

欧唯斯
ALLWAYS

www.allways-tools.com

CATALOGUE **2022**



欧唯斯
ALLWAYS

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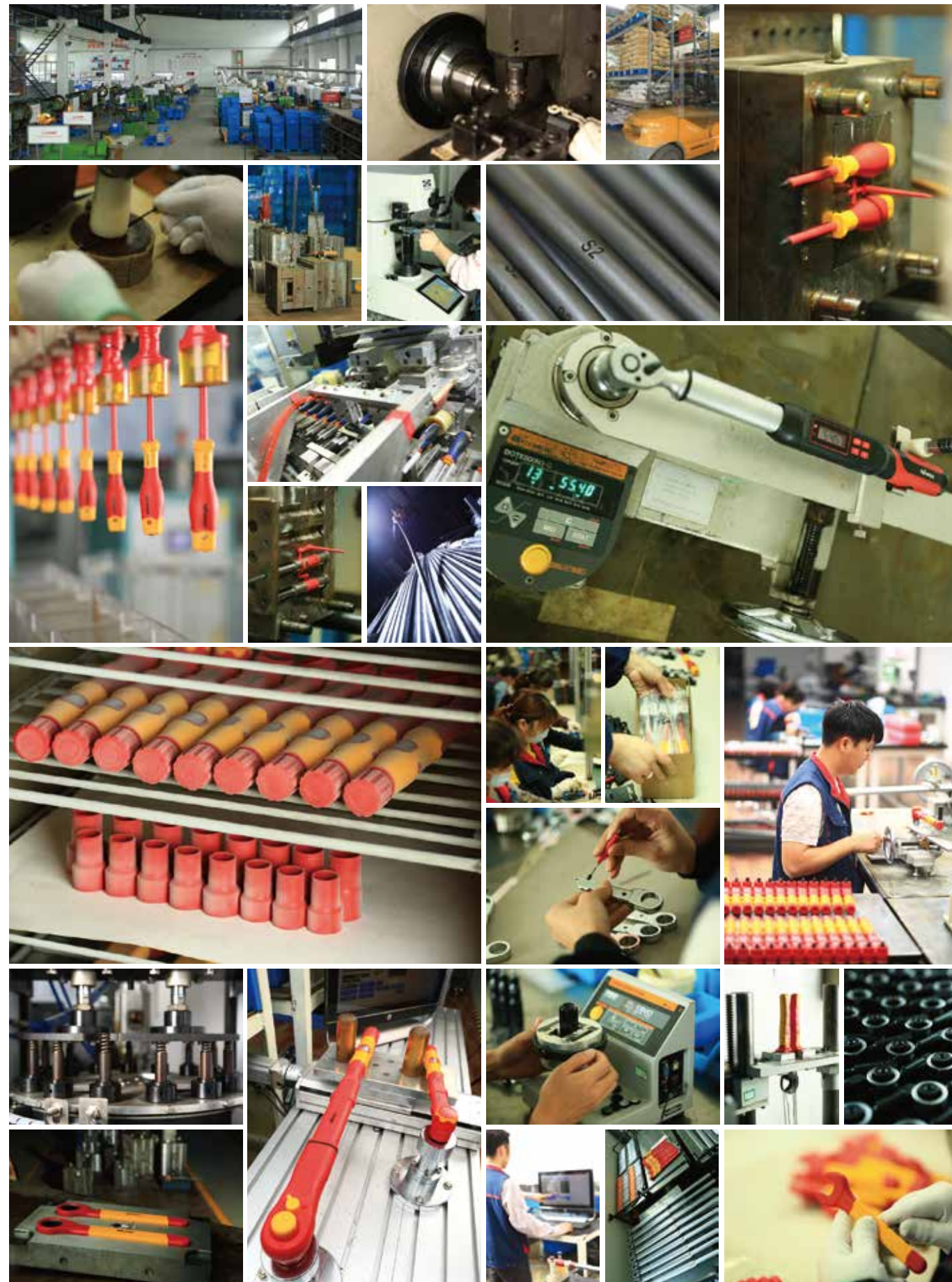
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Industrial Tools Manufacturer



SHANGHAI ALLWAYS TOOLS was established since of year 2003 and is the premier industrial hand tools manufacturer in China. With offering the wide range of products in Insulated Tools, Torque Tools, ESD Tools and Industrial Screwdrivers, we've earned the high reputation from our global customers.

Through continuous investment in the product innovation and technology integration, as well as completing the QC system, measuring instruments and certificates, it has promoted our competence and increased our visibility in the industry.

Upholding the spirit of putting our customers first, we will keep focus on the persistent quest for quality products and take customers' satisfaction as our ultimate goal as the principles.

上海欧唯斯工具制造成立于2003年，是中国领先的工业级手工工具制造商。通过多年来不断提供品类广泛、规格齐全的绝缘手工具、扭矩工具、防静电工具及工业级螺丝批，公司赢得了全球客户的广泛好评。

通过持续的投入产品研发和技术整合，以及完善品质管理体系，测试设备和认证证书，公司的整体实力和行业知名度得到全面提升。

秉承客户至上的精神，欧唯斯将始终专注于对优质产品的持续追求，并将客户的满意作为我们始终追求的目标。



Development and Design
研发与设计



Production / 生产
Sand Blast / 喷砂



Production / 生产
CNC Milling / 数控加工



Production / 生产
electroetc / 电刻



Production / 生产
Injection / 注塑



Production / 生产
Printing / 移印



Production / 生产
Assembly for VDE Tools / 绝缘工具装配



Production / 生产
Assembly for Torque Tools / 扭矩工具装配



Production / 生产
Shaping / 塑型



Production / 生产
Accuracy Calibration for Torque Tools / 扭矩工具精度校验



Production / 生产
Packaging / 包装



Testing / 检测
Mechanical / 机械性能



Testing / 检测
Insulation Performance / 绝缘性能



Testing / 检测
Dielectric / 绝缘高压测试



Testing / 检测
Accuracy Final Testing / 扭矩终检



Delivery
出货



ALLWAYS executes a principle; quality above all. Our 16 quality control specialists and the third testing organization has composed a 360 degree and three-dimensional quality control network. Start from raw material to packaging, from worker's self-test to the final inspection of ready-to-sell goods, a comprehensive, detailed and complete head-to-tail quality control process is regulated. As of today, ALLWAYS has never happened any functional and massive quality control malpractice and customer complaints. We are commonly well commented by our clients and third inspection agencies and included in the list of exempt suppliers by several customers.

