DORMER PRAMET

清焊

2020

PRAMET

目录

功能和优点 4

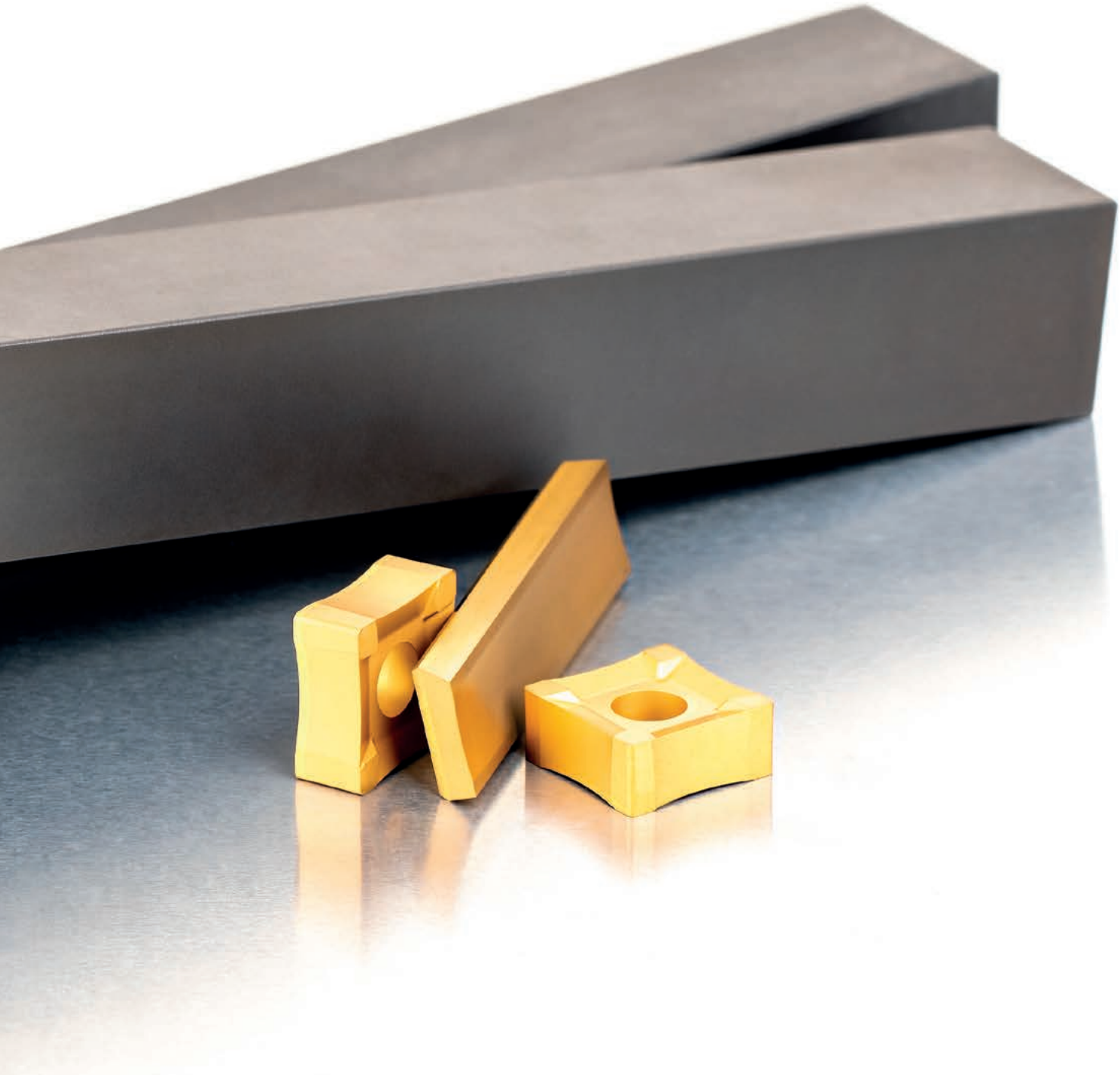
导航工具 9

刀片 10

切削环 16

刀柄 18

技术信息 21



清焊

用于管材外壁和管材内壁的刀具焊缝刨刀

我们提供一系列用于加工焊接管材的刀具，称为焊缝刨刀。这一产品系列包含带有强韧涂层的硬质合金刀片，具有极高的耐热性。切削刃的几何形状确保了出色的管材表面质量，延长了刀具使用寿命。

我们最近新增了一款全新正角刀片焊缝刨刀，用于去除管材外壁上的焊缝。同时，通过为现有产品系列增加不同规格的刀片、切削环和配件，能够更好地满足您的需求。

供应产品

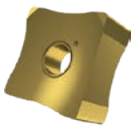
- 用于去除管材外壁焊缝的刀片，可加工的几何尺寸及半径范围非常广泛。
- 用于去除管材内壁焊缝的切削环，可加工的尺寸和等级范围也非常广泛。
- 用于外部焊缝清除加工的刀柄

优点

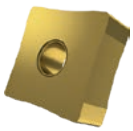
- 高质量表面光洁度 – 得益于切削刃的精度
- 延长刀具使用寿命 - 材质等级具有出色的耐热性和耐崩裂性
- 多用途 - 可提供6640和T9335材质等级
- 加工可靠性 - 稳定的夹持消除了刀片振动

