

MASTER



修边倒角专用工具系列

DEBURRING TOOLS



锦美嘉机具有限公司
Kobeco Machine Tools Sdn Bhd

2012/2016

Since 1992

产品介绍 Introduction

尊敬的客户您好：在选购本产品前后，请务必仔细阅读本产品介绍。

My respectable users, before and after you buying this production, please read the introduction carefully

一、本产品适用行业：

A、机械制造业：机械加工、汽车制造、造船、冲压、模具、板焊、维修等各类生产厂家。

B、塑料制造行业：注塑、吸塑、塑钢门窗、刻字、广告品制作、及玻璃制品、陶瓷制品。

C、铸造行业：铸铁、铸钢、压铸、浇铸等。

D、木制品制造行业：家具制作、各类木制品生产维修等。

本产品应用广泛，适用于各行业及家庭必备之工具。

A. mechanical manufacturing industry: mechanical processing, automobile manufacturing, shipbuilding, Stamping, mould, welding, repairing, etc.

B. plastic manufacturing industry: injection moulding, plastic sucking, plastic steel doors and windows, lettering machining, productions, glassware and ceramics.

C. manufacturing industry: iron casting, steel casting, die casting, casting , etc.

D. Wood products manufacturing industry: furniture manufacturing, various wood products manufacturing and repairing.

This production, which is fit for all work of life and necessary of the family, has been widely used.

二、本产品功能：

本产品专门为您解决产品在机械加工之后，最终工序-毛刺清除、毛边倒角，它可以应用在任何形状，如凸形、圆形、方形、扁圆形、各类沟槽、直线形、曲线形、圆孔、扁孔、交叉孔等极易产生毛刺部位的毛刺清除及毛边倒角，提高您的产品质量，降低生产成本。

Function of the production

This production is used for the final procedure- deburring in the machining, which can be used in any shape such as convexity, rotundity, squareness, oblate, various groove, linearity, curvilinear, circular hole, flat hole, branch hole where are easy to produce deburring.

Advance the quality and reduce operating costs.

三、本产品的适用加工材质：

A、各种普通钢材、不锈钢、铸铁、铸钢等黑色金属。

B、各种铝材、锌、铅等有色金属。

C、各类塑料制品：塑钢门窗、有机玻璃、塑料管件、板料等各类塑料品。

D、各类木制品

E、玻璃、陶瓷制品。

Fit for materials

A. Various ordinary steel, stainless steel, cast iron, cast steel, etc. black metal.

B. All kinds of aluminous material, zinc, lead, etc. nonferrous metals

C. All kinds of plastic products: plastic steel doors and windows, organic glass, plastic tube, sheet metal, etc.

D. All kinds of woodwork

E. Glass products and ceramic

四、产品质量保证：

本产品选用优质材料，保证其强度、韧性、刚性，外型设计合理，手握合适，手感好。

本产品伸缩杆、联刀杆，选用优质合金钢制作，保证其刚性，弹性，增强使用寿命。

本产品刀片，采用优质高速钢，刀刃根据不同部位合理的设计切削角度，经过专机制作成型，经高温淬火处理，硬度达HRC62-64，刀刃锋利，刮削顺畅，提高使用寿命。

为特殊用户需要，超硬材质，采用含钴高速钢或镀钛、镀金刚砂等处理，增强刀刃硬度，解决如淬火、不锈钢、玻璃、陶瓷等产品的毛边清除。

Quality guarantee of the production:

This production is made of high quality material, which intensity, tenacity and rigidity are guaranteed. The design of exterior is in reason and the tool handle is suitable and soft.

The holders and arbor of the production are made of high quality alloy steel, which rigidity, elasticity are guaranteed and prolong its service life.

The material of the blade is HSS. The edge of the blade is made by special machine, which handle with high temperature quench and the rigidity can reach HRC62°-64°. The edge is sharp , cut smoothly and prolong its service life.

五、本产品分类:

为方便您选购本产品, 本产品以产品适用功能用英文字母A-Z区别型号, 每种型号中分为若干编号, 以区别手柄款式及刀片应用范围, 您可以参阅我公司产品样本, 来选购您所喜欢和使用需要的手柄及刀片。

Different sorts of the production

For your convenience, we divide the blade into different types by English letter A-Z according to the different functions, and then again every type can be divided into serial number in order to distinguish the application scope. You can refer your fancy and required tool holder and blades to our catalogue.

六、本产品包装款式:

根据不同的用户需要, 本产品在设计中分为: A、单支包装; B、便携包装; C、纸卡套装; D、银质套装; E、金质套装; F、单独刀片纸卡套装等, 您在选购时可参阅本样本订货。

Package of the production:

According to the different needs of the customers, the package can be divided into different kinds: A single package; B portable package; C paperboard set package; D silver set package; E golden set package; F single blade paperboard set package and so on. Please refer to the catalogue when you are purchasing.

七、友情提示:

- A、本产品不同型号应用专业性强, 选购时务必选准型号, 以免造成浪费。
- B、本产品手柄属塑料制作, 存放时应远离高温区, 以免手柄变形。
- C、本产品属切削刀具, 刀刃锋利, 在安装、拆卸刀片时务必注意安全, 以防伤人。
- D、严禁儿童及非专业人士持有, 以免造成伤害。
- E、为提高本产品质量, 达到用户满意, 本公司不断研发改进, 技术改动恕不通知。
- F、本产品属本公司专利产品, 专利保护, 侵权必究。

Friendly suggestions

- A. The different type of the production is specialty. Please choose the right type when you are buying lest run to waste.
- B. The holder of the production is made of plastic. Please lay it away from high temperature area lest it transmutes
- C. These productions belong to cutting tools and the edge of knife is sharp. Please take care when you are fixing and disassembly lest hurt.
- D. The children and unprofessional prohibit using, lest hurt.
- E. Our corporation would improve the production continuously aiming at advance the quality and make our customers feel satisfaction. Technique is subject to change without further notice
- F. Our factory has applied patent for the products. All Rights Reserved.

欢迎您选购本公司修边倒角专用工具系列产品!

它将会给您带来使用中的乐趣!

他定能是您获得丰厚的财富!

You are welcome to buy our serious professional production of deburring tools!

You can get joy from using our production!

You can make a fortune!

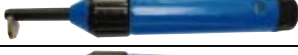
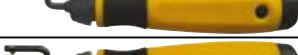
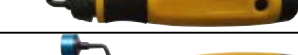
修边倒角专用工具系列 是您的好帮手！



专利保护，侵权必究



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A型、B型-万能倒角修边刀

A, B TYPE Universal Deburring Cutter

- A型、B型应用功能基本相同。A型为重型，刀片直径 $\phi 3.2$ ；B型为轻型，刀片直径 $\phi 2.6$ 。A型、B型同属万能型倒角、修边器，适用于工件任何形状：



等进行倒角、修边，设计有10种款式，9种不同角度的刀片，是业内人士首选及必备之工具。

The applied function of Type A and B is basically the same. Type A is heavy-duty with blade diameter 3.2. Type B is light-duty with diameter 2.6. Both are universal deburring edge and can be used in any shape of the workpiece.

These have ten types, nine blades with different angle, which are the industry's first choice and an essential instrument.

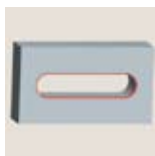
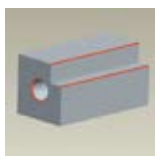


A型-重型万能修边倒角刀 $\phi 3.2$



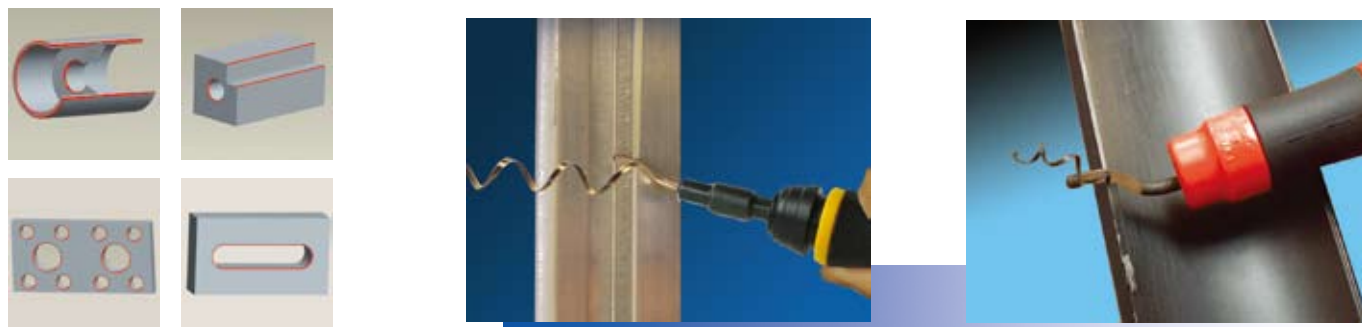
Order No.	配带刀片A型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0001	ES100	1	无	
480-0002	ES200	1	无	
480-0003	ES300	1	无	
480-0004	ES150	1	无	
480-0005	E100	1	无	
480-0006	E200	1	无	
480-0007	E300	1	无	
480-0008	E150	1	无	
480-0009	E100	1	无	
	E200	1		
480-0010	E100	1	无	
	E200	1		
480-0011	E100	1	280-2001A	
	E200	1		