欧唯斯奉行品质至上原则。16名专职品管及第三方委托检测形成全方位，立体式品控网络。从原材料到最终包装均规定了全面、细致的品控内容。从员工自检到成品终检也均建立了完整的首尾式品控程序。至今未发生功能性，批量性品质事故和客户投诉。受到客户及第三方检验单位一致好评，被多家客户列入免检供应商名单。

Regular Inspection Procedure

常规检验流程



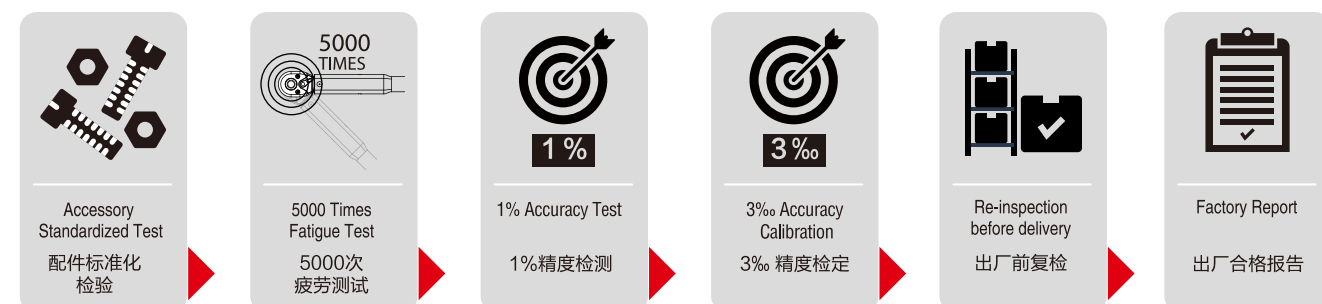
Insulated Tools Inspection Procedure

绝缘产品重点检验流程



Torque Tools Inspection Procedure

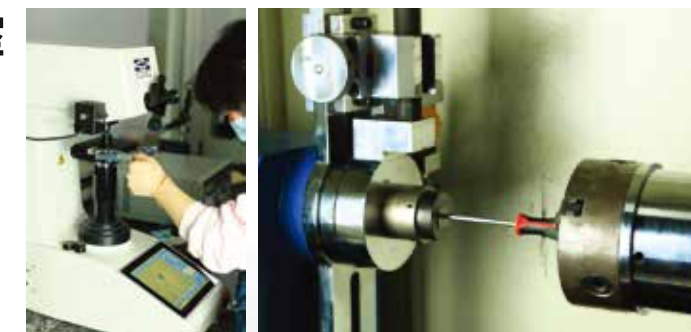
扭力产品重点检验流程



ALLWAYS lab 欧唯斯实验室

Currently, ALLWAYS Laboratory, in hand-made tools industry, has one of the most complete and professional testing equipment. We can, in all aspects, test, manage and control our products towards mechanical and plastic properties, chemical composition, products limits, product life span and natural environmental impact etc.

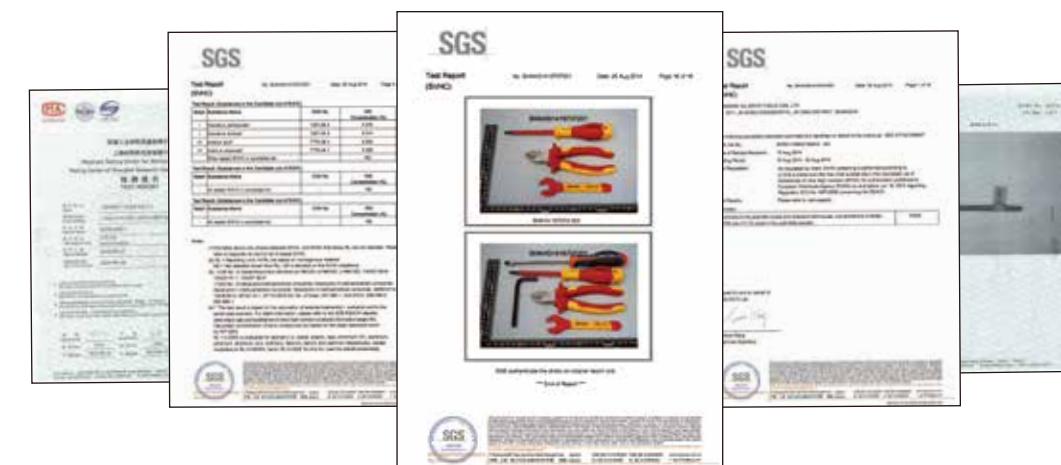
欧唯斯实验室是目前手工工具行业检测设备最为齐全、专业的实验室之一。可以对产品的机械性能、塑料性能、化学成分、产品极限、产品寿命、自然环境影响等进行全方位的测试和管控。



3rd Party Inspection 第三方检测

Some of the special inspection programs, ALLWAYS Laboratory would send them to those qualified third authoritative institutes to process inspection and verification, for instance, metal and plastic elements, and various measuring instruments etc.

某些特殊的检测项目，会由欧唯斯实验室送达具备资质的第三方权威机构进行检测、校验，如金属元素、塑料元素、各种测量器具等。





1000V INSULATED SAFETY TOOLS 绝缘工具

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绝缘类螺丝批



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绝缘类钳子



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VDE INSULATED SAFETY TOOLS VDE绝缘工具



This test mark is assigned by the German Electrotechnology, Electronics and Information Technology Association (VDE). It certifies compliance with high safety standards and standard conformity for electrotechnical products or products in the sense of the Product Safety Law (ProdSG) in an electrical, mechanical, thermal and toxic respect.

Only tools bearing this test mark can be called insulated tools approved by the German VDE Center.

这个测试符号是由德国电工、电子和信息技术协会(VDE)指派的。它在电气、机械、热、毒、性方面具有很高的安全标准，和电工产品或产品安全法律意识(ProdSG)的标准一致性。

