 • KM Chip breaker • High depth of cut type	**CC□T09T3□□(□□□)R/L-KM** **DC□T11T3□□(□□□)R/L-KM** **VB□T1103□□(□□□)R/L-KM** **VC□T1103□□(□□□)R/L-KM** **VP□T1103□□(□□□)R/L-KM**	
	 • KF chip breaker • Chamfered type, Surface finish priority	**CC□T09T3□□(□□□)R/L-KF** **DC□T11T3□□(□□□)R/L-KF** **VB□T1103□□(□□□)R/L-KF** **VC□T1103□□(□□□)R/L-KF** **VP□T1103□□(□□□)R/L-KF**	

APM-KHP (Shank)



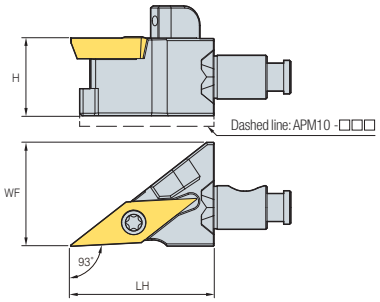


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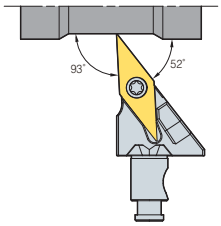
Designation		H	B	BH	LF_2	LF_3	Screw	Wrench
APM	**10-1012F-KHP**	10	12	16	80	67	KS-5007-TS-IP	KW-IP10
	12-1212F-KHP	12	12	16	80	67		
	12-1212H-KHP	12	12	16	100	87		
	16-1616F-KHP	16	16	18	80	67	KS-6009-HS-P0.75	KW-LH3
	16-1616H-KHP	16	16	18	100	87		

APM-SVJ□R/L-11-KHP (Head)





Processing Application

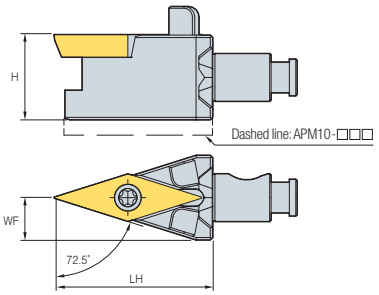


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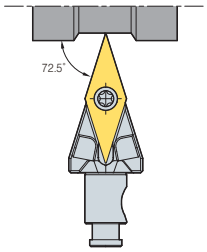
Designation		LH	H	WF	Screw	Wrench	Applicable insert
APM	**10-SVJBR/L-11-KHP**	22	10	16	KS-2503-T	KW-T8	VB□□1103□□
	12-SVJBR/L-11-KHP	22	12	16			
	16-SVJBR/L-11-KHP	23	16	16			
	10-SVJCR/L-11-KHP	22	10	16	KS-2503-T	KW-T8	VC□□1103□□
	12-SVJCR/L-11-KHP	22	12	16			
	16-SVJCR/L-11-KHP	23	16	16			
	10-SVJPR/L-11-KHP	22	10	16	KS-2503-T	KW-T8	VP□□1103□□
	12-SVJPR/L-11-KHP	22	12	16			
	16-SVJPR/L-11-KHP	23	16	16			

APM-SVV□N-11-KHP (Head)





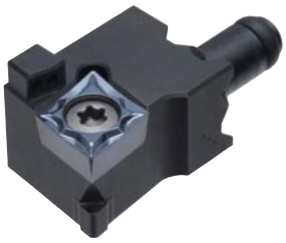
Processing Application

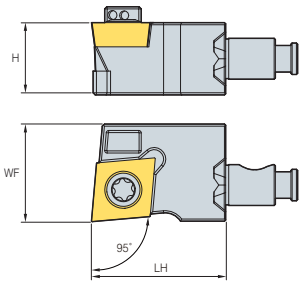


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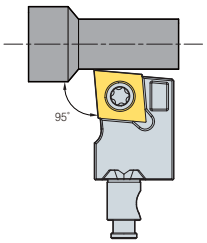
Designation		LH	H	WF	Screw	Wrench	Applicable insert
APM	10-SVVBN-11-KHP	22	10	5	KS-2503-T	KW-T8	VB□□1103□□
	12-SVVBN-11-KHP	22	12	6			
	16-SVVBN-11-KHP	23	16	8			
	10-SVVCN-11-KHP	22	10	5	KS-2503-T	KW-T8	VC□□1103□□
	12-SVVCN-11-KHP	22	12	6			
	16-SVVCN-11-KHP	23	16	8			

