

德国出品 **Made in Germany**

适用于中、高压电缆的可靠加工

For the preparation of medium and high voltage cables.
Solid and practical, a high quality tool solution.



剥线钳与护套切割器 • Tools for Cable preparation

产品概述 02/2020
Product Information

技必择 – 自我介绍
BRIEF INTRODUCTION

Now also online via Webshop
www.gbz-kabel-werkzeuge.de

技必择曼海姆有限责任公司自 1950 年以来一直在曼海姆运营。2004 年初，GB 切削工具有限责任公司成为技必择曼海姆有限责任公司。如今，一支由 80 多名经过资格认证的员工组成的团队在拥有现代化设备的公司所在地弗兰肯塔尔、诺德豪森和上海积极工作。公司已通过 DIN EN ISO 9001:2015 认证。

GBZ Mannheim GmbH & Co. KG is a powerful company offering innovative solutions for the most diverse industries. Today, a team comprising more than 80 qualified members is working on modern machinery at the company headquarter in Frankenthal as well as at the subsidiaries in Shanghai and Nordhausen. Our company has been certified to DIN EN ISO 9001:2015.

以下领域 ... / Customized solutions for

- 印刷业 / Printing Industry
- 能源供应行业 / Energy supply
- 汽车及配件行业 / Automobile Industry and its suppliers
- 机械制造业 / Machinery construction



技必择为客户提供用于开发、生产和质量控制的定制解决方案。
... development, production and quality control.

您的需求 • • • 我们的方案!

Your requirements • • • our Solutions!



技必择开发并制造
GBZ develops & manufactures



在能源供应领域，我们可以提供用于处理中压和高压电缆连接的安装解决方案。这些工具用于安装连接头、过渡接头以及终端器，并与电力电缆和电缆连接的制造商、能源供应商以及装配和铺设企业的具体用户合作开发。工具组件适应冷缩或热缩铺设的不同要求。如果您正在为应用寻找解决方案，请与我们联系。

We offer for the **Energy supply** complete solutions for medium- and high-voltage cable installation. The tools can be used for installing straight, transition and termination joints, as well. All the tools has been developed in close cooperation with the manufacturers of energy cables and cable joints as well as the cable jointers in installation and electrical companies. The tool kits are adapted to the individual requirements of either cold or hot shrinkable cable joints.

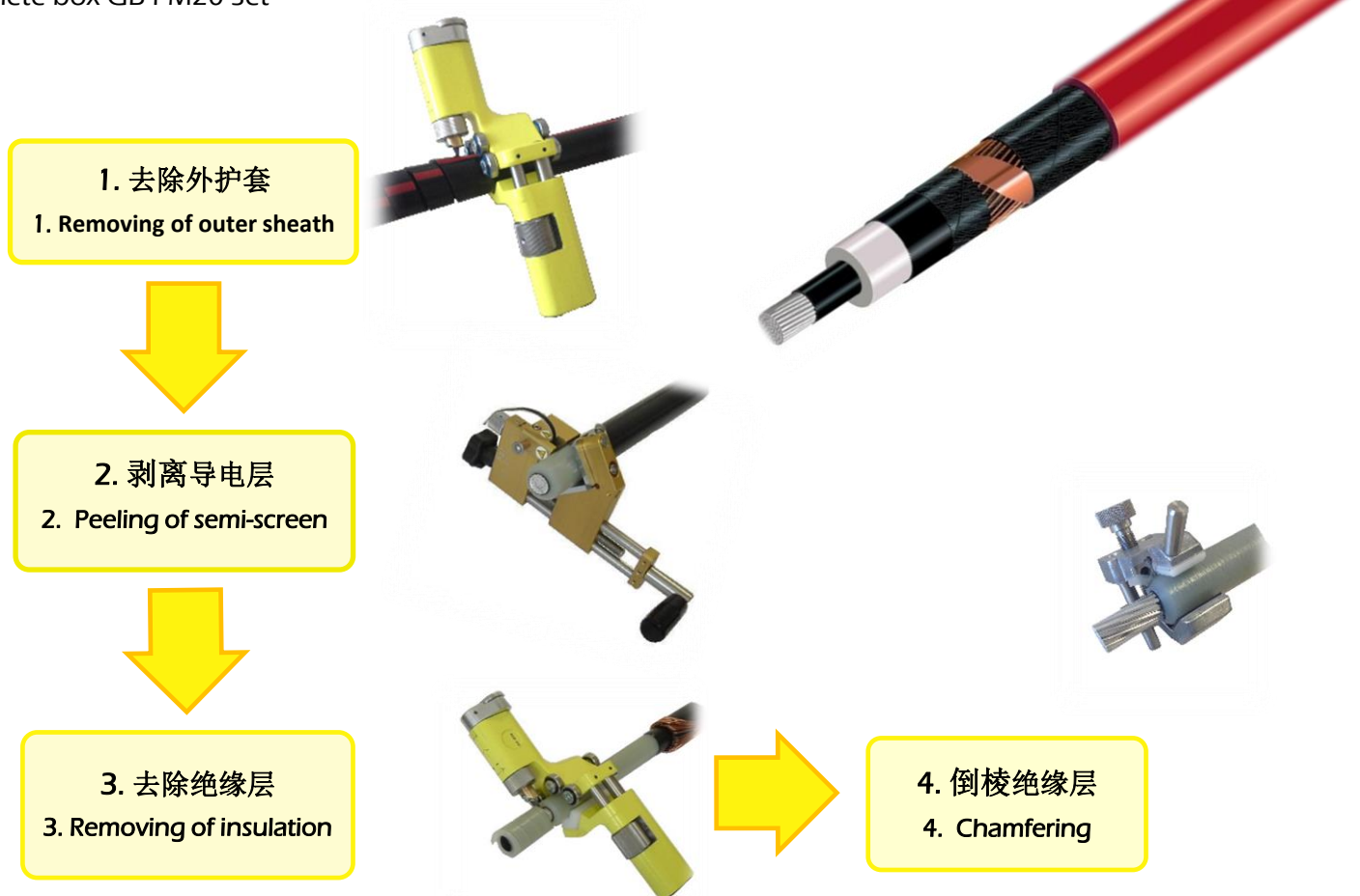
10KV、20KV 和 30 KV 中压电缆的处理

装配手提箱 GB-PM20-Set

Medium Voltage Cable 10, 20 and 30 KV

Cable preparation, in four steps to a perfect joint

Complete box GB-PM20-Set



产品概述 / Survey of products

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护套切割器

Cable Stripper

GB-M20

轻松切割 VPE 外护套和分层护套。该刀具设计用于切割达 10 mm 的壁厚。可以设定刀刃的两个进给角和一个零位，护套的精确直线移除得以保证。VPE 的工作范围：单芯电缆 35mm² 10KV，直到 500mm² 30KV，电缆直径 15 至 55 mm。为保护剥离的半导电层以及对直径小于 22 mm 的横截面的加工，插入塑料插件 GB-M20-S9。得益于刀的形状设计，护套在切割点被提升并因此防止结构元件的损伤，所以切割深度只需约 80%。

Easy and safe cutting and removing of outer jacket and insulation. Just one tool but with two functions. This tool cuts outer jackets from diameter 15 up to 55 mm (an additional plastic insert GB-M20-S9 is required for diameter smaller than 22 mm) and the XLPE insulation up to a thickness of 8 – 10 mm. The automatic feed (step "1" and "2") and the "O" position, for a radial cutting, guarantees a quick, safe and exact cutting of the cable jacket and insulation. To protect the prepared insulation screen and for cable diameter smaller than Ø 25 mm, use the plastic insert GB-M20-S9. Due to the placement and design of the cutting blade, the sheath will be lifted at the cutting point so that there is no danger of damaging the components below the sheath. A cutting depth of approx. 80 % will be sufficient. For further details you may check the manual instruction of the tool.

- ▶ 一件设备，两重功用
- ▶ 剥离外护套并去除绝缘层

- ▶ Two functions in one tool
- ▶ Cutting and removing of

Jacket screen and Insulation !

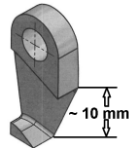
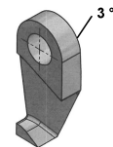


GB-M20-S9 滑
块/Slide



GB-M20-S9/R 滑块带有
轮廓以便粗糙化/
Slide with grooves



描述 /Description	型号/Item	GBZ 码/code	
护套切割器 / Cable Sheath Stripper	GB-M20	11054 ~ 1 kg, 22x10x10cm	
塑料滑块 / Plastic slide (用于电缆 Ø < 22 mm / for cable Ø < 22 mm)	GB-M20-S9	11097 ~ 0,1 kg, 5x3x3cm	
带轮廓的滑块 / Slide with grooves (表面粗糙化 / Roughness of surface))	GB-M20-S9/R	40093 ~ 0,1 kg	
带螺钉备用刀片套盒/ Set of spare blades (5pieces with screws in box)	GB-M20-S8	12231 ~ 0,1 kg, 10x5x2cm	
备用刀片 / Spare Blade	GB-MS20	11072 ~ 0,1 kg, 2x1x1cm	
特种备用刀片 3° / Special Spare Blade 3°	GB-MS20/3°	13446 ~ 0,1 kg, 2x1x1cm	
脚轮套装 (用于 2005 年及之后生产的设备) / Set of rolls (for tools made from 2005)	GB-M20-S10	19928 ~ 0,1 kg	8 x 轴承 8 x U 形片 8 x 螺丝 8 x Bearings 8 x Washers 8 x Screws
脚轮套装 (用于 2005 年之前生产的设备) / Set of rolls (for tools made until 2005)	GB-M20-S5	13457 ~ 0,1 kg	8 x 塑料轮 8 x 片与环 4 x 轴 8 x Plastic rolls 8 x Washers & Rings 4 x Axles
棉质腰带包 / Cotton Bag	GB-TOOLBAG	24897 ~ 0,2 kg, 20x18x5 cm	
海绵衬便携箱 / Storage Box with foaming	GB-PM20-BOX	16913 ~ 0,5 kg, 40x32x11 cm	

护套切割器

Cable Stripper

GB-M30

仅用一个工具切割并剥离外护套和绝缘层。工作使用步骤和方式类似于我们的 GB-M20 设备。护套切割器 GB-M30 设计用于处理 10 和 20 KV 范围内的较大横截面的电缆，尤其适用于 30 KV 的电压等级，工作范围为 Ø32 - 70 mm。可轻松切割壁厚高达 14mm 的电缆。若使用选配的塑料滑块，便可处理直径达 20 mm 的小型电缆。

Cutting and removing of outer sheath and insulation with only just one tool. Each step to work and the manual operation is similar to the cable stripper GB-M20. Cable stripper GB-M30 has been developed especially for the cutting and preparation of bigger sized diameters with high cross sections. The working range of that tool is between diameter Ø 32 – 70 mm and a wall thickness up to approx. 14 mm can be cutted. By inserting the additional plastic slide the smallest cable diameter would be approx.. about Ø 20 mm.



