

NEW
2005 EDITION



Spiral Mill-Thread

螺旋式螺纹铣刀

SRH



Spiral toolholders and inserts
for smooth cutting

螺旋式螺纹铣刀杆和刀片用于光滑切削



Carmex
Precision Tools Ltd.

Metric

特别设计的螺纹铣刀杆和刀片

Specially designed Mill-Thread inserts and toolholders

NEW

The new spiral designed tools enable smooth cutting operations at high feed rates and reduced machining time. The tools are suitable for a wide range of applications, from small components in small machining centers to heavy-duty applications in high power milling machines.



H23 Toolholder

H23刀杆

Ordering Code	Insert Size A	D	D1	L	L1	No. of Inserts	Screw	Key
SRH23-2	27	23	25	110	50	2	S23	K21

H23 Threading Inserts

H23螺纹铣刀片

ISO ISO

Pitch mm	Ordering Code	Thread Size
1.0	H23 1.0 ISO	≥ M26
1.5	H23 1.5 ISO	≥ M27
2.0	H23 2.0 ISO	≥ M28
3.0	H23 3.0 ISO	≥ M30

For internal thread

UN UN

Pitch TPI	Ordering Code	Thread Size
24	H23 24 UN	≥ 1"
16	H23 16 UN	≥ 1 1/16"
12	H23 12 UN	≥ 1 1/8"
8	H23 8 UN	≥ 1 3/16"

For internal thread

WHITWORTH 英制惠氏螺纹

Pitch TPI	Ordering Code	Thread Size
11	H23-11 W	≥ G 1"

Same insert for internal and external thread

BSPT 英制BSPT锥管螺纹

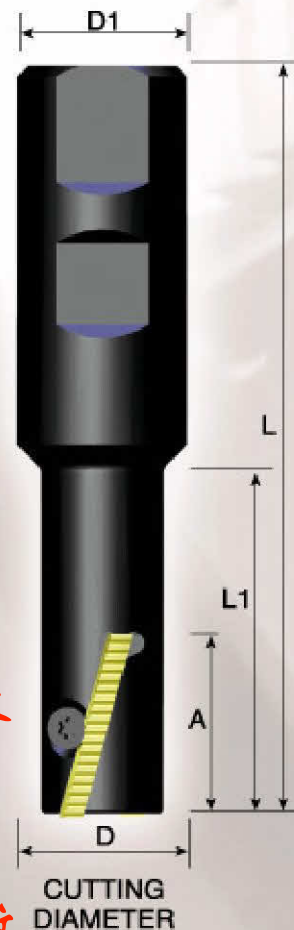
Pitch TPI	Ordering Code	Thread Size
11	H23-11 BSPT	≥ 1" BSPT

Same insert for internal and external thread

NPT 美制NPT锥管螺纹

Pitch TPI	Ordering Code	Thread Size
11.5	H23-11.5 NPT	1"-2" NPT

Same insert for internal and external thread



NEW

- Spiral fluted toolholders hold 2 to 9 inserts in a comparatively small cutting diameter.
螺旋槽刀杆安装2-9刀片切削比较小的直径
- The unique clamping method enables optimal indexability.
独特的夹持方法能够获得最优的性能
- These tools reduce vibration and chatter.
这些刀具减少振动和颤动
- High grade finish is achieved in all applications: threading, roughing and finishing.
高质量完成全部螺纹的粗和精加工
- MT7 Sub-Micron Grade with Titanium Aluminium Nitride multi-layer coating (ISO K10 - K20). This is a general purpose grade, which can be used with all materials.
MT7亚微颗粒级带TiAlN多级涂层 (ISO K10-K20)这是通用级，能够加工全部材料

H32 Toolholder

H32 螺纹铣刀杆

Ordering Code	Insert Size A	D	D1	L	L1	No. of Inserts	Screw	Key
SRH32-5	32	32	32	130	60	5	S32	K22