APM-SCLCR/L-09-KHP (Head)





Processing Application

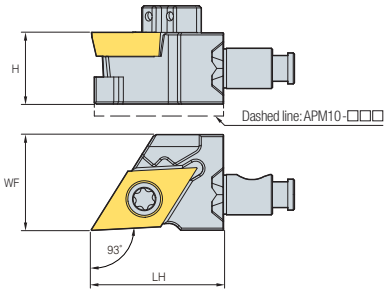


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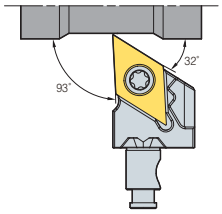
Designation		LH	H	WF	Screw	Wrench	Applicable insert
APM	10-SCLCR/L-09-KHP	22	10	16	KS-4008-T	KW-T15	CC□□09T3□□
	12-SCLCR/L-09-KHP	22	12	16			
	16-SCLCR/L-09-KHP	23	16	16			

APM-SDJCR/L-11-KHP (Head)





Processing Application

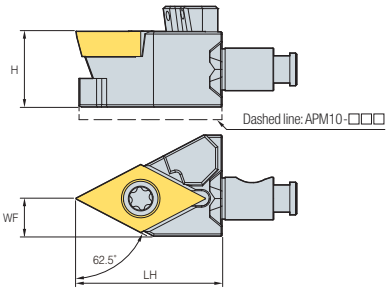


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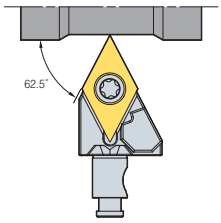
	Designation	LH	H	WF	Screw	Wrench	Applicable insert
APM	**10-SDJCR/L-11-KHP**	23	10	16	KS-4008-T	KW-T15	DC□□11T3□□
	12-SDJCR/L-11-KHP	23	12	16			
	16-SDJCR/L-11-KHP	23	16	16			

APM-SDNCN-11-KHP (Head)





Processing Application

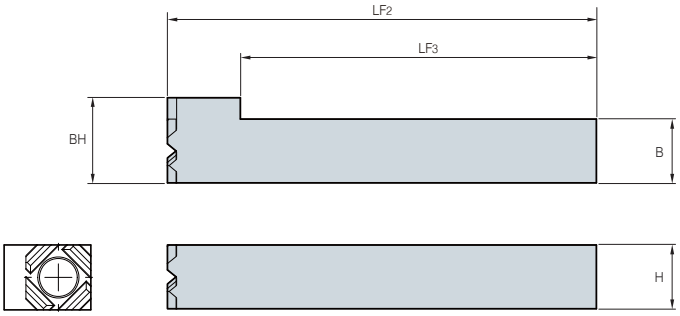


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	Designation	LH	H	WF	Screw	Wrench	Applicable insert
APM	**10-SDNCN-11-KHP**	22	10	5	KS-4008-T	KW-T15	DC□□11T3 □□
	12-SDNCN-11-KHP	22	12	6			
	16-SDNCN-11-KHP	23	16	8			

APM (Shank)



