



**NEW
PRODUCT!**

小型自动车床用刀具

LF断屑槽正型刀片

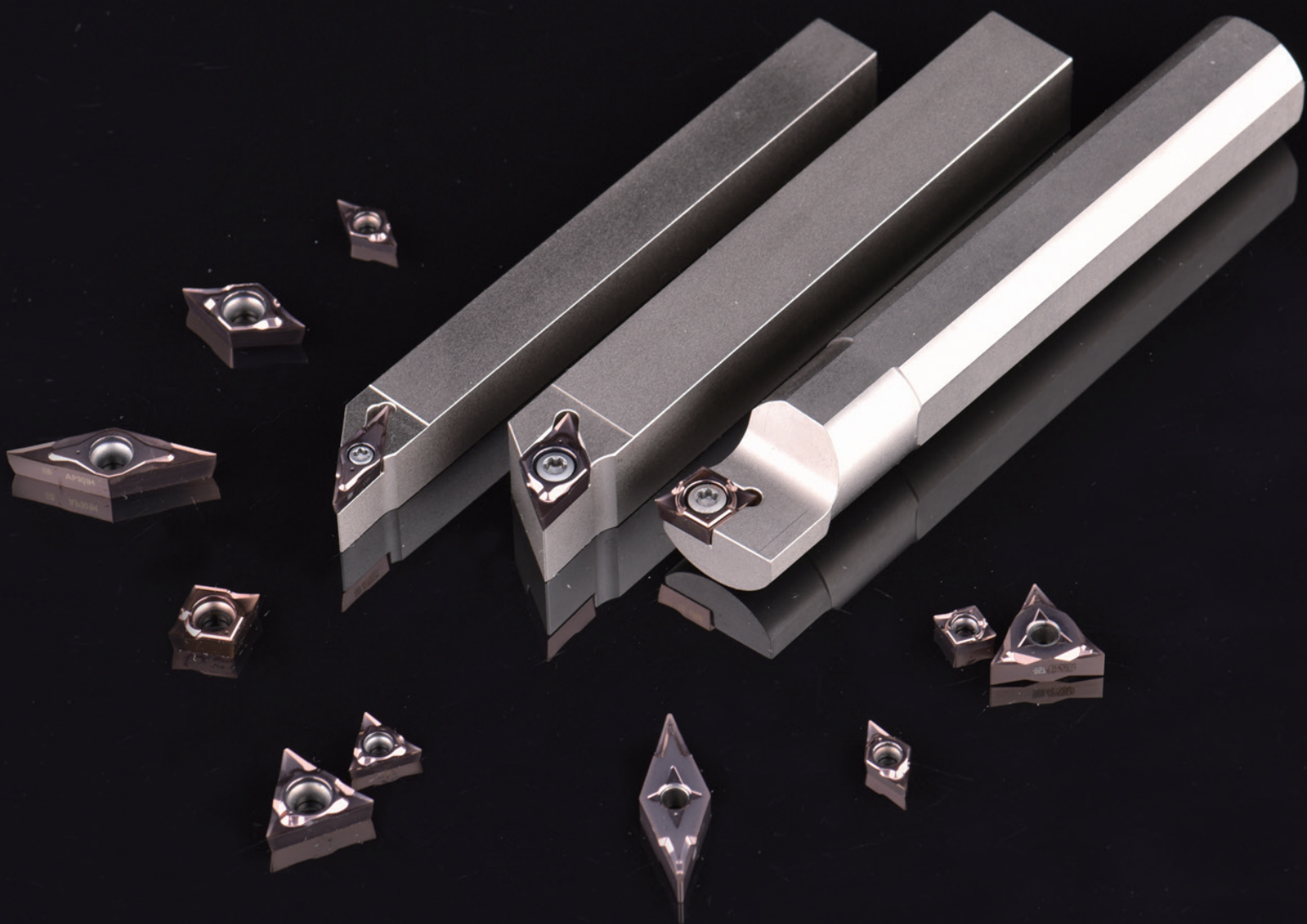
低切削阻力研磨级正型刀片系列

UF断屑槽负型刀片

非常适合不锈钢材料加工

外圆车刀杆

全周磨制级高精度刀杆

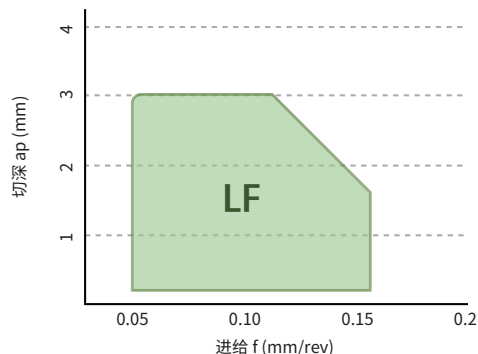




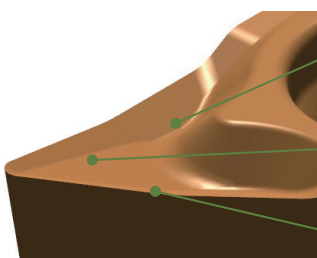
➤ 正型LF槽型

小零件加工专用

小零件精加工低切削阻力设计

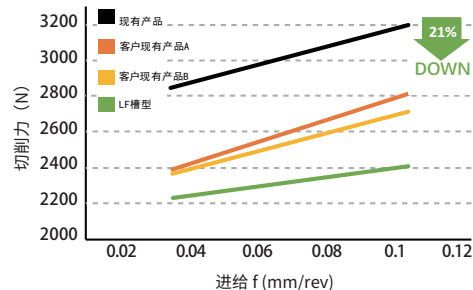


● 槽型特点



- 大容屑槽搭配镜面处理
有效降低积屑瘤发生概率
- 锋利型大前角低阻力设计
实现大切深切屑稳定排出
- 锋利边缘具备高倾角
实现优异加工表面

大前角保证切屑顺畅排出
对应切深0.3~3.0mm



切削条件: $V_c=120\text{m/min}$ $f=0.08\text{mm/rev}$ $a_p=1.0\text{mm}$ wet
切削材料: SUS316L