1. 外护套剥离
1. Removing of outer sheath

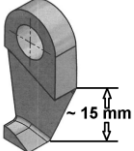


2. 绝缘层剥离
2. Removing of insulation

塑料滑块/

Plastic slide GB-M30-S9



描述 /Description	型号 /Item	GBZ 码/code	
护套切割器 / Cable Sheath Stripper	GB-M30	17616 ~ 1,5kg, 24x10x10cm	
塑料滑块 / Plastic slide	GB-M30-S9	28943 ~ 0,1kg,	
带螺钉备用刀片套盒 / Set of spare blades (5pieces with screws in box)	GB-M30-S8	17615 ~ 0,1 kg, 10x5x1 cm	
备用刀片 / Spare Blade	GB-MS30	17297 ~ 10 gr	
海绵衬便携箱 / Storage Box with foaming	GB-PM20-BOX	16913 ~ 0,5 kg, 40x32x11cm	
脚轮套装 (用于 2005 年及之后生产的设备) / Set of rolls (for tools made from 2005)	GB-M20-S10	19928 ~0,1kg	8 x 轴承 8 x U 形片 8 x 螺丝 8 x Bearings 8 x Washers 8 x Screws
脚轮套装 (用于 2005 年之前生产的设备) / Set of rolls (for tools made until 2005)	GB-M20-S5	13457 ~0,1 kg	8 x 塑料轮 8 x 片与环 4 x 轴 8 x Plastic rolls 8 x Washers & Rings 4 x Axles
M1 切割工具，用于护套管 (工具尺寸 Ø 32 – 70 mm, 箱内附备用刀片) M1 Cutting Tool for Protection Pipes (Tool Ø 32 – 70 mm in storage box with spare blade)	GB-M1	10808 ~ 1,5 kg, 40x32x11 cm	
备用刀片 / Spare Blade	GB-M1-EM	11119 ~ 10 gr.	

护套切割器 – 外护套

Cable Stripper – Jacket cutter

GB-AM 20 / GB-AM 30

用于切入和剥离由 VPE 或 PVC 材料制成的外护套。可以高精度剥离中压或低压范围的电缆，加工直径在 Ø26 - 62 mm 之间的电缆。对于径向圆切割，最大切割深度约为 3 / 3.5mm，附接的工具以约 60° 的角度旋转。对于纵向切割，最大切割深度约为 2.5 / 3.0mm，设备在纵向上以强力拉动。当最后移除外护套时，将爪件插入切割区域，猛力移除。

注意！此工具未获准用于带电作业！

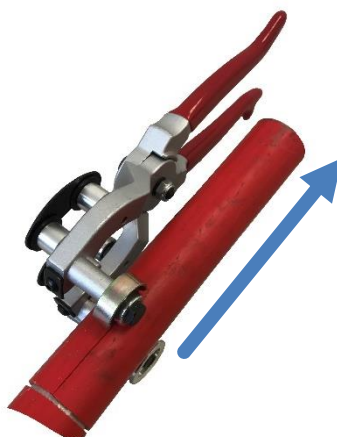
Cutting and removing of outer sheaths made of VPE or PVC material. Medium or low voltage ranged cables can be stripped off precisely. Diameters between Ø 26 - 62 mm can be processed. For the radial cut, with a maximum cutting depth of about 3/3,5 mm, pull the tool up and down at an angle of about 60 °. For the longitudinal cut, with a maximum cutting depth of about 2,5/3,0 mm, the device must be pulled with pressure along the cable. Insert the upper claw into the generated slot and remove the sheath in one piece by pulling it off.

Attention! This tool is not to be used for working under tension!



1. 径向切割 /
Circular cut

2. 纵向切割 /
Straight cut



3. 剥离 /
Removing of jacket



描述 /Description	型号 /Item	GBZ 码 code	
护套切割器 Ø 26 – 62 mm / Cable Sheath Stripper Ø 26 – 62 mm	GB-AM20	40435 ~ 0,6 kg, 27 x 10 x 8 cm	
护套切割器 Ø 47 - 75 mm / Cable Sheath Stripper Ø 47 - 75 mm	GB-AM30	43025 ~ 0,9kg, 30 x 10 x 12 cm	
纵向切割备用刀片 (2.5/3 mm) / Spare blade for lengthwise cut (approx. 2.5/3 mm)	GB-AM-S10	43026 ~ 0,1 kg, Ø 23 x 10 mm	
圆形切割用刀片套装 (约 3.0/3.5 mm) / Set of Spare Blades for circumferential cut (approx. 3.0/3.5mm)	GB-AM-S11	43027 ~ 0,1kg, 4 x Ø 23x15mm	
带螺钉爪 (用于 AM20) / Claws with screws (for AM20)	GB-AM-S12	43028 ~ 0,1kg, 20 x 12 x 5 mm	
带螺钉刀片护具 (用于 AM20) / Blade protection with screws (for AM20)	GB-AM20-S1	43029 ~0,1kg, 60 x 30 x 5 mm	
脚轮, 用于 AM20, AL Ø 30 mm / Aluminium Roller for AM20, Ø 30 mm	GB-AM20-S2	43031 ~0,1 kg, Ø 30 x 35 mm	
带螺钉刀片护具 (用于 AM30) / Blade protection with screws (for AM30)	GB-AM30-S1	43030 ~0,1 kg, 80 x 30 x 5 mm	
脚轮, 用于 AM30, AL Ø 45 mm / Aluminium Roller for AM30, Ø 45 mm	GB-AM30-S2	43032 ~0,1 kg, Ø 45 x 50 mm	
垫片套筒可减少切割深度 (径向和纵向切割 最大 1.5-2 mm) / Aluminium rings for reducing the cutting depth for circumferential and lengthwise cut by 1.5-2 mm	GB-AM-S13	43033 ~0,1 kg	环件套装/Rings 4 x Ø 17/20 x 13 mm 1 x Ø 18/20 x 5 mm

剥线钳

Cable Peeling Tool

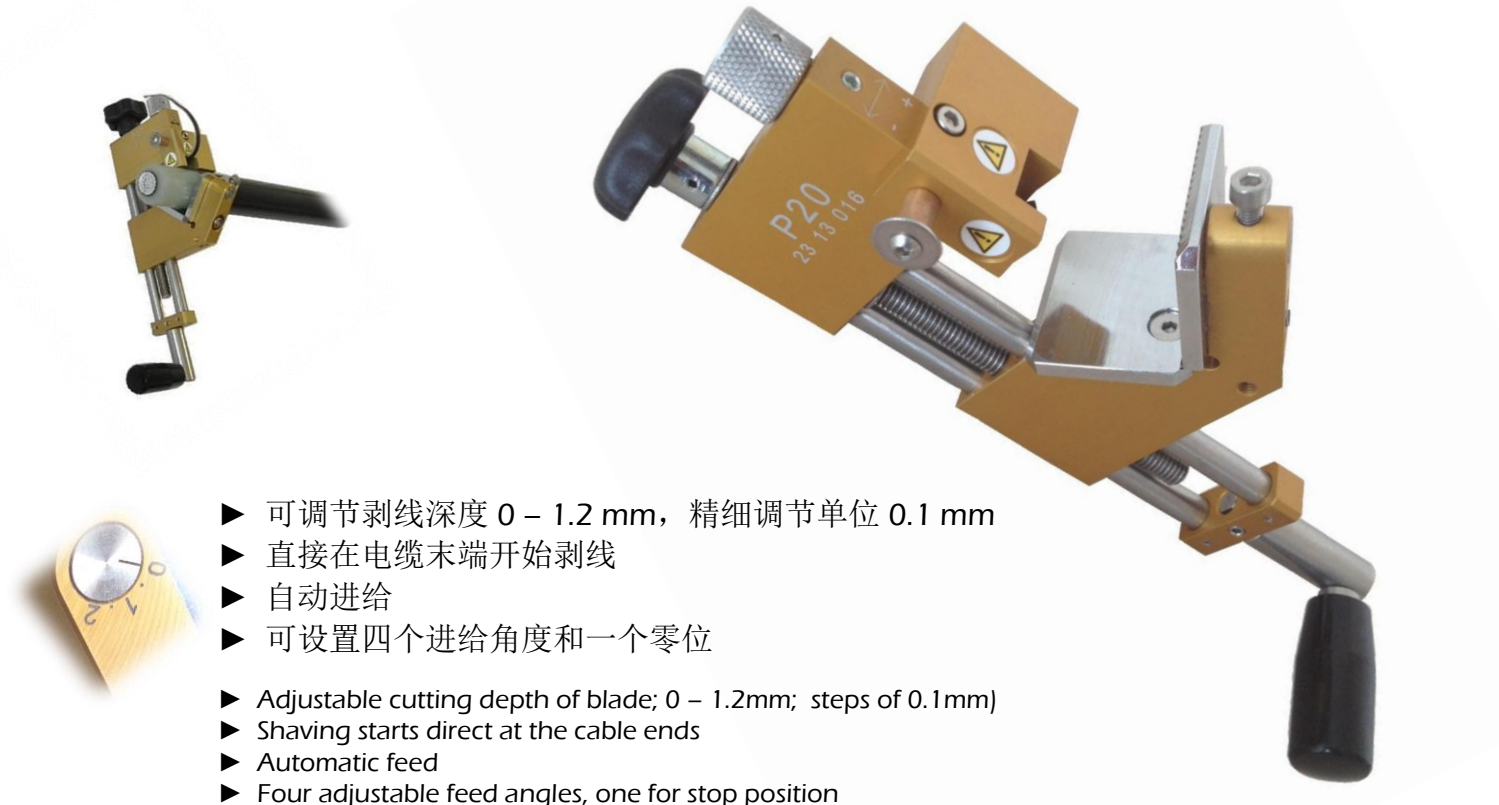
GB-P20

一种通用工具，用在 10 - 30 KV 以及更高电压水平的中压电缆上，可控地剥离坚硬的挤塑外导电层。工作范围 10 - 52 mm 电缆直径。剥离操作直接在电缆末端开始，移除尺寸约为 25 mm。

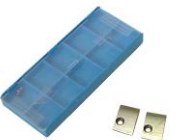
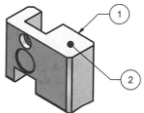
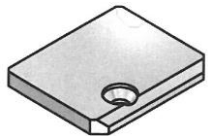
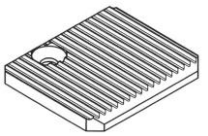
借助滑块，进给可预先确定并保证剥线表面始终如一的良好质量。剥线刀片由硬质合金磨削而成，剥线深度可手动调整并固定。在剥线操作结束时，可通过简单的滑块返回来实现圆形切割。为了获得最佳的剥线效果，进给片可以实现 5 档调节。0 = 径向圆切，1 = 较小的进给，用于较大的电缆横截面，2 = 较大的进给，用于较小直径电缆的快速且利落的处理。为了改善可操作性，手柄可以固定在两个不同的安装孔中。

One universal tool for shaving the bonded semi con layer of medium tension cables, 10 to 30 KV and even higher voltage. The working range is between 10 to 52 mm cable diameter. Due to the special profile of the sliding guide parts a defined working speed is guaranteed. The result is a well shaved surface with a constant and faultless finish. Once adjusted the cutting depth can be blocked to use the same cutting depth for further applications.