只有标注这个标记组合的工具才能称为德国VDE中心认可的绝缘工具。



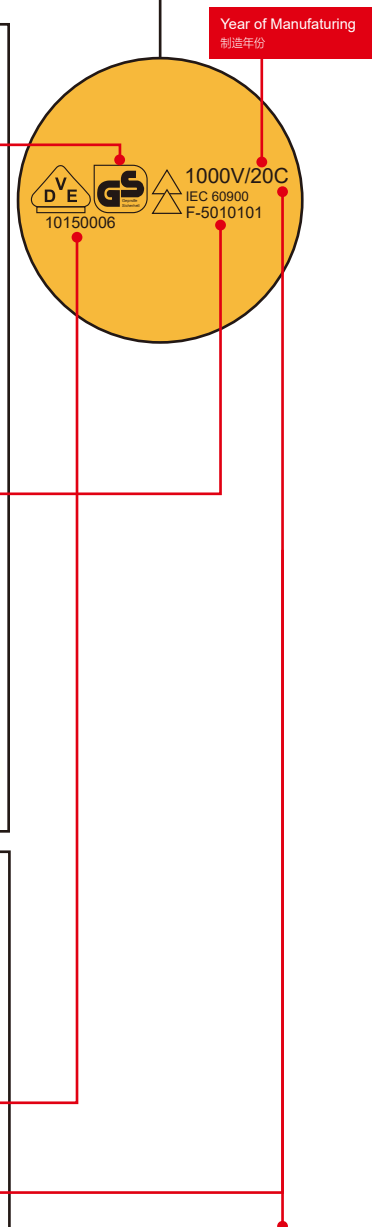
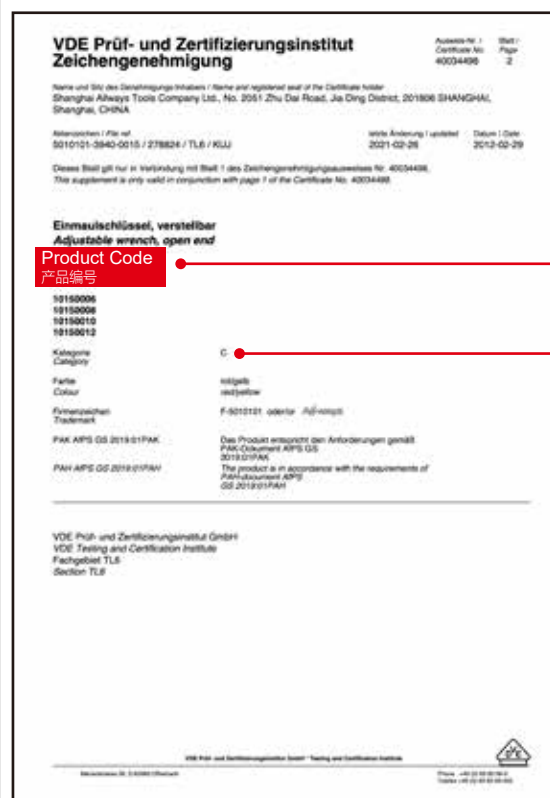
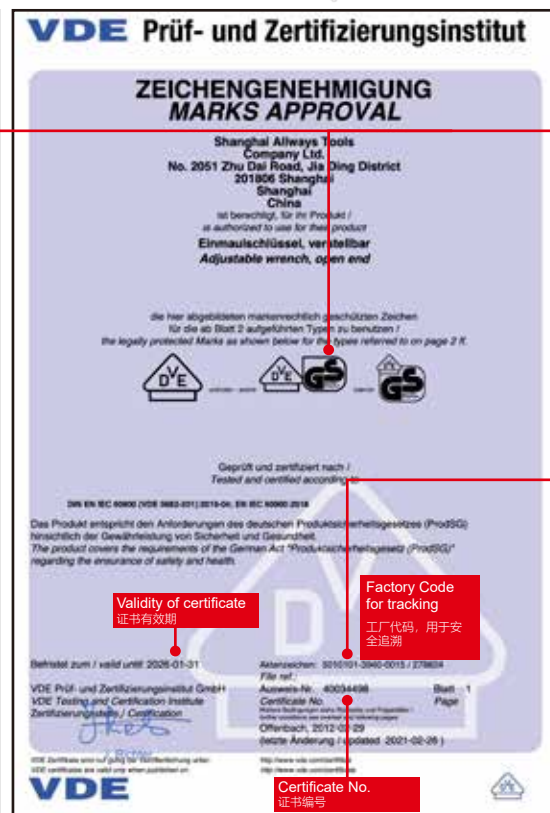
This symbol indicates individually tested tools (in individual test) that have been tested with 10000V AC(alternating current) according to EN/IEC 60900.

该标志表明每一个产品都独立接受过符合EN/IEC 60900标准的10000V AC (交流电) 高压测试。



The GS mark is a German seal and stands for "Tested Safety". Then the product is inspected on a regular basis. Testing is carried out by the VDE institute, for example. Due to the Equipment Safety Law, the GS mark must only be used in conjunction with the test body symbol.

GS的含义是德语"Geprüfte Sicherheit" (安全性已认证)，也有"Germany Safety" (德国安全) 的意思。GS认证以德国产品安全法 (GPS) 为依据，按照欧盟统一标准EN或德国工业标准DIN进行检测的一种自愿性认证，是欧洲市场公认的德国安全认证标志。GS认证的产品需定期接受测试。ALLWAYS产品测试由VDE研究所进行。根据设备安全法，GS标记必须与测试体符号一起使用。



C VDE Certificate Type C, the product can be used under extremely temperature (-40°C~70°C)
VDE "C"类证书产品，代表产品可在-40°C~70°C的极端环境下使用

HOW TO QUERY THE VALID VDE-APPROVED PRODUCTS 如何查询有效的VDE证书及认证产品



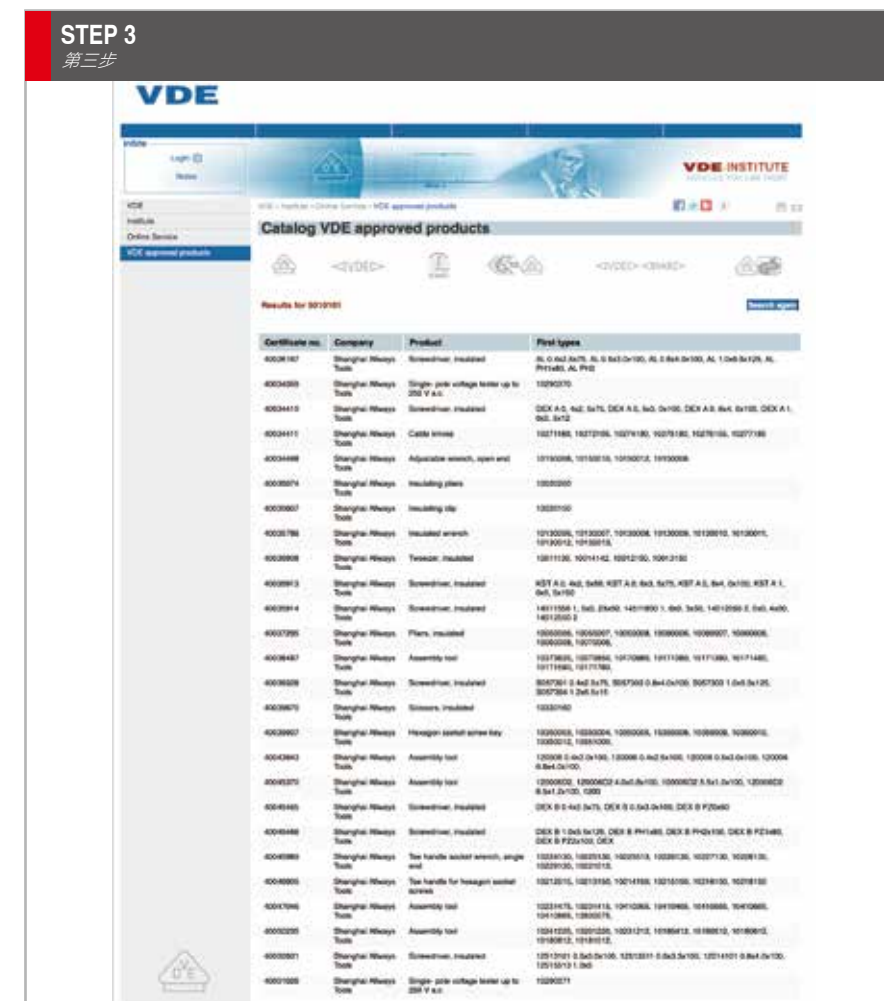
TYPE IN "WWW2.VDE.COM/EN"
键入网址"WWW2.VDE.COM/EN"