● 材质特点

通用加工
第一推荐

M15-M35
P15-P35

AP301M

小零件专用材质, 适用于钢件和不锈钢的加工,
具有良好的抗积屑瘤表现

难加工材
第一推荐

S05-S25
M05-M25

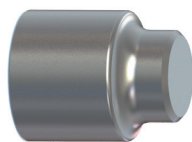
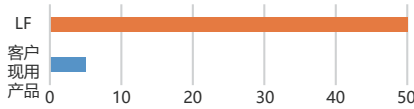
AP100S

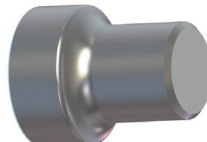
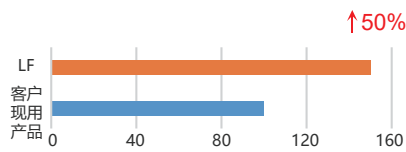
一种具有高硬度和良好的抗塑性变形能力的PVD涂
层硬质合金材质, 能够确保均匀磨损和出众的性能

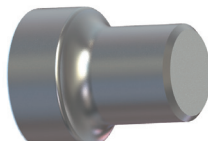
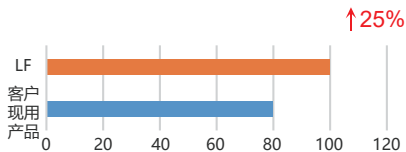
加工材料	钢 (碳钢/合金钢)					不锈钢					钛合金				
切削领域	精加工		粗加工			精加工		粗加工			精加工		粗加工		
ISO分类	P01	P10	P20	P30	P40	M01	M10	M20	M30	M40	S01	S10	S20	S30	S40
LF槽型			AP301M					AP301M					AP100S		
							AP100S						AP301M		

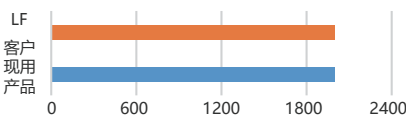


加工案例

刀具型号	DCGT 11T302FP-LF AP301M
加工零件	
加工材料	440C
切削速度	100 m/min
进 给	0.04 mm/rev
切 深	0.1 mm
冷 却	乳化液
结果	 客户现用产品粗糙度不达标, LF顺利完成50件打样

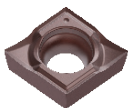
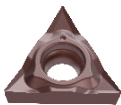
刀具型号	CCGT 09T304FP-LF AP301M
加工零件	
加工材料	TC4
切削速度	30m/min
进 给	0.05mm/rev
切 深	0.3 mm
冷 却	乳化液
结果	 寿命提升50%

刀具型号	VCGT 110304FP-LF AP301M
加工零件	
加工材料	TC4
切削速度	32m/min
进 给	0.05mm/rev
切 深	0.2mm
冷 却	乳化液
结果	 寿命提升25%

刀具型号	DCGT 11T302FP-LF AP301M
加工零件	
加工材料	9Cr18Mo
切削速度	37.6m/min
进 给	0.03mm/rev
切 深	0.15mm
冷 却	乳化液
结果	 强制换刀, 粗糙度与客户现用产品修光刀片一致

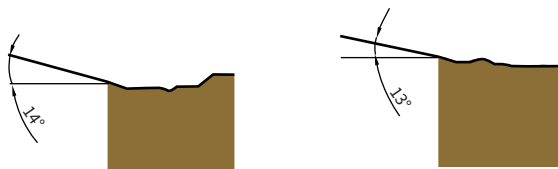
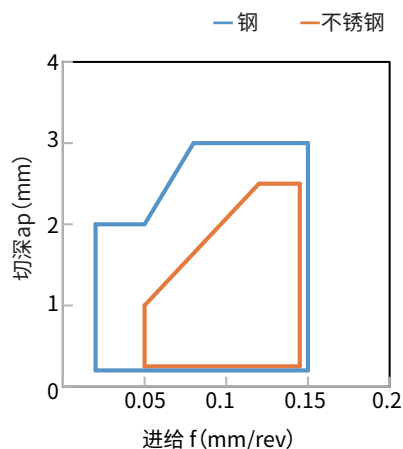
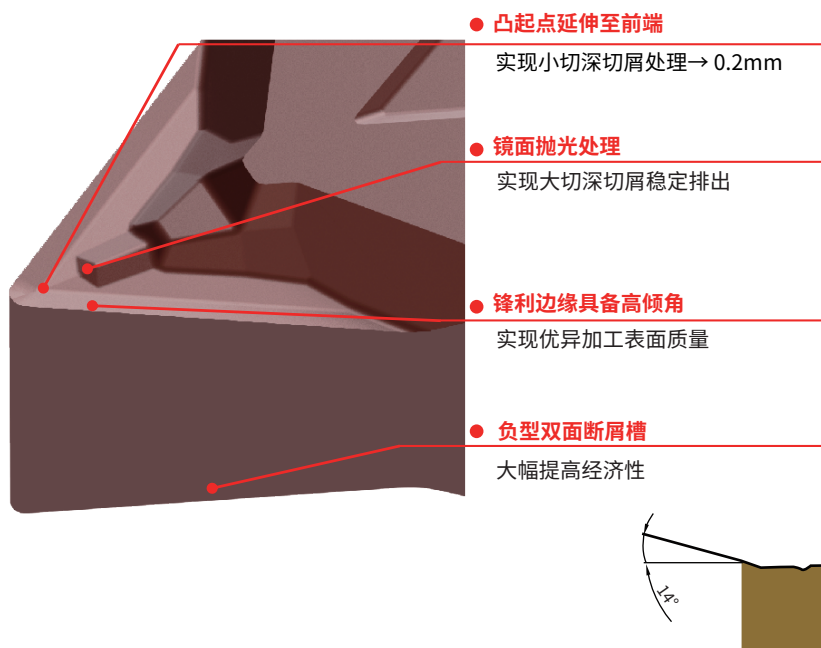