伸缩范围
Range 6-125mm

A型-重型万能修边倒角刀 $\phi 3.2$ 

Order No.	配带刀片A型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0012	ES100	1	280-2002AS	 伸缩范围 Range 6-125mm
	ES200	1		
480-0013	ES100	1	无	
	ES200	1		
480-0014	E100	1	无	 $\phi 3.2\text{ mm}$ $\phi 2.6\text{ mm}$
	B10	1		
480-0015	E100	1	无	
480-0016	E100	1	无	
480-0017	E100	1	280-2001A	
	E200	1		
	E300	1		

B型-轻型万能修边倒角刀 $\phi 2.6$



Order No.	配带刀片 B 型		配用伸缩 刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0100	B10	1	280-2003B	 伸缩范围 6-125mm Range
	B20	1		
480-0101	BS10	1	280-2004BS	 伸缩范围 6-125mm Range
	BS20	1		
480-0102	BS10	1	无	
	BS20	1		
480-0103	BS10	1	无	
480-0104	BS20	1	无	
480-0105	BS30	1	无	
480-0106	B10	1	280-2003B	
	B20	1		

C型-内圆孔倒角刀

C Type -Internal Circle Cutter

- C型是专用于内圆孔的倒角，设计有3种款式，倒角范围：从0- $\varnothing 30$ 。共有7种规格刀具，供用户选用。

Type C is been used for internal circle cutter specially, which has three designs for your selection. Deburring range: 0- $\varnothing 30$.



C型-内圆孔倒角刀



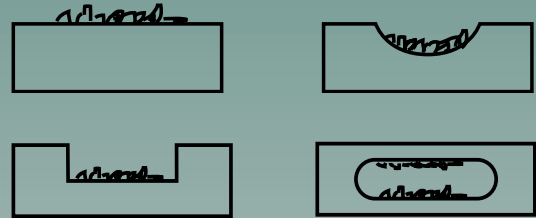
Order No.	配带刀片 C 型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0200	CA-6 Range 1-6mm	1	280-2006CA/L	
480-0201	CA-10 Range 1-10mm	1		
480-0202	CA-14 Range 1-14mm	1		
480-0203	CA-18 Range 1-18mm	1		
480-0204	C-12 Range 1-12mm	1	280-2005C/B	
480-0205	C-20 Range 1-20mm	1		
480-0206	C-30 Range 1-30mm	1		
480-0207	C-12 Range 1-12mm	1	无	
480-0208	C-20 Range 1-20mm	1		
480-0209	C-30 Range 1-30mm	1		

D型-三角刮削修复刀

D Type Triangular Scraper

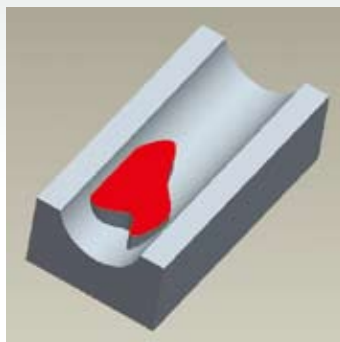
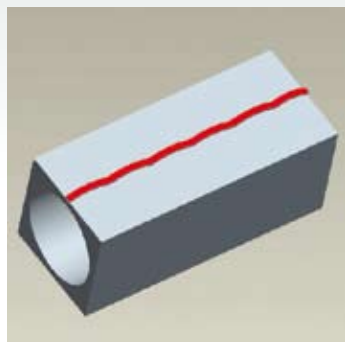


● D型专用于工件

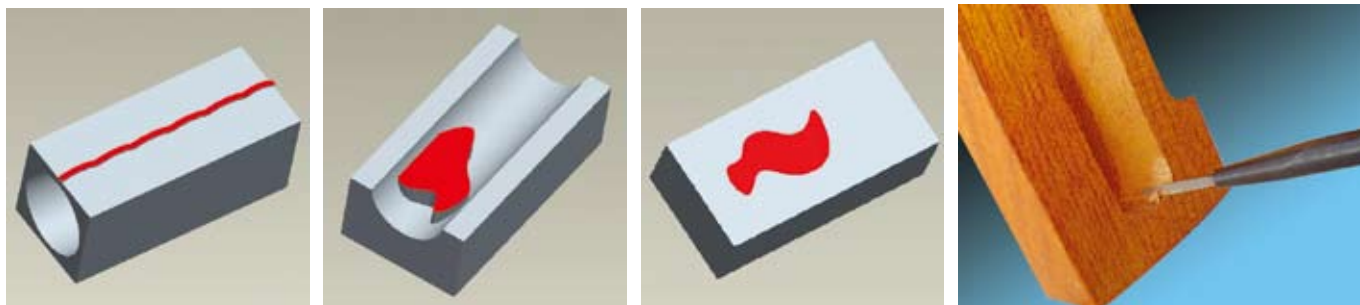


形状的刮削、修复、刮研、清除毛刺、倒角等。
根据不同需要，可选择D20、D25、D30、D40刀片

Type D is used for workpiece specially.
It is used for scraping, repairing, you can
choose from D20, D25, D30, D40 according to
your different needs.



D型-三角刮削修复刀



Order No.	配带刀片D型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0300	D20	1	280-2007D	
480-0301	D25	1	280-2007D	
480-0302	D30	1	280-2007D	
480-0303	D40	1	280-2007D	

Order No.	配带刀片D型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0304	D20	1	无	
480-0305	D25	1	无	
480-0306	D30	1	无	
480-0307	D40	1	无	

E型、F型-直曲线倒角修边刀

E,F Type linearity & Curvilinear Deburring Tool

- E型专用于铁板：  形状的
直线型、曲线形工件的倒角、清除毛刺。

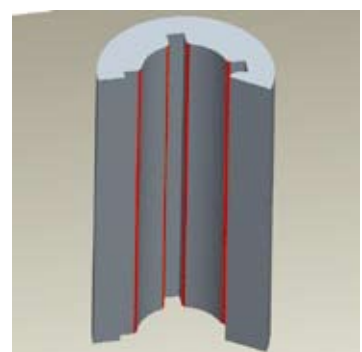
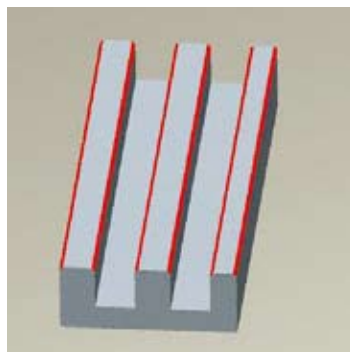
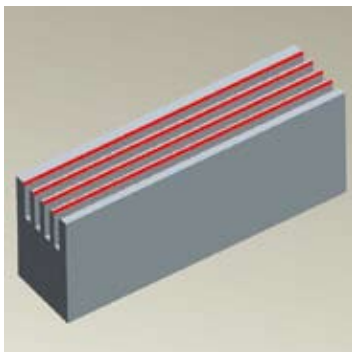
刀片设计共4种规格，用户可根据需要选购。

E-type dedicated to linearity, curvilinear deburring and removal of burr. There are four specifications for your purchasing.

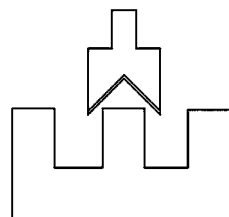
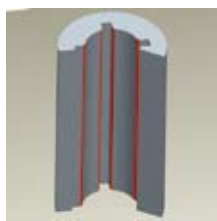
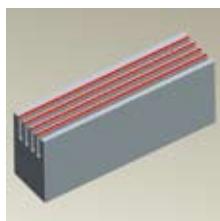
- F型专用于不同宽窄沟槽：  形状
的直曲线工件的倒角、清除毛刺清除。

刀片设计共4种规格，用户可根据需要选购。

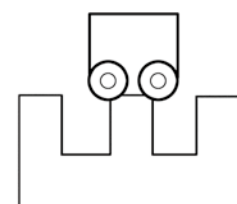
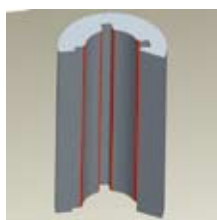
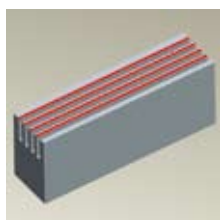
F-type dedicated to workpiece deburring and removal of burr. There are four specifications for your purchasing.