CLICK "VDE-approved products"
点击右侧"VDE-approved products"



TYPE IN FACTORY CODE "5010101"
OR CERTIFICATE NO.

输入要查询的工厂编号"5010101"或证书编号进行查询



BROWSE ALL THE VALID CERTIFICATES
查看所有有效证书

SAFETY TESTS

绝缘安全性能测试

Dielectric Test

高压绝缘性能测试



No breakdowns or arcing may occur in the vicinity of the insulation after 48 hours of moisture-proof storage with a 3-minute measurement under 10,000 V.

经过48小时防潮储存后进行3分钟10000V高压测试，绝缘材料无击穿或电弧产生。

Test for Adhesion

粘结性测试



The insulation must not come loose or slacken when under a tensile load for 3 minutes after 168 hours in a climatic chamber at +70°C.

产品置于70度环境下168小时，在一定拉伸力载荷下保持3分钟，绝缘层不出现脱落或松弛现象。

Flame Retardancy Test

阻燃性测试



After 10 seconds in a 20mm height methane flame, the insulation can prove to be "flame resistance" if flame height less than 120mm.

使用甲烷气体以20mm火焰高度燃烧10秒后移开，火焰高度未超过120MM，可视作为阻燃。

Indentation Test

压痕测试

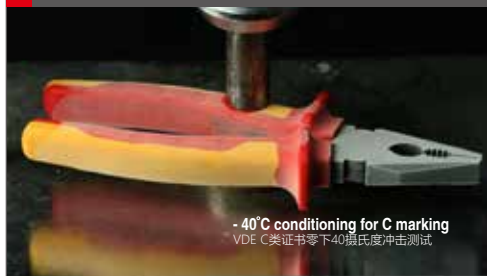


After being stored for 2 hours at a temperature of 70 °C, with a pressure load of 20 N and a 3-minute measurement under 5,000 V, there must be no punctures or arcing in the insulation.

在70摄氏度环境下放置2小时，在工具手柄或杆的外部居中端施加20N力量后，进行介电测试。高压电通电3分钟，绝缘层无击穿或放电发生。

Impact Test

冲击测试



Impact test at the ambient temperature / 室温冲击测试

At an ambient temperature of 23 °C, the insulation must not present any cracks or other damage after targeted shocks and impacts (falling height 2 m).

在室温23°C环境下进行冲击试验，绝缘层无开裂或其他损坏（跌落高度2米）

Impact test at low temperatures / 低温冲击测试

With a retention time of 2 hours at an ambient temperature of -25 °C, the insulation must not present any cracks or other damage after targeted shocks and impacts (falling height 0.6 m).

产品置于零下25摄氏度环境下2小时，进行冲击试验，绝缘层无开裂和其他损坏发生。（跌落高度0.6米）

Impact test at extreme low temperatures / 极端低温冲击测试

With a retention time of 2 hours at an ambient temperature of -40 °C, the insulation must not present any cracks or other damage after targeted shocks and impacts (falling height 0.6 m).

产品置于零下40摄氏度环境下2小时，进行冲击试验，绝缘层无开裂和其他损坏发生。（跌落高度0.6米）

Guaranteed Individually Checked

承诺所有产品单独检测

All the 1,000V tools go through a 10,000V individual inspection.

ALLWAYS所有绝缘工具均单独通过10000V高压测试。



1000V INSULATED SCREWDRIVERS

绝缘螺丝批

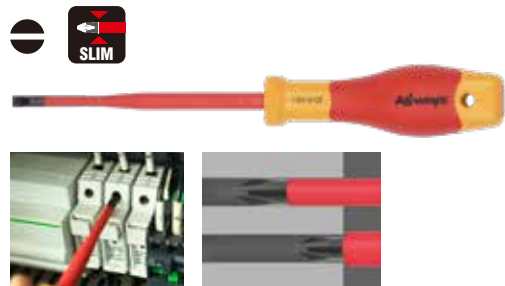
Insulated screwdriver with slim blade for slotted screws

注塑型·双色柄·绝缘细杆·一字·螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- Full insulated slim blade ensures easy access to deep-set screws.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- 全绝缘层包裹细杆设计，方便在狭窄空间中紧固螺丝。
- S2工业级高级合金钢。



Code						
12513101	3.0	100	0.5	95x25	195	
12513511	3.5	100	0.6	95x25	195	
12514101	4.0	100	0.8	105x30	205	
12515513	5.5	125	1.0	115x35	240	
12516516	6.5	150	1.2	115x35	265	

Insulated screwdriver with slim blade for phillips screws

注塑型·双色柄·绝缘细杆·十字·螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- Full insulated slim blade ensures easy access to deep-set screws.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- 全绝缘层包裹细杆设计，方便在狭窄空间中紧固螺丝。
- S2工业级高级合金钢。



Code						
12561081	PH1	80	5.0	105x30	185	
12562101	PH2	100	6.0	115x35	215	
12563151	PH3	150	8.0	118x41	268	

Insulated screwdriver with slim blade for pozidriv screws

注塑型·双色柄·绝缘细杆·米字·螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- Full insulated slim blade ensures easy access to deep-set screws.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- 全绝缘层包裹细杆设计，方便在狭窄空间中紧固螺丝。
- S2工业级高级合金钢。



Code						
12581081	PZ1	80	5.0	105x30	185	
12582101	PZ2	100	6.0	115x35	215	
12583151	PZ3	150	8.0	118x41	268	

Insulated screwdriver for slotted screws

注塑型·双色柄·绝缘·一字·螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- S2工业级高级合金钢。