刀片类型

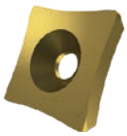
SNMX 15, 19, 25



SNMX 2512, 1507



SNMA 1506, 2509

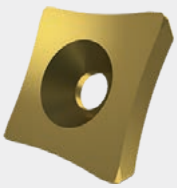


SPUB

LDGN

PSR

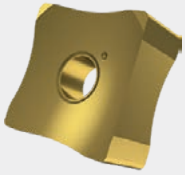
新产品



NEW

SPUB 19

- 正角单刃刀片，11° 隙角
- 四个切削刃



NEW

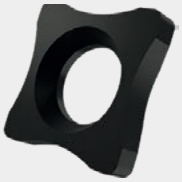
SNMX 1507

- 负角双刃刀片
- 八个切削刃，凹顶

NEW

SNMA 1506

- 负角双刃刀片
- 八个切削刃，平顶



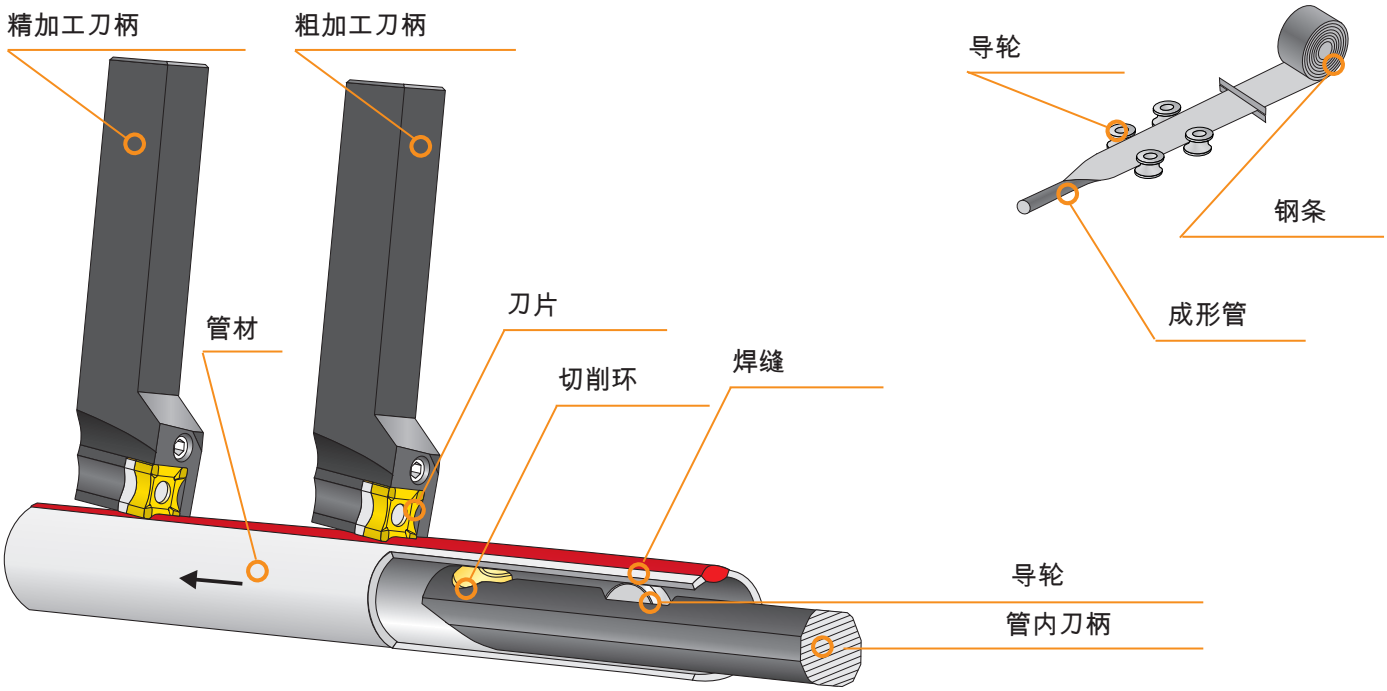
NEW

SNU

- 垫片允许在我们目前提供的刀柄中夹持凹顶刀片SNMX 2512和SNMX 1507。

清焊

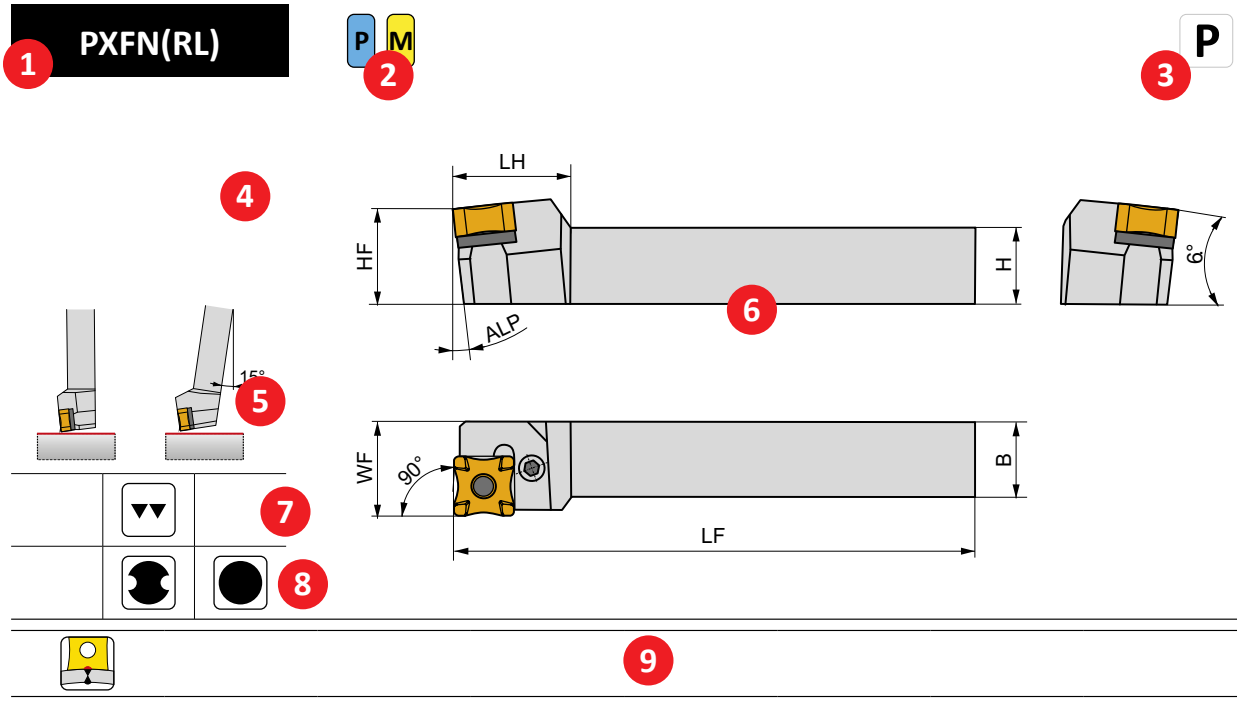
用于管材外壁和管材内壁的刀具焊缝刨刀



针对各种工件管径，应该使用哪种刀片？

VUE D'ENSEMBLE

PXFN(RL)



	H [mm]	B [mm]	HF	WF [mm]	OAL [mm]	LH [mm]	ALP [°]	kg			
PXFNR/L 2525 R 15	25	25	25	25	200	40	6	1,95	GI185	PX 40	AT009
PXFNR/L 2525	25	25	25	[illegible]	250	45	6				
PXFNR/L 3232 S 25	32	32	40	40	250	50	6	2,2	GI199	PX 60	AT010

GI185	SNMX 15-R..
GI186	SNMX 19-R..
GI199	SNMX 25-R..