产品阵容——LF槽型刀片

刀片	型号	RE	推荐参数		牌号
			f(mm/rev)	ap(mm)	AP301M
	CCGT 060201FP-LF	<0.1	0.05-0.2	0.35-3.0	●
	060202FP-LF	0.2	0.05-0.2	0.35-3.0	●
	060204FP-LF	0.4	0.05-0.2	0.35-3.0	●
	09T301FP-LF	<0.1	0.05-0.2	0.35-3.0	●
	09T302FP-LF	0.2	0.05-0.2	0.35-3.0	●
	09T304FP-LF	0.4	0.05-0.2	0.35-3.0	●
	DCGT 0702005FP-LF	<0.05	0.05-0.2	0.35-3.0	●
	070201FP-LF	<0.1	0.05-0.2	0.35-3.0	●
	070202FP-LF	0.2	0.05-0.2	0.35-3.0	●
	070204FP-LF	0.4	0.05-0.2	0.35-3.0	●
	11T301FP-LF	<0.1	0.05-0.2	0.35-3.0	●
	11T302FP-LF	0.2	0.05-0.2	0.35-3.0	●
	11T304FP-LF	0.4	0.05-0.2	0.35-3.0	●
	TCGT 110201FP-LF	<0.1	0.05-0.2	0.35-3.0	●
	110202FP-LF	0.2	0.05-0.2	0.35-3.0	●
	110204FP-LF	0.4	0.05-0.2	0.35-3.0	●
	16T304FP-LF	0.4	0.05-0.2	0.35-3.0	●
	VBGT 1103005FP-LF	<0.05	0.05-0.2	0.35-3.0	●
	110301FP-LF	<0.1	0.05-0.2	0.35-3.0	●
	110302FP-LF	0.2	0.05-0.2	0.35-3.0	●
	110304FP-LF	0.4	0.05-0.2	0.35-3.0	●
	160401FP-LF	<0.1	0.05-0.2	0.35-3.0	●
	160402FP-LF	0.2	0.05-0.2	0.35-3.0	●
	VCGT 1103005FP-LF	<0.05	0.05-0.2	0.35-3.0	●
	110301FP-LF	<0.1	0.05-0.2	0.35-3.0	●
	110302FP-LF	0.2	0.05-0.2	0.35-3.0	●
	110304FP-LF	0.4	0.05-0.2	0.35-3.0	●
	VPGT 1103005FP-LF	<0.05	0.05-0.2	0.35-3.0	●
	110301FP-LF	<0.1	0.05-0.2	0.35-3.0	●
	110302FP-LF	0.2	0.05-0.2	0.35-3.0	●



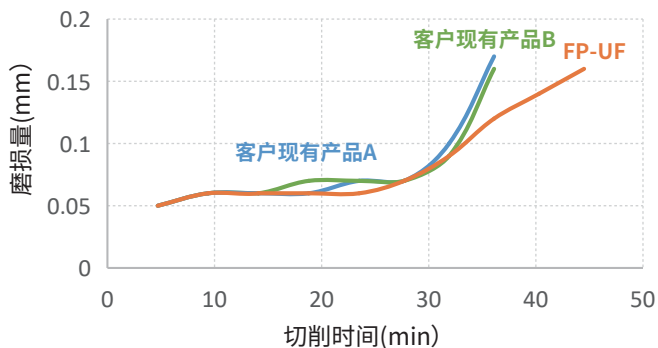
➤ 负型UF槽型



● 切屑比较

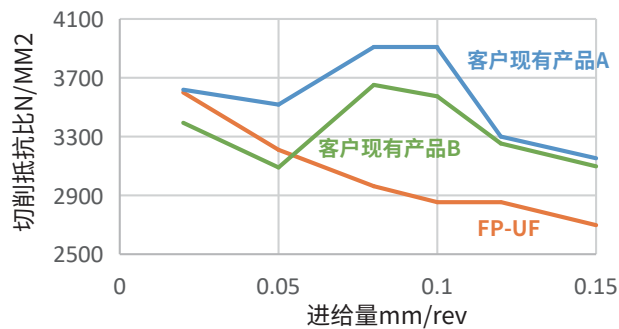
耐磨损性能

合金钢 (40CrNiMo) 连续切削



切削力

合金钢 (40CrNiMo) 连续切削



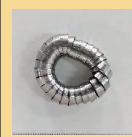
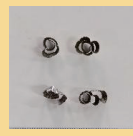
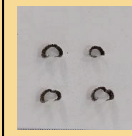
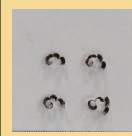
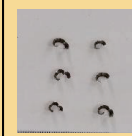
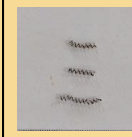
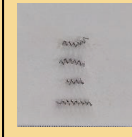
刀具型号	TNGG 160402FP-UF AP301M
切削速度	180m/min
进 给	0.08mm/min
切 深	1.0mm
冷 却	水溶性