Code						
12512575	2.5	75	0.4	95x25	170	
12513100	3.0	100	0.5	95x25	195	
12513510	3.5	100	0.6	95x25	195	
12514100	4.0	100	0.8	105x30	205	
12515015	5.0	150	1.0	105x30	265	
12515512	5.5	125	1.0	115x35	265	
12516017	6.0	175	1.2	115x35	290	
12516515	6.5	150	1.2	115x35	195	
12517015	7.0	150	1.6	118x41	268	
12518015	8.0	150	1.6	118x41	268	

Insulated screwdriver for phillips screws

注塑型·双色柄·绝缘·十字·螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- S2工业级高级合金钢。



Code						
12560060	PH0	60	3.0	95x25	155	
12561080	PH1	80	5.0	105x30	185	
12561015	PH1	150	5.0	105x30	265	
12562100	PH2	100	6.0	115x35	215	
12562117	PH2	175	6.0	115x35	265	
12563150	PH3	150	8.0	118x41	268	

Insulated screwdriver for pozidriv screws

注塑型·双色柄·绝缘·米字·螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- S2工业级高级合金钢。



Code						
12580060	PZ0	60	3.0	95x25	155	
12581080	PZ1	80	5.0	105x30	185	
12582100	PZ2	100	6.0	115x35	215	
12583150	PZ3	150	8.0	118x41	268	

Insulated screwdriver for Torx® screws

注塑型·双色柄·绝缘·花型·螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- S2工业级高级合金钢。



Code						
12600670	T6	70	2.5	95x25	155	
12600770	T7	70	2.5	95x25	155	
12600870	T8	70	2.5	95x25	155	
12600970	T9	70	3.0	95x25	155	
12601070	T10	70	3.0	95x25	155	
12601580	T15	80	4.0	105x30	185	
12602010	T20	100	4.0	105x30	205	
12602512	T25	125	5.0	115x35	240	
12602712	T27	125	5.5	115x35	240	
12603013	T30	130	6.0	115x35	245	
12604017	T40	175	8.0	118x41	268	
12604517	T45	175	8.0	118x41	268	

Insulated nut driver with screwdriver handle

注塑型·双色柄·绝缘·套筒螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。



Code							
12854012	4.0	7.2	25	125	105x30	230	
12855012	5.0	7.2	25	125	105x30	230	
12855512	5.5	7.2	25	125	105x30	230	
12856012	6.0	7.2	25	125	105x30	230	
12857012	7.0	7.2	25	125	105x30	230	
12858012	8.0	7.2	25	125	105x30	230	
12859012	9.0	7.2	25	125	105x30	230	
12851012	10.0	7.2	25	125	105x30	230	
12851112	11.0	8.1	25	125	118x41	243	
12851212	12.0	8.1	25	125	118x41	243	
12851312	13.0	8.1	25	125	118x41	243	
12851412	14.0	8.1	25	125	118x41	243	

Insulated screwdriver for hexagon socket screws

注塑型·双色柄·绝缘·内六角螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- S2工业级高级合金钢。



Code						
12652575	H2.5	75	S2.5	95x25	170	
12653075	H3.0	75	S3.0	95x25	170	
12654075	H4.0	75	S4.0	105x30	180	
12655075	H5.0	75	S5.0	105x30	180	
12656100	H6.0	100	S6.0	115x35	215	
12658100	H8.0	100	S8.0	118x41	218	

Insulated screwdriver with bit holder

注塑型·双色柄·绝缘·批头接杆螺丝批

NEW

△ 1000V

- For use with various bits.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.

- 可搭配各种螺丝批批头使用。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。



Code			
12830100	6.35	100	105x30 205



Insulated Flexible Magnetic Bar

注塑型·双色柄·绝缘捡拾器

NEW

△ 1000V

- Flexible shaft for removing metal part from electric devices.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.

- 长型软轴设计，用于从电子设备上移除金属零件。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。



Code			
10361310	310	95x25	200g
10361400	400	105x30	1000g

Insulated screwdriver for hexagon socket screws with T-handle

注塑型·双色柄·绝缘·T柄球头螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- S2工业级高级合金钢。



Code					
10212515	2.5	5.0	150	80x26	
10213150	3.0	5.5	150	80x26	
10214150	4.0	7.0	150	80x26	
10215150	5.0	8.0	150	100x34	
10216150	6.0	9.0	150	100x34	
10218150	8.0	11.0	150	115x40	

Insulated nut driver with T-handle

注塑型·双色柄·绝缘·T柄套筒螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。



Code					
10224130	4.0	7.1	25	130	100x34
10225130	5.0	7.1	25	130	100x34
10225513	5.5	7.1	25	130	100x34
10226130	6.0	7.1	25	130	100x34
10227130	7.0	7.1	25	130	100x34
10228130	8.0	7.1	25	130	100x34
10229130	9.0	7.1	25	130	100x34
10221013	10.0	7.1	25	130	100x34
10221113	11.0	8.1	25	130	100x34
10221213	12.0	8.1	25	130	100x34
10221313	13.0	8.1	25	130	100x32
10221413	14.0	8.1	25	130	100x34

Insulated precision screwdriver for slotted screws

注塑型·双色柄·绝缘·一字·精密螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- S2工业级高级合金钢。



Code						
14511550	1.5	50	0.23	1.5	95x18	145
14511850	1.8	50	0.3	2.0	95x18	145
14512050	2.0	50	0.4	2.0	95x18	145
14512550	2.5	50	0.4	2.5	95x18	145
14513050	3.0	50	0.5	3.0	95x18	145

Insulated precision screwdriver for phillips screws

注塑型·双色柄·绝缘·十字·精密螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- S2工业级高级合金钢。



Code					
14562050	PH00	50	2.5	95x18	145
14561050	PH0	50	2.5	95x18	145
14560150	PH1	50	3.0	95x18	145

Insulated precision screwdriver for Torx® screws

双色柄·双色柄·绝缘·花型·精密螺丝批



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 3-component ergonomic handle design enables precise and fatigue-free working.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 符合人体工程学的三次注塑结构手柄，实现强力和无疲劳工作。
- S2工业级高级合金钢。



Code					
14600650	T6	50	2.5	95x18	145
14600850	T8	50	2.5	95x18	145
14601050	T10	50	3.0	95x18	145
14601550	T15	50	4.0	95x18	145
14602050	T20	50	4.0	95x18	145

12PCS Insulated Interchangeable Screwdriver Set

12件套注塑型双色柄可换式绝缘螺丝批组套



- Manufactured acc. to EN/IEC 60900. Each blade individually tested at 10,000 V AC and approved for 1,000 V AC.
- Full insulated slim blade ensures easy access to deep-set screws.
- Quick-release handle design allows easy and rapid exchange of the blades.
- S2-Chrome vanadium molybdenum steel.
- 依据EN/IEC 60900标准制造。每支刀杆均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 全绝缘层包裹细杆设计，方便在狭窄空间中紧固螺丝。
- 快脱手柄设计，可快速方便替换刀杆。
- S2工业级高级合金钢。