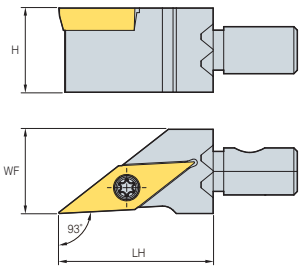


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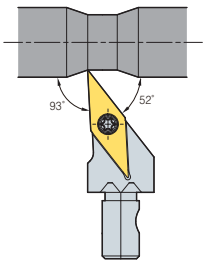
	Designation	H	B	BH	LF_2	LF_3	Screw	Wrench
APM	**10-1012F**	10	12	16	80	67	KS-5007-TS-IP	KW-IP10
	12-1212F	12	12	16	80	67		
	12-1212H	12	12	16	100	87		
	16-1616F	16	16	19	80	67	KS-6009-HS-P0.75	KW-LH3
	16-1616H	16	16	19	100	87		

APM-SVJ□R/L-11 (Head)





Processing Application

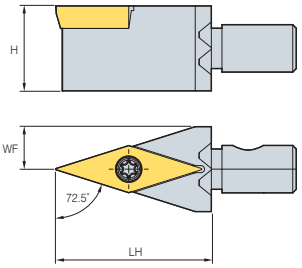


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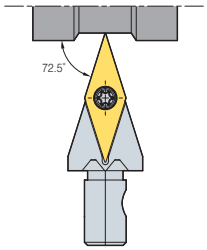
	Designation	LH	H	WF	Screw	Wrench	Applicable insert
APM	**10-SVJBR/L-11**	22	10	12	KS-2503-T	KW-T8	VB□□1103□□
	12-SVJBR/L-11	22	12	12			
	16-SVJBR/L-11	23	16	19			
	10-SVJCR/L-11	22	10	12	KS-2503-T	KW-T8	VC□□1103□□
	12-SVJCR/L-11	22	12	12			
	16-SVJCR/L-11	23	16	19			
	10-SVJPR/L-11	22	10	12	KS-2503-T	KW-T8	VP□□1103□□
	12-SVJPR/L-11	22	12	12			
	16-SVJPR/L-11	23	16	19			

APM-SVV□N-11 (Head)





Processing Application

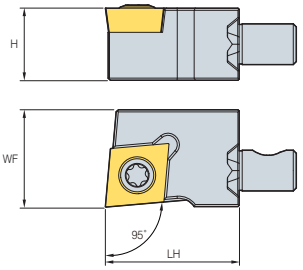


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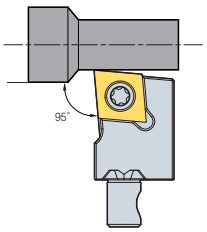
	Designation	LH	H	WF	Screw	Wrench	Applicable insert
APM	**10-SVVBN-11**	22	10	6	KS-2503-T	KW-T8	VB□□1103□□
	12-SVVBN-11	22	12	6			
	16-SVVBN-11	23	16	8			
	10-SVVCN-11	22	10	6	KS-2503-T	KW-T8	VC□□1103□□
	12-SVVCN-11	22	12	6			
	16-SVVCN-11	23	16	8			

APM-SCLCR/L-09 (Head)





Processing Application

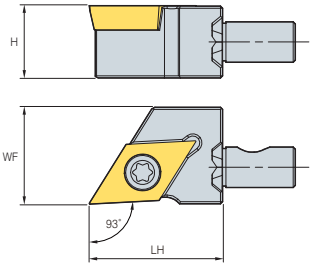


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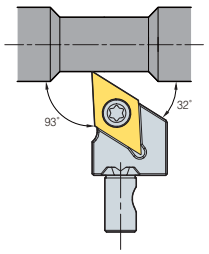
	Designation	LH	H	WF	Screw	Wrench	Applicable insert
APM	**10-SCLCR/L-09**	22	10	16	KS-4008-T	KW-T15	CC□□09T3□□
	12-SCLCR/L-09	22	12	16			
	16-SCLCR/L-09	23	16	19			

APM-SDJCR/L-11 (Head)





Processing Application

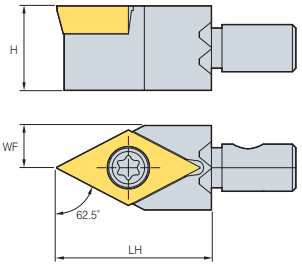


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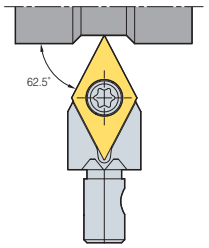
	Designation	LH	H	WF	Screw	Wrench	Applicable insert
APM	**10-SDJCR/L-11**	22	10	16	KS-4008-T	KW-T15	DC□□11T3□□
	12-SDJCR/L-11	22	12	16			
	16-SDJCR/L-11	23	16	19			

