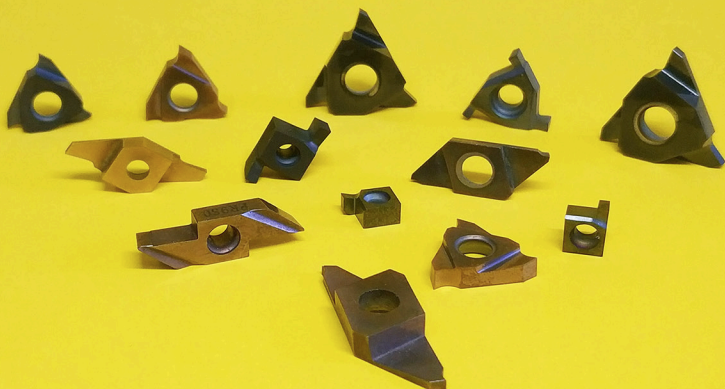


Grooving & Cut-off Inserts

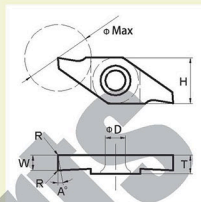
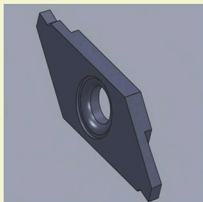
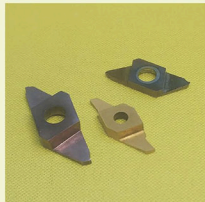


Special Cutting Tools Co., Ltd.



■ TKF Cut-off Inserts (small diameter ~ Ø1.653" / ~45 mm) TKF 型切断加工用刀片(小直径用)

■ Indication of Descriptions 型号表示方法



TKF	12	R	050-	S-	16D	R	(SL15)
Insert Name	Insert Size	Insert Hand	Width	Name of Chip-breaker	Lead Angle (°)	Lead Angle Hand	* Material Code
刀片名	刀片尺寸	刀片方向	刃宽	断屑槽型号	(Front Cutting Edge Angle)	导程角方向	材料编号
		R: Right-hand 右手刀		S: S-Chip-breaker S-断屑槽	导程角	R: Right-hand 右手刀	* (SL15)
		L: Left-hand 左手刀		T: T-Chip-breaker (Tough Edge) T-断屑槽 (刃口强化型)	(前切削刃角度)	L: Left-hand 左手刀	* (SL25)
				NB: No chip-breaker 无断屑槽			

* Note: Material Code 材料说明:

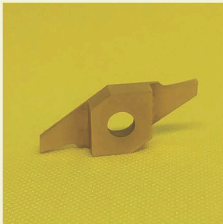
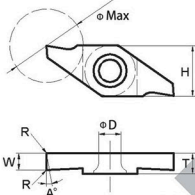
(SL15) – machining of free cutting steel 加工易切削钢.

(SL25) – machining of high strength alloy steel, high hardened steel and stainless steel 加工高强度合金钢、高硬度钢、不锈钢.



■ TKF Cut-off Inserts (small diameter ~ Ø1.653" / ~45 mm) TKF 型切斷加工用刀片(小直徑用)

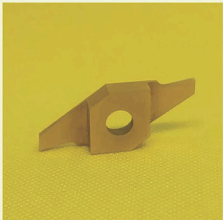
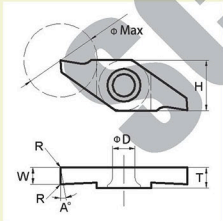
■ Part Number of TKF Inserts TKF 切斷加工刀片型号