Code	120004
	0.4x2.0x100 / 0.4x2.5x100 / 0.5x3.0x100 / 0.6x3.5x100 • / 0.8x4.0x100 • / 1.0x5.5x100 • / 1.2x6.5x100 •
	PH0x100 / PH1x100 • / PH2x100 Code: 10290371
	3.0x70 (125-250V~)
	31x118

Slim Version / 绝缘细杆设计



50PCS Insulated Interchangeable Screwdriver Set

50件套注塑型双色柄可换式绝缘螺丝批组套



- Manufactured acc. to EN/IEC 60900. Each blade individually tested at 10,000 V AC and approved for 1,000 V AC.
- Full insulated slim blade ensures easy access to deep-set screws.
- Quick-release handle design allows easy and rapid exchange of the blades.
- A variably interchangeable blades covers a large application area.
- S2-Chrome vanadium molybdenum steel.
- 依据EN/IEC 60900标准制造。每支刀杆均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 全绝缘层包裹细杆设计，方便在狭窄空间中紧固螺丝。
- 快脱手柄设计，可快速方便替换刀杆。
- 多种头型刀杆确保更广泛的应用。
- S2工业级高级合金钢。

Code	120006
	0.4x2.0x100 / 0.4x2.5x100 / 0.5x3.0x100 / 0.6x3.5x100 • / 0.8x4.0x100 • / 1.0x5.5x100 • / 1.2x6.5x100 •
	PH0x100 / PH1x100 • / PH2x100 •
	PZ0x100 / PZ1x100 / PZ2x100
	T6x100 / T8x100 / T9x100 / T10x100 / T15x100 / T20x100 / T25x100 / T27x100 / T30x100
	H2.5x100 / H3.0x100 / H4.0x100 / H5.0x100 / H6.0x100
	R1x100 / R2x100
	TR1x100 / TR2x100 / TR3x100 / TR4x100
	TRO4x100 / TRO6x100 / TRO8x100 / TRO10x100
	M4x4.0x100 / M5x5.0x100 / M6x5.0x100
	4.0x100 / 6.0x100 / 8.0x100 / 10.0x100
	6.3x89 / 8.1x89
	14x89
	9x89
	3.0x70 (125-250V~) (10290371)
	31x118

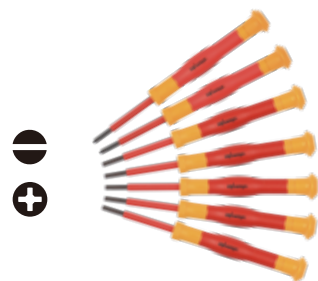
Slim Version / 绝缘细杆设计



The variably interchangeable blades makes the whole set for a wide range of applications.
多种头型刀杆确保更广泛的应用。

Insulated Precision Screwdriver Set

注塑型双色柄绝缘精密螺丝批组套

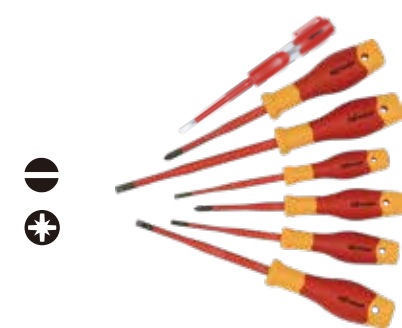
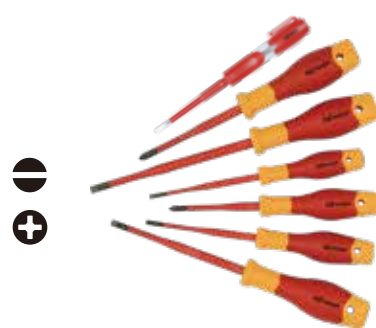


Code	140001 (7PCS)
	0.23x1.5x50mm (14511550) / 0.3x1.8x50mm (14511850)
	0.4x2.0x50mm (14512050) / 0.4x2.5x50mm (14512550)
	0.5x3.0x50mm (14513050)
	PH00x50mm (14562050) / PH0x50mm (14561050)

Code	140003 (6PCS)
	0.23x1.5x50mm (14511550) / 0.4x2.0x50mm (14512050)
	0.4x2.5x50mm (14512550) / 0.5x3.0x50mm (14513050)
	PH00x50mm (14562050) / PH0x50mm (14561050)

7PCS Insulated Slim Screwdriver Set

7件套注塑型双色柄绝缘细杆螺丝批组套

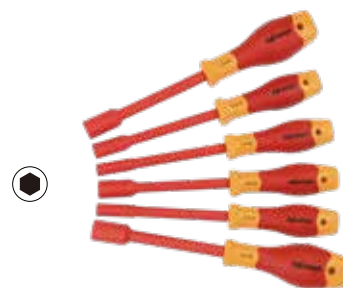


Code	120002
	0.6x3.5x100mm (12513511) / 0.8x4.0x100mm (12514101)
	1.0x5.5x125mm (12515513) / 1.2x6.5x150mm (12516516)
	PH1x80mm (12561081) / PH2x100mm (12562101)
	3.0x70 (125-250V~) (10290371)