APM-SDNCN-11 (Head)





Processing Application

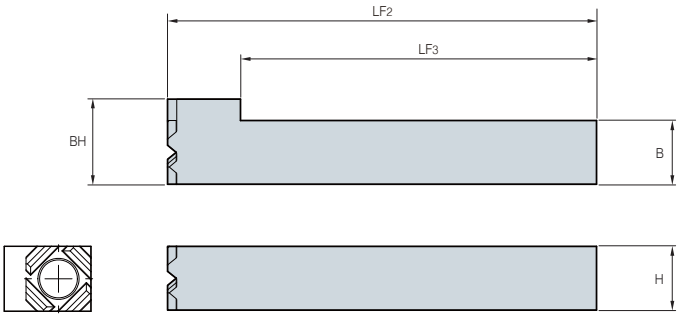


(mm)

	Designation	LH	H	WF	Screw	Wrench	Applicable insert
APM	**10-SDNCN-11**	10	22	6	KS-4008-T	KW-T15	DC□□11T3 □□
	12-SDNCN-11	12	22	6			
	16-SDNCN-11	16	23	8			

AGM (Shank)



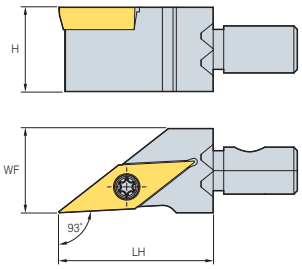


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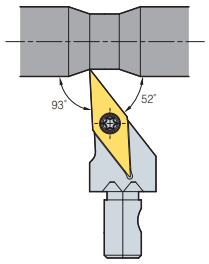
	Designation	H	B	BH	LF_2	LF_3	Screw	Wrench
AGM	**10-1012F**	10	12	16	80	67	KS-5007-TS-IP	KW-IP10
	12-1212F	12	12	16	80	67		
	12-1212H	12	12	16	100	87		
	16-1616F	16	16	19	80	67	KS-6009-HS-P0.75	KW-LH3
	16-1616H	16	16	19	100	87		

AGM-SVJ□R/L-11 (Head)





Processing Application

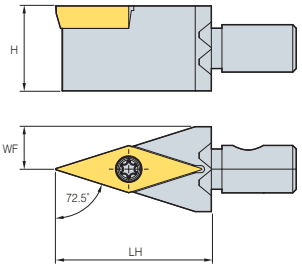


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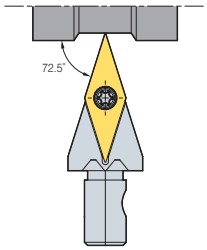
	Designation	LH	H	WF	Screw	Wrench	Applicable insert
AGM	**10-SVJBR/L-11**	22	10	12	KS-2503-T	KW-T8	VB□□1103□□
	12-SVJBR/L-11	22	12	12			
	16-SVJBR/L-11	23	16	19			
	16-SVJBL-11	23	16	19			
	10-SVJCR/L-11	22	10	12	KS-2503-T	KW-T8	VC□□1103□□
	12-SVJCR/L-11	22	12	12			
	16-SVJCR/L-11	23	16	19			
	10-SVJPR/L-11	22	10	12	KS-2503-T	KW-T8	VP□□1103□□
	12-SVJPR/L-11	22	12	12			
	16-SVJPR/L-11	23	16	19			

AGM-SVV□N-11 (Head)





