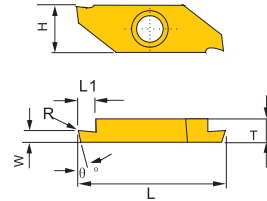



Small part cutting

KTPR.. FA

Parting off inserts



Insert shape	Model	Size and Grades									
		w	L1	R	T	H	L	θ°	KTX	KVX	KW20
	KTPR100FA	1.0	5.0	0.08	3.5	9.4	25	16	●	●	●
	KTPR150FA	1.5	7.0	0.08	3.5	9.4	25	16	●	●	●
	KTPR200FA	2.0	8.5	0.08	3.5	9.4	25	16	●	●	●
	KTPR250FA	2.5	8.5	0.08	3.5	9.4	25	16	●	●	●
Steel									★	★	
Stainless Steel											★
Cast Iron									☆	☆	
Nonferrous Metal											★
Heat Resistant Alloy										☆	
Hardened Steel											

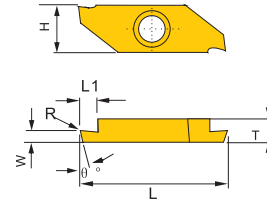
★首选 ☆可选

●标准库存 ○订单生产

Small part cutting

KTPR.. FN

Grooving inserts



刀片外形 Insert shape	型号 Model	尺寸与材质 Size and Grades									
		w	L1	R	T	H	L	θ°	KTX	KVX	KW20
	KTPR050FN	0.5	2.0	0.05	3.5	9.4	25	0	●	●	●
	KTPR070FN	0.7	2.8	0.05	3.5	9.4	25	0	●	●	●
	KTPR100FN	1.0	4.0	0.05	3.5	9.4	25	0	●	●	●
	KTPR125FN	1.25	5.0	0.05	3.5	9.4	25	0	●	●	●
	KTPR150FN	1.5	5.5	0.05	3.5	9.4	25	0	●	●	●
	KTPR200FN	2.0	5.5	0.05	3.5	9.4	25	0	●	●	●
	KTPR250FN	2.5	5.5	0.05	3.5	9.4	25	0	●	●	●
钢 Steel									★	★	
不锈钢 Stainless Steel										★	
铸铁 Cast Iron									☆	☆	
有色金属 Nonferrous Metal											★
耐热合金 Heat Resistant Alloy										☆	
淬硬钢 Hardened Steel											

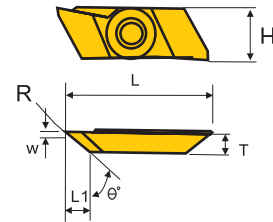
★首选 ☆可选


●标准库存 ○订单生产

Small part cutting

KTPR.. FB

Back turning inserts



刀片外形 Insert shape	型号 Model	尺寸与材质 Size and Grades									
		w	L1	R	T	H	L	θ°	KTX	KVX	KW20
	KTPR05FB	0.5	4.0	0.05	3.5	9.4	25	60	●	●	●
	KTPR10FB	1.0	4.0	0.1	3.5	9.4	25	60	●	●	●
Steel									★	★	
Stainless Steel										★	
Cast Iron									☆	☆	
Nonferrous Metal											★
Heat Resistant Alloy										☆	
Hardened Steel											

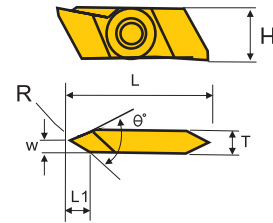
★首选 ☆可选

●标准库存 ○订单生产

Small part cutting

KTPR.. FT

Threading inserts



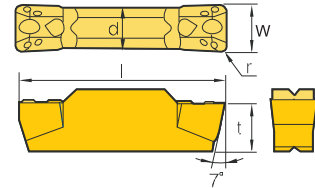
刀片外形 Insert shape	型号 Model	尺寸与材质 Size and Grades									
		螺距 Pitch	W	R	T	H	L	θ°	KTX	KVX	KW20
	KTPR6000FT	0.2-0.6	2.0	0.00	3.5	9.4	25	60	●	●	●
	KTPR6005FT	0.5-1.25	2.0	0.05	3.5	9.4	25	60	●	●	●
	KTPR5500FT	64-48	2.0	0.00	3.5	9.4	25	55	●	●	●
	KTPR5505FT	48-24	2.0	0.05	3.5	9.4	25	55	●	●	●
钢 Steel									★	★	
不锈钢 Stainless Steel										★	
铸铁 Cast Iron									☆	☆	
有色金属 Nonferrous Metal											★
耐热合金 Heat Resistant Alloy										☆	
淬硬钢 Hardened Steel											