PX40	SNU 150310-R	PU 03	US 36	MT 07	HXK 4
PX50	SNU 190410-R	PU 05	US 38	MT 06	HXK 5
PX60	SNU 250424-R	PU 06	US 39	MT 08	HXK 5

AT009	SNMX 150708-R..	SNU 150410-CX
AT010	SNMX 251224-R..	SNU 250524-CX

1	车削刀杆规格	7	表面质量	13	刀片组代码 [2]
2	材料组, 刀具用途	8	切削属性 / 工况	14	备件组代码 [2), 3)]
3	刀片夹紧类型	9	刀具技术特点	15	附件组代码 [2), 3)]
4	示例图片 [1]	10	刀杆的ISO代码	16	适用刀片
5	工件的可能形状	11	刀杆的ISO代码 [°]	17	备件
6	刀杆草图	12	重量[kg]	18	附件

[1] 车刀杆以右手刀显示 (R)

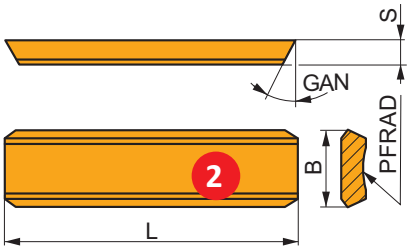
[2] 刀片组, 备件和附件代码仅用于此样册. 不能用于订货.

[3] 备件和附件图标仅是用来理解样本信息. 他们不包含在图标列表里, 某些情况下, 附带扭矩 Nm,螺钉长度和螺纹尺寸.

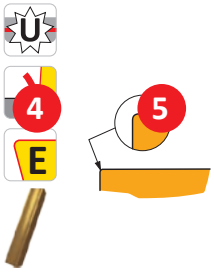
VUE D'ENSEMBLE

1 LDGN

	L	3	B	GAN
13,05	60,00	5,00	15,00	30°



	ISO		P	M	K	N	S	H	PFRAD	ODW
	LDGN 130560-R25	6640	■	■					25	34-45
	LDGN 130560-R30	6640	■	■					30	41-54
	LDGN 130560-R35	6640	■	■					35	48-63
	LDGN 130560-R40	6640	■	■					[illegible]	[illegible]
	LDGN 130560-R45	6640	■	■					[illegible]	[illegible]



1	刀片规格
2	刀片示意图
3	刀片尺寸表[mm]
4	图标 - 特点, 切削刀类型和刀片示意图
5	刃口形状
6	刀片ISO代码
7	材质
8	应用材料组
9	Radius
10	Tube diameter

图标和符号

推荐使用

可以使用

没有图标 - 刀具不推荐用于该材料组的应用, 或没有优势

图标

刀具的通用特点	
P M K N S H / P M K N H S	ISO材料组
▼▼ ▼▼	中等加工 - 良好的表面质量
	不稳定工况
	极不稳定工况
	外圆 scarfing
	内孔 scarfing

图标和符号 - 刀片

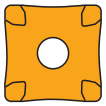
特点	
U	通用宽范围方案
	韧性材料
E	刃口圆弧倒棱
使用条件	
■	主要应用
◪	次要工序
●	稳定工况
	不稳定工况
	非常不稳定工况

导航工具 - ISO刀片

SNMX 15-R

10

SNMX 19-R



11

SNMX 25-R

12

SNMX 1507-R

12

SNMX 2512-R

13

SNMA 1506-R

14

SNMA 2509-R

15

SPUB 19-R

15

LDGN

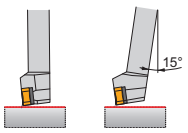
16

PSR

16 -17

导航工具 - 刀具

PXFN(RL) EXT

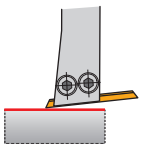


SN..
15 19 25

■	25x25 --- 32x32

18 10-15

XLCD(N) EXT



LDGN
13

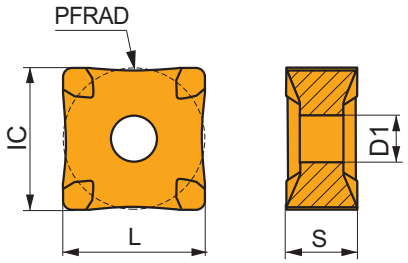
■	25x25

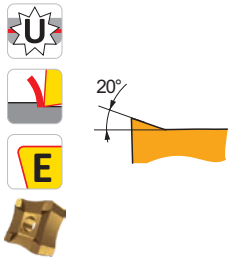
19 16

SNMX 15-R

PRAMET

	L	IC	D1	S
SNMX 15	15,875	15,875	5,16	8,15



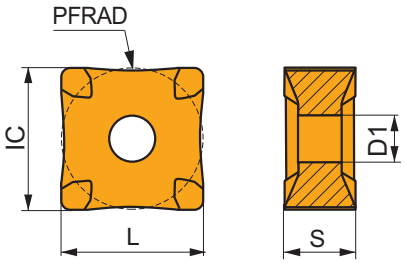


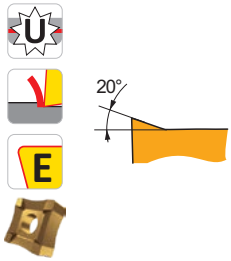
ISO		P	M	K	N	S	H	PFRAD	ODW
SNMX 15-R00	T9335	■	■					0	0-0
SNMX 15-R07	T9335	■	■					7	10-13
	6640	■	■					7	10-12
SNMX 15-R09	T9335	■	■					9	12-16
	6640	■	■					9	12-16
SNMX 15-R11	T9335	■	■					11	15-19
	6640	■	■					11	15-19
SNMX 15-R13	T9335	■	■					13	18-23
	6640	■	■					13	18-23
SNMX 15-R15	T9335	■	■					15	20-27
	6640	■	■					15	20-27
SNMX 15-R18	T9335	■	■					18	24-32
	6640	■	■					18	24-32
SNMX 15-R20	T9335	■	■					20	27-36
	6640	■	■					20	27-36
SNMX 15-R22	T9335	■	■					22	30-39
	6640	■	■					22	30-39
SNMX 15-R25	T9335	■	■					25	34-45
	6640	■	■					25	34-45
SNMX 15-R27	T9335	■	■					27	37-48
	6640	■	■					27	37-48
SNMX 15-R30	T9335	■	■					30	41-54
	6640	■	■					30	41-54
SNMX 15-R35	T9335	■	■					35	48-63
	6640	■	■					35	48-63
SNMX 15-R40	T9335	■	■					40	54-72
	6640	■	■					40	54-72
SNMX 15-R45	T9335	■	■					45	61-81
	6640	■	■					45	61-81
SNMX 15-R50	T9335	■	■					50	68-90
	6640	■	■					50	68-90
SNMX 15-R60	T9335	■	■					60	89-112
	6640	■	■					60	89-112
SNMX 15-R90	6640	■	■					90	133-169