E型-凸型直曲线倒角修边刀

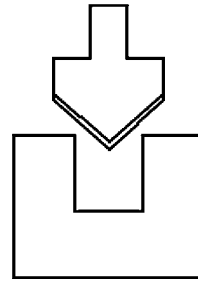
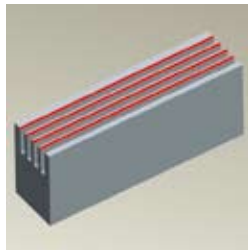


Order No.	配带刀片 E型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0400	V3 Range 1-3mm	1	280-2010EH	
480-0401	V8 Range 1-8mm	1	280-2010EH	
480-0402	V13 Range 3-13mm	1	280-2010EH	
480-0403	V16 Range 5-16mm	1	280-2010EH	

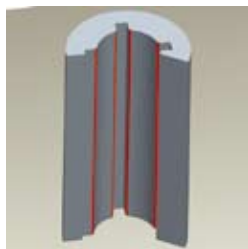


Order No.	配带刀片 E型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0404	N80K11/24	1对	无	

F型-凹型直曲线倒角修边刀



Order No.	配带刀片 F 型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0500	Λ3 Range 1-3mm	1	280-2010EH	
480-0501	Λ8 Range 1-8mm	1	280-2010EH	
480-0502	Λ13 Range 3-13mm	1	280-2010EH	
480-0503	Λ16 Range 5-16mm	1	280-2010EH	



Order No.	配带刀片 F 型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0504	N80K	1	280-2009K	

G型、H型-R面修形刀

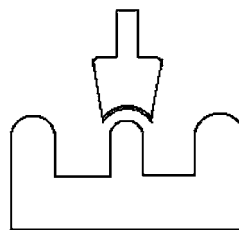
Type G and H- R Surface Modification Cutter

- G型专用于  形R沟，H型专用于  形R形的修复、刮研、清除毛刺。刀片设计3种规格，用户可根据需要R型订制。

Type G is used for R groove, H-type dedicated to R groove deburring and removal of burr.
There are three specifications for your purchasing.

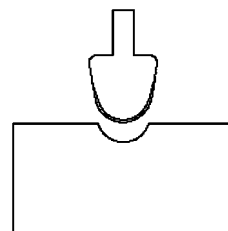
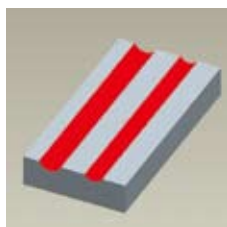


G型-凸 R面修形刀



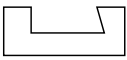
Order No.	配带刀片G型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0600	RV4 Range R4	1	280-2010EH	
480-0601	RV6 Range R6	1	280-2010EH	
480-0603	RV8 Range R8	1	280-2010EH	

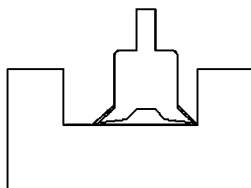
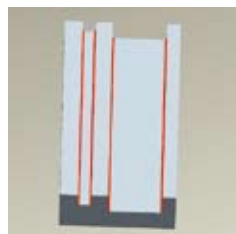
H型-凹 R面修形刀



Order No.	配带刀片H型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0700	RA4 Range R4	1	280-2010EH	
480-0701	RA6 Range R6	1	280-2010EH	
480-0702	RA8 Range R8	1	280-2010EH	

I型-清角刀

- I型专用于机械加工沟槽无法清根部位  ，本刀形可以清除根部、清角清根。设计刀片：宽3mm、宽16mm两种，供用户选择。

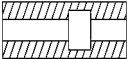
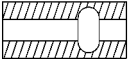


Type I-cleaning-up angle cutter

- Type I dedicated to machining parts of a trench can not be clean.
There are two specifications for your purchasing.

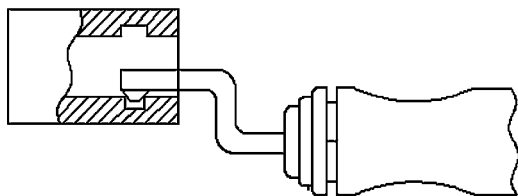
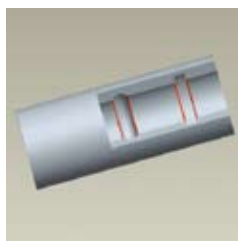
Order No.	配带刀片 I 型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0800	I型3mm Range >3mm	1	280-2010EH	
480-0801	I型16mm Range <16mm	1	280-2010EH	

J型-内圆孔沟槽倒角刀

- J型专用于内圆孔内的沟槽   的倒角及清除毛刺。
设计刀片：宽3mm、宽6mm两种，供用户选择。

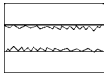
Type J-internal groove deburring cutter

- Type J dedicated to deburring the internal groove.



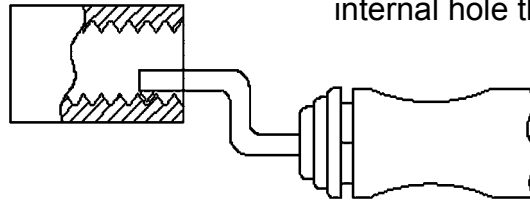
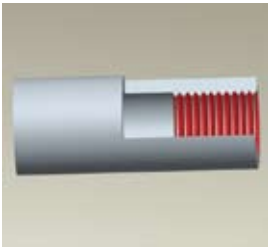
Order No.	配带刀片 J 型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-0900	J型3mm Range 1-3mm	1	280-2008JK	
480-0901	J型6mm Range 1-6mm	1	280-2008JK	

K型-内圆孔螺纹修复刀

- K型专用于内圆孔内螺纹  的毛刺清除剂修复。

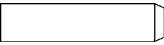
Type K-internal hole thread repair tool

- Type K dedicated to deburring and repairing the internal hole thread.



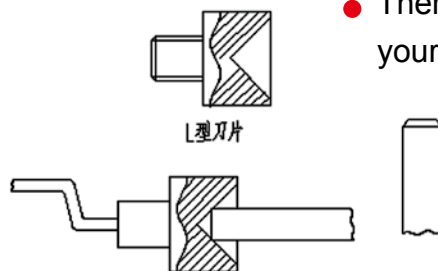
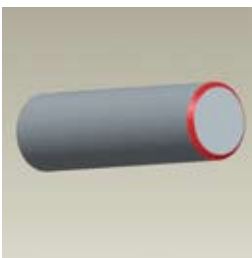
Order No.	配带刀片 K型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-1000	K-3mm	1	280-2008JK	

L型-外圆倒角修边刀

- L型是外圆形倒角及修边工具 。
- 刀片设计2种规格，用户可根据倒角范围选择。

Type L- Outer circle deburring tool

- There are two designs and specifications for your purchasing.

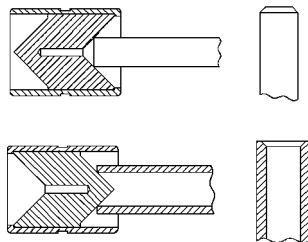


Order No.	配带刀片 L型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-1100	L-12 for Dia. 0-12mm	1	280-2006CA/L	
480-1101	L-18 for Dia. 0-18mm	1	280-2006CA/L	

注：适用软质材料的外圆柱修边倒角

M型-手握式内外圆倒角器

- M型专用于软质材料：铁、铜、铝、塑料等材质的管件，对内外径倒角、清除毛刺，本工具简易、便携、方便使用、经济，是专业人士首选。

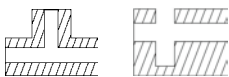


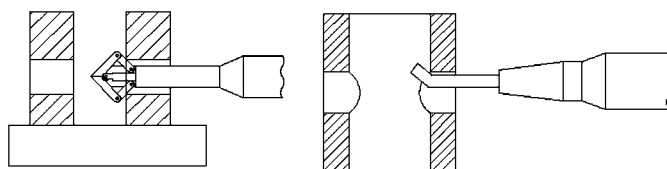
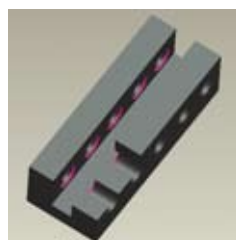
Type M- hand-held internal and outer circle deburring tool

- M-type dedicated to soft materials: iron, copper, aluminum, etc. pipe materials, of internal and outer diameter deburring and removing burrs,
The instrument simple, portable, easy of using, economic, and professionals are preferred.

