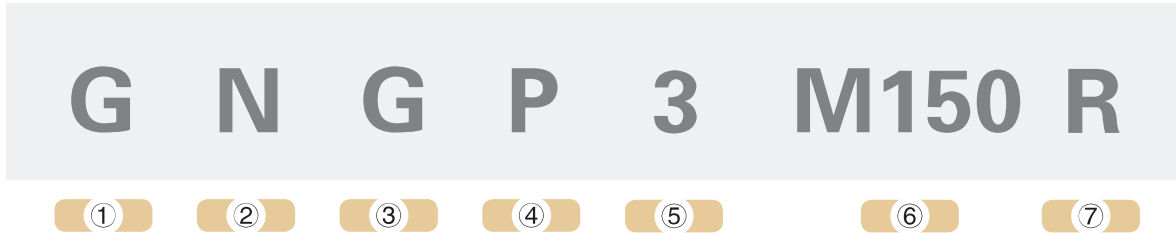


G-Notch 槽刀片命名规则

G-Notch Grooving Insert Identification System




① 公司代号 Company Mark
G=GESAC

② 刀片型号 Type of Insert
N=Notch

③ 刀片类型 Insert Style
G=Grooving 切槽 R=Full Radius 圆头

④ 附加信息 Additional Information
P=Positive 正向前角 □=Flat 无前角

⑤ 刀片尺寸 Insert Size
mm inch
2 3.81 .150
3 4.95 .195


⑥ 槽宽尺寸 Groove Size
Metric 公制: M150 = 1.5mm
Inch 英制: 125 = .125inch

⑦ 刀片方向 Hand of Insert
R=Right Hand 右手
L=Left Hand 左手

G N T P 3 R

①

②

③

④

⑤

⑥

① 公司代号 Company Mark
G=GESAC

② 刀片型号 Type of Insert
N=Notch

③ 螺纹类型 Insert Style
T=60° V Thread 60° 通用螺纹

④ 附加信息 Additional Information
P=Positive 正向前角

⑤ 刀片尺寸 Insert Size		
	mm	inch
2	3.81	.150
3	4.95	.195



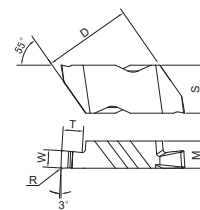
⑥ 刀片方向 Hand of Insert
R=Right Hand 右手
L=Left Hand 左手

切槽刀片
Grooving Inserts

GNGP

切槽正前角刀片

Grooving Positive Rake Inserts



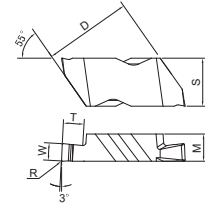
订货号 Ordering Code	尺寸 Dimensions(mm)						刀片尺寸 Insert Size	库存 Stock		
	W	R	T	S	M	D		GM3125	GA4230	GS3115
GNGP2M100L	1.00	0.09	1.27	5.56	3.81	8.74	2			●
GNGP2M100R	1.00	0.09	1.27	5.56	3.81	8.74	2			●
GNGP2047L	1.19	0.09	1.27	5.56	3.81	8.74	2	●		
GNGP2047R	1.19	0.09	1.27	5.56	3.81	8.74	2	●		
GNGP2M150L	1.50	0.19	2.79	5.56	3.81	8.74	2			●
GNGP2M150R	1.50	0.19	2.79	5.56	3.81	8.74	2			●
GNGP2062L	1.57	0.19	2.79	5.56	3.81	8.74	2	●		
GNGP2062R	1.57	0.19	2.79	5.56	3.81	8.74	2	●		
GNGP2M170L	1.70	0.19	2.79	5.56	3.81	8.74	2			●
GNGP2M170R	1.70	0.19	2.79	5.56	3.81	8.74	2			●
GNGP2070L	1.78	0.19	2.79	5.56	3.81	8.74	2	●		
GNGP2078L	1.98	0.19	2.79	5.56	3.81	8.74	2	●		
GNGP2078R	1.98	0.19	2.79	5.56	3.81	8.74	2	●		
GNGP2M200L	2.00	0.19	2.79	5.56	3.81	8.74	2			●
GNGP2M200R	2.00	0.19	2.79	5.56	3.81	8.74	2			●
GNGP2M220L	2.20	0.19	2.79	5.56	3.81	8.74	2		○	
GNGP2M220R	2.20	0.19	2.79	5.56	3.81	8.74	2	●		
GNGP2094L	2.38	0.19	2.79	5.56	3.81	8.74	2	●		
GNGP2094R	2.38	0.19	2.79	5.56	3.81	8.74	2	●	●	●
GNGP2M250L	2.50	0.19	2.79	5.56	3.81	8.74	2			●
GNGP2M250R	2.50	0.19	2.79	5.56	3.81	8.74	2			●
GNGP2125L	3.18	0.19	2.79	5.56	3.81	8.74	2	●		
GNGP2125R	3.18	0.19	2.79	5.56	3.81	8.74	2	●		
GNGP3031L	0.79	0.09	1.27	8.74	4.95	16.1	3	●		
GNGP3031R	0.79	0.09	1.27	8.74	4.95	16.1	3	●		
GNGP3M100L	1.00	0.19	1.91	8.74	4.95	16.1	3	●		
GNGP3M100R	1.00	0.19	1.91	8.74	4.95	16.1	3	●		
GNGP3047L	1.19	0.19	1.91	8.74	4.95	16.1	3	●		