SNMX 19-R

PRAMET

	L	IC	D1	S
SNMX 19	19,050	19,050	7,95	8,15



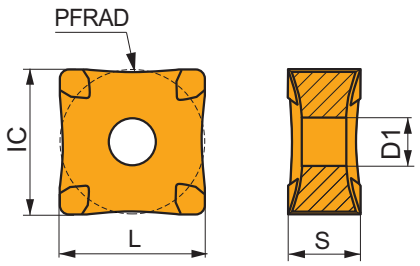


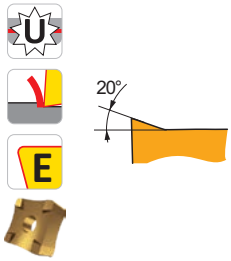
ISO		P	M	K	N	S	H	PFRAD	ODW
SNMX 19-R00	T9335	■	■					0	0-0
SNMX 19-R10	T9335	■	■					10	14-18
	6640	■	■					10	14-18
SNMX 19-R12	T9335	■	■					12	16-21
	6640	■	■					12	16-21
SNMX 19-R15	T9335	■	■					15	20-27
	6640	■	■					15	20-27
SNMX 19-R18	T9335	■	■					18	24-32
SNMX 19-R20	T9335	■	■					20	27-36
	6640	■	■					20	27-36
SNMX 19-R22	T9335	■	■					22	30-39
SNMX 19-R25	T9335	■	■					25	34-45
	6640	■	■					25	34-45
SNMX 19-R30	T9335	■	■					30	41-54
	6640	■	■					30	41-54
SNMX 19-R35	T9335	■	■					35	48-63
	6640	■	■					35	48-63
SNMX 19-R40	T9335	■	■					40	54-72
	6640	■	■					40	54-72
SNMX 19-R45	T9335	■	■					45	61-81
	6640	■	■					45	61-81
SNMX 19-R50	T9335	■	■					50	68-90
	6640	■	■					50	68-90
SNMX 19-R55	T9335	■	■					55	81-103
	6640	■	■					55	81-103
SNMX 19-R60	T9335	■	■					60	89-112
	6640	■	■					60	89-112
SNMX 19-R65	T9335	■	■					65	96-122
	6640	■	■					65	96-122
SNMX 19-R75	T9335	■	■					75	111-141
SNMX 19-R80	T9335	■	■					80	118-150
	6640	■	■					80	118-150
SNMX 19-R85	T9335	■	■					85	126-159
SNMX 19-R90	T9335	■	■					90	133-169
	6640	■	■					90	133-169

SNMX 25-R

PRAMET

	L	IC	D1	S
SNMX 25	25,400	25,400	9,12	12,20



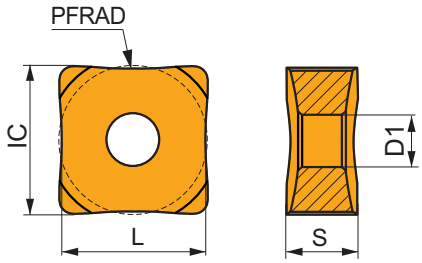


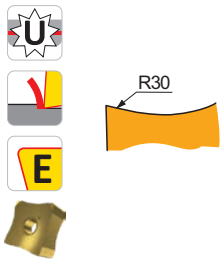
ISO		P	M	K	N	S	H	PFRAD	ODW
SNMX 25-R00	T9335	■	■					0	0-0
SNMX 25-R50	T9335	■	■					50	68-90
SNMX 25-R80	T9335	■	■					80	118-150
	6640	■	■					80	118-150
SNMX 25-R100	T9335	■	■					100	148-188
	6640	■	■					100	148-188
SNMX 25-R120	T9335	■	■					120	178-225
	6640	■	■					120	178-225
SNMX 25-R140	T9335	■	■					140	207-263
	6640	■	■					140	207-263
SNMX 25-R160	T9335	■	■					160	237-300
	6640	■	■					160	237-300
SNMX 25-R180	T9335	■	■					180	266-338
SNMX 25-R200	T9335	■	■					200	296-376
	6640	■	■					200	296-376

SNMX 1507-R

PRAMET

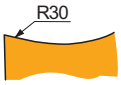
	L	IC	D1	S
1507	15,875	15,875	5,16	7,75





ISO		P	M	K	N	S	H	PFRAD	ODW
SNMX 150708-R09	6640	■	■					9	13-16
SNMX 150708-R11	6640	■	■					11	16-19
SNMX 150708-R13	6640	■	■					13	19-23
SNMX 150708-R15	6640	■	■					15	22-27
SNMX 150708-R18	6640	■	■					18	26-32
SNMX 150708-R20	6640	■	■					20	29-36
SNMX 150708-R22	6640	■	■					22	32-39
SNMX 150708-R25	6640	■	■					25	37-45
SNMX 150708-R27	6640	■	■					27	39-48
SNMX 150708-R30	6640	■	■					30	44-54
SNMX 150708-R35	6640	■	■					35	51-63
SNMX 150708-R40	6640	■	■					40	58-72
SNMX 150708-R42	6640	■	■					42	61-75
SNMX 150708-R45	6640	■	■					45	66-81

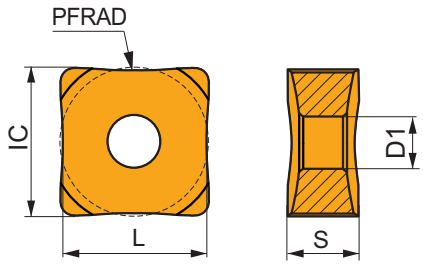
ISO		P	M	K	N	S	H	PFRAD	ODW
SNMX 150708-R50	6640	■	■					50	73-93
SNMX 150708-R60	6640	■	■					60	88-111
SNMX 150708-R65	6640	■	■					65	95-120
SNMX 150708-R70	6640	■	■					70	102-130
SNMX 150708-R75	6640	■	■					75	110-139
SNMX 150708-R80	6640	■	■					80	117-148
SNMX 150708-R90	6640	■	■					90	131-167
SNMX 150708-R100	6640	■	■					100	146-186
SNMX 150708-R105	6640	■	■					105	153-195



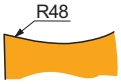
SNMX 2512-R

PRAMET

	L	IC	D1	S
2512	25,400	25,400	9,17	12,00



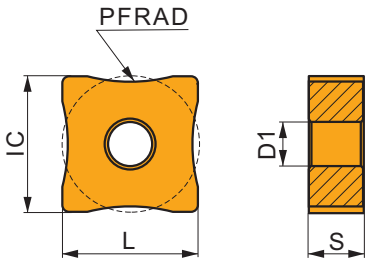
ISO		P	M	K	N	S	H	PFRAD	ODW
SNMX 251224-R00	T9335	■	■					0	0-0
SNMX 251224-R25	T9335	■	■					25	34-45
SNMX 251224-R30	T9335	■	■					30	41-54
SNMX 251224-R35	T9335	■	■					35	48-63
SNMX 251224-R40	T9335	■	■					40	54-72
SNMX 251224-R55	T9335	■	■					55	81-103
SNMX 251224-R80	T9335	■	■					80	118-150
SNMX 251224-R100	T9335	■	■					100	148-188
SNMX 251224-R120	T9335	■	■					120	178-225