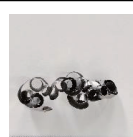
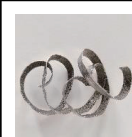
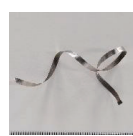
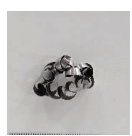
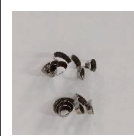
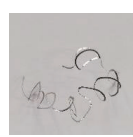
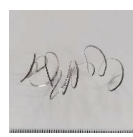
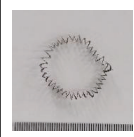
刀具型号	TNGG 160402FP-UF AP301M
切削速度	180m/min
进 给	0.02 - 0.15mm/min
切 深	1.0mm
冷 却	水溶性

切屑比较

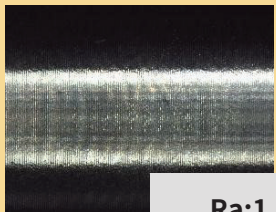
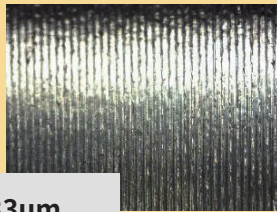
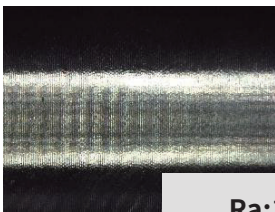
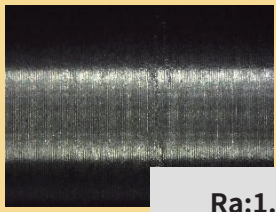
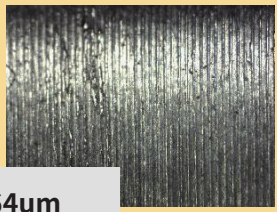
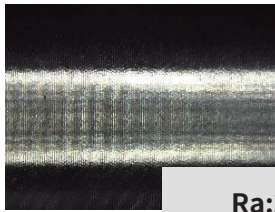
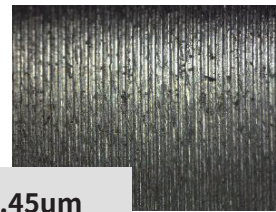
TNGG 160402FP-UF AP301M

客户现有产品

3.0				
2.0				
1.0				
0.5				
0.2				
	0.02	0.05	0.10	0.15
【切削条件】 材料: SUS304 Vc=160m/min 湿式				

3.0				
2.0				
1.0				
0.5				
0.2				
	0.02	0.05	0.10	0.15
【切削条件】 材料: SUS304 Vc=160m/min 湿式				

加工面比较

	FP-UF断屑槽		其他公司 三维断屑槽	
初始加工		 Ra:1.33um		 Ra:1.57um
20分钟后		 Ra:1.64um		 Ra:2.45um
【切削条件】 材料: SUS304 Ø40mm Vc=160m/min f=0.08mm/rev ap=1mm 湿式				

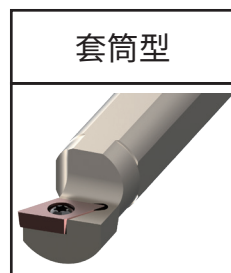
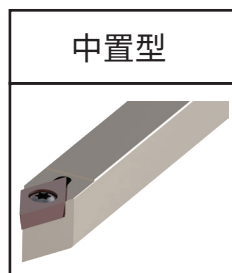
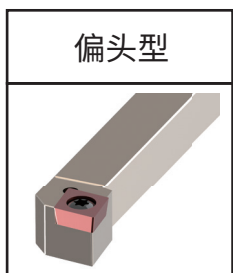
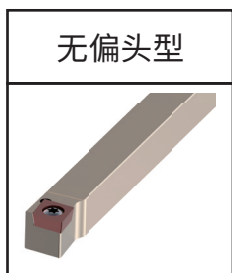
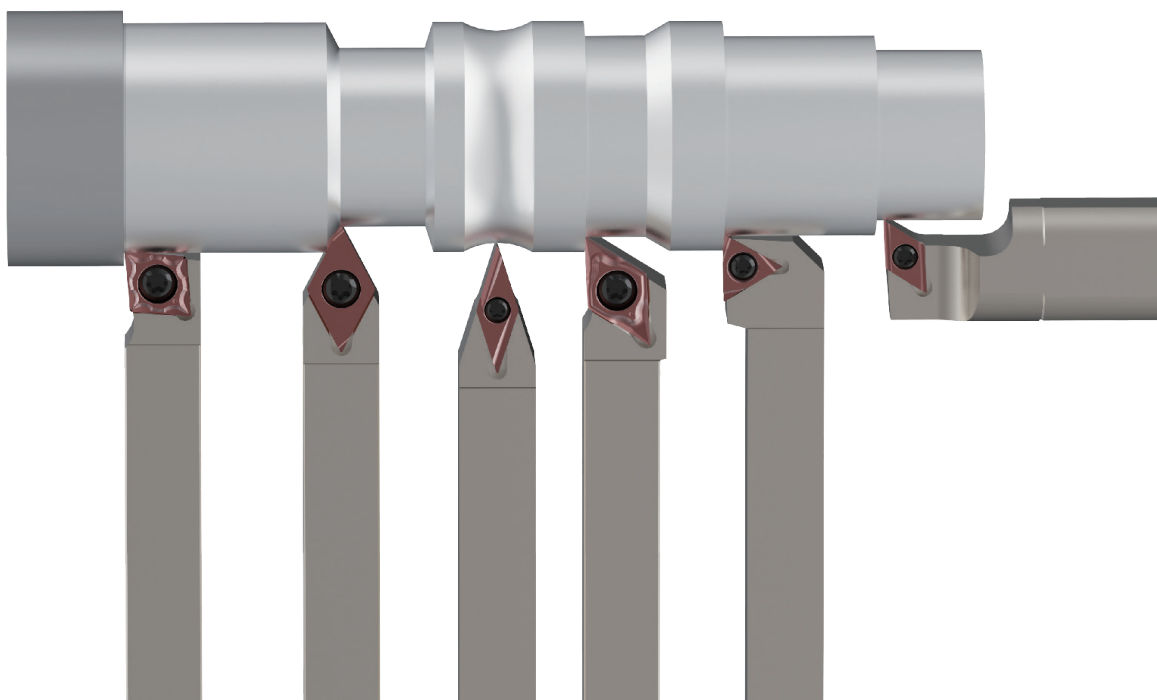