Order No.	倒角范围 Range	产 品 照 片
480-1200	0-36mm	

N型-翻转孔倒角刀

- N型专用于极难度加工的交叉孔  的倒角及毛刺清除，是专业人士必备工具。



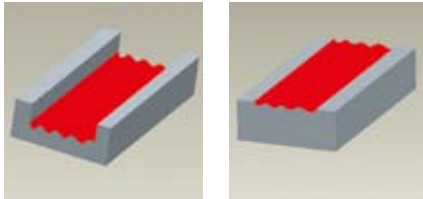
N type flip-hole deburring cutter

- N-type dedicated to deburring and removing burrs for a very difficult process -branch hole, which is an indispensable tool for professionals.

Order No.	倒角范围 Range	产 品 照 片
480-1300	3.2mm	
480-1301	9-20mm	
480-1302	15-27mm	

0型-平面刮刀

- 0型设计专用于清理平面铁锈、表面油漆、平面凸点、平面毛刺等， 槽损伤的修复等，刀片设计有宽窄3种，供用户选择。



O-Plane Scraper

- O-type design dedicated to cleaning up the rust, surface paint, print salien, graphic glitches, groove damage repair, and so on. The width has two kinds of design for the users' selection

Order No.	配带刀片  型		配用伸缩刀杆编号 Holder	产 品 照 片
	Blade	Qty.		
480-1400	0型>3mm	1	280-2010EH	
480-1401	0型>10mm	1	280-2010EH	
480-1402	0型>18mm	1	280-2010EH	

P型-外螺纹修复刀



- P型设计专用于外螺纹损伤后的修复及毛刺清理，设计范围为M6-M20

Type P-Outside Thread Repair Tool

- Type P dedicated to deburring and repairing the outside thread. Size range is M6-M20.

Order No.	倒角范围 Range	产 品 照 片
480-1500	M6-M20	

580-便携式套装

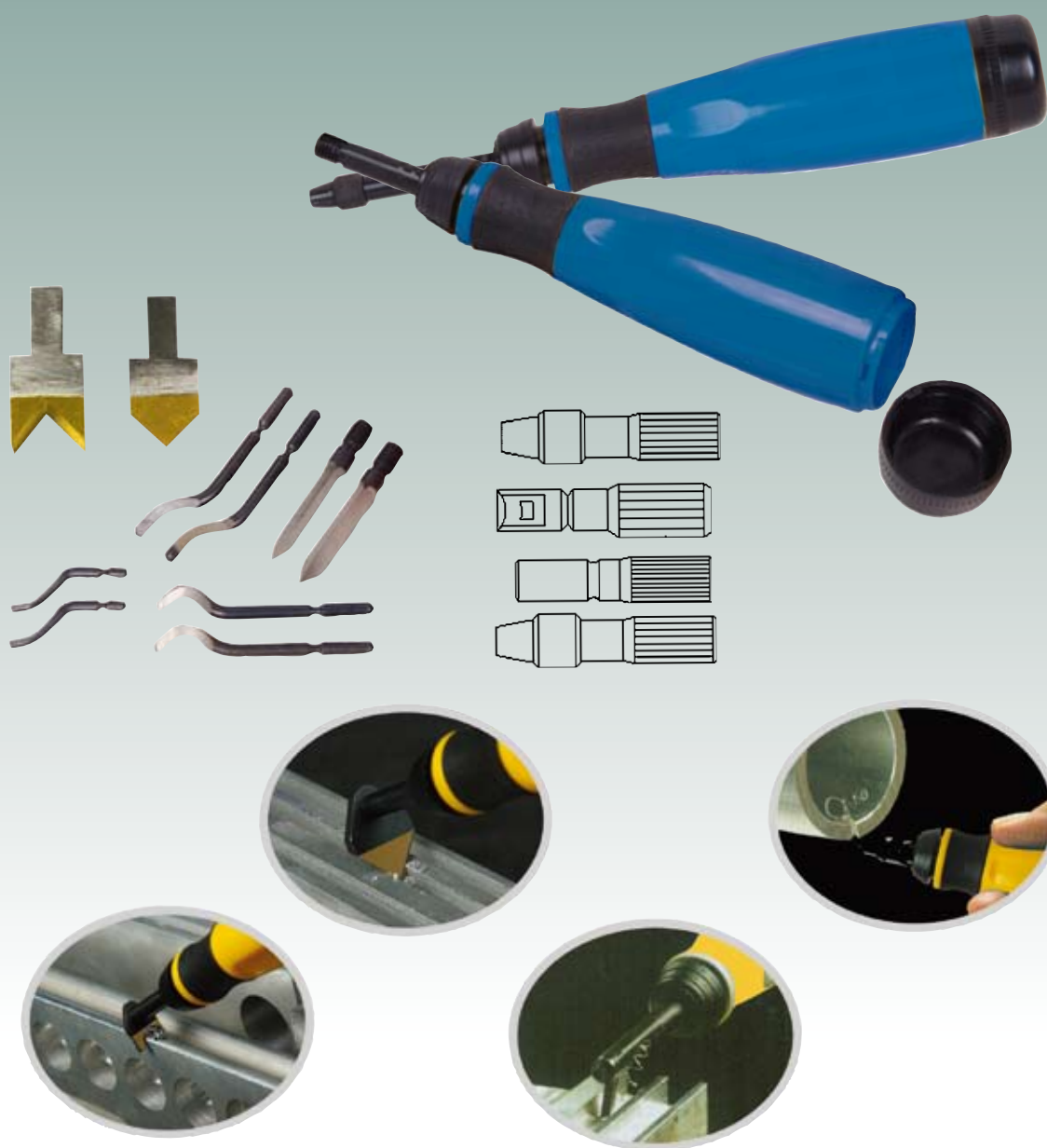
580- Portable Set Package

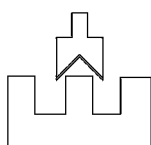
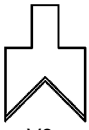
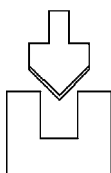
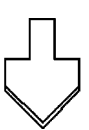
- 为方便用户，经精心设计的“便携式套装”是用手柄主杆与联连刀杆进行连接，加配各类切削刀片，从而达到多种切削性能。

其有特点是：

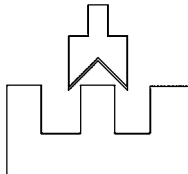
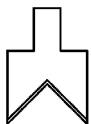
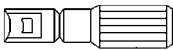
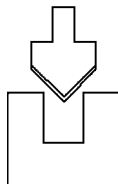
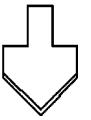
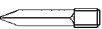
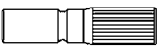
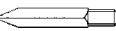
手柄内设有刀具盒，可将全部配用零件装入手柄内，从而达到小巧玲珑，使用、存放、携带方便、经济、便携。

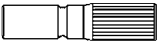
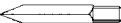
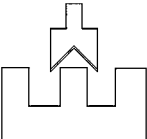
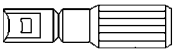
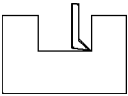
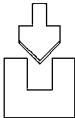
For the convenience of users, "portable package" is in conjunction with the handle by the carefully design which plus with all types of cutting blades, so as to achieve a variety of cutting performance.

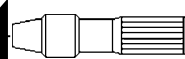
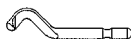
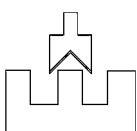
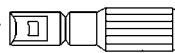
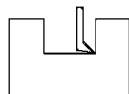
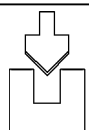
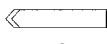


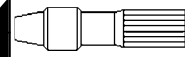
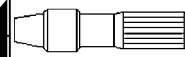
用途示意图	配带刀片		联刀杆 Adapter	型号: 580-AEF型-9PC Order No. 580-0007
	Blade	Qty.		
	 ES100	2	 280-2015ES	 
	 ES200	2		
	 V8	1	 280-2018L	
	 A8	1		

用途示意图	配带刀片		联刀杆 Adapter	型号: 580-BD型-11PC Order No. 580-0008
	Blade	Qty.		
	 BS10	2	 280-2016BS	 
	 BS20	2		
	 D25	1	 280-2017D	
	 D40	1		

用途示意图	配带刀片		联刀杆 Adapter	型号: 580-DEF型-10PC Order No. 580-0009
	Blade	Qty.		
	 V8	1	 280-2018L	  
	 A8	1		
	 D25	1	 280-2017D	
	 D40	1		

用途示意图	配带刀片		联刀杆 Adapter	型号: 580-DEIF型-112PC Order No. 580-0010
	Blade	Qty.		
	 D25	1	 280-2017D	  
	 D40	1		
	 V8	1	 280-2018L	
	 V3	1		
	 I3	1		
	 A3	1		