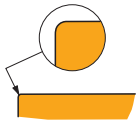
SNMA 1506-R

PRAMET

	L	IC	D1	S
1506	15,875	15,875	5,16	6,35



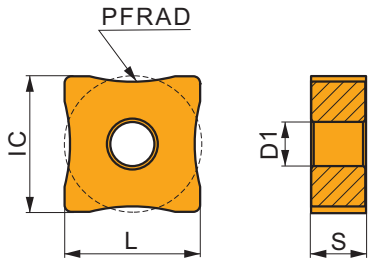
ISO		P	M	K	N	S	H	PFRAD	ODW
SNMA 150608-R09	6640	■	■					9	13-16
SNMA 150608-R11	6640	■	■					11	16-20
SNMA 150608-R13	6640	■	■					13	19-24
SNMA 150608-R15	6640	■	■					15	22-28
SNMA 150608-R18	6640	■	■					18	27-33
SNMA 150608-R20	6640	■	■					20	30-37
SNMA 150608-R22	6640	■	■					22	33-41
SNMA 150608-R25	6640	■	■					25	37-47
SNMA 150608-R27	6640	■	■					27	40-50
SNMA 150608-R30	6640	■	■					30	44-56
SNMA 150608-R35	6640	■	■					35	52-65
SNMA 150608-R40	6640	■	■					40	59-75
SNMA 150608-R42	6640	■	■					42	62-78
SNMA 150608-R45	6640	■	■					45	67-84
SNMA 150608-R50	6640	■	■					50	74-94
SNMA 150608-R60	6640	■	■					60	89-112
SNMA 150608-R65	6640	■	■					65	96-122
SNMA 150608-R70	6640	■	■					70	104-131
SNMA 150608-R75	6640	■	■					75	111-141
SNMA 150608-R80	6640	■	■					80	118-150
SNMA 150608-R90	6640	■	■					90	133-169
SNMA 150608-R105	6640	■	■					105	155-197
SNMA 150608-R120	6640	■	■					120	178-225



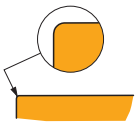
SNMA 2509-R

PRAMET

	L	IC	D1	S
2509	25,400	25,400	9,12	9,52



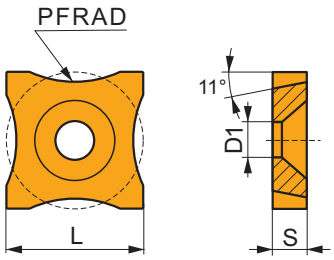
ISO		P	M	K	N	S	H	PFRAD	ODW
SNMA 250924-R00	T9335	■	■					0	0-0
SNMA 250924-R60	T9335	■	■					60	89-112



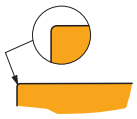
SPUB 19-R

PRAMET

	L	IC	D1	S
SPUB 19	19,050	19,050	5,15	4,75



ISO	ANSI		P	M	K	N	S	H	PFRAD	ODW
SPUB 19-R00 *	SPUB-63-M	T9335	■	■					0	0-0
		6640	■	■					0	0-0
SPUB 19-R12	SPUB-63-B	T9335	■	■					12	18-22
		6640	■	■					12	18-22
SPUB 19-R15	SPUB-63-C	T9335	■	■					15	22-28
		6640	■	■					15	22-28
SPUB 19-R20	SPUB-63-D	T9335	■	■					20	29-37
		6640	■	■					20	29-37
SPUB 19-R25	SPUB-63-E	T9335	■	■					25	37-47
		6640	■	■					25	37-47
SPUB 19-R30	SPUB-63-F	T9335	■	■					30	45-57
		6640	■	■					30	45-57
SPUB 19-R40	SPUB-63-G	T9335	■	■					40	60-76
		6640	■	■					40	60-76
SPUB 19-R50	SPUB-63-H	T9335	■	■					50	75-95
		6640	■	■					50	75-95
SPUB 19-R63	SPUB-63-I	T9335	■	■					63	95-120
		6640	■	■					63	95-120

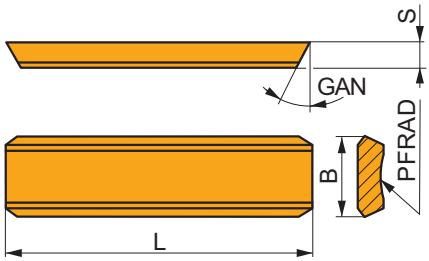


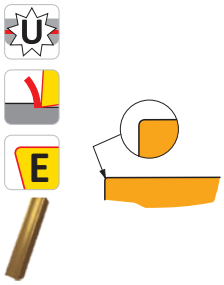
* This insert has 11° positive clearance all around.

LDGN

PRAMET

	L	S	B	GAN
13,05	60,00	5,00	15,00	30°

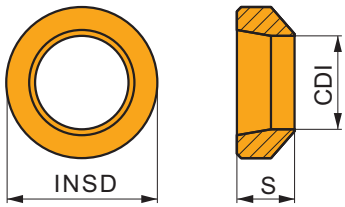




ISO		P	M	K	N	S	H	PFRAD	ODW
LDGN 130560-R25	6640	■	■					25	34-45
LDGN 130560-R30	6640	■	■					30	41-54
LDGN 130560-R35	6640	■	■					35	48-63
LDGN 130560-R40	6640	■	■					40	54-72
LDGN 130560-R45	6640	■	■					45	61-81

PSR

PRAMET



ISO		P	M	K	N	S	H	INSD	CDI	S	PFRAD	IDW
PSR0-R3.5	T9335	■	■					6,0	3,0	3,5	3,4	12-13,5
PSR0-R4	T9335	■	■					6,0	3,5	3,5	4,0	12-14
PSR0-R4.5	T9335	■	■					8,0	4,0	4,0	4,6	13,5-19
	5040	■						8,0	4,0	4,0	4,6	13,5-19
	S45	■						8,0	4,0	4,0	4,6	13,5-19
PSR0/10-R4.5*	T9335	■	■					10,0	4,0	4,0	4,6	13,5-19
PSR0-R5.5	T9335	■	■					8,0	5,0	4,0	5,7	16-20
	5040	■						8,0	5,0	4,0	5,7	16-20
PSR0/10-R5.5*	T9335	■	■					10,0	5,0	4,0	5,7	16-20
PSR0-R6	T9335	■	■					10,0	5,5	4,5	6,3	17-20
	5040	■	◪					10,0	5,5	4,5	6,3	17-20
PSR0-R6.5	T9335	■	■					10,0	6,0	4,5	6,8	17-21
	5040	■						10,0	6,0	4,5	6,8	17-21
	S45	■						10,0	6,0	4,5	6,8	17-21
PSR0-5-R6.5*	T9335	■	■					10,0	6,0	5,0	6,8	17-22
PSR0-R7	T9335	■	■					10,0	6,5	4,5	7,4	17-22
	S45	■						10,0	6,5	4,5	7,4	20-22