At the end of the shaving operation the stop is made manual by switching off the sliding guide part. Because of the special grinding and polishing of the tungsten carbide blade, the result is a perfect and smooth surface. There are three feed angles adjustments to support the stripping process and to reduce and avoid manual mistakes during the preparation.



- ▶ 可调节剥线深度 0 – 1.2 mm，精细调节单位 0.1 mm
- ▶ 直接在电缆末端开始剥线
- ▶ 自动进给
- ▶ 可设置四个进给角度和一个零位
- ▶ Adjustable cutting depth of blade; 0 – 1.2mm; steps of 0.1mm)
- ▶ Shaving starts direct at the cable ends
- ▶ Automatic feed
- ▶ Four adjustable feed angles, one for stop position

描述 /Description	型号 /Item	GBZ 码/code	
剥线钳套装 / Peeling Tool Set (设备在便携箱内 / Tool with storage box)	GB-P20-Set	17290 ~ 0,8 kg, 26x22x10cm	
剥线钳 / Peeling Tool	GB-P20	16227 ~ 0,5 kg, 20x10x10cm	
备用刀片 / Spare Blade	GB-PS20	16030 ~ 0,1 kg	
带螺钉备用刀片套盒 / Set of spare blades (5pieces with screws in box)	GB-P20-S6	17035 ~ 0,1 kg, 10x5x1 cm	
棉质腰带包 / Cotton Tool Bag	GB-TOOLBAG	24897 ~ 0,2 kg, 20x18x5 cm	
管装硅胶 100 ml / Silicone 100 ml	GB-Silikon100	16851 ~ 0,2 kg, 18x5x5 cm	
计量管装硅胶 100 ml / Silicone 100 ml with foam cap	GB-Silikon100SK	35999 ~ 0,2 kg, 20x5x5 cm	
导引滑块 / Guide	GB-24000	24000 ~ 0,1 kg, 4x3x1,5 cm	
滑板，光滑表面/ Sliding plate, flat surface	GB-16007	16007 ~ 0,2 kg, 4x4x0,5 cm	
滑板，起伏表面/ Sliding plate, profiled	GB-16008	16008 ~ 0,2 kg, 4x4x0,5cm	

剥线钳套装

Cable Peeling Tool Set

GB-P20-Set



示例组件
Example pattern

装配便携箱内包括:

- ▶ 剥线钳 GB-P20
- ▶ 管装硅胶 100 ml
- ▶ 操作说明, 附更换刀片钥匙
- ▶ 海绵衬便携箱

Complete box with:

- ▶ Cable peeling tool GB-P20
- ▶ silicone grease 100 ml
- ▶ OIM with allen screw driver for changing blades
- ▶ Box with inserts

装配便携箱套装, 约 500 mm²以下

Cable Peeling Tool Sets up to approx. 500 mm²

GB-PM20-Set 适用于所有连接方式

GB-PM20-Set/W 用于热缩技术(不包括倒角切割器 GB-KG05-3)

GB-PM20-Set for all different kind of cable joints /

GB-PM20-Set/W for heat shrinkable cable joints (without chamfering tool GB-KG05-3)

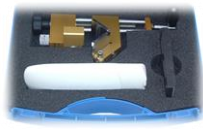
全套装配便携箱 GB-PM20-Set
包括:

- ▶ 护套切割器 GB-M20
- ▶ 塑料插件 GB-M20-S9
- ▶ 剥线钳 GB-P20
- ▶ 管装硅胶 100 ml
- ▶ 倒角切割器 GB-KG05-3
- ▶ 操作手册及更换刀片钥匙
- ▶ 海绵衬便携箱

Complete Tool Set with:

- ▶ Cable stripper GB-M20
- ▶ Plastic insert GB-M20-S9
- ▶ Cable peeling tool GB-P20
- ▶ Silicone grease 100 ml
- ▶ Chamfering Tool GB-KG05-3
- ▶ Manual Instruction with allen screw driver for changing blades
- ▶ Box with inserts to fit all items



描述 /Description	型号 /Item	GBZ 码/code	
剥线钳套装 (用于去除半导体层) / Peeling Tool Set (Removal of bonded semi-con screen layer)	GB-P20-SET	17290 ~ 0,8 kg, 26x8x22 cm	
全套装配便携箱 / Cable Jointing Kit	GB-PM20-SET	16785 ~ 3,5 kg, 40x32x11 cm	
全套装配便携箱 (用于热缩技术) / Cable Jointing Kit (applicable for heat shrinkable joints)	GB-PM20-SET/W	20770 ~ 3,5 kg, 40x32x11 cm	
全套装配便携箱 / Cable Jointing Kit	GB-LM20-SET	19910 ~ 3,5 kg, 40x32x11 cm	
全套装配便携箱 (用于热缩技术) / Cable Jointing Kit (applicable for heat shrinkable joints)	GB-LM20-SET/W	21165 ~ 3,5 kg, 40x32x11 cm	

剥线钳

Cable Peeling Tool

GB-L20



用于剥离 35mm² 10KV 至 500mm² 30KV 所有 VPE 单元电缆，夹紧范围为 15 至 49 mm 电缆直径，无需事先润滑核芯表面。滚轮导轨可极其平稳地操作。剥离的碎表皮通过设备上的表皮导向器自动从电缆上退绕。

选配的止动环组 GB-ASL20-S9 提供不同尺寸的黄铜圆盘，确保在安装边缘处有一个平直的出口，并防止损坏屏蔽线。HSS 刀的特殊磨片保证剥线端的表面非常平坦。

One cable peeling tool for all cross sections between 35 mm² and 500 mm² without need to use silicone grease. Working range diameter is from 15 to 49 mm. The distance rings guarantees a soft circular end cut by avoiding sharp edges.

Due to the solid construction of the tool the cutting speed is automatically made. A constant faultless finish of the surface is the result.

- ▶ 可校准的剥线深度
- ▶ 可调节的剥线部分长度
- ▶ 剥离边缘极其平坦
- ▶ 无需硅胶，且电缆芯无需润滑

- ▶ Cutting depth is adjustable
- ▶ Setting of distance
- ▶ Very smooth surface
- ▶ No silicone grease needed



装配手提箱套装

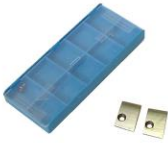
Complete Tool Set

GB-LM20-SET 用于所有连接技术/all joints

GB-LM20-SET/W 用于热缩技术/for heat shrink joints

- ▶ 带滑块的护套切割器 GB-M20
- ▶ 带止动环的剥线钳 GB-L20
- ▶ 倒角切割器 GB-KG05-3
- ▶ 操作手册
- ▶ 海绵衬便携箱

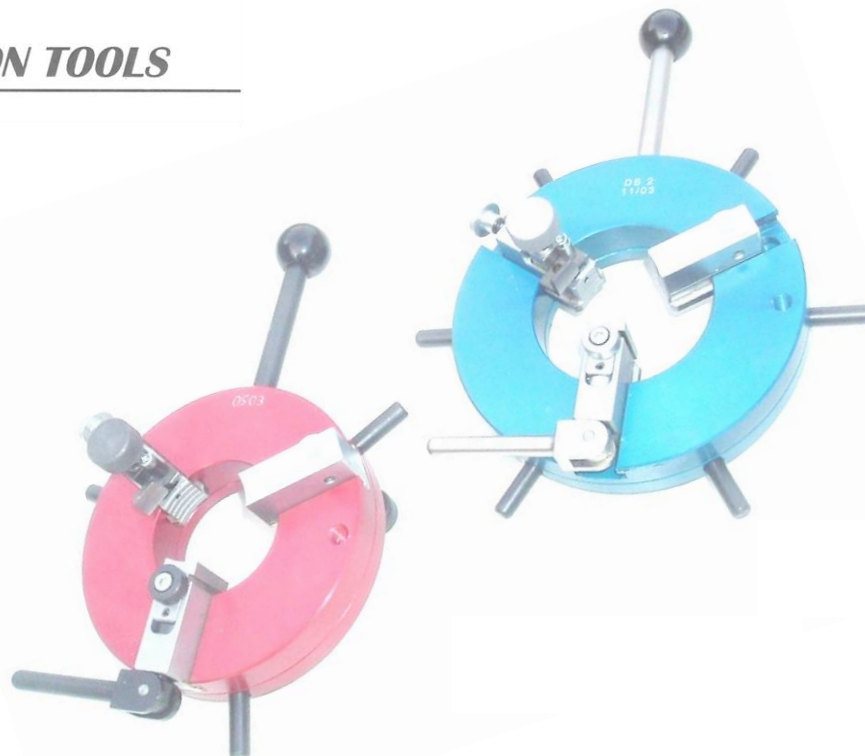
- ▶ Cable stripper M20 with plastic insert
- ▶ Cable Peeling Tool L20 with Stop rings
- ▶ Chamfering Tool GB-KG05-3
- ▶ Manual Instructions
- ▶ Box with inserts to fit all items

描述 / Description	型号 / Item	GBZ 码/code	
剥线钳 / Peeling Tool	GB-L20	11050 ~ 1,0 kg	
止动环(11 件) / Set of stop rings (11 pieces)	GB-ASL20-S9	12207 ~ 0,2 kg	11 件黄铜止动环, 用于电缆 Ø 18 至 48 mm 11 pieces stop rings of brass material for cable Ø 18 to 48 mm
可拆卸手柄 / Flexible handle	GB-L20-S11	11051 ~ 0,2 kg, cm	
备用刀片 / Spare Blade	GB-LS20	11052 ~ 0,1 kg	
备用刀片 (盒内 5 件) / Set of spare blades (5 pieces in box)	GB-L20-S8	12340 ~ 0,2 kg, 14x6x2 cm	
脚轮套装 (2016 年之前出品) / Set of rolls (until 2016)	GB-L20-S4	13501 ~ 0,2 kg	8 x 塑料轮 8 x 片与环 4 x 轴 8 x Plastic rolls 8 x Washers & Rings 4 x Axles
海绵衬便携箱 / Storage box with foaming	GB-PM20-BOX	16913 ~ 0,5 kg, 40x32x11 cm	
棉质腰带包 / Cotton Bag	GB-TOOLBAG	24897 ~ 0,2 kg, 20x18x5 cm	

剥线钳

Cable Peeling Tool

GB-DS1 (Ø 16 – 40 mm)/
GB-DS2 (Ø 34 – 60 mm)



两种通用工具，用于在中压电缆上剥离坚硬的挤塑外导电层，支持 10-30KV 及更高的电压水平。三个导向爪确保了设备的最佳同心度。即使是椭圆形或是弯曲的电缆，弹簧加载的导向爪也能做到加工精准，剥离效果突出。剥线刀的切割深度可借助微调变化。剥离结束时，设备在先前固定的挡块上利落退出。

Two universal tools for shaving the bonded semi-con layer of medium tension cables, 10 – 30 KV and even higher voltage. The tools are equipped with a spring guided sliding block which compensates oval cable. A well shaved surface, with a constant, faultless finish is guaranteed. The cutting depth of the blade is adjustable. The tool stops shaving when it reaches the stop rings. Because of the special grinding of the blade, the result will be a perfect, smooth surface.