切槽刀片
Grooving Inserts

GNGP

切槽正前角刀片
Grooving Positive Rake Inserts



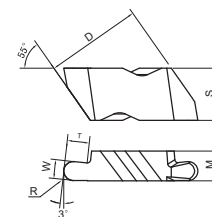
订货号 Ordering Code	尺寸 Dimensions(mm)						刀片尺寸 Insert Size	库存 Stock		
	W	R	T	S	M	D		GM3125	GA4230	GS3115
GNGP3M150L	1.50	0.19	2.39	8.74	4.95	16.1	3		●	
GNGP3M150R	1.50	0.19	2.39	8.74	4.95	16.1	3	●	●	●
GNGP3062L	1.58	0.19	2.39	8.74	4.95	16.1	3	●		
GNGP3062R	1.58	0.19	2.39	8.74	4.95	16.1	3	●		
GNGP3070L	1.78	0.19	2.39	8.74	4.95	16.1	3	●		
GNGP3078L	1.98	0.19	2.39	8.74	4.95	16.1	3	●		
GNGP3078R	1.98	0.19	2.39	8.74	4.95	16.1	3	●		
GNGP3M200L	2.00	0.19	2.39	8.74	4.95	16.1	3	●		
GNGP3M200R	2.00	0.19	2.39	8.74	4.95	16.1	3	●		
GNGP3094L	2.39	0.19	3.81	8.74	4.95	16.1	3	●		
GNGP3094R	2.39	0.19	3.81	8.74	4.95	16.1	3	●	●	●
GNGP3M250L	2.50	0.19	3.81	8.74	4.95	16.1	3	●		
GNGP3M250R	2.50	0.19	3.81	8.74	4.95	16.1	3	●		
GNGP3M300L	3.00	0.19	3.81	8.74	4.95	16.1	3	●		
GNGP3M300R	3.00	0.19	3.81	8.74	4.95	16.1	3	●		
GNGP3125L	3.18	0.19	3.81	8.74	4.95	16.1	3	●		
GNGP3125R	3.18	0.19	3.81	8.74	4.95	16.1	3	●	●	●
GNGP3M350L	3.50	0.19	3.81	8.74	4.95	16.1	3	●		
GNGP3M350R	3.50	0.19	3.81	8.74	4.95	16.1	3	●		




●标准库存 Stock ○需预定 Available upon Order

切槽刀片
Grooving Inserts

GNR
切槽圆头刀片
Full Radius Inserts



订货号 Ordering Code	尺寸 Dimensions(mm)						刀片尺寸 Insert Size	库存 Stock			
	W	R	T	S	M	D		GM3125	GA4230	GS3115	
	GNR3M100L	2.00	1.00	2.39	8.74	4.95	16.10	3		○	
	GNR3M100R	2.00	1.00	2.39	8.74	4.95	16.10	3	●		
	GNR3M150L	3.00	1.50	3.81	8.74	4.95	16.10	3		○	
	GNR3M150R	3.00	1.50	3.81	8.74	4.95	16.10	3	●		
	GNR3062L	3.18	1.59	3.81	8.74	4.95	16.10	3		○	
	GNR3062R	3.18	1.59	3.81	8.74	4.95	16.10	3	●		