ISO		P	M	K	N	S	H	INSD	CDI	S	PFRAD	IDW
PSR1-R7	T9335	■	■					13,0	6,0	5,0	6,8	20-22
	5040	■						13,0	6,0	5,0	6,8	20-22
	S45	■						13,0	6,0	5,0	6,8	20-22
PSR1-R7.5	T9335	■	■					13,0	6,8	5,0	7,8	21-23
PSR1-R8	T9335	■	■					13,0	7,0	5,0	8,0	22-24
	5040	■						13,0	7,0	5,0	8,0	22-24
	S45	■						13,0	7,0	5,0	8,0	22-24
PSR1-R9	T9335	■	■					13,0	8,0	5,0	9,1	24-26
	5040	■						13,0	8,0	5,0	9,1	25-28
	S45	■						13,0	8,0	5,0	9,1	25-28
PSR1-R10	T9335	■	■					13,0	9,0	5,0	10,2	25-28
	5040	■						13,0	9,0	5,0	10,2	25-28
	S45	■						13,0	9,0	5,0	10,2	25-28
PSR2-R9	T9335	■	■					19,0	8,0	8,0	9,1	24-26
PSR2-R10	T9335	■	■					19,0	9,0	8,0	10,2	26-28
	5040	■						19,0	9,0	8,0	10,2	26-28
	S45	■						19,0	9,0	8,0	10,2	26-28
PSR2-R11	T9335	■	■					19,0	10,0	8,0	11,4	28-30
	5040	■						19,0	10,0	8,0	11,4	28-30
	S45	■						19,0	10,0	8,0	11,4	28-30
PSR2-R12	T9335	■	■					19,0	11,0	8,0	12,5	30-34
	5040	■						19,0	11,0	8,0	12,5	30-34
	S45	■						19,0	11,0	8,0	12,5	30-34
PSR2-R13	T9335	■	■					19,0	11,9	8,0	13,5	31-35
PSR2-R14	T9335	■	■					19,0	12,5	8,0	14,3	32-41
PSR3-R12	T9335	■	■					22,0	11,0	10,0	12,5	30-34
PSR3-R14	T9335	■	■					22,0	12,0	10,0	13,7	32-41
	5040	■						22,0	12,0	10,0	13,7	32-41
	S45	■						22,0	12,0	10,0	13,7	32-41
PSR3-R17	T9335	■	■					22,0	15,0	10,0	17,1	36-41
	5040	■						22,0	15,0	10,0	17,1	36-41
	S45	■						22,0	15,0	10,0	17,1	36-41
PSR4-R20	T9335	■	■					30,0	17,0	12,0	19,4	41-50
PSR4-R23	T9335	■	■					30,0	20,0	12,0	22,8	48-57
	5040	■						30,0	20,0	12,0	22,8	48-57
	S45	■						30,0	20,0	12,0	22,8	48-57
PSR5-R25	T9335	■	■					35,0	22,0	12,0	25,1	70-85
	5040	■						35,0	22,0	12,0	25,1	70-85
	S45	■						35,0	22,0	12,0	25,1	70-85
PSR5-R28	T9335	■	■					35,0	25,0	12,0	28,5	85-100
	5040	■						35,0	25,0	12,0	28,5	85-100
	S45	■						35,0	25,0	12,0	28,5	85-100
PSR6-R34	T9335	■	■					45,0	30,0	15,0	34,2	100-130
	5040	■						45,0	30,0	15,0	34,2	100-130
	S45	■						45,0	30,0	15,0	34,2	100-130
PSR7-R39	T9335	■	■					50,0	35,0	15,0	39,5	125-140
	S45	■						50,0	35,0	15,0	39,5	125-140
PSR8-R46	T9335	■	■					55,0	40,0	18,0	45,6	140-180
	5040	■						55,0	40,0	18,0	45,6	140-180

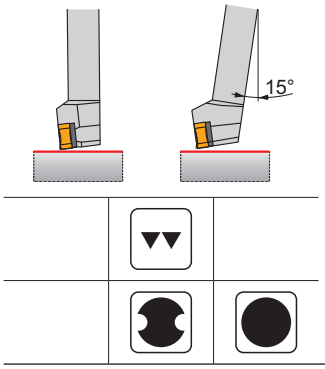
* 环后，无标准尺寸
* INSD，S - 改进型

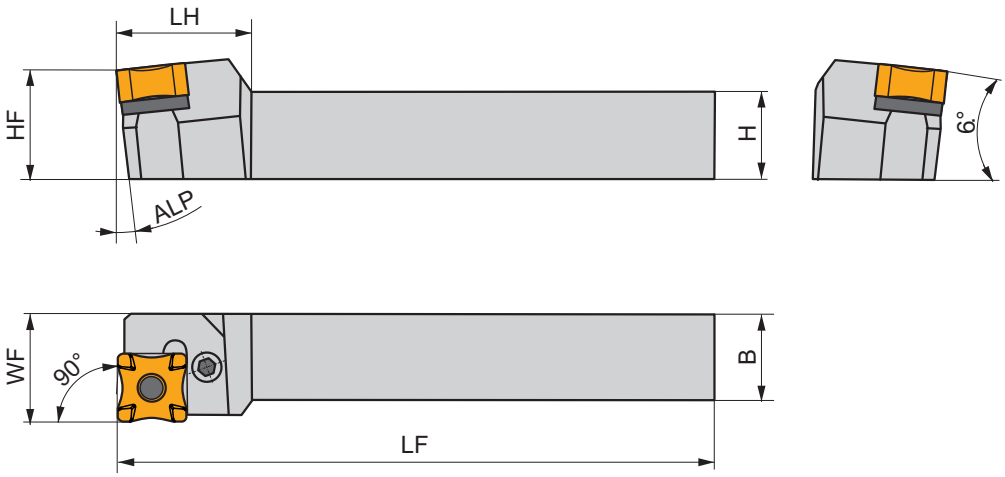
PXFN(RL)

P M

PRAMET

P





	H [mm]	B [mm]	HF	WF [mm]	LF [mm]	LH [mm]	ALP [°]	kg			
PXFNR/L 2525 R 15	25	25	25	25	200	40	6	1,05	GI185	PX 40	AT009
PXFNR/L 2525 S 19	25	25	25	25	250	45	6	1,3	GI186	PX 50	-
PXFNR/L 3232 S 25	32	32	40	40	250	50	6	2,2	GI199	PX 60	AT010
PXFNR/L 2525 R 15/15	25	25	25	25	200	40	20	1,05	GI185	PX 40	AT009
PXFNR/L 2525 S 19/15	25	25	25	25	250	50	20	1,3	GI186	PX 50	-

GI185	SNMX 15-R..
GI186	SNMX 19-R..
GI199	SNMX 25-R..