用途示意图	配带刀片		联刀杆 Adapter	型号: 580-AE I 型-13PC Order No. 580-0011
	Blade	Qty.		
	 ES100	1	 280-2015ES	 
	 ES200	1		
	 ES300	1		
	 ES150	1		
	 V8	1	 280-2018L	
	 V3	1		
	 I3	1		
	 A3	1		

用途示意图	配带刀片		联刀杆 Adapter	型号：580-AB型-12PC Order No. 580-0012
	Blade	Qty.		
	 ES100	2	 280-2015ES	
	 ES200	2		
	 BS10	2	 280-2016BS	
	 BS20	2		

用途示意图	配带刀片		型号: 580-B型-17PC Order No. 580-0013
	Blade	Qty.	
	 BS10	5	 
	 BS20	5	
	 BS30	5	

用途示意图	配带刀片		型号: 580-A型-22PC Order No. 580-0014
	Blade	Qty.	
	 ES100	5	 
	 ES200	5	
	 ES300	5	
	 ES150	5	



Order No.680-0015-8PC		
配件 Parts	刀片型号	Qty.
刀片 Blade	ES100	1
	ES200	1
	ES300	1
	ES150	1
手柄 Handle	180-1001ES	4

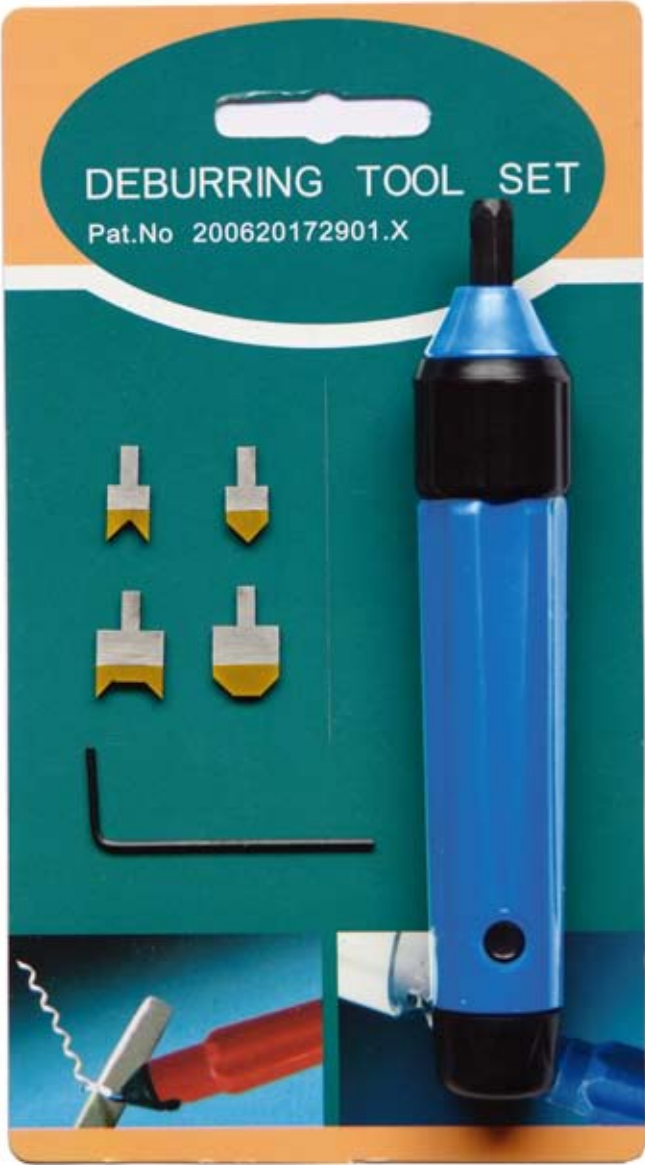


Order No.680-0016-12PC			
配件 Parts	刀片型号	Qty.	
手柄 Handle	180-1011X	1	
伸缩杆 Holder	280-2002AS	1	
刀片 Blade	E100	5	
	E200	5	



Order No.680-0017-21PC		
配件 Parts	编号	Qty.
手柄 Handle	180-1007BS	1
刀片 Blade	BS10	10
	BS20	10

Order No.680-0018-11PC		
配件 Parts	编号	Qty.
手柄 Handle	180-1004E	1
刀片 Blade	E100	5
	E200	5



Order No.680-0019-7PC			
配件 Parts	编号	Qty.	
手柄 Handle	180-1012X	1	
伸缩杆 Holder	280-2010EH	1	
刀片 Blade	V8	1	
	V13	1	
	Λ8	1	
	Λ13	1	
内六角扳手 Hex.Wrench		1	



Order No.680-0020-8PC		
配件 Parts	编号	Qty.
手柄 Handle	180-1002E	4
刀片 Blade	E100	1
	E200	1
	E300	1
	E150	1



Order No.680-0021-21PC

配件 Parts	编号	Qty.
手柄 Handle	180-1000EB	1
刀片 Blade	E100	10
	B10	10

Order No.680-0022-6PC

配件 Parts	编号	Qty.
手柄 Handle	180-1011X	1
刀杆 Holder	280-2006CA/L	1
刀片 Blade	CA-6	1
	CA-10	1
	CA-14	1
	CA-18	1



Set Includes:

Flat diamond coated file, triangular scraper, flat Scraper, round scraper, swivel blade tool, rotational deburring tool with minimum hole diameter 0.08".

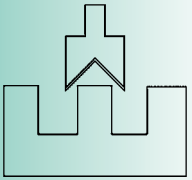
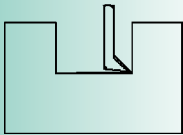
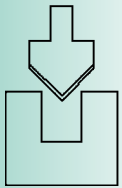
Order No.680-0023-11PC		
配件 Parts	编号	Qty.
手柄 Handle	180-100ES	1
刀片 Blade	ES100	10

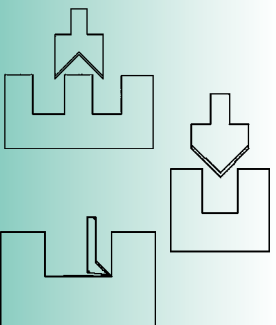
Order No.680-0023-6PC	
配件Parts	Qty.
手柄 Handle	6
刀片 Blade	6

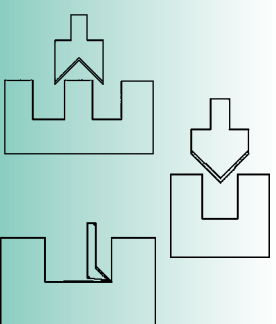
用途示意图	配 件 Parts	Order No. 780-0271-11PC
 	180-1012X手柄1支 280-2011780单头M5x0.8伸缩杆1支 B10 B20 B30刀各1支 E100 E200 E300刀各1支 280-2019E联刀杆1支 280-2020B联刀杆1支 专用扳手一支	Universal Deburring Set  Each set features the UNI handle, engineered for unparalleled comfort, safety and high performance. This tools is extremely powerful yet lightweight, Comes with the special asapter for an extra- close grip.
	180-1012X handle, 280-2011780 holder(M5x0.8 single head), Balde: B10, B20, B30, E100, E200, E300, 280-2019E Adapter 280-2020B Adapter Wrench	

用途示意图	配 件 Parts	Order No. 780-0272-6PC
	180-1012X手柄1支 280-2011780单头M7x1伸缩杆1支 C12, C20, C30刀各1支 专用扳手一支	Countersink Set  Each set with 3 powerful countersink tools, most useful for chamfering and countersinking.
	180-1012X handle, 280-2011780 holder(M7x1 single head), C12, C20, C30 Blades Wrench	

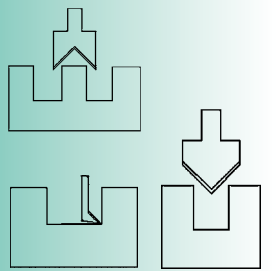
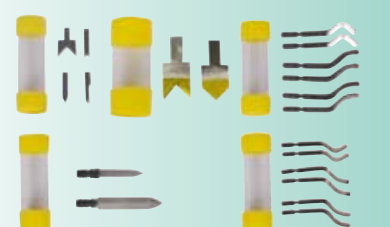
用途示意图	配件 Parts	Order No.780-0273-7PC
	180-1012X手柄1支 280-20117803单头M5x0.8伸缩杆1支 D20, D25, D30, D40刀各1支 专用扳手1支	Scraper Set  Features triangular blades with 3 cutting edges and a telescopic blade holder that lets you reach hard to access areas. Provides maximum grip comfort when used with UNI handle. Suggestion: Use the wrench supplied to safely releade and remove blades.
	180-1012X handle, 280-201178003 holder(M5x0.8 single head), D20, D25, D30, D40Blades Wrench	