Insert Shape 形状 (Right-hand Insert Shown 右手刀)	Part Number 型号	Dimensions (mm) 尺寸(mm)								Material 材料	
		W	Φ max	R	T	H	D	A			
	TKF12R050-S-16DR	0.5	5	0.03	3	8.7	5	16°	SL15	SL25	
	TKF12R070-S-16DR	0.7	8	0.03	3	8.7	5	16°	SL15	SL25	
	TKF12R100-S-16DR	1.0	12	0.03	3	8.7	5	16°	SL15	SL25	
	TKF12R125-S-16DR	1.25	12	0.03	3	8.7	5	16°	SL15	SL25	
	TKF12R150-S-16DR	2.5	12	0.03	3	8.7	5	16°	SL15	SL25	
	TKF12R200-S-16DR	1.5	12	0.03	3	8.7	5	16°	SL15	SL25	
	TKF12R050-S	0.5	5	0.03	3	8.7	5	0°	SL15	SL25	
	TKF12R070-S	0.7	8	0.03	3	8.7	5	0°	SL15	SL25	
	TKF12R100-S	1.0	12	0.03	3	8.7	5	0°	SL15	SL25	
	TKF12R125-S	1.25	12	0.03	3	8.7	5	0°	SL15	SL25	
	TKF12R150-S	1.5	12	0.03	3	8.7	5	0°	SL15	SL25	
	TKF12R200-S	2.5	12	0.03	3	8.7	5	0°	SL15	SL25	
	TKF12R100-S-16DR	1.0	12	0.08	3	8.7	5	16°	SL15	SL25	
	TKF12R150-S-16DR	1.5	12	0.08	3	8.7	5	16°	SL15	SL25	
	TKF12R200-S-16DR	2.0	12	0.08	3	8.7	5	16°	SL15	SL25	
	TKF12R100-T	1.0	12	0.08	3	8.7	5	0°	SL15	SL25	
	TKF12R150-T	1.5	12	0.08	3	8.7	5	0°	SL15	SL25	
	TKF12R200-T	2.0	12	0.08	3	8.7	5	0°	SL15	SL25	
	TKF12R050-NB-20DR	0.5	5	0	3	8.7	5	20°	SL15	SL25	
	TKF12R070-NB-20DR	0.7	8	0	3	8.7	5	20°	SL15	SL25	
	TKF12R100-NB-20DR	1.0	12	0	3	8.7	5	20°	SL15	SL25	
	TKF12R150-NB-20DR	1.5	12	0	3	8.7	5	20°	SL15	SL25	
	TKF12R200-NB-20DR	2.0	12	0	3	8.7	5	20°	SL15	SL25	
	TKF12R050-NB	0.5	5	0	3	8.7	5	0°	SL15	SL25	
TKF12R070-NB	0.7	8	0	3	8.7	5	0°	SL15	SL25		
	TKF12R100-NB	1.0	12	0	3	8.7	5	0°	SL15	SL25	
	TKF12R150-NB	1.5	12	0	3	8.7	5	0°	SL15	SL25	
	TKF12R200-NB	2.0	12	0	3	8.7	5	0°	SL15	SL25	
	TKF12R200-NB	2.0	12	0	3	8.7	5	0°	SL15	SL25	



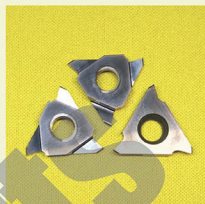
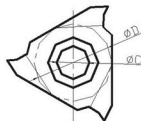
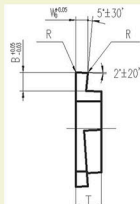
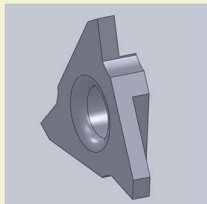
TKF Cut-off Inserts (small diameter ~ Ø1.653" / ~45 mm) TKF 型切斷加工用刀片(小直徑用)