- ▶ 剥线直接从电缆末端开始
- ▶ 剥线刀的切割深度可以重新校正
- ▶ 自动进给
- ▶ Peeling operation starts direct at the cable ends
- ▶ Cutting depth of blade adjustable
- ▶ Automatic feed



全套便携箱 GB-DM20-Set

用于 500mm² 以下电缆铺设，箱内包括护套切割器 GB-M20、剥线钳 GB-DS1 和倒角切割器 GB-KG05-3

Complete jointers box GB-DM20-Set

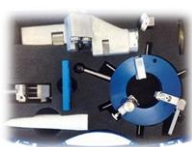
for cable preparation up to approx. 500 mm² included Cable Stripper GB-M20, Peeling Tool GB-DS1 and Chamfering Tool GB-KG05-3 with storage box.

全套便携箱 GB-DM30-Set

用于 500mm² 以上电缆铺设，箱内包括护套切割器 GB-M30、剥线钳 GB-DS2 和倒角切割器 GB-KG05-5

Complete jointers box GB-DM30-Set

for cable preparation from approx. 500mm² included Cable Stripper GB-M30, Peeling Tool GB-DS 2 and Chamfering Tool GB-KG05-5 with storage box.

描述 /Description	型号 /Item	GBZ 码/code	
剥线钳 16-40 mm / Peeling Tool 16-40 mm	GB-DS1	12211 ~ 1,0 kg, Ø 17 x10 cm	
止动环 (套装含 11 件) / Set of Stop Rings (11 pieces)	GB-ASL20-S9	12207 ~ 0, kg, cm	11 件黄铜止动环用于 电缆 Ø 18 至 48 mm 11 stop rings of brass material for cable Ø 18 to 48 mm
剥线钳 Ø 34 – 60 mm/ Peeling Tool Ø 34-60 mm	GB-DS2	12210 ~ 1,5 kg, Ø 20 x 10 cm	
止动环 (套装含 8 件) / Set of Stop Rings (8 pieces)	GB-ASL20-S9/2	12206 ~ 0,2 kg	9 件黄铜止动环用于电 缆 Ø 34 至 62 mm 8 stop rings of brass material for cable Ø 34 to 62 mm
备用刀片，适用于 GB-DS1 和 GB-DS2 / Spare Blade for GB-DS1 and GB-DS2	GB-DS-101	12339 ~ 0,1 kg	
管装硅胶 100 ml / Silicone grease 100 ml	GB-Silikon 100	16851 ~ 0,2 kg	
计量管装硅胶 100 ml / Silicone grease with foam cap	GB-Silikon100SK	35999 ~ 0,2 kg	
海绵衬便携箱 / Storage Box with foaming	GB-DM20-BOX	17732 ~ 0,5 kg, 40x32x11cm	
全套装配便携箱，500mm ² 以下 / Complete Jointers Set up to 500mm ²	GB-DM20-SET	37482 ~ 4,0 kg, 40x32x11cm	
全套装配便携箱，800mm ² 以下 / Complete Jointers Set up to 800mm ²	GB-DM30-SET	37475 ~ 4,5 kg, 40x32x11cm	

混合式剥线钳 Hybrid Cable Peeling Tool GB-ES1 (Ø 16-40 mm)



剥线钳 GB-ES1 若由电动改锥驱动，可以快速、有效且极其均匀地为直径 16-40 mm 的中压电缆剥除绝缘层。三个导向爪确保设备运行的最佳同心度。即使是椭圆形和弯曲的电缆，弹簧加载的导向爪也可以确保加工精准，剥线效果极佳。剥线刀的切割深度可以通过微调机构来调节。剥线结束时，设备在预先固定好的挡块处干净利落的退出。剥线点至电缆末端的最小距离约为 20 mm。



作为配套工具的基本设备，本品附件包括管装硅胶、钻头适配器、手动操作用的手摇曲柄以及便携运输箱。请使用商用的电动改锥驱动，并务必注意转速。我们建议电动改锥的转速应小于 1000 rpm，以确保安全的操作和最佳的剥线效果。

如果不使用电动改锥，也可以手动操作 GB-ES1 混合式剥线钳，方式与 GB-DS1 剥线钳类似。您要做的只是手动地把附件手柄沿电缆外缘旋转，同样可以实现完美的剥线。

The GB-ES1 peeling tool, which is driven by a cordless screwdriver, peels the conductive layer of medium voltage cables with a diameter of Ø 16-40 mm quickly, effectively and extremely homogeneously. The three guide jaws ensure optimum concentricity of the tools at all times. A spring-loaded guide jaw guarantees that even oval and curved cables are processed cleanly and with a very good peeling result. The cutting depth of the peeling knife can be adjusted via a fine adjustment. At the peeling end the tool runs out cleanly at a previously fixed stop. The minimum distance is approx. 20 mm to the settling edge.

The tool is supplied as a basic unit with silicone tube, bit adapter, crank handle for manual operation and transport box. For the electric drive, please use a standard cordless screwdriver. Please pay attention to the rotation speed. We recommend a rotation speed of the cordless screwdriver of less than 1000 rpm for safe working and optimum peeling results.

If no electric drive is available, the GB-ES1 Hybrid peeling tool can also be operated manually, similar to the GB-DS1 peeling tool. For this purpose, the hand crank on the device must only be guided around the cable by hand.



描述 /Description	型号 /Item	GBZ 码/code	
混合式剥线钳 16-40 mm / Hybrid Peeling Tool	GB-ES1	41421 ~ 1,6 kg, Ø 125 x 112 mm	
用于 GB-ES1 的套筒扳手插件 Socket wrench insert for GB-ES1	套筒扳手插件	42233 SWB - 适配器 SW ¼" SWB - Adapter SW ¼"	
全套手柄 Handle Crank handle complete	手柄	33051	
备用刀片GB-ES1 Spare Blade for GB-ES1	GB-DS-101	12339 ~ 0,1 kg	
管装硅胶 100 ml / Silicone grease 100 ml	GB-Silikon 100	16851 ~ 0,2 kg	
计量管装硅胶 100 ml / Silicone grease with foam cap	GB-Silikon 100SK	35999 ~ 0,2 kg	
海绵衬便携箱 / Storage Box with foaming	GB-ES1-BOX	42770 391 x 304 x 134 mm	

导电层的冷剥离 — 多功能工具 “Easy strip”

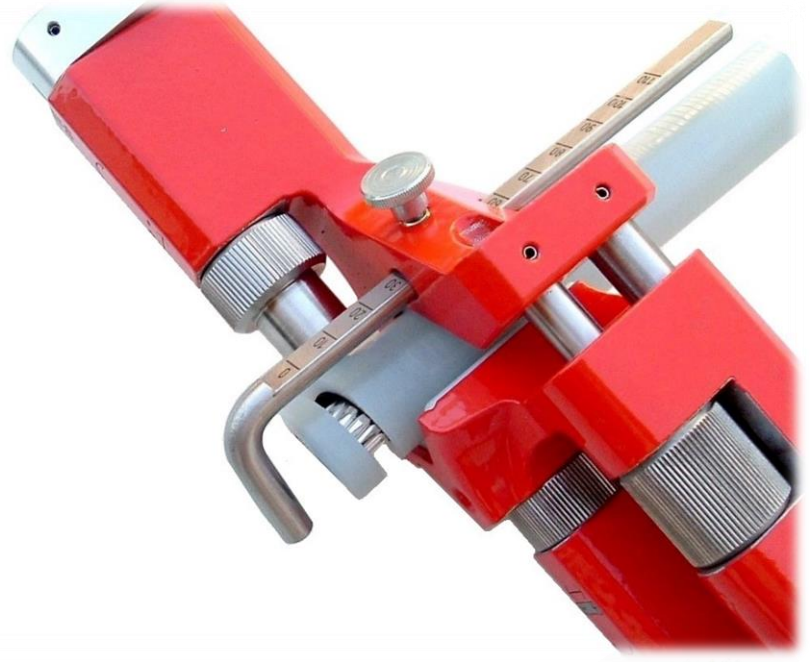
Cable Stripper

GB-FLM20-UK

一件工具，完成所有三个工作步骤，
用于处理具有冷剥离半导体层的中压电缆

Just only one tool for all 3 steps of cable
jointing of medium voltage cables with
easy-strip semiconductor screen.

- ▶ 外护套的切入与移除
- ▶ 半导体层的刻痕可控
- ▶ 内导电层的切入与移除
- ▶ Cutting and removing of outer screen
- ▶ Depth guided scoring of semi-con screen
- ▶ Cutting and removing of insulation

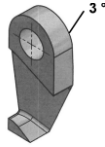


棱柱/
Plastic insert

使用直径为 20 - 58 mm 的电缆。将外护套和绝缘层切割至 10mm 的壁厚。可以设定半导体层刻划的切割深度，并根据材料的厚度将其限制在 0.3 / 0.4 mm 或 0.7 / 0.8mm。借助止动杆，所需绝缘层移除长度可精确保持。

Working range is between diameter 20 – 58 mm. Cuts the outer sheath and the insulation up to a thickness of maximum 10 mm. The scoring depth for cutting the easy-strip semi conductive layer can be fixed by 0.3/0.4 ore 0.7/0.8 mm due to the thickness of the layer.



描述 /Description	型号 /Item	GBZ 码/code	
带便携箱的组合工具 / Multitool with storage box	GB-FLM20-UK	17985 ~ 1,5 kg, 30x8x8cm	
备用刀片 3° 去除外护套 / Spare Blade 3° Cutting	GB-FLM20-S1	13446 ~ 0,1 kg	
备用刀片，半圆锥，2 级 / Spare Blade Scoring 2 depths	GB-FLM20-S2	14928 ~ 0,1 kg	
塑料滑块，用于 25 – 50 mm ² / Plastic insert for 25 – 50 mm ²	GB-FLM20-S9	24413 ~ 0,1 kg	
滑板套装(4 件) / Set of sliding plates (4 pieces)	GB-17034	17034 ~ 0,1 kg	4 带防滑膜的滑板 4 pieces sliding plates with glue
管装硅胶 100 ml / Silicone grease 100ml	GB-Silikon 100	16851 ~ 0,2 kg	
计量管装硅胶 100 ml / Silicone grease with foam cap	GB-Silikon100SK	35999 ~ 0,2 kg	

护套切割器

Cable Stripper

GB-FLM10

简单安全的切割工具，适用于不同的剥线应用。剥离塑料电缆最粗可达约 16mm²，外径为 **Ø6 至 28 mm** 的同轴电缆以及数据电缆，或对可剥离导电层的外半导体层进行刻蚀。GB-FLM10 设计精巧，非常适合加工楔形区的三芯电缆。加上一个额外的保护套，该装置还可用于切割塑料管。

通过无级调节进给螺杆，可以全范围调节刀具的切削深度。夹套上的切割可以通过螺旋切割或纵向切割然后再进行圆形切割来完成。为避免电缆可能形成椭圆形，刀架是弹簧支撑的。刀具由硬化工具钢制成，并可轻松更换。

Easy and safe cutting tool with different kind of functions. This tool cuts and removes the jacket of plastic cables up to 16 mm², coaxial cables and data cables from diameter **Ø 6 up to 28 mm** and further more it can score the outer screen of peelable semi-conducting cables. Because of its configuration it's very helpful to work on a 3-conductor-cable very close to the centre. Besides this tool is useable to cut plastic pipes, also with an additional safety jacket.