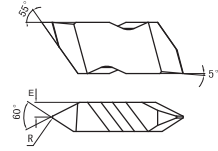
●标准库存 Stock ○需预定 Available upon Order


螺纹刀片
Threading Inserts

GNTP

60° 通用螺纹刀片,带前角

60° Partial Profile Threading Inserts With Positive Top Rake



订货号 Ordering Code	尺寸 Dimensions(mm)						刀片尺寸 Insert Size	库存 Stock			
	R	E	螺距 Pitch					GM3125	GA4230	GS3115	
			外牙 External mm	内牙 Internal mm	外牙 External TPI	内牙 Internal TPI					
	GNTP2L	0.10	1.91	0.70-3.00	1.25-3.50	8-36	7-20	2	●		
	GNTP2R	0.10	1.91	0.70-3.00	1.25-3.50	8-36	7-20	2	●		
	GNTP3L	0.17	2.49	1.25-4.00	2.00-5.00	4-20	5-12	3	●		
	GNTP3R	0.17	2.49	1.25-4.00	2.00-5.00	4-20	5-12	3	●		
	GNTP3004L	0.10	2.49	1.25-4.00	2.00-5.00	5-36	5-12	3		○	
	GNTP3004R	0.10	2.49	1.25-4.00	2.00-5.00	5-36	5-12	3	●		

● 标准库存 Stock ○ 需预定 Available upon Order

G-Notch 外圆刀杆命名规则

G-Notch External Holder Identification System

G N S R 2525 M 3

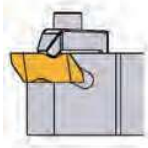
① ② ③ ④ ⑤ ⑥ ⑦

① 公司代号
Company Mark

G=GESAC

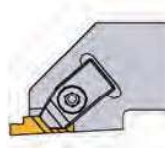
② 夹紧方式
Clamping System

N=Notch



③ 刀片装夹位置
Insert Mounting Location

S=Side
侧装



④ 刀具方向
Hand of Tool

L=Left Hand
左手



R=Right Hand
右手



⑤ 刀柄尺寸
Shank Size


宽 Width	高 Height
12	12
16	16
20	20
25	25
32	32

⑥ 刀柄长度
Shank Length

D	60
E	70
F	80
H	100
K	125
M	150
P	170
Q	180
R	200

⑦ 刀片尺寸
Insert Size

	mm	inch
2	3.81	.150
3	4.95	.195



G N A R 25 M 3

①

②

③


④

⑤

⑥

⑦

①公司代号 Company Mark
G=GESAC

②夹紧方式 Clamping System
N=Notch


③刀杆类型 Insert Mounting Location
A=Steel With Coolant 带内冷孔的钢制刀杆
S=Steel Without Coolant 不带内冷孔的钢制刀杆

④刀具方向 Hand of Tool
L=Left Hand 左手

R=Right Hand 右手


⑤刀柄尺寸 Shank Size
12 = 12 mm
16 = 16 mm
20 = 20 mm
25 = 25 mm
32 = 32 mm

⑥刀柄长度 Shank Length	
D	60
E	70
F	80
H	100
K	125
M	150
P	170
Q	180
R	200

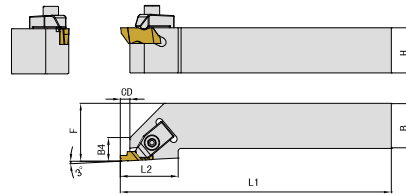
⑦刀片尺寸 Insert Size		
	mm	inch
2	3.81	.150
3	4.95	.195



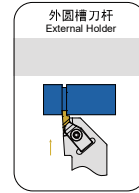
注意：左手内圆刀杆使用右手刀片，右手内圆刀杆使用左手刀片
Note: Left hand bars use right hand inserts, Right hand bars use left hand inserts.