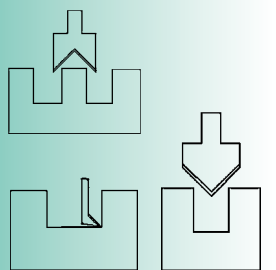
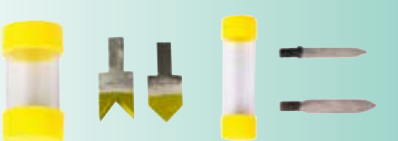
用途示意图	配件 Parts	Order No. 780-0274-14PC
   	180-1012X手柄1支 280-2011780伸缩杆1支 280-2022L联刀杆4支 280-2021D联刀杆1支 V3, V8, A3, I-3, D30刀各1支 专用扳手1支 内六角扳手1支	Edge Cleaner and Scraper Set  Features blades with Adapters and a telescopic blade holder that lets you reach hard to access areas. Provides maximum grip comfort when used with UNI handle. Suggestion: Use the wrench supplied to safely releade and remove blades.
	180-1012X handle, 280-2011780 holder, 4pc : 280-2022L Adapter 280-2021D Adapter V3,V8,A3,I-3,D30 Blades Hex Wrench, Wrench	

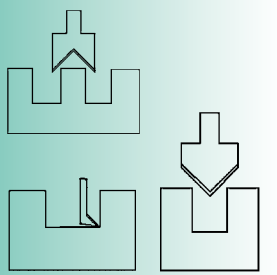
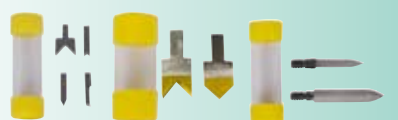
用途示意图	配件 Parts	Order No.780-0275-17PC
  	180-1012X手柄1支 280-2011780伸缩杆1支 280-2022L联刀杆四支 280-2019E联刀杆1支 V3, V8, A3, I-3, C12, C20刀各1支 E100, E200刀各一支 专用扳手1支 内六角扳手1支 180-1012X handle, 280-2011780 holder, 4pc 280-2022L Adapter 1pc 280-2019E Adapter Cleaners: V3,V8,A3,I-3,C12,C20 Baldes: E100, E200, Hex Wrench, Wrench	Universal Extra Set Type 1  The complete uni kit for professional machinists.

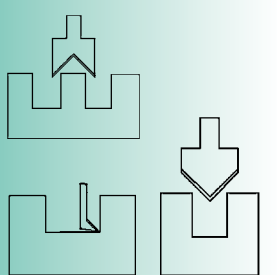
用途示意图	配件 Parts	Order No.780-0276-21PC
   	180-1012X手柄一支 280-2011780伸缩杆一支 280-2022L联刀杆四支 280-2019E联刀杆一支 280-2020B联刀杆一支 V3, V8, A3, I-3刀各一支 B10, B20刀各一支 C12, C20刀各一支 E100, E200刀各一支 D30刀一支 专用扳手一支 内六角扳手一支 480-1012X handle, 280-2011780 holder, 4pc Adapter: 280-2022L,280-2019E,280-2020B Baldes: V3,V8,A3,I-3 Baldes: B10,B20 Baldes: C12,C20 Scraper: D30, Hex Wrench, Wrench	Universal Extra Set Type 2  The most complete uni kit for professional machinists. With extra scraper.

用途示意图	配件 Parts	Order No.780-0277-10PC
  	180-1008D红色小手柄 5支锉刀 ○ △ □ ▭ ◐ E150, D20刀各1支, 共4支 Includes: 180-1008d handle, 5 pc Files ○ △ □ ▭ ◐ E150, D20 Blades	
用途示意图	配件 Parts	Order No.780-0278-14PC
 	180-1011X手把1支 280-2006CA刀杆1支 CA-6, CA-10, CA-14, CA-18刀各1支 180-1001ES手把1支 ES100刀片1支 Includes: 180-1011X handle, 280-2006CA holder, Each of CA-6,CA-10,CA-14,CA-18 Blades 180-1001ES handle, ES100 Blade	

用途示意图	配件 Parts	专为机械、模具、维修行业打造 Order No. 880-0380-33PC
   	180-1011X手柄+280-2002AS刀杆各1支 180-1011X手柄+280-2004BS刀杆各1支 280-2013880L, 280-2007D, 280-2005C刀杆各1支 C12, C20刀各1支 V3, V8, V13, A3, A13, I3刀各1支 D25, D40刀各1支 ES100, ES200, ES300刀各1支 BS10, BS20, BS30刀各1支 180-1001ES手柄4支 ES100, ES200, ES300, ES150刀各1支 专用扳手1支 内六角扳手1支 180-1011X Handle+280-2002AS Holder 180-1011XHandle+280-2004BS Holder Holders:280-2013880L,280-2007D, 280-2005C Countersinks: C12, C20 Blades:V3,V8,V13,A3,A13, I3 Scapers:D25, D40 Blade: ES100,ES200,ES300 Blades: BS10,BS20,BS30 4PC Handles:180-1001ES Blade: ES100,ES200,ES300,ES150 Wrench Hex Wrench	 

用途示意图	配件 Parts	专为冲压、钣金、压铸行业打造 Order No. 880-0382-33PC
   	180-1011X手柄+280-2007D刀杆各1支 180-1011X手柄+280-2013880L刀杆各1支 180-1011X手柄+280-2005C刀杆各1支 180-1002E手柄4支 E100, E200, E300, E150刀各1支 E100, E200刀各5支 C12, C20, C30刀各1支 D25, D40刀各1支 V8, A8刀各1支 专用扳手1支 内六角扳手1支 180-1011X Handle+280-2007D Holder 180-1011XHandle+280-2013880L Holder 180-1011XHandle+280-2005C Holder 4PC Handles: 180-1002E Blades: E100,E200,E300,E150 Blades: E100,E200 each 5PC Countersinks: C12,C20,C30 Scapers: D25,D40 Blades:V8,V8 Wrench Hex Wrench	 

用途示意图	配件 Parts	专为雕刻、塑钢行业打造 Order No. 880-0384-37PC
   	180-1009 (M7) 小手把1支 180-1009 (M6) 小手把1支 180-1001ES手把2支 280-2015ES, 280-2016BS, 280-2017D, 280-2018L联刀杆各1支 D25, D40刀各1支 V3, V8, V13, A3, A13, I3刀各1支 C12, C20各1支 橡胶锤1把 专用扳手1支, 内六角扳手1支 ES100, ES200, SBS10, BS20刀各5支 180-1009(M7) Handle 180-1009(M6)Handle 180-1001ES Handle(2PC) Adpters: 280-2015ES, 280-2016BS, 280-2017D, 280-2018L Blades: V3, V8, V13, A3, A13, I3 Blades: C12, C20 Blades: D25, D40 Blade: ES100, ES200, SBS10, BS20 each 5PC Hammer Wrench Hex Wrench	 

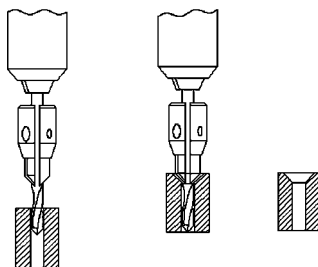
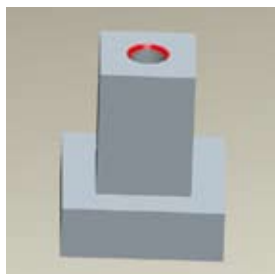
用途示意图	配件 Parts	专为重型铆焊行业打造 Order No. 880-0386-23PC
   	铁板倒角器1支 480-0404 180-1011x手柄2支 280-2007D刀杆1支 280-2005C刀杆1支 280-2001ES刀杆1支 280-2013880L刀杆1支 D25, D40刀各1支 C20刀1支 ES100, ES200刀各5支 V13, A13刀各1支 专用扳手1支, 内六角扳手1支 Double-Burr(480-0404) 2PC Handles: 180-1011X Holder: 280-2007D Holder: 280-2005C Holder: 280-2001ES Holder: 280-2013880L Scapers: D25, D40 Countersink: C20 Blades: ES100, ES200 each 5PC Blades: V13, A13 Wrench Hex Wrench	 