Part Number of TKF Inserts TKF 切斷加工刀片型号

Insert Shape 形状 (Left-hand Insert Shown 左手刀)	Part Number 型号	Dimensions (mm) 尺寸(mm)							Material 材料	
		W	Φ max	R	T	H	D	A		
	TKF12L050-S-16DL	0.5	5	0.03	3	8.7	5	16°	SL15	SL25
	TKF12L070-S-16DL	0.7	8	0.03	3	8.7	5	16°	SL15	SL25
	TKF12L100-S-16DL	1.0	12	0.03	3	8.7	5	16°	SL15	SL25
	TKF12L125-S-16DL	1.25	12	0.03	3	8.7	5	16°	SL15	SL25
	TKF12L150-S-16DL	2.5	12	0.03	3	8.7	5	16°	SL15	SL25
	TKF12L200-S-16DL	1.5	12	0.03	3	8.7	5	16°	SL15	SL25
	TKF12L050-S	0.5	5	0.03	3	8.7	5	0°	SL15	SL25
	TKF12L070-S	0.7	8	0.03	3	8.7	5	0°	SL15	SL25
	TKF12L100-S	1.0	12	0.03	3	8.7	5	0°	SL15	SL25
	TKF12L125-S	1.25	12	0.03	3	8.7	5	0°	SL15	SL25
	TKF12L150-S	1.5	12	0.03	3	8.7	5	0°	SL15	SL25
	TKF12L200-S	2.5	12	0.03	3	8.7	5	0°	SL15	SL25
	TKF12L100-S-16DL	1.0	12	0.08	3	8.7	5	16°	SL15	SL25
	TKF12L150-S-16DL	1.5	12	0.08	3	8.7	5	16°	SL15	SL25
	TKF12L200-S-16DL	2.0	12	0.08	3	8.7	5	16°	SL15	SL25
	TKF12L100-T	1.0	12	0.08	3	8.7	5	0°	SL15	SL25
	TKF12L150-T	1.5	12	0.08	3	8.7	5	0°	SL15	SL25
	TKF12L200-T	2.0	12	0.08	3	8.7	5	0°	SL15	SL25
	TKF12L050-NB-20DL	0.5	5	0	3	8.7	5	20°	SL15	SL25
	TKF12L070-NB-20DL	0.7	8	0	3	8.7	5	20°	SL15	SL25
	TKF12L100-NB-20DL	1.0	12	0	3	8.7	5	20°	SL15	SL25
	TKF12L150-NB-20DL	1.5	12	0	3	8.7	5	20°	SL15	SL25
	TKF12L200-NB-20DL	2.0	12	0	3	8.7	5	20°	SL15	SL25
	TKF12L050-NB	0.5	5	0	3	8.7	5	0°	SL15	SL25
	TKF12L070-NB	0.7	8	0	3	8.7	5	0°	SL15	SL25
	TKF12L100-NB	1.0	12	0	3	8.7	5	0°	SL15	SL25
	TKF12L150-NB	1.5	12	0	3	8.7	5	0°	SL15	SL25
	TKF12L200-NB	2.0	12	0	3	8.7	5	0°	SL15	SL25

■ GBA series grooving inserts GBA 型切槽加工用刀片(卡簧槽刀片)

■ Descriptions of GBA Insert Number 型号表示方法

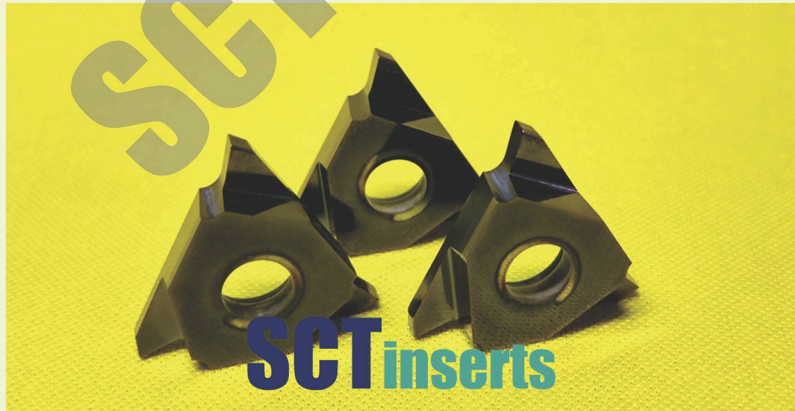


GBA	32	R	050-	005	(SL15)
Insert Name	Insert Sizes	Insert Hand	Insert Width	Corner Radius (R)	Material Code
刀片名	刀片尺寸	刀片方向	刃宽	刀尖圆弧 (R)	材料编号
	32: Inscribed Circle ϕ D: 9.525 内切圆 ϕ D: 9.525	R: Right-hand 右手刀 L: Left-hand 左手刀			(SL15) (SL25)
	43: Inscribed Circle ϕ D: 12.7 内切圆 ϕ D: 12.7				

* Note: Material Code 材料说明:

(SL15) – machining of free cutting steel 加工易切削钢.

(SL25) – machining of high strength alloy steel, high hardened steel and stainless steel 加工高强度合金钢、高硬度钢、不锈钢.