The cutting depth of the blade is infinitely variable and will be universal adjusted by setting a screw. This avoids any damaging of screens underneath the outer layer. You can cut the jacket by a spiral cut or a longitudinal with final circular cut. The blade holder is spring loaded, so existing ovalities of the cable will be balanced. The blade is made of hardened tool-steel and can be changed easily.

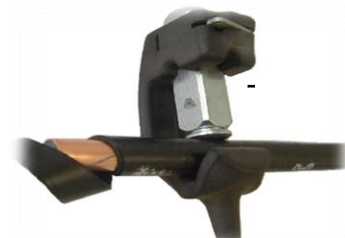
► 切入可撕除半导体层

► Cutting of peelable
Semi-conductor layer



► 切入外护套：
塑料电缆、同轴电缆或塑料管

► Cutting of jackets:
- Plastic cables
- Coaxial cables
- Plastic pipes



描述 /Description	型号 /Item	GBZ 码 code	
负重电缆用护套切割器 / Mini Cable Stripper for flexible cable	GB-FLM10	26063 ~ 0,3 kg, 10x5x3 cm	
备用刀片，适用于 GB-FLM10 / Spare Blade for GB-FLM10	GB-FLM10-EM	26064 ~ 0,1 kg, Ø 1 x 5 cm	

锥形切割器 20 KV

Cone cutter 20 KV

GB-KS 系列

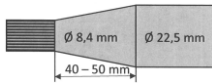
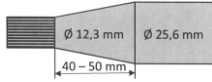
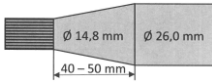
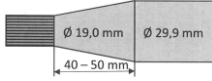
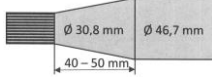
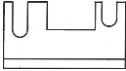
用于对阶梯式导体绝缘层进行锥形倒角的切割工具

- ▶ 用剥线钳处理导电层
- ▶ 用护套切割器减小绝缘层尺寸
- ▶ 用合适的锥形切割器剥去绝缘层

Cone cutting tool for chamfering the insulation of medium voltage cables 20 KV.

- ▶ Peeling of the extruded semi con layer.
- ▶ Remove insulation.
- ▶ Choose right size of Cone Cutter and cut the insulations

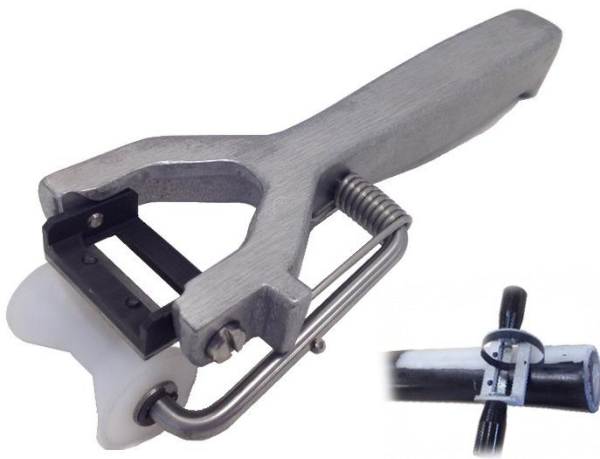


描述 /Description	型号 /Item	GBZ 码/code	
锥形切割器 50 mm ² / Cone Cutter 50 mm ²	GB-KS10	14479	
锥形切割器 95 mm ² / Cone Cutter 95 mm ²	GB-KS20	14767	
锥形切割器 150 mm ² / Cone Cutter 150 mm ²	GB-KS30	14768	
锥形切割器 240 mm ² / Cone Cutter 240 mm ²	GB-KS40	14769	
锥形切割器 630 mm ² / Cone Cutter 630 mm ²	GB-KS50	14480	
备用刀片 / Spare Blade	GB-KG-ES	14472	

纵向剥线器

Longitudinal Peeling Tool / Smoothing Plane

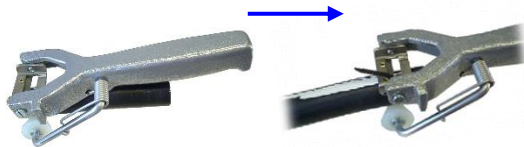
GB-HS20 / GB-HS10



特别适合纵向剥离引线上的挤塑半导体层，处理后电缆横截面呈扇形。这种处理用市售的旋转剥线钳无法实现。因为沿纵向切割，所以某些 EPR 电力电缆的橡胶绝缘材料也可以剥离。切割深度约为 0.6 mm (GB-HS20) / 0.3 mm (GB-HS10)。GB-HS10 能可控地移除纵向缝接的挤塑导电层。

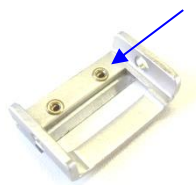
A cable peeling tool particularly developed for the longitudinal removing of the bonded semi con screen of medium voltage cables with triangle profiled cross-section. It is not possible to peel the surface with usual rotating cable tools. The maximum cutting depth is limited by approx. 0.6 mm (GB-HS20) and 0.3 mm (GB-HS10). Due to the alongside peeling direction of the cutting blade it may be also possible to peel & remove the bonded screen layer of EPR rubber based cables.

1. 固定工件
1. Apply the tool
2. 纵向拉扯
2. Pulling



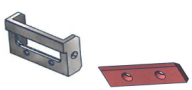
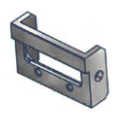
将剥线钳放在电缆上，用手柄牢牢按下，然后将其纵向拉向电缆末端。在圆周上执行该操作，直到完全去除导电层。表面进行必要的平滑处理后，在绝缘层前部区域放置电缆接线片。

Apply the tool on the cable by adapting the slide roller underneath the cable. Then pull slightly the tool alongside to the cable ending. Due to the depth guidance of the blade the cutting thickness is restricted by approx. 0.6 to 0.7 mm. Continue with the preparation until the layer is removed, completely. Afterwards the surface must be polished to get a flat and smooth surface.



更换刀片时松开刀片架上的两个螺钉，插入并拧入新刀片。

For the changing of the blade release both screws on blade body and fix the new blade.

描述 /Description	型号 /Item	GBZ 码/code	
纵向剥线器, 附包 / Longitudinal Peeler with bag	GB-HS20	23917 ~ 0,4 kg, 21x8x4 cm	
小型纵向剥线器 / Midget Longitudinal Peeler	GB-HS10	35911 ~ 0,2 kg, 15x4x2 cm	
备用刀片 (适用于 HS10 & 20) / Spare Blade (suitable for HS10 & 20)	GB-22524	22524 ~ 0,1 kg	
备用刀片 + 刀片架 (仅用于 HS20) / Spare Blade with holder (suitable only for HS20)	GB-HS20-EM	23784 ~ 0,1 kg	
刀架 (仅用于 HS20) / Blade holder (suitable only for HS20)	GB-22525	22525 ~ 0,1 kg	
弹簧夹 / Spring Bracket	GB-23930	23930 ~ 0,1 kg	
导辊 / Guide Roll	GB-23899	23899 ~ 0,1 kg	
支腿弹簧 / Yoke spring	GB-23931	23931 ~ 0,2 kg	
棉质工具包 / Cotton Bag	GB-TOOLBAG	24897 ~ 0,2 kg, 20x18x5 cm	

倒角切割器

Chamfering Tool, universal

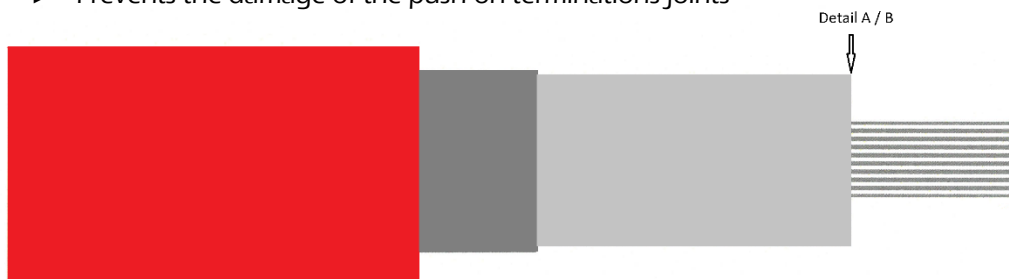
GB-KG-05-3 (max. 40 mm Ø)

GB-KG-05-5 (max. 60 mm Ø)

通用倒角切割器，用于中压电缆绝缘层的安全倒角。

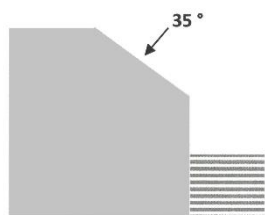
Just one tool for the complete range of medium voltage cables. Simple to handle and safe in use. This tool cuts the sharp edge of the removed insulation to avoid any damages of the push-on termination joints.