★首选 ☆可选

●标准库存 ○订单生产

Grooving inserts

M.MN..



刀片外形 Insert shape	型号 Model	尺寸与材质 Size and Grades							
		W	r	l	d	t	KTX	KVX	KW20
	MGMN150-G	1.5	0.15	16.0	1.2	3.5	●	●	
	MGMN200-G	2.0	0.2	16.0	1.6	3.5	●	●	
	MGMN250-G	2.5	0.2	18.5	2.0	3.85	●	●	
	MGMN300-M	3.0	0.4	21.0	2.35	4.8	●	●	
	MGMM400-M	4.0	0.4	21.0	3.3	4.8	●	●	
	MGMN500-M	5.0	0.8	26.0	4.1	5.8	●	●	
	MGMN600-M	6.0	0.8	26.0	5.0	5.8	●	●	
	MRMN200-M	2.0	1.0	16.0	1.5	3.5	●	●	
	MRMN300-M	3.0	1.5	21.0	2.35	4.8	●	●	
	MRMN400-M	4.0	2.0	21.0	3.3	4.8	●	●	
钢 Steel							★	★	
不锈钢 Stainless Steel								★	
铸铁 Cast Iron							☆	☆	
有色金属 Nonferrous Metal									★
耐热合金 Heat Resistant Alloy								☆	
淬硬钢 Hardened Steel									

★首选 ☆可选

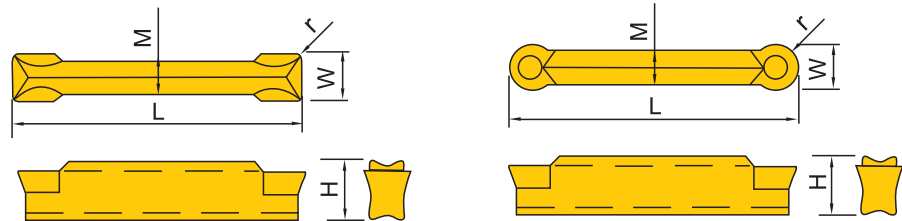
●标准库存 ○订单生产

Recommended Cutting Conditions

Workpiece Materials	加工形式	切削速度推荐值Vc(m/min) Recommended Cutting Speed			切削速度推荐值f(mm/rev) Recommended Cutting Speed					
		KTX	KVX	KW20	1.5/2.0	2.5	3.0	4.0	5.0	6.0
					f(mm/rev)	f(mm/rev)	f(mm/rev)	f(mm/rev)	f(mm/rev)	f(mm/rev)
P Steel	外圆加工	50-100-130	50-100-130		0.06-0.12	0.07-0.15	0.08-0.20	0.10-0.25	0.12-0.25	0.15-0.25
	内孔端面加工	40-70-100	40-70-100		0.05-0.10	0.06-0.10	0.07-0.12	0.08-0.14	0.10-0.16	0.10-0.18
M Stainless Steel	外圆加工		60-110-150		0.06-0.12	0.07-0.15	0.08-0.20	0.10-0.25	0.12-0.25	0.15-0.25
	内孔端面加工		50-80-120		0.05-0.10	0.06-0.10	0.07-0.12	0.08-0.14	0.10-0.16	0.10-0.18
K Cast iron	外圆加工	50-100-130	50-100-130		0.06-0.12	0.07-0.15	0.08-0.20	0.10-0.25	0.12-0.25	0.15-0.25
	内孔端面加工	40-70-100	40-70-100		0.05-0.10	0.06-0.10	0.07-0.12	0.08-0.14	0.10-0.16	0.10-0.18

Grooving inserts

WD..