外圆刀杆
External Holder

GNSR/L



Right hand show

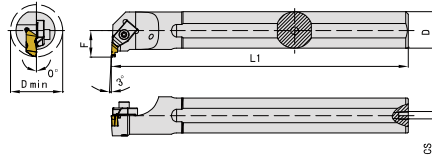


订货号 Ordering Code	尺寸 Dimensions(mm)							匹配 刀片 Gauge Insert	配件 Spare Parts			库存 Stock
	H	B	F	L1	L2	B4	CD		压板 Clamp	螺钉 Screw	扳手 Wrench	
GNSR1616H2	16	16	20	100	19	9	3.5	GN.2R	720500762978	730109003291	720309000813	●
GNSR2020K2	20	20	25	125	19	9	3.5	GN.2R	720500762978	730109003291	720309000813	●
GNSR2525M2	25	25	32	150	19	9	3.5	GN.2R	720500762978	730109003291	720309000813	●
GNSR2020K3	20	20	25	125	32	13	5.3	GN.3R	720500762980	730109003295	720309000814	●
GNSR2525M3	25	25	32	150	32	13	5.3	GN.3R	720500762980	730109003295	720309000814	●
GNSL1616H2	16	16	20	100	19	9	3.5	GN.2L	720500762979	730109003291	720309000813	●
GNSL2020K2	20	20	25	125	19	9	3.5	GN.2L	720500762979	730109003291	720309000813	●
GNSL2525M2	25	25	32	150	19	9	3.5	GN.2L	720500762979	730109003291	720309000813	●
GNSL2020K3	25	20	25	125	32	13	5.3	GN.3L	720500762981	730109003295	720309000814	●
GNSL2525M3	25	25	32	150	32	13	5.3	GN.3L	720500762981	730109003295	720309000814	●

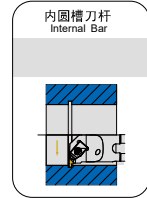
●标准库存 Stock ○需预定 Available upon Order

内圆刀杆 Internal Bar

GNAR/L



Right hand show



订货号 Ordering Code	尺寸 Dimensions(mm)					匹配 刀片 Gauge Insert	配件 Spare Parts			库存 Stock
	D	D min	L1	F	CS		压板 Clamp	螺钉 Screw	扳手 Wrench	
GNAR20Q2	20	26	180	13	1/8-27 NPT	GN.2L	720500762979	730109003290	720309000813	●
GNAR25R2	25	34	200	17	1/4-18 NPT	GN.2L	720500762979	730109003290	720309000813	●
GNAR25R3	25	34	200	17	1/4-18 NPT	GN.3L	720500762981	730109003294	720309000814	●
GNAL20Q2	20	26	180	13	1/8-27 NPT	GN.2R	720500762978	730109003290	720309000813	●
GNAL25R2	25	34	200	17	1/4-18 NPT	GN.2R	720500762978	730109003290	720309000813	●
GNAL25R3	25	34	200	17	1/4-18 NPT	GN.3R	720500762980	730109003294	720309000814	●

●标准库存 Stock ○需预定 Available upon Order

注意：左手内圆刀杆使用右手刀片，右手内圆刀杆使用左手刀片
Note: Left hand bars use right hand inserts, Right hand bars use left hand inserts

G-Notch系列浅槽刀

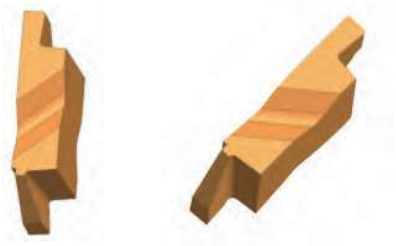
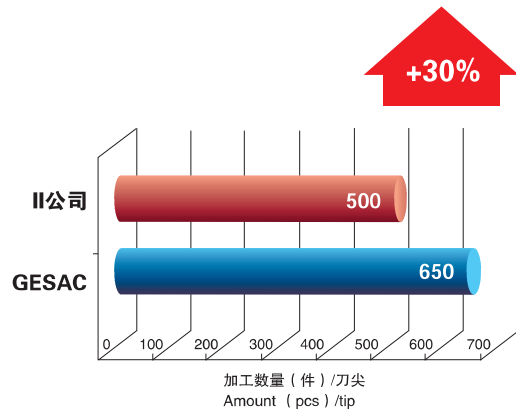
G-Notch series shallow grooving

加工案例

Case Studies

Case 1

工件材质 Workpiece Material	碳钢 Carbon steel
加工方式 Processing way	内圆槽、低进给、油冷 Internal grooving、low feed、oil
切削参数 Cutting Parameters	Vc=130m/min, f=0.08mm/r
使用刀片 Inserts	GNGP3125R GA4230



Case 2

工件材质 Workpiece Material	不锈钢 Stainless
加工方式 Processing way	外圆槽、低进给、水冷 external grooving、low feed、wet
切削参数 Cutting Parameters	Vc=140m/min, f=0.08mm/r
使用刀片 Inserts	GNGP3M150R GA4230