- ▶ 适用于 800mm² 以下所有标准横截面的中压电缆
- ▶ 使用倒角切割器时，推力被减至最小，避免了对电缆组件的损坏
- ▶ Universal tool for preparing every cable insulation
- ▶ Prevents the damage of the push-on terminations joints



用普通切割刀加工出的斜度

Chamfering of inside insulation, Detail A with standard blade

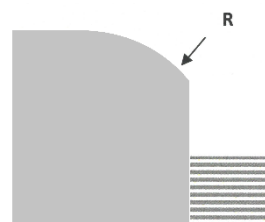


11138 Chamfering Tool GB-KG05-3 (Ø up to 40 mm)

37973 Chamfering Tool GB-KG05-5 (Ø up to 60 mm)

用技必择带半径测量切割刀加工出的斜度

Chamfering of inside insulation, Deatil B with round blade



16506 Chamfering Tool GB-KG05-3/R (Ø up to 40 mm)

24472 Chamfering Tool GB-KG05-5/R (Ø up to 60 mm)

描述 /Description	型号 /Item	GBZ 码/code	
倒角切割器 / Chamfering Tool (Ø max. 40 mm)	GB-KG05-3	11138 ~ 0,25 kg	
倒角切割器 / Chamfering Tool (Ø max. 60 mm)	GB-KG05-5	37973 ~ 0,3 kg	
备用刀片, 35° 棱角 / Spare Blade, 35° chamfer	GB-KG0.5-3-EM	11148 ~ 0,1 kg	
带半径测量仪的倒角切割器/ Chamfering Tool with radius formed blade (Ø max. 40 mm)	GB-KG05-3/R	16506 ~ 0,25 kg, cm	
带半径测量仪倒角切割器 / Chamfering Tool with radius formed blade (Ø max. 60 mm)	GB-KG05-5/R	24472 ~ 0,3 kg	
备用刀片, 圆形 / Spare Blade, rounded	GB-KG-EM/R	14603 ~ 0,1 kg	

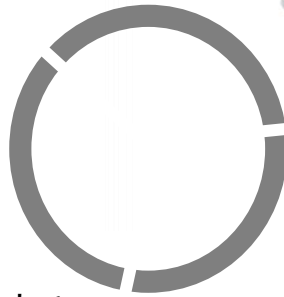
倒角切割器, 用于 20 KV 电缆  Chamfering Tool for 20 KV cable	型号/Item	GBZ 码/Code	截面积
	GB-KG05	11409 ~ 0,2 kg	50 mm ²
	GB-KG08	11139 ~ 0,2 kg	95 mm ²
	GB-KG1	11140 ~ 0,2 kg	150 mm ²
	GB-KG2	11141 ~ 0,2 kg	240 mm ²
	GB-KG3	11142 ~ 0,2 kg	400 mm ²
	GB-KG4	11143 ~ 0,2 kg	500 mm ²
	GB-KG-4S	18490 ~ 0,2 kg	630 mm ²
	GB-KG-EM	15570 ~ 0,1 kg	

电缆撬剥工具 Tools for Cable Opening

电缆护套的切割和圆形压制。通过深度停止控制切入深度。

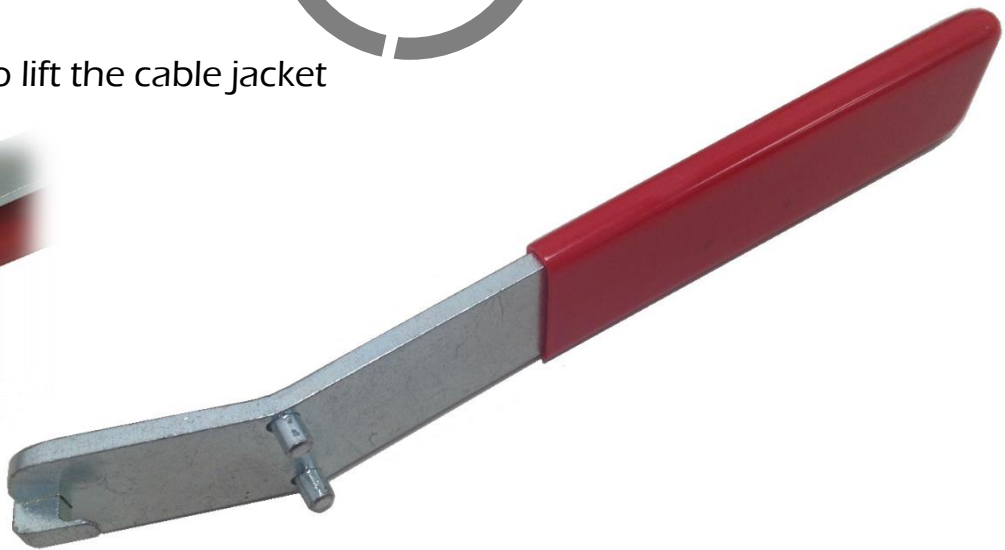
Jacket Tool –

To cut a slot inside the jacket, 4 different cutting depths, approx. cutting length of 40 mm.
2nd function the tool can be used to crimp the cable jacket after inserting the connectors.



用于撬剥的安装辅助

Jacket Opener – To lift the cable jacket



接线端子 / Jacket Shoe (3 种规格 50/95 mm² - 150/240 mm² - 630 mm²)

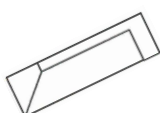
接线端子 / Jacket Shoe 50/95 mm²

接线端子 / Jacket Shoe 150/240 mm²

接线端子 / Jacket Shoe 630 mm²

手柄 / Handle universal



描述 /Description	型号 /Item	GBZ 码/code	
电缆撬剥器 / Jacket Tool for cable screen	GB-13968	13968 ~ 1,0 kg, 35x10x8 cm	
备用刀片 / Spare Blade	GB-14061	14061 ~ 0,1 kg	
深度调节止块 / Stop wheel djustable cutting depth	GB-14060	14060 ~ 0,1 kg	
电缆扩张器 / Jacket Opener	GB-12431	12431 ~ 0, kg, cm	
接线端子 50/95 mm ² / Jacket Shoe 50/95 mm ²	GB-14539	14539 ~ 0,2 kg	
接线端子 150/240 mm ² / Jacket Shoe 150/240 mm ²	GB-14541	14541 ~ 0,2 kg	
接线端子 630 mm ² / Jacket Shoe 630 mm ²	GB-14542	14542 ~ 0,2 kg	
接线端子手柄 / Handle for Cable Shoe	GB-14543	14543 ~ 0,2 kg	
黑色棉质工具包/ Tool bag, black cotton	GB-TOOLBAG	24897 ~ 0,2 kg, 20x18x5 cm	

纵向切割器 GB-KL20 / Cable Sheath Cutter GB-KL20



用于切割能源、电信和光纤电缆。允许安全切割塑料电缆护套。附有助于切割光纤电缆和横截面较小的电缆的附件。

For longitudinal cutting of energy, telecommunication and fibre optic cables. Safe cutting and removing of cables with synthetic jacket. Including additional inserts for the cutting of fibre-optic cables and cables with small diameters.

- ▶ 抗冲击塑料外壳
- ▶ 操作简便
- ▶ 使用安全
- ▶ 双刃硬化特种钢
- ▶ 切割深度可调
- ▶ Safe use
- ▶ Impact resistant tool body
- ▶ Easy handling
- ▶ Twin sided blade
- ▶ Adjustable cutting depth

GB-KL20 折叠工具箱

GB-KL20 Tool with box

GB-KL20-EM 备用刀片

GB-KL20-EM Spare Blade

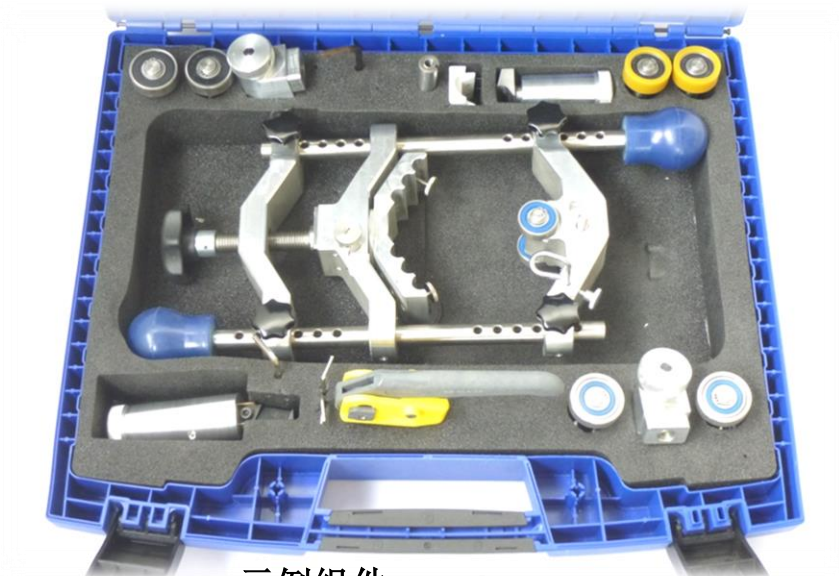


高压用组合工具

Multi Tool for high voltage cables

GB-FLM1 10

(Ø 40 – 130 mm)



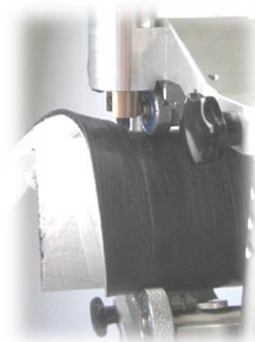
示例组件 / Sample Equipment

适用于所有应用的工具：

- ▶ 剥去电缆护套上的外导电层
- ▶ 切入并去除外护套
- ▶ 剥离挤塑的半导体层
- ▶ 精确切割绝缘层中的圆周凹槽
- ▶ 切割并移除导体绝缘层

Just one tool for all applications:

- ▶ Peeling of conductive layer of outer jacket
- ▶ Cutting and removing of outer jacket
- ▶ Peeling of bonded semi-con screen
- ▶ Cutting of profiled grooves
- ▶ Cutting and removing of insulation



高压用组合工具

Multi Tool for high voltage cables

GB-FLM1 10

(Ø 40 – 130 mm)

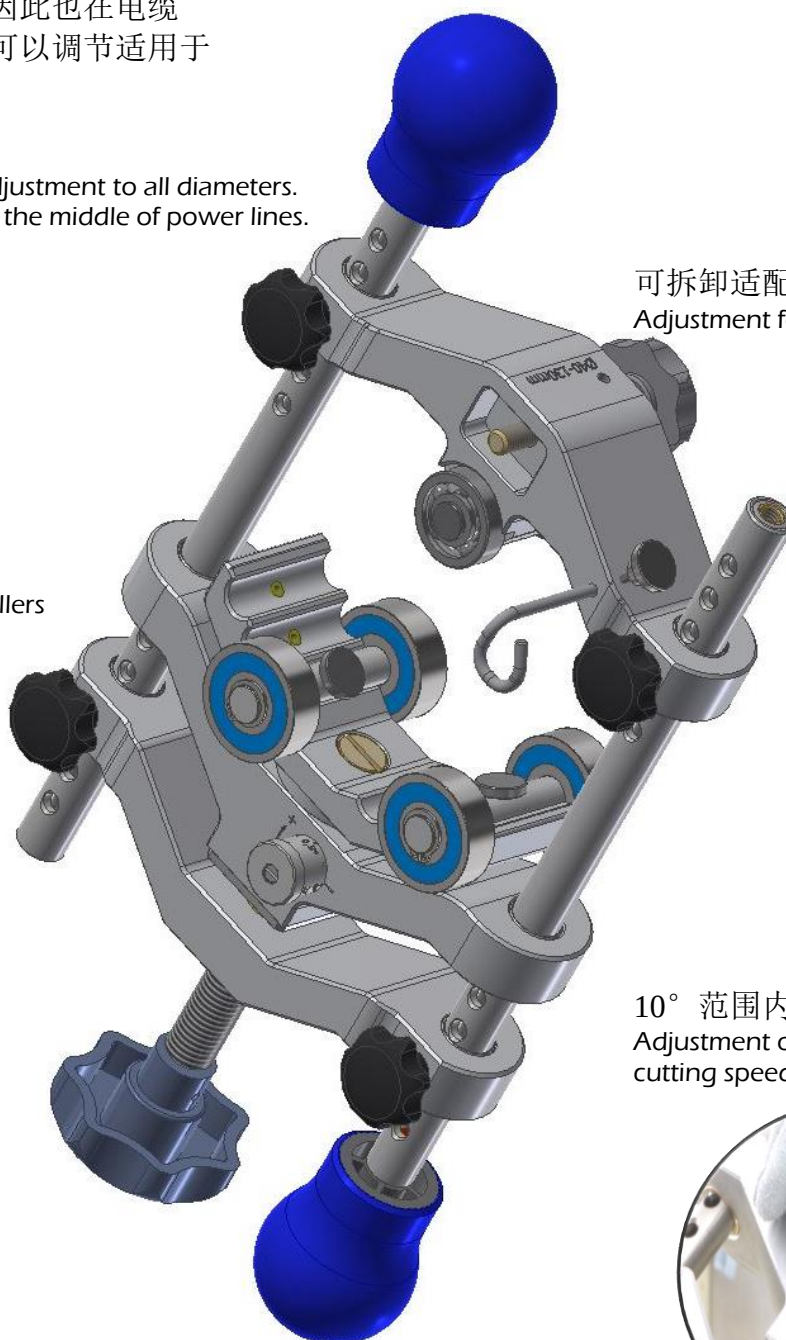
该工具可以完全拆卸，因此也在电缆路线的中间安装使用。可以调节适用于所有电缆直径。

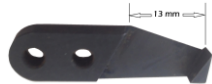
Easy dissassembly and fast adjustment to all diameters.
This tool can be used also in the middle of power lines.