H32 Threading Inserts

H32 螺纹铣刀片

ISO ISO

Pitch mm	Ordering Code	Thread Size
1.5	H32 I 1.5 ISO	≥ M35
2.0	H32 I 2.0 ISO	≥ M36
3.0	H32 I 3.0 ISO	≥ M38
4.0	H32 I 4.0 ISO	≥ M40

For internal thread

UN UN

Pitch TPI	Ordering Code	Thread Size
16	H32 I 16 UN	≥ 1 3/8"
12	H32 I 12 UN	≥ 1 7/16"
8	H32 I 8 UN	≥ 1 1/2"
6	H32 I 6 UN	≥ 1 9/16"

For internal thread

WHITWORTH 英制惠氏螺纹

Pitch TPI	Ordering Code	Thread Size
11	H32-11 W	Internal ≥ G 1 1/8" External ≥ G 1"

Same insert for internal and external thread

BSPT 英制BSPT锥管螺纹

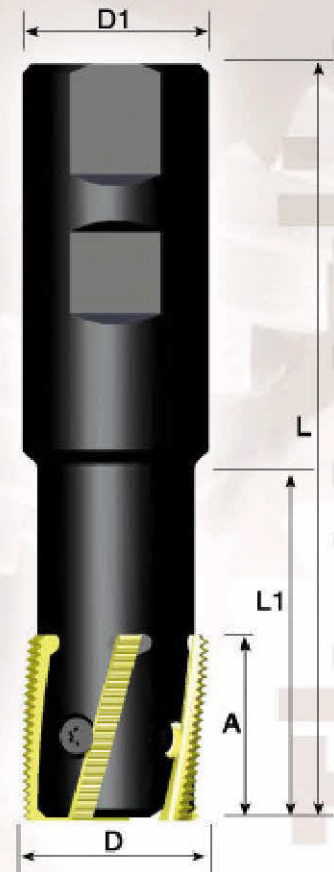
Pitch TPI	Ordering Code	Thread Size
11	H32-11 BSPT	Internal ≥ 1 1/8" BSPT External ≥ 1" BSPT

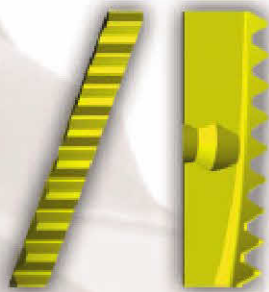
Same insert for internal and external thread

NPT 美制NPT锥管螺纹

Pitch TPI	Ordering Code	Thread Size
11.5	H32-11.5 NPT	Internal 1 1/4"-2" NPT External 1"-2" NPT

Same insert for internal and external thread





SPIRAL INSERTS HAVE ONE CUTTING EDGE

螺旋刀片有一个切削刃

H45 Toolholder

H45螺纹铣刀杆

Ordering Code	Insert Size A	D	D1	L	No. of Inserts	Screw	Key
SRH45-6	37	45	32	130	6	S45	K40

H45 Threading Inserts

H45螺纹铣刀片

ISO ISO

Pitch mm	Ordering Code	Thread Size
1.5	H45 I 1.5 ISO	≥ M50
2.0	H45 I 2.0 ISO	≥ M50
3.0	H45 I 3.0 ISO	≥ M56
4.0	H45 I 4.0 ISO	≥ M56

For internal thread

UN UN

Pitch TPI	Ordering Code	Thread Size
16	H45 I 16 UN	≥ 2"
12	H45 I 12 UN	≥ 2"
8	H45 I 8 UN	≥ 2 1/4"
6	H45 I 6 UN	≥ 2 1/4"

For internal thread

WHITWORTH 英制惠氏螺纹

Pitch TPI	Ordering Code	Thread Size
11	H45-11 W	Internal ≥ G 1 3/4" External ≥ G 1"

Same insert for internal and external thread

BSPT 英制BSPT锥管螺纹

Pitch TPI	Ordering Code	Thread Size
11	H45-11 BSPT	Internal ≥ 1 3/4" BSPT External ≥ 1" BSPT