产品阵容——UF槽型刀片

刀片 有方向的刀片 图示为左手(L)	型号	RE	推荐参数		牌号
			f(mm/rev)	ap(mm)	AP301M
	TNGG 160401FP-UF	0.1	0.03-0.11	0.3-2.5	●
	160402FP-UF	0.2	0.03-0.11	0.3-2.5	●
	160404FP-UF	0.4	0.03-0.11	0.3-2.5	●
	VNGG 160401FP-UF	0.1	0.02-0.1	0.5-2.0	●
	160402FP-UF	0.2	0.02-0.1	0.5-2.0	●
	160404FP-UF	0.4	0.02-0.1	0.5-2.0	●



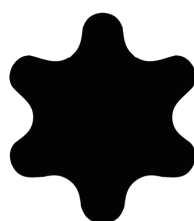
小零件外圆车刀杆



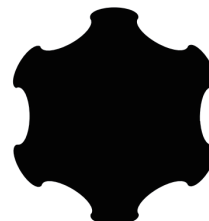
√ 多种形状, 满足不同使用工况

√ 四周磨, 定位精度高

√ 采用TORX PLUS螺钉



TORX

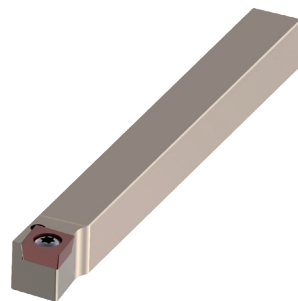
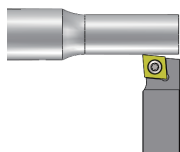


TORX PLUS



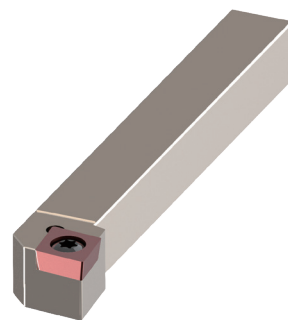
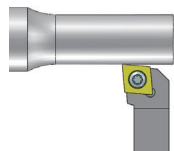
产品阵容——外圆车刀杆

SCLC外圆方刀杆 - 无偏头



型号		尺寸 (mm)					库存	
		H	B	HF	LH	WF	R	L
	SCLCR/L 0808F-06F	8	8	8	-	8	●	●
	SCLCR/L 1010JX-06F	10	10	10	-	10	●	●
	SCLCR/L 1010JX-09F	10	10	10	15	10	●	●
	SCLCR/L 1212F-09F	12	12	12	-	12	●	●
	SCLCR/L 1212JX-09F	12	12	12	-	12	●	●
	SCLCR/L 1616JX-09F	16	16	16	-	16	●	●

SCLC外圆方刀杆 - 带偏头

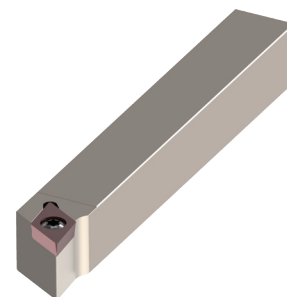
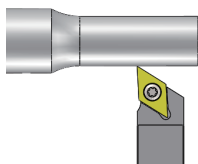


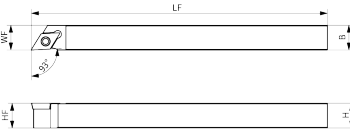
型号		尺寸 (mm)						库存	
		H	B	HF	LF	LH	WF	R	L
	SCLCR/L 1010F-06	10	10	10	80	9	12	●	●
	SCLCR/L 1010F-09	10	10	10	80	14	12	●	●
	SCLCR/L 1212H-09	12	12	12	100	14	16	●	●
	SCLCR/L 1616H-09	16	16	16	100	15	20	●	●



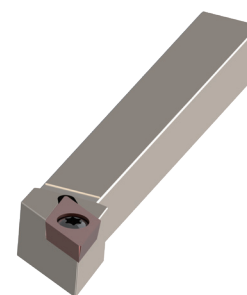
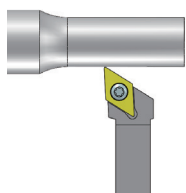
产品阵容——外圆车刀杆

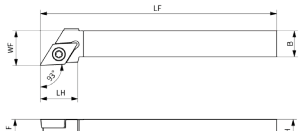
SDJC外圆方刀杆 - 无偏头



型号		尺寸 (mm)							库存	
		H	B	HF	LF	LH	WF	HBKW	R	L
	SDJCR/L 0808F-07F	8	8	8	80	14	8	0.5	●	●
	SDJCR/L 1010JX-07F	10	10	10	120	-	10	-	●	●
	SDJCR/L 1010JX-11F	10	10	10	120	20	10	3	●	●
	SDJCR/L 1212F-11F	12	12	12	80	20	12	1	●	●
	SDJCR/L 1212JX-11F	12	12	12	120	20	12	1	●	●
	SDJCR/L 1616JX-11F	16	16	16	120	-	16	-	●	●