刀片外形 Insert shape	型号 Model	尺寸与材质 Size and Grades							
		W	L	R	H	A	KTX	KVX	KW20
	WD22N2.00S-0.2T	2.0	22	0.2	4.0			●	
	WD22N3.00S-0.3T	3.0	22	0.3	4.0			●	
	WD25N4.00S-0.4T	4.0	25	0.4	4.0			●	
	WD25N5.00S-0.4T	5.0	25	0.4	4.0			●	
	WD22R-2.00S-06F	2.0	22		4.0	6		●	
	WD22R-3.00S-06F	3.0	22		4.0	6		●	
	WD22N3.00S-1.5R	3.0	22	1.5	4.0			●	
	WD25N4.00S-2.0R	4.0	25	2.0	4.0			●	
								●	
钢 Steel							★	★	
不锈钢 Stainless Steel								★	
铸铁 Cast Iron							☆	☆	
有色金属 Nonferrous Metal									★
耐热合金 Heat Resistant Alloy								☆	
淬硬钢 Hardened Steel									

★首选 ☆可选

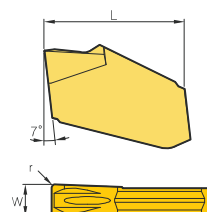
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Recommended Cutting Conditions

Workpiece Materials	加工形式	切削速度推荐值Vc(m/min) Recommended Cutting Speed			切削速度推荐值f(mm/rev) Recommended Cutting Speed			
		KTX	KVX	KW20	2.0	3.0	4.0	5.0
					f(mm/rev)	f(mm/rev)	f(mm/rev)	f(mm/rev)
P Steel	外圆加工	50-100-170	50-100-170		0.06-0.12	0.08-0.20	0.10-0.25	0.12-0.25
	内孔端面加工	40-70-100	40-70-100		0.05-0.10	0.07-0.12	0.08-0.14	0.10-0.16
M Stainless Steel	外圆加工		100-130-170		0.06-0.12	0.08-0.20	0.10-0.25	0.12-0.25
	内孔端面加工		50-80-120		0.05-0.10	0.07-0.12	0.08-0.14	0.10-0.16
K Cast iron	外圆加工	50-100-170	50-100-170		0.06-0.12	0.08-0.20	0.10-0.25	0.12-0.25
	内孔端面加工	40-70-100	40-70-100		0.05-0.10	0.07-0.12	0.08-0.14	0.10-0.16

Grooving inserts

SP..



刀片外形 Insert shape	型号 Model	尺寸与材质 Size and Grades					KTX	KVX	KW20
		W	I	R					
	SP200	2.0	9.3	0.2			●	●	
	SP300	3.0	11.3	0.2			●	●	
	SP400	4.0	11.3	0.25			●	●	
	SP500	5.0	11.4	0.3			●	●	
钢 Steel							★	★	
不锈钢 Stainless Steel								★	
铸铁 Cast Iron							☆	☆	
有色金属 Nonferrous Metal									★
耐热合金 Heat Resistant Alloy								☆	
淬硬钢 Hardened Steel									

★首选 ☆可选

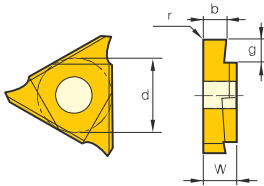
●标准库存 ○订单生产

Recommended Cutting Conditions

Workpiece Materials	加工形式	切削速度推荐值Vc(m/min) Recommended Cutting Speed			切削速度推荐值f(mm/rev) Recommended Cutting Speed					
		KTX	KVX	KW20	2.0	3.0	4.0	5.0		
					f(mm/rev)	f(mm/rev)	f(mm/rev)	f(mm/rev)		
P Steel	外圆加工	60-100-150			0.07-0.12	0.08-0.15	0.09-0.20	0.10-0.25		
M Stainless Steel	外圆加工									
K Cast iron	外圆加工	60-100-150			0.07-0.12	0.08-0.15	0.09-0.20	0.10-0.25		

Grooving inserts

TGF32..