机用倒角工具



G100型-机用钻孔倒角组合刀

- G100型适用于生产厂家，本工具与钻头组合，可同时钻孔倒角，变原2道工序为1道工序，提高生产效率2倍，大大降低生产成本，提高经济效益，是专业厂家的首选工具。



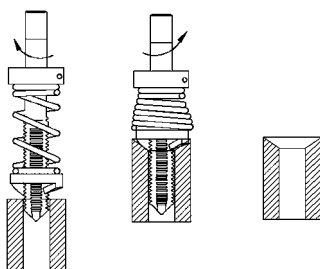
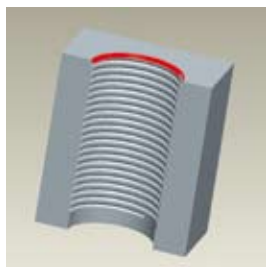
G100-Type Drilling Machine Deburring

- Type G100 is applicable to manufacturers. This type can simultaneously combined with drill for drill hole deburring, which changes the original two processes into one process and enchanges production efficiency, significantly lowers production costs and improves economic efficiency. It is a professional tool for the manufacturer

Order No.	倒角范围 Range	产 品 照 片
G100-8020	φ 6mm	
G100-8021	φ 8mm	

G200型-机用攻丝倒角组合刀

- G200型适用于生产厂家，本工具与丝锥组合，可同时攻丝倒角，变原2道工序为1道工序，提高生产效率2倍，大大降低生产成本，提高经济效益，是专业厂家的首选工具。



G200-Tapping Combination Deburring Tools

- G200-type applies to the manufacturer. The instrument can simultaneously combined with tap for tapping deburring, which changes the original two processes into one process and enchanges production efficiency, significantly lowers production costs and improves economic efficiency. It is a professional tool for the manufacturer.

Order No.	倒角范围 Range	产 品 照 片
G200-8030	8mm	
G200-8031	10mm	
G200-8032	12mm	

G300型-套装机用圆孔倒角刀

- G300型充电式机用电钻+配CA-6, CA-10, CA-14, CA-18刀
专用于大批量的内圆孔倒角及清除毛刺。倒角范围从0-18mm, 设计有4种规格刀头, 可供用户选择。优点: 省力, 提高生产效率, 适用于大批量生产的专业生产厂家。

G300 Hand Electric Drill + 4 Kinds of Blades Set

- This Tool dedicated to the high-volume inner circle deburring and removal of burr. Deburring range from 0-18mm and the design has 4 kinds of specifications for user selection. Advantages: laborsaving, improving production efficiency, applicable to high-volume production of professional manufacturers.



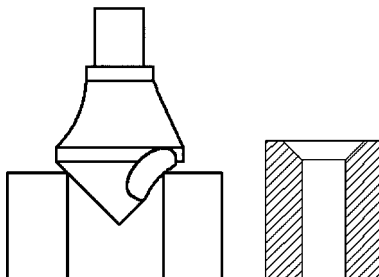
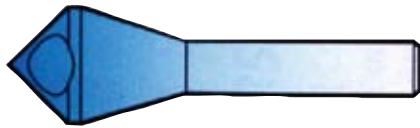
Order No. G300-8040	
配 件 Parts	倒角范围 Range
刀头 Blades	0-6mm
	0-10mm
	0-14mm
	0-18mm

G400型-机用无槽铣刀

- G400型刀具设计是专用于内圆孔的倒角，适用于生产大批量生产商。本工具可结合于：车床、铣床、钻床、手电钻等设备对工件内孔进行倒角。本刀具优点为：钢性足，提高倒角光洁度，提高生产效率，刀具使用寿命长。刀头设计9种规格，倒角范围从0- ϕ 67mm，是专业厂家的首选工具。

Type 400-Countersinks & Deburring Tools

- G400-type cutter is designed exclusively for deburring the internal circle hole, which fit for the high-volume production manufacturers. The instrument is deburring the internal circle combined with lathes, milling machine, drilling machine, hand drills and other equipment. The blades have nine design specifications, deburring range from ϕ 0-67mm, are the preferred instrument of professional manufacturers.



Inch, High Speed Steel

Individuals

Range	Shank Dia.	Description	60° Order No.	82° Order No.	90° Order No.
1/16" - 15/64"	1/4"	0 double end	G400-0815	G400-1815	G400-2815
5/32 - 13/32	1/4"	1 single end	G400-0816	G400-1816	G400-2816
3/16 - 17/32	1/4"	2 single end	G400-0817	G400-1817	G400-2817
3/16 - 25/32	1/2	3 single end	G400-0818	G400-1818	G400-2818
9/16 - 1-1/16	1/2	4 single end	G400-0819	G400-1819	G400-2819
5/8 - 1-15/32	1/2	5 single end	G400-0822	G400-1822	G400-2822
3/4 - 1-3/4	5/8	6 single end	G400-0823	G400-1823	G400-2823
1 - 2	5/8	7 single end	G400-0824	G400-1824	G400-2824
1-1/4 - 2-1/2	3/4	8 single end	G400-0825	G400-1825	G400-2825

Sets

Pieces	Description	Plastic Stand Order No.	Wooden stand Order No.
5Pcs	60° 1 each of: 1/16" to 9/16"	G400-0811	G400-0810
5Pcs	82° 1 each of: 1/16 to 9/16	G400-1811	G400-1810
5Pcs	90° 1 each of: 1/16 to 9/16	G400-2811	G400-2810

Metric, High Speed Steel

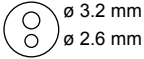
Individuals

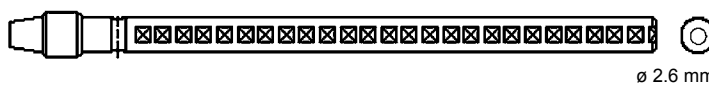
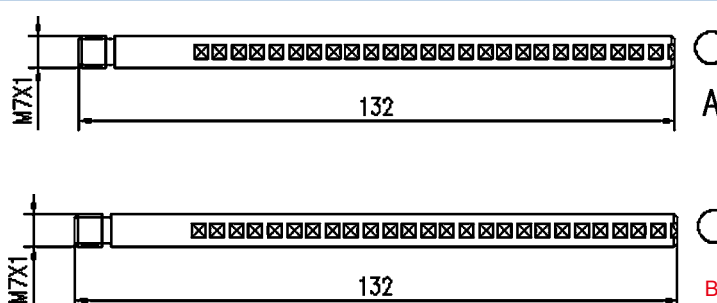
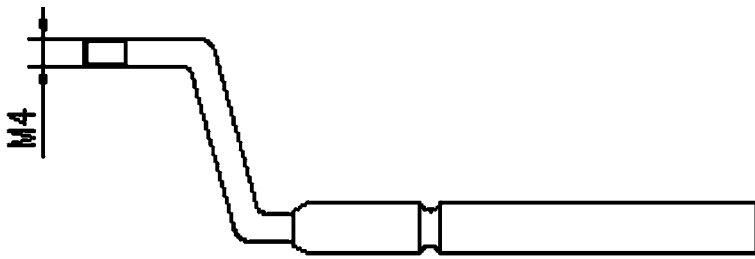
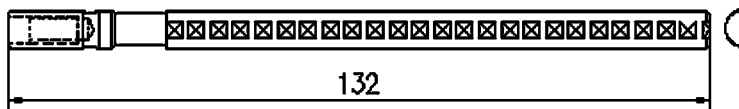
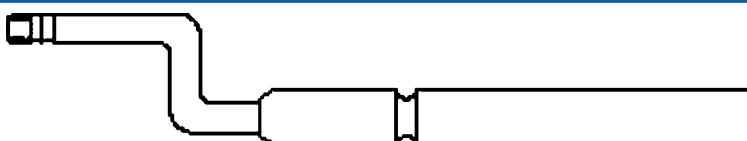
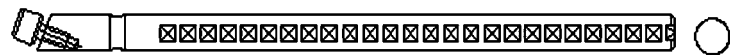
Range	Head Dia.	Shank Dia.	Length	60° Order No.	82° Order No.	90° Order No.
2-5mm	10	6	45	G400-3002	G400-3102	G400-3202
5-10mm	14	8	48	G400-3005	G400-3105	G400-3205
10-15mm	21	10	65	G400-3010	G400-3110	G400-3210
15-20mm	28	12	85	G400-3015	G400-3115	G400-3215
20-25mm	35	15	102	G400-3020	G400-3120	G400-3220
25-30mm	44	15	115	G400-3025	G400-3125	G400-3225
30-35mm	48	15	127	G400-3030	G400-3130	G400-3230
35-40mm	53	15	136	G400-3035	G400-3135	G400-3235
40-50mm	64	18	166	G400-3040	G400-3140	G400-3240