导辊的通用定位
Universal setting of guide rollers

可拆卸适配器的校准
Adjustment for Adaptors

10° 范围内无级调节进给角度
Adjustment of universal setting of
cutting speed 0 - 10°



描述 /Description	型号 /Item	GBZ 码/code	
便携箱内高压用组合工具 Multitool High Voltage with storage box	GB-FLM110SET	32431 ~ 3,2 kg, 45x25x12cm	
便携箱内高压用基本工具 Basic Tool with storage box	GB-FLM110	29470 ~ 3,0 kg, cm	只有基本工具，便携箱内没有适配器 Just Basic Tool with storage box, no Adaptors!
附带 22 mm 刀片的切割适配器 Cutting Adaptor with blade 22mm	GB-FLM110-S1	32616 ~ 0,3 kg	
附带刀片的剥线适配器 Peeling Adaptor with blade	GB-FLM110-S2	32615 ~ 0,3 kg	
剥线刀，用于 GB-FLM110 Peeling Blade for GB-FLM110	GB-LS110A	31823 ~ 0,1 kg	
13 mm 切线刀 用于 M110 和 FLM110 Cutting Blade 13 mm for M110 and FLM110	GB-MS110A	20445 ~ 0,1 kg	
22 mm 切线刀 用于 M110 和 FLM110 Cutting Blade 22 mm for M110 and FLM110	GB-MS110B	22150 ~ 0,1 kg	
35 mm 切线刀 用于 M110 和 FLM110 Cutting Blade 35 mm for M110 and FLM110	GB-MS110C	27460 ~ 0,1 kg	
便携箱内的纵向切割器 Cable Sheath Cutter with box	GB-KL20	35846 ~ 0,3 kg, 20x8x4 cm	
双刃备用刀片 / Spare Blade with twin cutting edge	GB-KL20/EM	35848 ~ 0,1 kg	

高压电缆用护套切割器

Cable Stripper for high voltage cables

GB-M110

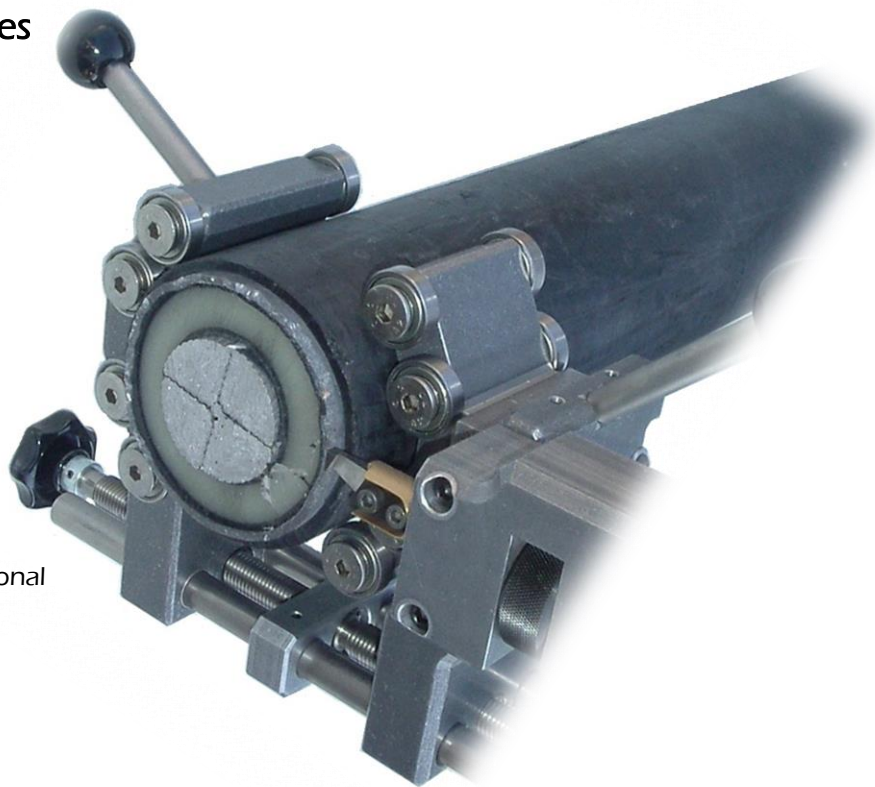
(Ø 50 – 130 mm)

用于切割和移除外护套以及导体绝缘层的工具

径向切割的两个进给点和一个零位均可调

One tool for cutting and removing both, outer jacket and insulation.

Two cutting speeds are adjustable and one additional position for a circular radial cutting.



高压用剥线钳

Cable Peeling Tool for high voltage cables

GB-KS2-2

(Ø 40 – 110 mm)

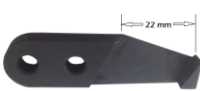
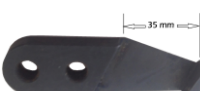
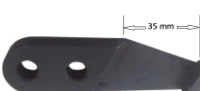
剥线工具，安全均匀剥离高压电缆的挤塑半导体层

For safe removing of bonded semicon layer on high voltage cables. With a perfect and smooth finish of the surface.

Adjustable for various diameters by flexible setting of the rolls.



描述 /Description	型号 /Item	GBZ 码/code	
护套切割器，带便携箱 Cable Cutter with storage box	GB-M110	15288 ~ 3,2 kg, 45x25x12cm	
剥线钳，带便携箱 Cable Tool with storage box	GB-KS-2-2	14591 ~ 3,0 kg, cm	

剥线刀，用于 GB-KS2-2 Peeling Blade for GB-KS2-2	GB-SS-1100	11199 ~0,1 kg	
13 mm 切线刀 用于 M110 和 FLM110 Cutting Blade 13 mm for M110 and FLM110	GB-MS110A	20445 ~0,1 kg	
22 mm 切线刀 用于 M110 和 FLM110 Cutting Blade 22 mm for M110 and FLM110	GB-MS110B	22150 ~0,1 kg	
35 mm 切线刀 用于 M110 和 FLM110 Cutting Blade 35 mm for M110 and FLM110	GB-MS110C	27460 ~0,1 kg	
纵向切割器，带便携箱 Cable Sheath Cutter with box	GB-KL20	35846 ~ 0,3 kg, 20x8x4 cm	
双刃备用刀片 Spare Blade with twin cutting edge	GB-KL20/EM	35848 ~ 0,1 kg	

手动切线剪，用于铜缆和铝缆

Cable Cutters for CU- and AL cables

GB-MKS-系列

功效显著，安全鲁棒

- ▶ 高强度锻造特种钢
- ▶ 经硬化刀锋
- ▶ 经调质处理金属件
- ▶ 符合人体工程学的塑料手柄套
- ▶ 棘轮控制的步进切割



High quality tool solution, easy to handle, safe to use

- ▶ Made of high quality steel
- ▶ Hardened blades
- ▶ Rustproof metal parts
- ▶ Handy grips
- ▶ Cutting step by step

Einsatztabelle / Working range

描述 /Description	型号 /Item	GBZ 码/code	应用范围/Range
切线剪 / Cable Cutter	GB-MKS-300	12557	Ø 35 mm Cu/AL
切线剪 / Cable Cutter	GB-MKS-500	12555	Ø 52 mm Cu/AL
切线剪 / Cable Cutter	GB-MKS-600S	12521	Ø 62 mm Cu/AL
切线剪 / Cable Cutter	GB-MKS-800S	14577	Ø 80 mm Cu/AL