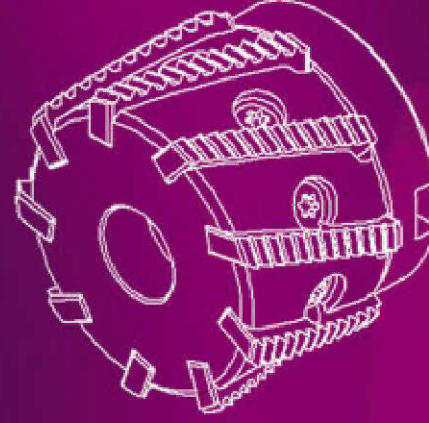
Same insert for internal and external thread

NPT 美制NPT锥管螺纹

Pitch TPI	Ordering Code	Thread Size
11.5	H45-11.5 NPT	Internal 2" NPT External 1"-2" NPT

Same insert for internal and external thread





H63 Toolholder H63螺纹铣刀杆

Ordering Code	Insert Size A	D	D1	L	No. of Inserts	Screw	Key
SRH63-9	38	63	22	50	9	S63	K40

H63 Threading Inserts

H63螺纹铣刀片

ISO ISO

Pitch mm	Ordering Code	Thread Size
1.5	H63 I 1.5 ISO	$\geq M70$
2.0	H63 I 2.0 ISO	$\geq M70$
3.0	H63 I 3.0 ISO	$\geq M75$
4.0	H63 I 4.0 ISO	$\geq M75$

For internal thread

UN UN

Pitch TPI	Ordering Code	Thread Size
16	H63 I 16 UN	$\geq 2 \frac{3}{4}"$
12	H63 I 12 UN	$\geq 2 \frac{3}{4}"$
8	H63 I 8 UN	$\geq 3"$
6	H63 I 6 UN	$\geq 3"$

For internal thread

WHITWORTH 英制惠氏螺纹

Pitch TPI	Ordering Code	Thread Size
11	H63-11 W	Internal $\geq G 2 \frac{1}{2}"$ External $\geq G 1"$

Same insert for internal and external thread

BSPT 英制BSPT锥管螺纹

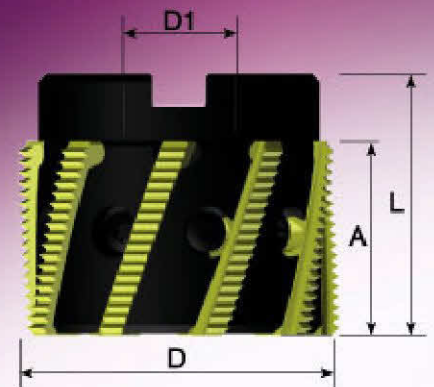
Pitch TPI	Ordering Code	Thread Size
11	H63-11 BSPT	Internal $\geq 2 \frac{1}{2}"$ BSPT External $\geq 1"$ BSPT

Same insert for internal and external thread

NPT 美制NPT锥管螺纹

Pitch TPI	Ordering Code	Thread Size
11.5	H63-11.5 NPT	External $\geq 1"$ NPT

For external thread



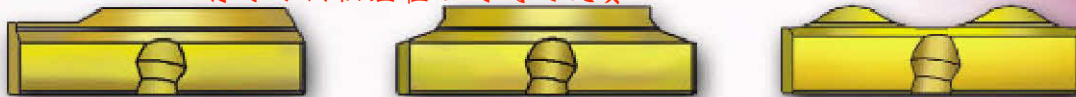
SPIRAL INSERTS HAVE ONE CUTTING EDGE



Special Tools

In addition to standard products, Carmex manufactures special tools and inserts according to customers' requests. The toolholders are multi-purpose, making them suitable for both roughing and finishing inserts. Special tools are supplied in short delivery times.

Carmex根据需求向客户提供特殊刀片
使它们适合粗和精加工的刀杆和刀片
特殊刀具供应在短时间内交货



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