Processing Application

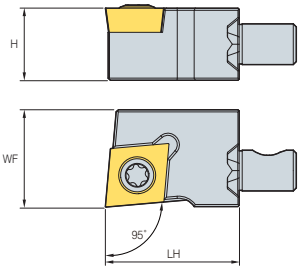


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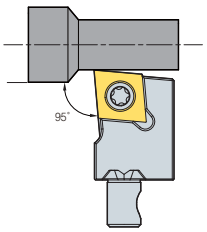
	Designation	LH	H	WF	Screw	Wrench	Applicable insert
AGM	10-SVVBN-11	22	10	6	KS-2503-T	KW-T8	VB□□1103□□
	12-SVVBN-11	22	12	6			
	16-SVVBN-11	23	16	8			
	10-SVVCN-11	22	10	6	KS-2503-T	KW-T8	VC□□1103□□
	12-SVVCN-11	22	12	6			
	16-SVVCN-11	23	16	8			

AGM-SCLCR/L-09 (Head)





Processing Application

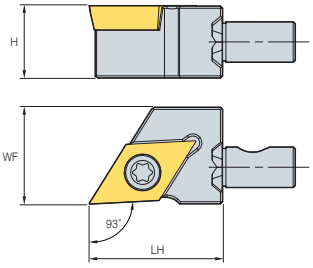


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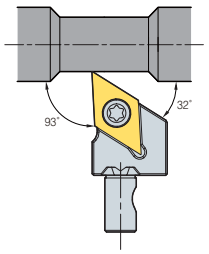
	Designation	LH	H	WF	Screw	Wrench	Applicable insert
AGM	10-SCLCR/L-09	22	10	16	KS-4008-T	KW-T15	CC□□09T3□□
	12-SCLCR/L-09	22	12	16			
	16-SCLCR/L-09	23	16	19			

AGM-SDJCR/L-11 (Head)





Processing Application

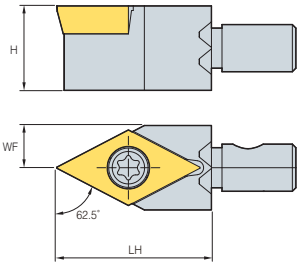


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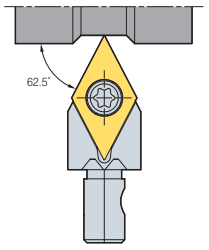
	Designation	LH	H	WF	Screw	Wrench	Applicable insert
AGM	**10-SDJCR/L-11**	22	10	16	KS-4008-T	KW-T15	DC□□11T3□□
	12-SDJCR/L-11	22	12	16			
	16-SDJCR/L-11	23	16	19			

AGM-SDNCN-11 (Head)





Processing Application

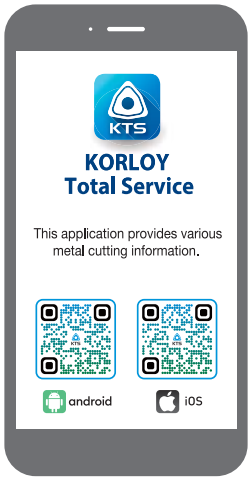


(mm)

	Designation	LH	H	WF	Screw	Wrench	Applicable insert
AGM	**10-SDNCN-11**	10	22	6	KS-4008-T	KW-T15	DC□□11T3 □□
	12-SDNCN-11	12	22	6			
	16-SDNCN-11	16	23	8			

⚠ For the safe metalcutting

- Use safety supplies such as protective gloves to prevent possible injury while touching the edge of tools.
- Use safety glasses or safety cover to hedge possible dangers. Inappropriate usage or excessive cutting condition may lead tool's breakage or even the fragment's scattering.
- Clamp the workpiece tightly enough to prevent its movement while its machining.
- Properly manage the tool change phase because the inordinately used tool can be easily broken under the excessive cutting load or severe wear, and it may threat the operator's safety.
- Use safety cover because chips evacuated during cutting are hot and sharp and may cause burns and cuts. To remove chips safely, stop machining, put on protective gloves, and use a hook or other tools.
- Prepare for fire prevention measures as the use of the non-water soluble cutting oil may cause fire.
- Use safety cover and other safety supplies because the spare parts or the tools can be pulled out due to centrifugal force while high speed machining.



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