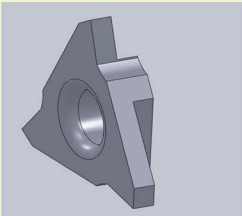
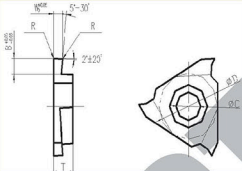


■ GBA series grooving inserts

GBA 型切槽加工用刀片(卡簧槽刀片)

■ Part number of GBA grooving inserts

GBA 型切槽加工用刀片型号

Insert Shape 形状	Part Number 型号	Dimensions (mm) 尺寸(厘米)						Material 材料	
		Φ D	Φ C	T	W	B	R	材料	
  	GBA32R/L050-005	9.525	4.2	3.18	0.5	1	0.05	SL15	SL25
	GBA32R/L075-005				0.75	2	0.05	SL15	SL25
	GBA32R/L095-005				0.95	2	0.05	SL15	SL25
	GBA32R/L100-005				1.0	2	0.05	SL15	SL25
	GBA32R/L110-005				1.1	2	0.05	SL15	SL25
	GBA32R/L120-005				1.2	2	0.05	SL15	SL25
	GBA32R/L125-020				1.25	2	0.2	SL15	SL25
	GBA32R/L130-020				1.3	2	0.2	SL15	SL25
	GBA32R/L140-020				1.4	2.5	0.2	SL15	SL25
	GBA32R/L145-020				1.45	2.5	0.2	SL15	SL25
	GBA32R/L150-020				1.5	2.5	0.2	SL15	SL25
	GBA32R/L160-020				1.6	2.5	0.2	SL15	SL25
	GBA32R/L170-020				1.7	2.5	0.2	SL15	SL25
	GBA32R/L175-020				1.75	2.5	0.2	SL15	SL25
	GBA32R/L200-020				2.0	2.5	0.2	SL15	SL25
	GBA32R/L225-020				2.25	2.5	0.2	SL15	SL25
	GBA32R/L250-020				2.5	2.5	0.2	SL15	SL25
	GBA32R/L300-020				3.0	2.5	0.2	SL15	SL25

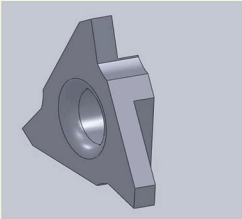
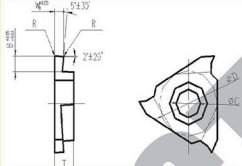


■ GBA series grooving inserts

GBA 型切槽加工用刀片(卡簧槽刀片)

■ Part number of GBA grooving inserts

GBA 型切槽加工用刀片型号 (卡簧槽刀片)

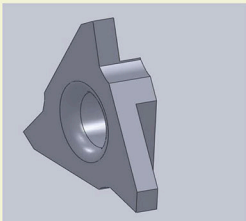
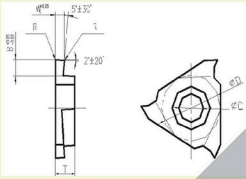
Insert Shape 形状	Part Number 型号	Dimensions (mm) 尺寸(厘米)						Material 材料	
		Φ D	Φ C	T	W	B	R	材料	
  	GBA43R/L125-010	12.7	5.2	4.76	1.25	2.0	0.1	SL15	SL25
	GBA43R/L140-020				1.4	2.0	0.2	SL15	SL25
	GBA43R/L145-020				1.45	2.0	0.2	SL15	SL25
	GBA43R/L150-020				1.5	3.5	0.2	SL15	SL25
	GBA43R/L170-020				1.7	3.5	0.2	SL15	SL25
	GBA43R/L175-020				1.7	3.5	0.2	SL15	SL25
	GBA43R/L185-020				1.85	3.5	0.2	SL15	SL25
	GBA43R/L195-020				1.95	3.5	0.2	SL15	SL25
	GBA43R/L200-010				2.0	3.5	0.1	SL15	SL25
	GBA43R/L200-020				2.0	3.5	0.2	SL15	SL25
	GBA43R/L225-020				2.25	3.5	0.2	SL15	SL25
	GBA43R/L230-020				2.3	3.5	0.2	SL15	SL25
	GBA43R/L250-010				2.5	5.0	0.1	SL15	SL25
	GBA43R/L250-030				2.5	4.0	0.3	SL15	SL25
	GBA43R/L250-030				2.5	5.0	0.3	SL15	SL25
	GBA43R/L265-030				2.65	4.0	0.3	SL15	SL25
	GBA43R/L265-030				2.65	5.0	0.3	SL15	SL25
	GBA43R/L280-030				2.8	4.0	0.3	SL15	SL25
	GBA43R/L280-030				2.8	5.0	0.3	SL15	SL25