型号 Model	尺寸 Size (mm)		
	d	s	d1
TGF32..	9.525	3.18	4.6

刀片外形 Insert shape	型号 Model	尺寸与材质 Size and Grades				KTX	KVX	KW20
		W	B	R				
	TGF32R033	0.33	0.8	0.05			●	●
	TGF32R050	0.50	1.2	0.05			●	●
	TGF32R075	0.75	2.0	0.1			●	●
	TGF32R095	0.95	2.0	0.1			●	●
	TGF32R100	1.00	2.0	0.1			●	●
	TGF32R120	1.20	2.0	0.1			●	●
	TGF32R125	1.25	2.0	0.1			●	●
	TGF32R150	1.50	2.0	0.1			●	●
	TGF32R175	1.75	2.0	0.1			●	●
	TGF32R200	2.00	2.5	0.1			●	●
	TGF32R250	2.50	2.5	0.1			●	●
	TGF32L033	0.33	0.8	0.05				
	TGF32L050	0.50	1.2	0.05				
	TGF32L075	0.75	2.0	0.1				
	TGF32L095	0.95	2.0	0.1				
	TGF32L100	1.00	2.0	0.1				
	TGF32L120	1.20	2.0	0.1				
	TGF32L125	1.25	2.0	0.1				
	TGF32L150	1.50	2.0	0.1				
	TGF32L175	1.75	2.0	0.1				
TGF32L200	2.00	2.5	0.1					
TGF32L250	2.50	2.5	0.1					
钢 Steel						★	★	
不锈钢 Stainless Steel							★	
铸铁 Cast Iron						☆	☆	
有色金属 Nonferrous Metal								★
耐热合金 Heat Resistant Alloy							☆	
淬硬钢 Hardened Steel								

★首选 ☆可选

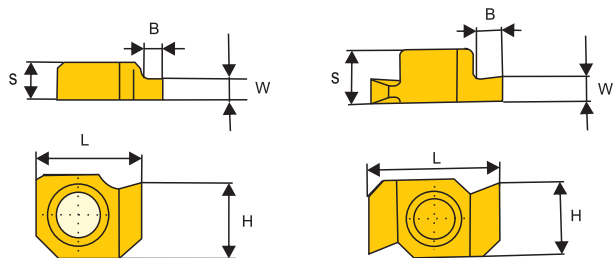
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Recommended Cutting Conditions

Workpiece Materials	加工形式	切削速度推荐值Vc(m/min) Recommended Cutting Speed			切削速度推荐值f(mm/rev) Recommended Cutting Speed			
		KTX	KVX	KW20	0.33-0.50	0.75-0.95	1.00-1.45	1.50-2.50
					f(mm/rev)	f(mm/rev)	f(mm/rev)	f(mm/rev)
P Steel	切槽加工		80-180		0.01-0.05	0.02-0.07	0.03-0.08	0.03-0.08
	横向加工		80-180				0.03-0.06	0.03-0.06
M Stainless Steel	切槽加工		60-130		0.01-0.04	0.2-0.06	0.03-0.07	0.03-0.07
	横向加工		60-130				0.02-0.05	0.02-0.05
K Cast iron	切槽加工			60-100	0.01-0.05	0.02-0.07	0.03-0.08	0.03-0.08
	横向加工			60-100			0.03-0.06	0.03-0.06
N Nonferrous metal	切槽加工			150-400	0.01-0.04	0.02-0.06	0.03-0.08	0.03-0.08
	横向加工			150-400			0.03-0.06	0.03-0.06

Grooving inserts

MLG..