				Nm					
PX40	SNU 150310-R	PU 03	US 36	6,0	M8x1	26	NT 05	MT 07	HXK 4
PX50	SNU 190410-R	PU 05	US 38	8,0	M10x1	29	NT 06	MT 06	HXK 5
PX60	SNU 250424-R	PU 06	US 47	8,0	M12x1	36	NT 08	MT 08	HXK 5

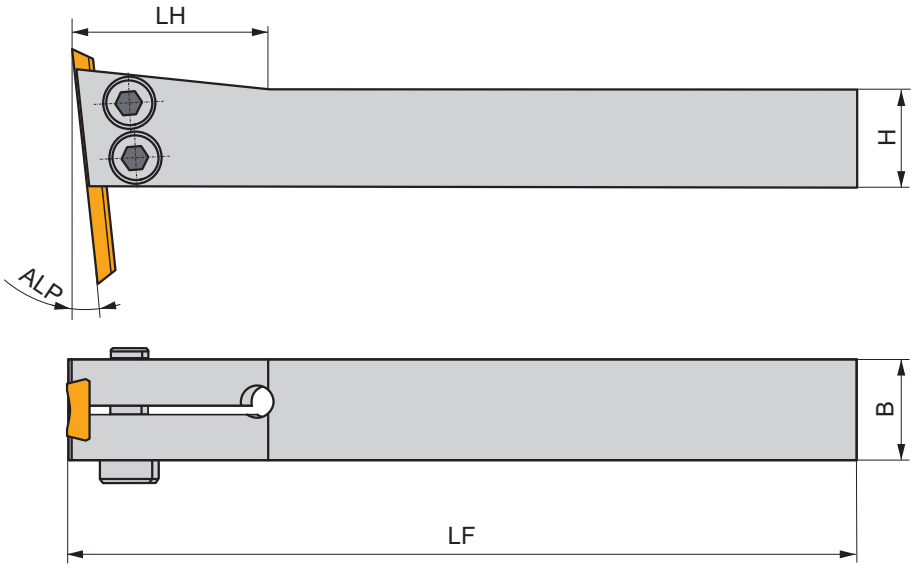
AT009	SNMX 150708-R..	SNU 150410-CX
AT010	SNMX 251224-R..	SNU 250524-CX

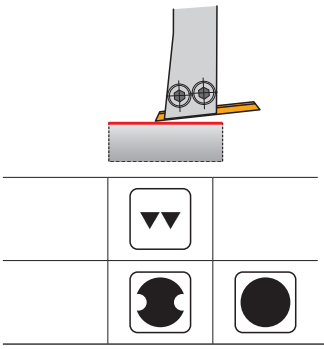
XLCDN

P M

PRAMET

P





	H [mm]	B [mm]	LF [mm]	LH [mm]	ALP [°]	kg		
XLCDN 2525 R 15	25	25	200	50	6	1,10	GI187	PX10

GI187	LDGN 130560…

PX10	HS 0825	M8	25	HXK 6

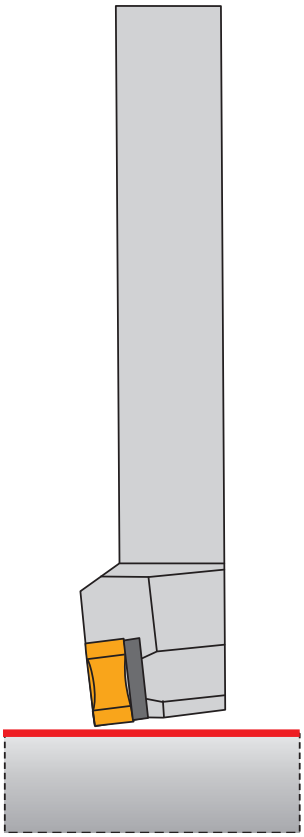
技术部分

焊缝刨刀等级

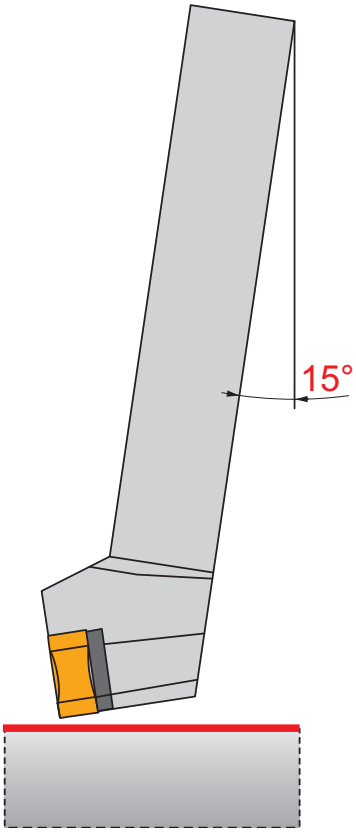
材质	ISO应用范围	适用工况	进给范围	线速度范围	不稳定工况适用性	基体	涂层	颜色	冷却优势	多用途	高速管材铣削	低速管材铣削
T9335	P20 - P45	■				FGM	MT-CVD		+ + +	✓	✓	
	M15 - M40	■										
6640	P20 - P45	■				H	MT-CVD		+ + +	✓		✓
	M15 - M40	■										
5040	P30 - P45	■				S	MT-CVD		+ +	✓		✓
	M30 - M40	□										
S45	P30 - P45	◪			+	S	X		+ +			✓
	M30 - M40	□										

基体		涂层	
H	WC-Co基体	**MT-CVD**	中温CVD涂层
FGM	功能梯度基体	×	无涂层材质
S	立方碳化钨基材		

PXFN(RL) - 根据刀头倾斜度提供不同刀柄



PXFN(RL) ...