■ GBA series grooving inserts

GBA 型切槽加工用刀片(卡簧槽刀片)

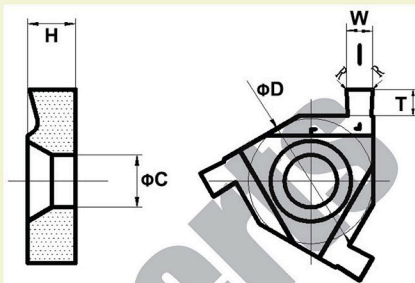
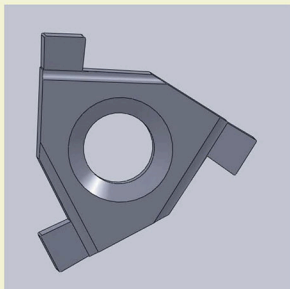
■ Part number of GBA grooving inserts

GBA 型切槽加工用刀片型号 (卡簧槽刀片)

Insert Shape 形状	Part Number 型号	Dimensions (mm) 尺寸(mm)						Material 材料	
		Φ D	Φ C	T	W	B	R	材料	
  	GBA43R/L300-010	12.7	5.2	4.76	3.0	5.0	0.3	SL15	SL25
	GBA43R/L300-030				3.0	4.0	0.3	SL15	SL25
	GBA43R/L300-030				3.0	5.0	0.3	SL15	SL25
	GBA43R/L325-030				3.25	5.0	0.3	SL15	SL25
	GBA43R/L330-030				3.3	4.0	0.3	SL15	SL25
	GBA43R/L330-030				3.3	5.0	0.3	SL15	SL25
	GBA43R/L350-010				3.5	5.0	0.1	SL15	SL25
	GBA43R/L350-030				3.5	5.0	0.3	SL15	SL25
	GBA43R/L400-010				4.0	5.0	0.1	SL15	SL25
	GBA43R/L400-040				4.0	5.0	0.4	SL15	SL25
	GBA43R/L430-040				4.3	5.0	0.4	SL15	SL25
	GBA43R/L450-040				4.5	5.0	0.4	SL15	SL25
	GBA43R/L480-040				4.8	5.0	0.4	SL15	SL25

Internal & External Grooving Inserts (circlip grooving inserts) 平装切槽刀片(卡簧槽刀片)

Descriptions of Insert Number 型号表示方法



16	ER	1.0	(SL15)
Insert Sizes	Insert Hand	Grooving Width	Material Code
刀片尺寸	刀片方向	切槽宽度	材料编号
16	ER: External grooving insert 外切槽刀		(SL15)
22	NR: Internal grooving insert 内切槽刀		(SL25)

* Note: Material Code 材料说明:

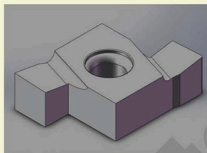
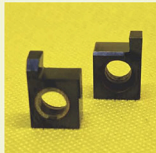
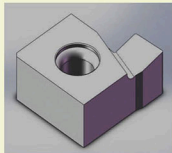
(SL15) – machining of free cutting steel 加工易切削钢.

(SL25) – machining of high strength alloy steel, high hardened steel and stainless steel 加工高强度合金钢、高硬度钢、不锈钢.



Internal Grooving Insert (small hole) 小孔切槽刀片

Descriptions of Insert Number 型号表示方法



6G	R	100	(SL15)
Insert Number 刀片型号	Insert Hand 刀片方向 R: Right-hand 右手刀 L: Left-hand 左手刀	Groove Width 切槽宽度	Material Code 材料编号 (SL15) (SL25)

* Note: Material Code 材料说明:

(SL15) – machining of free cutting steel 加工易切削钢.

(SL25) – machining of high strength alloy steel, high hardened steel and stainless steel 加工高强度合金钢、高硬度钢、不锈钢.



■ Production Equipment 生产设备



■ Inspection Devices 检测设备



■ Ready Parts for Shipment 成品待运



■ Convenient Shipment 便捷运输



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