SDJC外圆方刀杆 - 带偏头

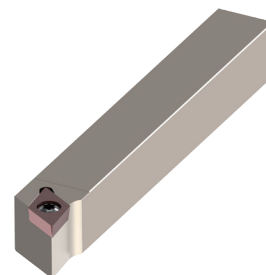
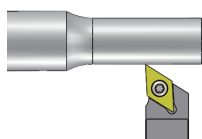


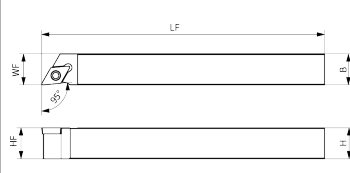
型号		尺寸 (mm)							库存	
		H	B	HF	LF	LH	WF	HBKW	R	L
	SDJCR/L 1010F-07	10	10	10	80	12	12	-	●	●
	SDJCR/L 1010F-11	10	10	10	80	18	12	3	●	●
	SDJCR/L 1212H-11	12	12	12	100	18	16	1	●	●
	SDJCR/L 1616H-11	16	16	16	100	18	20	-	●	●



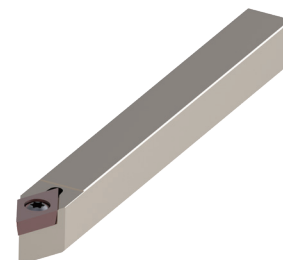
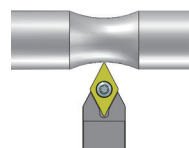
产品阵容——外圆车刀杆

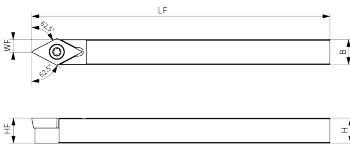
SDLC外圆方刀杆—无偏头



型号		尺寸(mm)							库存	
		H	B	HF	LF	LH	WF	HBKW	R	L
	SDLCR/L 1010JX-07F	10	10	10	120	-	10	-	●	●
	SDLCR/L 1212F-07F	12	12	12	80	-	12	-	●	●
	SDLCR/L 1212JX-07F	12	12	12	120	-	12	-	●	●
	SDLCR/L 1616JX-07F	16	16	16	120	-	16	-	●	●
	SDLCR 1010F-11F	10	10	10	80	-	10	4	●	-
	SDLCR/L 1010JX-11F	10	10	10	120	-	10	4	●	●
	SDLCR 1212F-11F	12	12	12	80	-	12	2	●	-
	SDLCR/L 1212JX-11F	12	12	12	120	-	12	2	●	●
	SDLCR 1616H-11F	16	16	16	100	-	16	-	●	-
	SDLCR/L 1616JX-11F	16	16	16	120	-	16	-	●	●

SDNC外圆方刀杆 - 中置型

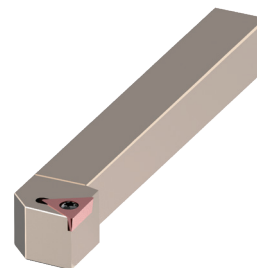
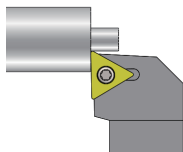


型号		尺寸(mm)							库存	
		H	B	HF	LF	LH	WF	HBKW	N	
	SDNCN 0808F-07	8	8	8	80	-	4	-	●	
	SDNCN 1010JX-07	10	10	10	120	-	5	-	●	
	SDNCN 1212JX-07	12	12	12	120	-	6	-	●	
	SDNCN 1010F-11	10	10	10	80	-	5	-	●	
	SDNCN 1010JX-11	10	10	10	120	-	5	4	●	
	SDNCN 1212F-11	12	12	12	80	-	6	4	●	
	SDNCN 1212JX-11	12	12	12	120	-	6	2	●	
	SDNCN 1616H-11	16	16	16	100	-	8	2	●	
	SDNCN 1616JX-11	16	16	16	120	-	8	-	●	



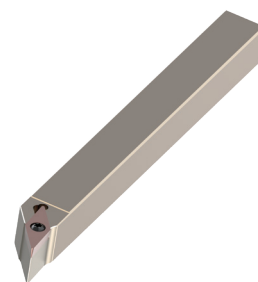
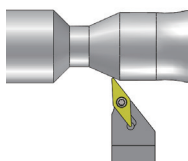
产品阵容——外圆车刀杆

STGC/STGP外圆方刀杆 - 带偏头



型号		尺寸(mm)						库存	
		H	B	HF	LF	LH	WF	R	L
	STGCR 0808F-08	8	8	8	80	12	10	●	-
	STGCR/L 1010F-11	10	10	10	80	15	14	●	●
	STGCR/L 1212H-11	12	12	12	100	15	16	●	●
	STGCR/L 1616H-11	16	16	16	100	15	20	●	●
	STGPR 0808F-08	8	8	8	80	12	10	●	-
	STGPR/L 1010F-11	10	10	10	80	15	14	●	●
	STGPR/L 1212H-11	12	12	12	100	15	16	●	●
	STGPR/L 1616H-11	16	16	16	100	15	20	●	●