PXFN(RL) ... /15

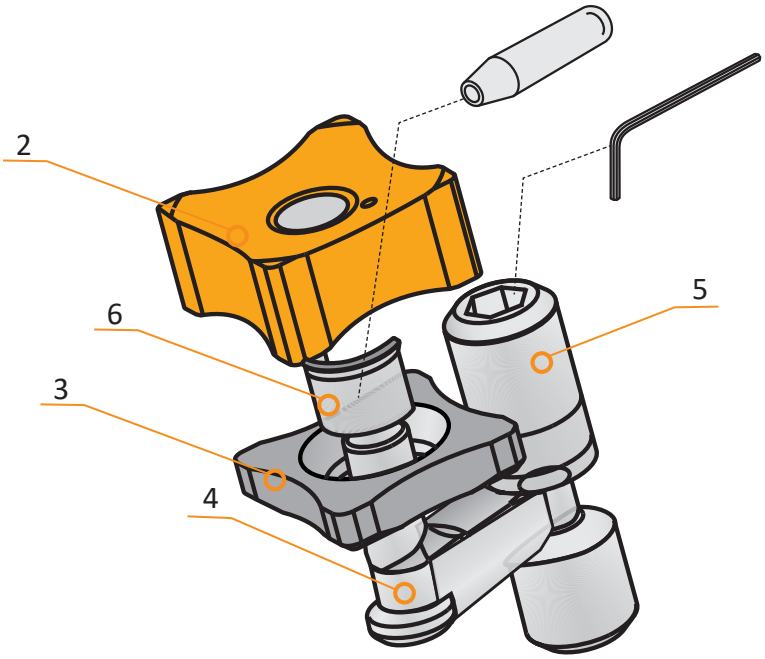
LDGN – 用于再次研磨的刀片

60毫米刀片总长可进行多次研磨，最小加工长度可到25毫米，确保了长使用寿命。

通过研磨刀片，可以方便地修改前角（或多或少的正角），以优化清焊流程。

适用于小截面清焊。

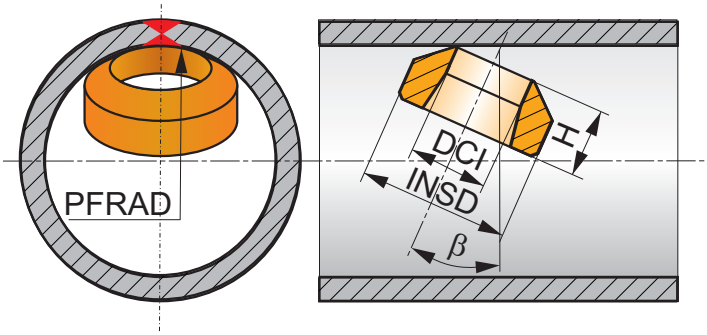
PXFN(RL) - 根据刀片形状提供各种备件



1	2	3	4	5	6	7	8
PXFNR/L 2525 R 15 PXFNR/L 2525 R 15/15	SNMX 15-Rxx SNMX 150708-Rxx	SNU 150310-R SNU 150410-CX	PU 03	US 36	NT 07	MT 07	HXK 4
PXFNR/L 2525 S 19 PXFNR/L 2525 S 19/15	SNMX 19-Rxx	SNU 190410-R	PU 05	US 38	NT 06	MT 06	HXK 5
PXFNR/L 3232 S 25	SNMX 25-Rxx SNMX 251224-Rxx	SNU 250424-R SNU 250524-CX	PU 06	US 47	NT 08	MT 08	HXK 5

清焊环 - 如何计算加工半径**PFRAD**

加工半径PFRAD 接触圆DCI



$$\textbf{PFRAD} = \frac{DCI}{2x\sin\beta}$$

DCI - 内环直径

β - 环旋转角度

SIMPLY RELIABLE

作为你可以通过切屑判断工件质量的专业公司。该切屑是清洁和简单的形状这本身就在讲述了一个故事。这是一个清晰和一致的信号，这就是为什么我们使用它作为简洁可靠的符号。

Argentina
T: 54 (11) 6777-6777
F: 54 (11) 4441-4467
info.ar@dormerpramet.com

Austria
T: +31 10 2080 240
info.at@dormerpramet.com

Belgium & Luxembourg
T: +32 3 440 59 01
info.be@dormerpramet.com

Brazil
T: +55 11 5660 3000
info.br@dormerpramet.com

Canada
T: (888) 336 7637
En Français: (888) 368 8457
F: (905) 542 7000
cs.canada@dormerpramet.com

China
T: +86 21 2416 0508
info.cn@dormerpramet.com

Croatia
T: +385 98 407 489
info.hr@dormerpramet.com

Czech Republic
T: +420 583 381 111
F: +420 583 215 401
info.cz@dormerpramet.com

Denmark
T: 808 82106
info.se@dormerpramet.com

Finland
T: 0205 44 7003
info.fi@dormerpramet.com

France
T: +33 (0)2 47 62 57 01
F: +33 (0)2 47 62 52 00
info.fr@dormerpramet.com

Germany
T: +49 9131 933 08 70
F: +49 9131 933 08 742
info.de@dormerpramet.com

Hungary
T: +36-96 / 522-846
F: +36-96 / 522-847
info.hu@dormerpramet.com

India
T: +91 11 4601 5686
info.in@dormerpramet.com

Italy
T: +39 02 30 70 54 44
info.it@dormerpramet.com

Kazakhstan
T: +7 771 305 11 45
info.kz@dormerpramet.com

Mexico
T: +52 (555) 7293981
F: +52 (555) 7293981
cs.mexico@dormerpramet.com

Netherlands
T: +31 10 2080 240
info.nl@dormerpramet.com

Norway
T: 800 10 113
info.se@dormerpramet.com

Poland
T: +48 32 78-15-890
F: +48 32 78-60-406
info.pl@dormerpramet.com

Portugal
T: +351 21 424 54 21
info.pt@dormerpramet.com

Romania
T: +4(0)730 015 885
info.ro@dormerpramet.com

Russia
T: +7 (495) 775 10 28
Ф: +7 (499) 763 38 90
info.ru@dormerpramet.com

Slovakia
T: +421 (41) 764 54 60
F: +421 (41) 763 74 49
info.sk@dormerpramet.com

Slovenia
T: +385 98 407 489
info.si@dormerpramet.com

Spain
T: +34 935717722
info.es@dormerpramet.com

Sweden
responsible for **Iceland**
T: +46 35 16 52 96
info.se@dormerpramet.com

Switzerland
T: +31 10 2080 240
info.ch@dormerpramet.com

Turkey
T: +90 533 212 45 47
info.tr@dormerpramet.com

Ukraine
T: +38 056 736 30 21
F: +38 067 220 97 48
info.ua@dormerpramet.com

United Kingdom
responsible for **Ireland**
T: 0870 850 4466
F: 0870 850 8866
info.uk@dormerpramet.com

United States of America
T: (800) 877-3745
F: (847) 783-5760
cs@dormerpramet.com

Other countries

South America
T: +55 11 5660 3000
info.br@dormerpramet.com

Adria
T: +420 583 381 527
F: +420 583 381 401
info.rcee@dormerpramet.com

Rest of the World
Dormer Pramet International UK
T: +44 1246 571338
F: +44 1246 571339
info.int@dormerpramet.com

Dormer Pramet International CZ
T: +420 583 381 520
F: +420 583 215 401
info.int.cz@dormerpramet.com

PRA-BRO-SCARFING-2020-CN

www.dormerpramet.com
youtube.com/dormerpramet
facebook.com/dormerprametsocial
linkedin.com/company/dormerpramet
twitter.com/dormerpramet
instagram.com/dormerprametsocial

DORMER PRAMET