型号 Model	尺寸 Size (mm)	
	S	
MLG10	2.38	
MLG14	4.76	
MLG20	6.35	

Insert shape	Model	Size and Grades					KTX	KVX	KW20
		W	B	R	L	H			
	MLG1012L	1.2	1	0.1	7	5.0		●	●
	MLG1015L	1.5	1	0.1	7	5.0		●	●
	MLG1020L	2.0	1	0.1	7	5.0		●	●
	MLG1415L	1.5	2	0.1	11.8	6.5		●	●
	MLG1420L	2.0	2	0.1	11.8	6.5		●	●
	MLG1430L	3.0	2	0.1	11.8	6.5		●	●
	MLG2020L	2.0	3	0.1	16.8	9.03		●	●
	MLG2030L	3.0	3	0.1	16.8	9.03		●	●
	MLG2040L	4.0	3	0.1	16.8	9.03		●	●
Steel							★	★	
Stainless Steel								★	
Cast Iron							☆	☆	
Nonferrous Metal									★
Heat Resistant Alloy								☆	
Hardened Steel									

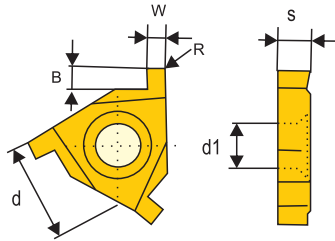
★首选 ☆可选

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Recommended Cutting Conditions

工件材料 Workpiece Materials	加工形式	切削速度推荐值Vc(m/min) Recommended Cutting Speed			切削速度推荐值f(mm/rev) Recommended Cutting Speed			
		KTX	KVX	KW20	1.2-1.5	2.0	3.0	4.0
					f(mm/rev)	f(mm/rev)	f(mm/rev)	f(mm/rev)
P 钢 Steel			60-120		0.02-0.08	0.02-0.08	0.02-0.08	0.02-0.08
M 不锈钢 Stainless Steel			50-100		0.02-0.04	0.02-0.04	0.02-0.04	0.02-0.04

Grooving inserts CUT..



型号 Model	尺寸 Size (mm)		
	d	s	d1
11NR..	6.35	3.1	3.0
16NR..	9.525	3.5	4.0

Insert shape	Model	Size and Grades								
		W	B	R			KTX	KVX	KW20	
	11NR050CUT	0.50	0.8	0.05					●	●
	11NR075CUT	0.75	1.2	0.05					●	●
	11NR100CUT	1.0	1.5	0.1					●	●
	11NR120CUT	1.2	1.8	0.1					●	●
	11NR150CUT	1.5	1.8	0.1					●	●
	16NR050CUT	0.5	1.0	0.05					●	●
	16NR075CUT	0.75	1.5	0.05					●	●
	16NR100CUT	1.0	2.0	0.1					●	●
	16NR150CUT	1.5	2.2	0.1					●	●
	16NR200CUT	2.0	2.3	0.1					●	●
	16NR250CUT	2.5	2.3	0.1					●	●
	16ER050CUT	0.5	1.0	0.05						
	16ER075CUT	0.75	1.5	0.05						
	16ER100CUT	1.0	2.0	0.1						
	16ER150CUT	1.5	2.2	0.1						
	16ER200CUT	2.0	2.3	0.1						
16ER250CUT	2.5	2.3	0.1							
Steel								★	★	
Stainless Steel									★	
Cast iron								☆	☆	
Nonferrous Metal									★	
Heat Resistant Alloy									☆	
Hardened Steel										

★首选 ☆可选

●标准库存 ○订单生产

Recommended Cutting Conditions

Workpiece Materials	加工形式	切削速度推荐值Vc(m/min) Recommended Cutting Speed			切削速度推荐值f(mm/rev) Recommended Cutting Speed			
		KTX	KVX	KW20	0.33-0.50	0.75-0.95	1.00-1.45	1.50-2.50
					f(mm/rev)	f(mm/rev)	f(mm/rev)	f(mm/rev)
P Steel			80-180		0.01-0.05	0.02-0.07	0.03-0.08	0.03-0.08
M Stainless Steel			60-130		0.01-0.04	0.2-0.06	0.03-0.07	0.03-0.07
K Cast iron			60-100		0.01-0.05	0.02-0.07	0.03-0.08	0.03-0.08
N Nonferrous metal			150-400		0.01-0.04	0.02-0.06	0.03-0.08	0.03-0.08