SVJB外圆方刀杆 - 无偏头

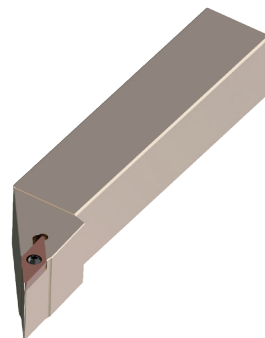
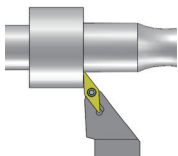


型号		尺寸(mm)						库存	
		H	B	HF	LF	LH	WF	R	L
	SVJBR/L 1010JX-11F	10	10	10	120	-	10	●	●
	SVJBR/L 1212JX-11F	12	12	12	120	-	12	●	●
	SVJBR/L 1616JX-11F	16	16	16	120	-	16	●	●
	SVJBR/L 2020JX-11F	20	20	20	120	20	20	●	●



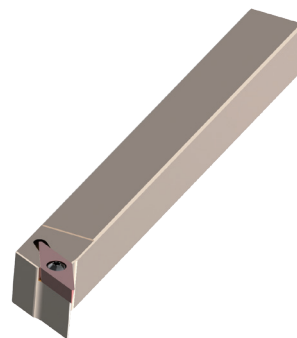
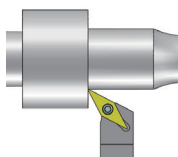
产品阵容——外圆车刀杆

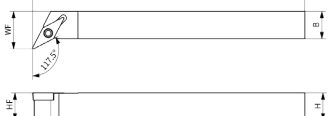
SVJB外圆方刀杆 - 带偏头



型号		尺寸 (mm)						库存	
		H	B	HF	LH	WF	R	R	L
	SVJBR/L 2020K-11	20	20	20	125	30	25	●	●
	SVJBR/L 2020K-16	20	20	20	125	30	25	●	●
	SVJBR/L 2525M-16	25	25	25	150	30	32	●	●

SVPB外圆方刀杆 - 带偏头

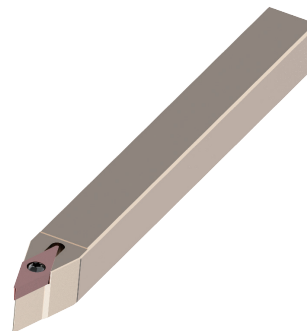
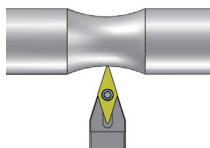


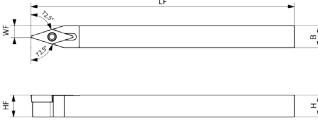
型号		尺寸(mm)					库存	
		H	B	HF	LH	WF	R	L
	SVPBR/L 1010JX-11	10	10	10	120	14.5	●	●
	SVPBR/L 1212JX-11	12	12	12	120	16.5	●	●
	SVPBR/L 1616JX-11	16	16	16	120	20.5	●	●
	SVPBR/L 2020K-11	20	20	20	125	25	●	●
	SVPBR/L 2020K-16	20	20	20	125	25	●	●
	SVPBR/L 2525M-16	25	25	25	150	32	●	●



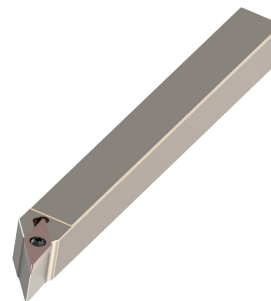
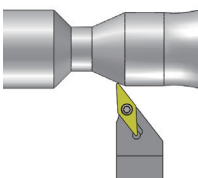
产品阵容——外圆车刀杆

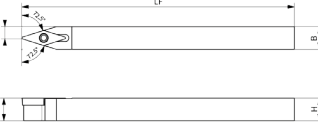
SVVBN外圆方刀杆 - 中置型



型号		尺寸 (mm)					库存	
		H	B	HF	LF	WF	R	L
	SVVBN 1010JX-11	10	10	10	120	5	●	●
	SVVBN 1212JX-11	12	12	12	120	6	●	●
	SVVBN 1616JX-11	16	16	16	120	8	●	●
	SVVBN 2020K-11	20	20	20	125	10	●	●
	SVVBN 2020K-16	20	20	20	125	10	●	●
	SVVBN 2525M-16	25	25	25	150	12.5	●	●

SVJCR外圆方刀杆 - 无偏头

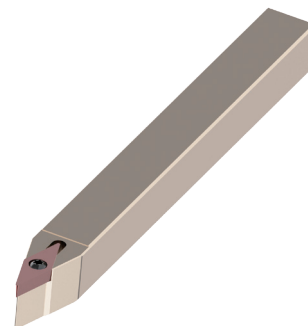
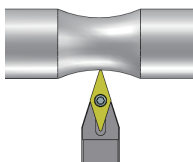


型号		尺寸 (mm)					库存	
		H	B	HF	LF	WF	R	L
	SVJCR/L 1010JX-11F	10	10	10	120	10	●	●
	SVJCR/L 1212JX-11F	12	12	12	120	12	●	●
	SVJCR/L 1616JX-11F	16	16	16	120	16	●	●
	SVJCR/L 2020JX-11F	20	20	20	120	20	●	●



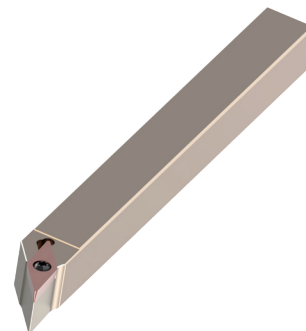
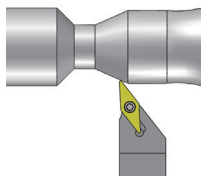
产品阵容——外圆车刀杆