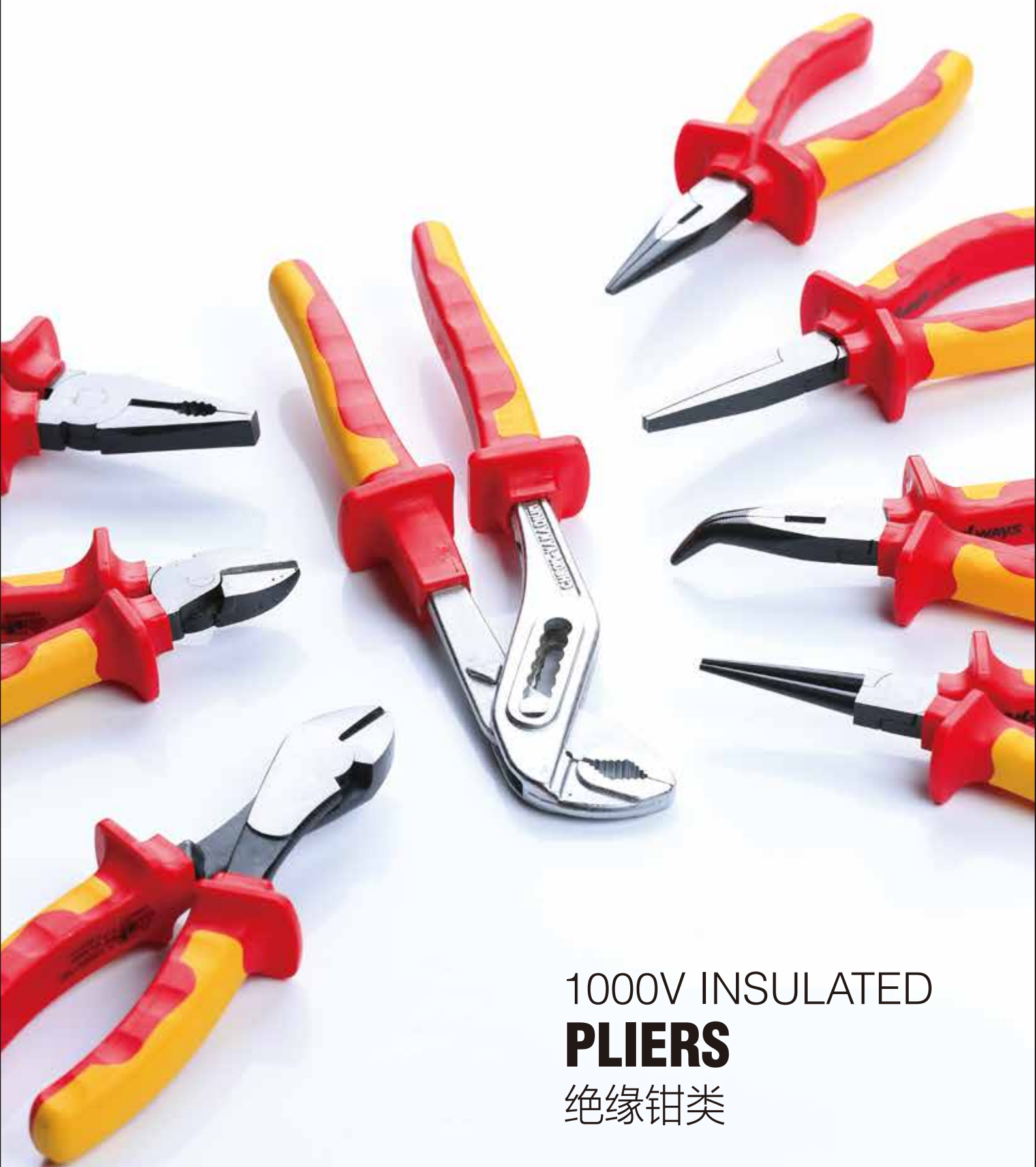
Code	120003
	0.6x3.5x100mm (12513511) / 0.8x4.0x100mm (12514101)
	1.0x5.5x125mm (12515513) / 1.2x6.5x150mm (12516516)
	PZ1x80mm (12581081) / PZ2x100mm (12582101)
	3.0x70 (125-250V~) (10290371)

6PCS Nut Screwdriver Set

6件套注塑型双色柄绝缘螺帽螺丝批组套



Code	120001
	5.5x125mm (12855512) / 6.0x125mm (12856012)
	8.0x125mm (12858012) / 10.0x125mm (12851012)
	11.0x125mm (12851112) / 12.0x125mm (12851212)



1000V INSULATED PLIERS 绝缘钳类




Insulated Combination Pliers

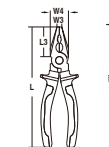
注塑型双色柄绝缘钢丝钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- With Gripping zones for flat and round material, suitable for versatile use.
- With cutting edges for soft and hard wire.
- Long cutting edges for thicker cables.
- Cutting edge hardness approx. 50 HRC.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 钳口适合夹持扁平圆形材料，适合多用途使用。
- 刃口可剪切软质和硬质金属线。
- 较长剪切口适合剪切较粗的电缆线。
- 剪切口硬度约50 HRC。

Code	L	L3	W3	W4	T1	
10050006	160	32	25	6.3	11.2	 1000V
10050007	180	36	28	7.1	12.5	 1000V
10050008	200	40	32	8.0	14.0	 1000V





Insulated Snipe Nose Pliers

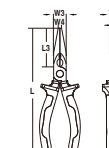
注塑型双色柄绝缘尖嘴钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Suitable for finer gripping and cutting work.
- Half-round, straight jaw design, knurled gripping surface.
- With cutting edges for medium and hard wire.
- Cutting edge hardness approx. 50 HRC.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 适用于更精细的夹持和剪切工作。
- 半圆嘴钳口，直型设计，带齿夹持表面。
- 带剪切口，适用于中硬和硬质金属线。
- 剪切口硬度约50 HRC。

Code	L	L3	W3	W4	T1	T2	
10060006	160	53	19	3.2	10	2.5	 1000V
10060008	200	80	22	5.0	12	4.0	 1000V





Insulated Snipe Nose Pliers with bent jaws

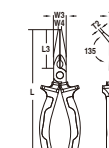
注塑型双色柄绝缘弯嘴钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Suitable for finer gripping and cutting work.
- Half-round, curved design (45°), knurled gripping surface.
- With cutting edges for medium and hard wire.
- Cutting edge hardness approx. 50 HRC.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 适用于更精细的夹持和剪切工作。
- 半圆嘴钳口，45°弯嘴设计，带齿夹持表面。
- 带剪切口，适用于中硬和硬质金属线。
- 剪切口硬度约50 HRC。

Code	L	L3	W3	W4	T1	T2	
10070006	160	53	19	3.2	10	2.5	 1000V
10070008	200	80	22	5.0	12	4.0	 1000V



Insulated Diagonal Cutter

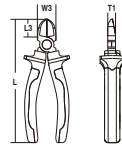
注塑型双色柄绝缘斜嘴钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- With cutting edges for soft and hard wire.
- Narrow head style for use in confined areas.
- Cutting edge hardness approx. 45 HRC.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 精密剪切口可剪切软线和硬线。
- 窄头设计，方便在狭窄空间作业。
- 剪切口硬度约45 HRC。

Code	L	L3	W3	T1	
10080006	160	22	28	12	



Insulated Heavy-Duty Diagonal Cutters

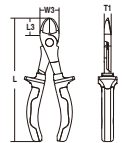
注塑型双色柄绝缘重型斜口钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- 20% less effort required compared to regular diagonal cutters.
- Precision cutting edges additionally induction-hardened, suitable for all types of wire including piano wire.
- Cutting edge hardness approx. 45 HRC.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 比普通斜口钳省力约20%。
- 精密剪切口经加硬处理，适用于各种电线包括琴钢丝的剪切。
- 剪切口硬度约45 HRC。

Code	L	L3	W3	T1	
10080007	180	25	32	14	



Insulated Flat Nose Pliers

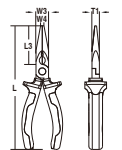
注塑型双色柄绝缘扁嘴钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Heavy duty and wear resisting.
- Flat jaws, knurled gripping surfaces.
- Cutting edge hardness approx. 50 HRC.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 坚固耐用，耐磨夹持钳。
- 扁平钳口，钳口表面带齿。
- 剪切口硬度约50 HRC。