Sets

Pieces	Description	Order No.
4Pcs/set	60° 1 each of 2/5mm - 15/20mm	G400-3402
4Pcs/set	82° 1 each of 2/5mm - 15/20mm	G400-3404
4Pcs/set	90° 1 each of 2/5mm - 15/20mm	G400-3406
5Pcs/set	60° 1 each of 2/5mm - 20/25mm	G400-3602
5Pcs/set	82° 1 each of 2/5mm - 20/25mm	G400-3604
5Pcs/set	90° 1 each of 2/5mm - 20/25mm	G400-3606

Order No.	Fit Holder	图片示意
180-1001ES	无	
180-1002E	无	
180-1003E	无	
180-1004E	无	
180-1005BS	无	
180-1006ES	无	
180-1007BS	无	
180-1008D	无	

Order No.	Fit Holder	图片示意
180-1009 M7/M6	无	
180-1000EB	无	 
180-1011C	280-2005C	
180-1011X	280-2001-2009	
180-1012X	280-12010EH	
180-1013M	280-2012580	
180-1014C	无	
180-1015RB	无	
180-1016UN	280-2001A 280-2003B	

Order No.	适配刀片 Fit Blade	图片示意	备注
280-2001A	A(E)	 ø 3.2 mm	
280-2002AS	AS(ES)	 ø 3.2 mm	
280-2003B	B	 ø 2.6 mm	
280-2004BS	BS	 ø 2.6 mm	
280-2005C-A/B	C	 132 A 132 B	
280-2006CA/L	CA/L	 M4 132	
280-2007D	D	 132	
280-2008JK	JK	 132	
280-2009K	N80K		

280-伸缩杆 (Holder)

Order No.	适配刀片 Fit Blade	图片示意	备注
280-2010EH	E,F,G,H		
280-2011780	银质套装用		
280-20117801	银质套装用		
280-20117802	银质套装用		
280-20117803	银质套装用		
280-2012580	便携用		
280-2013880L	金质套装用		

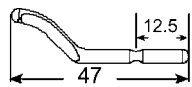
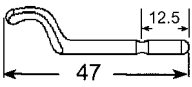
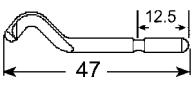
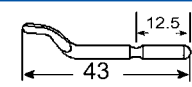
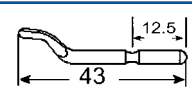
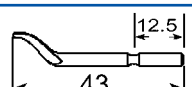
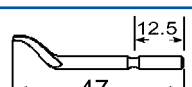
280-联刀杆 (Adapter)

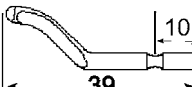
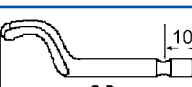
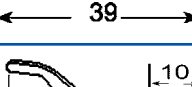
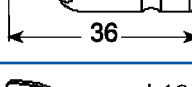
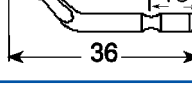
Order No.	适配刀片 Fit Blade	图片示意	Order No.	适配刀片 Fit Blade	图片示意
280-2015ES	ES		280-2019E	E	
280-2016BS	BS		280-2020B	B	
280-2017D	D		280-2021D	D	
280-2018L	E, F, I, G, H, O		280-2022L	L	

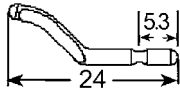
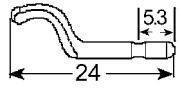
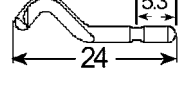
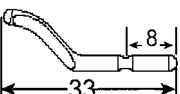
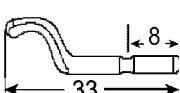
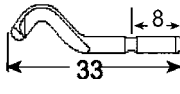
零配件-专用扳手 (Wrench)

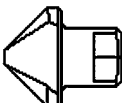
Order No.	专用扳手图片示意	Order No.	专用扳手图片示意
500-01		500-03	
500-02		500-04	

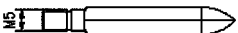
380-刀片 (Blade)

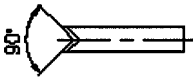
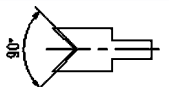
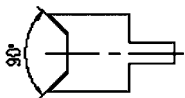
型号 Type	刀片 Blade	Order No.				图片示意
		HSS	超硬 M42	涂钛 TiN Coated	镀金钢砂 Diamond Coated	
A	E100	380-30101	380-30201A	380-30301B	380-30401C	
	E200	380-30102	380-30202A	380-30302B	380-30402C	
	E300	380-30103	380-30203A	380-30303B	380-30403C	
	E101	380-30104	380-30204A	380-30304B	380-30404C	
	E102	380-30105	380-30205A	380-30305B	380-30405C	
	E150	380-30106	380-30206A	380-30306B	380-30406C	
	E350	380-30107	380-30207A	380-30307B	380-30407C	

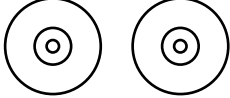
型号 Type	规格 Blade	Order No.				图片示意
		HSS	超硬 M42	涂钛 TiN Coated	镀金钢砂 Diamond Coated	
A	ES100	380-30501	380-30601A	380-30701B	380-30801C	
	ES200	380-30502	380-30602A	380-30702B	380-30802C	
	ES300	380-30503	380-30603A	380-30703B	380-30803C	
	ES101	380-30504	380-30604A	380-30704B	380-30804C	
	ES102	380-30505	380-30605A	380-30705B	380-30805C	
	ES150	380-30506	380-30606A	380-30706B	380-30806C	

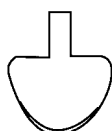
型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
B	B10	380-30901	380-30904B	
	B20	380-30902	380-30905B	
	B30	380-30903	380-30906B	
B	BS10	380-30907	380-30910B	
	BS20	380-30908	380-30911B	
	BS30	380-30909	380-30912B	

型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
C	CA-6 Range ø0-6mm	380-30913	380-30917B	 M4
	CA-10 Range ø0-10mm	380-30914	380-30918B	
	CA-14 Range ø0-14mm	380-30915	380-30919B	
	CA-18 Range ø0-18mm	380-30916	380-30920B	
	C-12	380-30921	380-30924B	 M7x1
	C-20	380-30922	380-30925B	
	C-30	380-30923	380-30926B	

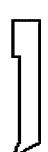
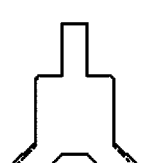
型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
D	D20	380-30927	380-30931B	
	D25	380-30928	380-30932B	
	D30	380-30929	380-30933B	
	D40	380-30930	380-30934B	
	D50	380-3047	380-3047B	 
	D66	380-3075	380-3075B	

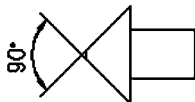
型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
E	V3 Range 0-3mm	380-30935	380-30940B	
	V8 Range 0-8mm	380-30936	380-30941B	
	V13 Range 0-13mm	380-30937	380-30942B	
	V16 Range 0-16mm	380-30938	380-30943B	
	N80K	380-30939	380-30944B	

型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
F	Λ3 Range 0-3mm	380-30945	380-30950B	
	Λ8 Range 0-8mm	380-30946	380-30951B	
	Λ13 Range 0-13mm	380-30947	380-30952B	
	Λ16 Range 0-16mm	380-30948	380-30953B	
	N80K24/11	380-30949	380-30954B	

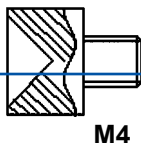
型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
G	RV4	380-30955	380-30958B	
	RV6	380-30956	380-30959B	
	RV8	380-30957	380-30960B	

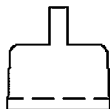
型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
H	R\4	380-30961	380-30964B	
	R\6	380-30962	380-30965B	
	R\8	380-30963	380-30966B	

型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
I	3mm Range >3mm	380-30967	380-30969B	
	16mm Range >16mm	380-30968	380-30970B	

型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
J	J3MM Range <3mm	380-30971	380-30973B	
	J6MM Range <6mm	380-30972	380-30974B	

型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
K	Range KM3 M6-M20 Inner thread	380-30975	380-30976B	

型号 Type	规格 Blade	Order No.		图片示意
		HSS		
L	L-12 Range ø1-12mm	380-30977		 M4
	L-18 Range ø1-18mm	380-30978		

型号 Type	规格 Blade	Order No.		图片示意
		HSS	TiN Coated	
O	O-3mm Range >3mm	380-30979	380-30982B	
	O-10mm Range >10mm	380-30980	380-30983B	
	O-18mm Range >18mm	380-30981 380-30981	380-30984B	

序号	产品名称编号	产品包装	中包装	外包装
A	180-手柄	塑料袋		
B	280-刀杆	塑料袋		
C	380-刀片			
D	480-单支装			
E	580-便携套装			
F	680-彩卡套装			
G	780-银质塑盒套装		纸套	
H	880-金质塑盒套装		纸套	



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