SVVCN外圆方刀杆 - 中置型



型号		尺寸 (mm)					库存	
		H	B	HF	LF	WF	N	
	SVVCN 1010JX-11	10	10	10	120	5	●	
	SVVCN 1212JX-11	12	12	12	120	6	●	
	SVVCN 1616JX-11	16	16	16	120	8	●	

SVLPR外圆方刀杆 - 无偏头

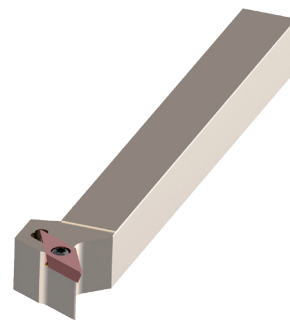
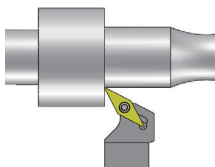


型号		尺寸 (mm)					库存	
		H	B	HF	LF	WF	R	L
	SVLPR/L 1010JX-08F	10	10	10	120	10	●	●
	SVLPR/L 1212JX-08F	12	12	12	120	12	●	●
	SVLPR/L 1616JX-08F	16	16	16	120	12	●	●
	SVLPR/L 1212JX-11F	12	12	12	120	16	●	●
	SVLPR/L 1616JX-11F	16	16	16	120	10	●	●
	SVLPR/L 2020K-11F	20	20	20	125	10	●	●



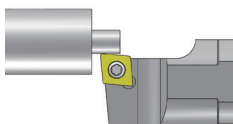
产品阵容——外圆车刀杆

SVPP外圆方刀杆 - 阶梯式



型号		尺寸 (mm)							库存	
		H	B	HF	LF	LH	WF	HBKW	R	L
	SVPPR/L 1010JX-08F	10	10	10	120	16	10	4	●	●
	SVPPR/L 1212JX-08F	12	12	12	120	16	12	2	●	●
	SVPPR/L 1616JX-08F	16	16	16	120	20	16	-	●	●
	SVPPR/L 1010JX-11F	10	10	10	120	20	10	8	●	●
	SVPPR/L 1212JX-11F	12	12	12	120	20	12	6	●	●
	SVPPR/L 1616JX-11F	16	16	16	120	20	16	2	●	●

套筒刀杆 - 适用于C型刀片

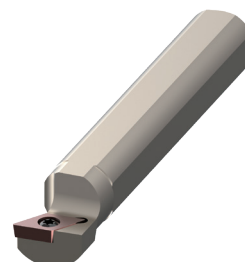
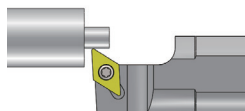


型号		尺寸 (mm)					库存
		DCON	LF	H	WF	WF2	L
	S12F-SCLCL06	12	80	11	6	1	●
	S14H-SCLCL06	14	100	13	6	1	●
	S15.0H-SCLCL06	15.875	100	15	6	1	●
	S16H-SCLCL06	16	100	15	6	1	●
	S19.0JX-SCLCL06	19.05	120	17	6	1	●
	S20JX-SCLCL06	20	120	18	6	1	●
	S19.0JX-SCLCL09	19.05	120	17	10	2	●
	S20JX-SCLCL09	20	120	18	10	2	●
	S22JX-SCLCL09	22	120	20	10	2	●
	S25JX-SCLCL09	25	120	23	10	2	●
	S25.0JX-SCLCL09	25.4	120	23	10	2	●



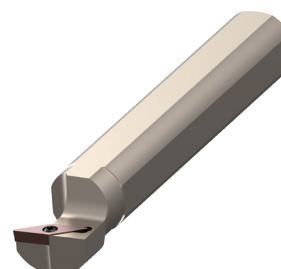
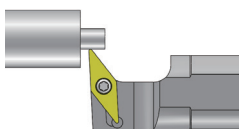
产品阵容——外圆车刀杆

套筒刀杆 - 适用于D型刀片



型号		尺寸 (mm)					库存
		DCON	LF	H	WF	WF2	L
	S12F-SDUCL07	12	80	11	6	3.8	●
	S14H-SDUCL07	14	100	13	6	3.8	●
	S15.0H-SDUCL07	15.875	100	15	6	3.8	●
	S16H-SDUCL07	16	100	15	6	3.8	●
	S19.0JX-SDUCL07	19.05	120	17	6	3.8	●
	S20JX-SDUCL07	20	120	18	6	3.8	●
	S19.0JX-SDUCL11	19.05	120	17	10	5.8	●
	S20JX-SDUCL11	20	120	20	10	5.8	●
	S22JX-SDUCL11	22	120	20	10	5.8	●
	S25JX-SDUCL11	25	120	23	10	5.8	●
	S25.0JX-SDUCL11	25.4	120	23	10	5.8	●

套筒刀杆 - 适用于V型刀片



型号		尺寸 (mm)					库存
		DCON	LF	H	WF	WF2	L
	S12F-SVUPL08	12	80	11	7.5	5.5	●
	S14H-SVUPL08	14	100	13	7.5	5.5	●
	S15.0H-SVUPL08	15.875	100	15	8	5.5	●
	S16H-SVUPL08	16	100	15	8	5.5	●
	S19.0JX-SVUBL11	19.05	120	17	10.5	8	●
	S20JX-SVUBL11	20	120	18	10.5	8	●
	S22JX-SVUBL11	22	120	20	10.5	8	●
	S25JX-SVUBL11	25	120	23	10.5	8	●
	S25.0JX-SVUBL11	25.4	120	23	10.5	8	●