型号/Article	描述	Description	价格/Price
GB-M20	护套切割器	Cable Stripper	
GB-M20-S8	刀片套装 (5 件)	Set of blades (5 pieces)	
GB-MS20	备用刀片, 用于 GB-M20	Spare blade for GB-M20	
GB-MS20/3°	特种备用刀片 3°	Special Spare Blade 3°	
GB-M20-S9/R	带轮廓的滑块	Slide with grooves	
GB-M20-S 9	塑料滑块	Plastic insert	
GB-M20-S10	脚轮套装, 轴承	Set of rolls, bearings	
GB-M20-S5	脚轮套装	Set of rolls	
GB-TOOLBAG	棉质腰包	Cotton Bag	
GB-PM20-Box	便携箱	Storage Box with foaming	
GB-PM20-SET	安装套件	Set of tools	
GB-PM20-SET/W	安装套件 (热缩技术)	Set of tools (Heat Shrink Joint)	
GB-M30	护套切割器	Cable Stripper	
GB-M30-S 8	刀片套装 (5 件)	Set of blades (5 pieces)	
GB-M30-S9	塑料滑块	Plastic Slide	
GB-MS30	备用刀片, 用于 GB-M30	Spare Blade for GB-M30	
GB-M1	M1 切割工具, 用于护套管	M1 Cutting Tool for Protection Pipes, Ø 32-70 mm	
GB-M1-EM	备用刀片	Spare Blade	
GB-AM20	护套切割器 Ø 26 – 62 mm	Cable Sheath Stripper Ø 26 – 62 mm	
GB-AM30	护套切割器 Ø 47 - 75 mm	Cable Sheath Stripper Ø 26 – 62 mm	
GB-AM-S10	纵向切割备用刀片 (2.5/3 mm)	Spare Blade for straight cut (2,5/3mm)	
GB-AM-S11	圆形切割用刀片套装 (约 3.0/3.5 mm)	Set of Spare Blades for round cut (ca.3,0/3,5mm)	
GB-AM-S12	带螺钉爪 (用于 AM20)	Claws with screws (for AM20)	
GB-AM20-S1	带螺钉刀片护具 (用于 AM20)	Blade protection with screw (for AM20)	
GB-AM20-S2	脚轮, 用于 AM20, Ø 30 mm	Aluminium Roller for AM20, Ø 30mm	
GB-AM30-S1	带螺钉刀片护具 (用于 AM30)	Blade protection with screw (for AM30)	
GB-AM30-S2	脚轮, 用于 AM30	Aluminium Roller for AM30, Ø 45mm	
GB-AM-S13	垫片套筒可减少切割深度	Aluminium rings for reducing the cutting depth	
GB-P20	剥线钳, 10 - 30 KV	Peeling tool, 10 - 30 KV	
GB-P20-S6	刀片套装 (5 件)	Set of blades (5 pieces)	
GB-P20-Box	便携箱	Case/Box	
GB-P20-Set	剥线钳, 带手提箱	Peeling tool with box	
GB-Silikon100	硅胶 100ml, 备用管	Silicone grease 100ml	
GB-Silikon100SK	计量管装硅胶 100 ml	Silicone 100ml with foam cap	
GB-24000	导引滑块	Guide	
GB-16007	滑板, 光滑表面	Sliding plate, flat surface	
GB-16008	滑板, 起伏表面	Sliding plate, profiled	
GB-L20	剥线钳, 10 - 30 KV	Peeling Tool, 10 - 30 KV	
GB-ASL20-S9	止动环组件 (11 件)	Set of stop rings (11 pieces)	
GB-L20-S8	刀片套装 (5 件)	Set of blades (5 pieces)	
GB-L20-S4	脚轮套装	Set of rolls	
GB-L20-S11	可拆卸手柄	Flexible Handle	
GB-LS20	备用刀片	Spare Blade	
GB-LM20-SET	安装套件	Set of tools	
GB-LM20-SET/W	安装套件 (热缩技术)	Set of tools (Heat Shrink Joint)	
GB-DS1	剥线钳, 10 - 20 KV	Peeling Tool, 10 - 20 KV	
GB-DS2	剥线钳, 20 – 30 KV	Peeling Tool, 20 – 30 KV	
GB-DS-101	备用刀片	Spare Blade	
GB-DM20	便携箱	Storage Box with foaming	
GB-DM20-SET	全套装配便携箱, 500mm² 以下	Complete Jointers Set up to 500mm²	
GB-DM30-SET	全套装配便携箱, 800mm² 以下	Complete Jointers Set up to 800mm²	
GB-ES1	混合式剥线钳, Ø 16-40 mm	Hybrid Cable Peeling Tool, Ø 16-40 mm	
42233	套筒扳手插件	Socket wrench insert	
33051	全套手柄	Handle Crank handle complete	
GB-ES1-BOX	海绵衬便携箱	Storage Box with foaming	
GB-FLM20-UK	带便携箱的组合工具	Multitool with storage box	
GB-FLM20-S1	备用刀片 3° 去除外护套	Spare Blade 3° Cutting	
GB-FLM20-S2	备用刀片, 半圆锥, 2 级	Spare Blade Scoring 2 depths	

型号/Article	描述	Description	价格/Price
GB-FLM20-S9	塑料滑块, 用于 25 – 50 mm ²	Plastic insert for 25 – 50 mm ²	
GB-17034	滑板套装(4 件)	Set of sliding plates (4 pieces)	
GB-FLM110	组合工具 GB-FLM110 (切割与剥线)	Multitool GB-FLM110 (cutting and peeling)	
GB-FLM10-EM	备用刀片	Spare Blade	
GB-KS10	锥形切割器 50 mm²	Cone Cutter 50mm²	
GB-KS20	锥形切割器 95 mm²	Cone Cutter 95mm²	
GB-KS30	锥形切割器 150 mm²	Cone Cutter 150mm²	
GB-KS40	锥形切割器 240 mm²	Cone Cutter 240mm²	
GB-KS50	锥形切割器 630 mm²	Cone Cutter 630mm²	
GB-KS-ES	备用刀片	Spare Blade	
GB-HS20	纵向剥线器, 附工具包	Longitudinal Peeling Tool with bag	
GB-HS20-EM	带刀片架的剥线刀片	Spare Blade with blade body	
GB-HS10	小型纵向剥线器	Midget Longitudinal Peeler	
GB-22524	备用刀片 (适用于 HS10 & 20)	Spare Blade (for HS10 & HS20)	
GB-22525	刀架 (仅用于 HS20)	Blade holder (for HS20)	
GB-23930	弹簧夹	Spring Bracket	
GB-23899	导辊	Guide Roll	
GB-23931	支腿弹簧	Yoke spring	
GB-KG0,5-3	倒角切割器, Ø 40 mm 以下	Chamfering tool, max. Ø 40 mm	
GB-KG0,5-5	倒角切割器, Ø 60 mm 以下	Chamfering tool, max. Ø 60 mm	
GB-KG0,5-3/EM	备用刀片	Spare blade	
GB-KG05-3/R	带半径测量仪的倒角切割器	Chamfering Tool with radius formed blade (max. Ø 40mm)	
GB-KG05-5/R	带半径测量仪倒角切割器	Chamfering Tool with radius formed blade (max. Ø 60mm)	
GB-KG-EM/R	备用刀片, 圆形	Spare Blade, rounded	
GB-KG05	Chamfering Tool for 20 KV cable (50mm²)	Chamfing Tool for 20 KV Cable (50mm²)	
GB-KG08	Chamfering Tool for 20 KV cable (95mm²)	Chamfing Tool for 20 KV Cable (95mm²)	
GB-KG1	Chamfering Tool for 20 KV cable (150mm²)	Chamfing Tool for 20 KV Cable (150mm²)	
GB-KG2	Chamfering Tool for 20 KV cable (240mm²)	Chamfing Tool for 20 KV Cable (240mm²)	
GB-KG3	Chamfering Tool for 20 KV cable (400mm²)	Chamfing Tool for 20 KV Cable (400mm²)	
GB-KG4	Chamfering Tool for 20 KV cable (500mm²)	Chamfing Tool for 20 KV Cable (500mm²)	
GB-KG-4S	Chamfering Tool for 20 KV cable (630mm²)	Chamfing Tool for 20 KV Cable (630mm²)	
GB-KG-EM	备用刀片	Spare Blade	
GB-13968	电缆撬剥器	Jacket Tool for cable screen	
GB-14061	备用刀片	Spare Blade	
GB-14060	深度调节止块	Stop wheel djustable cutting depth	
GB-12431	电缆扩张器	Jacket opener	
GB-14539	接线端子 50/95 mm²	Jacket Shoe 50/95 mm²	
GB-14541	接线端子 150/240 mm²	Jacket Shoe 150/240 mm²	
GB-14542	接线端子 630 mm²	Jacket Shoe 630 mm²	
GB-14543	接线端子手柄	Handle for Cable Shoe	
GB-KL20	纵向切割器	Cable Sheath Cutter	
GB-KL20-EM	双刃备用刀片	Spare Blade	
GB-FLM110SET	便携箱内高压用组合工具	Multitool GB-FLM110SET (cutting and peeling)	
GB-FLM110	便携箱内高压用基本工具	Basic Tool with storage box	
GB-FLM110-S1	附带 22 mm 刀片的切割适配器	Cutting Adapter with blade 22mm	
GB-FLM110-S2	附带刀片的剥线适配器	Cutting Adapter with blade	
GB-LS110A	剥线刀, 用于 GB-FLM110	Peeling Blade for GB-FLM110	
GB-MS110A	13 mm 切线刀 用于 M110 和 FLM110	Cutting blade 13mm for M110 & FLM110	
GB-MS110B	22 mm 切线刀 用于 M110 和 FLM110	Cutting blade 22mm for M110 & FLM110	
GB-MS110C	35 mm 切线刀 用于 M110 和 FLM110	Cutting blade 35mm for M110 & FLM110	
GB-M110	护套切割器, 带便携箱	Cable Stripper with storage box	
GB-KS-2-2	剥线钳, 带便携箱	Cable Peeling Tool with storage box	
GB-SS-1100	剥线刀	Peeling Blade for Peeling Tool	

型号/Article	描述	Description	价格/Price
GB-MKS-300	切线剪 Ø 35mm Cu/AL	Cable Cutter Ø 35 mm Cu/AL	
GB-MKS-500	切线剪 Ø 52mm Cu/AL	Cable Cutter Ø 52 mm Cu/AL	
GB-MKS-600S	切线剪 Ø 62mm Cu/AL	Cable Cutter Ø 62 mm Cu/AL	
GB-MKS-800S	切线剪 Ø 80mm Cu/AL	Cable Cutter Ø 80 mm Cu/AL	

电缆直径以中压电缆为例，粗略尺寸仅作参考，不加保证。

Cable diameter at medium voltage cables, approx. dimensions. Just rough guidance figures without guarantee.

截面积		绝缘层外直径			外护套，最小/最大，单位 mm		
cross section core		Diameter over insulation			cable jacket, min./max. in mm		
单位 mm²	单位 mm	10 KV	20 KV	30 KV	10 KV	20 KV	30 KV
25	5,9	14,1 mm	18,3 mm	23,3 mm	22,0-24,0	27,0-32,0	33,0-38,0
35	7,0	15,2 mm	19,4 mm	24,4 mm	24,0-29,0	28,0-33,0	34,0-39,0
50	8,1	16,3 mm	20,5 mm	25,5 mm	25,0-30,0	29,0-34,0	36,0-41,0
70	10,0	18,2 mm	22,4 mm	27,4 mm	27,0-32,0	31,0-36,0	37,0-42,0
95	11,4	19,6 mm	23,8 mm	28,8 mm	28,0-33,0	32,0-37,0	39,0-44,0
120	13,0	21,2 mm	25,4 mm	30,4 mm	30,0-35,0	34,0-39,0	39,0-44,0
150	14,2	22,4 mm	26,6 mm	31,6 mm	31,0-36,0	35,0-40,0	40,0-45,0
185	16,2	24,4 mm	28,6 mm	33,6 mm	33,0-38,0	37,0-42,0	42,0-47,0
240	18,3	26,5 mm	30,7 mm	35,7 mm	35,0-40,0	40,0-45,0	44,0-49,0
300	20,6	28,8 mm	33,0 mm	38,0 mm	37,0-42,0	42,0-47,0	47,0-52,0
400	23,0	31,2 mm	35,4 mm	40,4 mm	41,0-46,0	45,0-50,0	50,0-55,0
500	25,8	34,0 mm	38,2 mm	43,2 mm	44,0-49,0	48,0-53,0	53,0-58,0
630	30,0	38,2 mm	42,4 mm	47,4 mm	ca. 49,0	ca. 54,0	ca. 60,0
800	34,0	42,2 mm	46,4 mm	51,4 mm			ca. 64,0
1000	38,0	46,2 mm	50,4 mm	55,4 mm			ca. 69,0
1200	42,0	50,2 mm	54,4 mm	59,4 mm			ca. 73,0

***) 数据来源: 各种尺寸表格和基准片

***) Data sources: Various scales of cable measurements and standards



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