Code	L	L3	W3	W4	T1	
10090006	160	50	18	4	10	



Insulated Round Nose Pliers

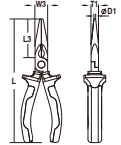
注塑型双色柄绝缘圆嘴钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Heavy duty and wear resisting.
- Long, round jaws, smooth gripping surfaces.
- Cutting edge hardness approx. 45 HRC.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 坚固耐用，耐磨夹持钳。
- 长圆形钳口，光滑钳口表面。
- 剪切口硬度约45 HRC。

Code	L	L3	W3	T1	D1	
10100006	160	50	19	10	3.2	



Insulated Front Cutter

注塑型双色柄绝缘顶切钳

NEW



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- With cutting edges for soft and hard wire.
- Cutting edge hardness approx. 45 HRC.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 适合剪切软线和硬线。
- 剪切口硬度约45 HRC。

Code	L	
10080160	160	
10080200	200	



Insulated Wire Strippers

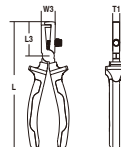
注塑型双色柄绝缘剥线钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- For single, multiple and fine stranded conductors with plastic or rubber insulation max. 5.0 mm dia or resp. 10 mm² cable cross section.
- Easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 适用于最大直径5.0mm的单股、多股和细塑胶绝缘导线，或最大横截面积为10.0mm²电缆线的剥线工作。
- 滚花螺钉和锁紧螺母，方便根据单股线或多股线直径进行调节。

Code	L	L3	W3	T1	
10110006	160	36	20	10	



Insulated Water Pump Pliers

注塑型双色柄绝缘水泵钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Adjustment by shifting one jaw directly on to the workpiece.
- Fine adjustment to fit very different workpiece sizes with a comfortable handle position.
- Gripping surfaces with special hardened teeth.
- Teeth hardness approx.50 HRC.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 通过推动手柄，可直接在工件上调整开口。
- 对各种不同规格工件通过微调获得更舒适的握持位置。
- 夹持面带特殊硬化锯齿。
- 锯齿硬度约50 HRC。



Insulated Cable Shears

注塑型双色柄绝缘电缆钳剪



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- For and on multi strand copper and aluminium cable.
- For lead cable up to max. Ø 80 mm².

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 用于剪切多股铜线和铝线。
- 最大剪切面积达80mm²。



Insulated Cable Shears with twin cutting edge

注塑型双色柄绝缘双刀口电缆剪



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- For cutting copper and aluminium cables.
- By dividing the cutting actions into initial cut (insulating sheath in the front cutting area) and final cut (conductor in the back cutting area), cables up to Ø 22 mm can be cut in one-hand operation.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 用于剪切铜铝电缆。
- 通过将切削操作分为初始切割（前端剪切绝缘护套），最终剪切（后端剪切导线），可剪切直径达22mm线缆可单手操作。



Initial cut: using the front cutting edge to cut the insulating sheath on larger cable diameters leaves an ergonomic handle opening width.

初始剪切：用前端刀口剪切较大直径的电缆线的绝缘皮。



Final cut: after cutting the sheath in the front profile the conductors in the rear part are cut. Initial cut in the front profile, final cut in the rear profile – to keep it as easy as possible.

最终剪切：用前刀口剪切完绝缘皮后，通过后刀口剪切导线。确保每一步剪切都轻松省力。

Insulated Ratchet Cable Cutters

注塑型双色柄绝缘棘轮电缆钳剪



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- For and on multi strand copper and aluminium cable.
- Not suitable for steel wire and wire ropes.
- Clean and smooth cut without crushing and deformation.
- One-hand operation using ratchet principle.
- Little handforce required due to very high transmission ratio.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 用于剪切单股或多股铜铝电缆。
- 不适用于钢丝及钢绳。
- 剪切面平整光滑，无毛刺，不变形。
- 棘轮结构确保可单手操作。
- 高杠杆传输比，使用时只需要很小的手力。



Code	L	Ø	⚡
10260240	240	32	
10260380	380	52	

Insulated Cable Shears

注塑型双色柄绝缘电缆钳剪



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC usable for 1,000 V AC.
- For bruise free cutting of copper and aluminium cables.
- Clean and smooth cut without crushing and deformation.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V安全使用。
- 适用于铜、铝电缆的无损伤切割。
- 剪切面平整光滑，无毛刺，不变形。



Code	L	⊕ mm²	⚡
10250251	610	250	
10250500	810	500	

Insulated Bolt Cutters

注塑型绝缘断线钳



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC usable for 1,000 V AC.
- Cutter head made of high quality special steel.
- Precision ground, hardened blades.
- Clean and smooth cut without crushing and deformation.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V安全使用。
- 刀头采用优质特殊钢制造。
- 刃口硬化，精密研磨。
- 剪切面平整光滑，无毛刺，不变形。



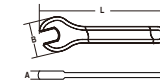
Code	L	Rebar 钢筋	⊕ Copper and Aluminium Cable 铜芯或铝芯	⚡
10250600	600	<6mm	<20mm	



1000V INSULATED WRENCHES 绝缘扳手

Insulated Single Open-End Spanner 注塑型绝缘开口扳手

- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Jaw 15° angled.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工学设计双材质手柄，舒适握感。
- 开口呈15°角。



Code	mm	L	A	B	⚡
10130006	6	89.5	7	21.8	1000V
10130007	7	89.9	7	24	1000V
10130008	8	99.5	7.5	25.3	1000V
10130009	9	99.2	7.5	27.4	1000V
10130010	10	110	8	31	1000V
10130011	11	120	8.5	34	1000V
10130012	12	130	8.5	36	1000V
10130013	13	140	10.5	39	1000V
10130014	14	150	10.5	40	1000V
10130015	15	160	11.5	42	1000V
10130016	16	165	11.5	43	1000V
10130017	17	165	12.5	47	1000V
10130018	18	175	13	50	1000V
10130019	19	180	14	53	1000V
10130021	21	195	14	55	1000V
10130022	22	205	14	58	1000V
10130024	24	230	14	62	1000V
10130027	27	249	13.8	60	1000V
10130030	30	284	14.6	64	1000V
10130032	32	308	15.7	68	1000V



Insulated Adjustable Spanner 注塑型绝缘活动扳手

- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Parallel smooth gripping jaws.
- Continuously variable gripping width.
- With scaling for presetting the width apart from the workpiece.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工学设计双材质手柄，舒适握感。
- 平行，光滑夹持钳口。
- 可连续调节的开口宽度。
- 带刻度，脱离工件后可预设开口宽度。

Code	L	mm	⚡
10150006	160	19	1000V
10150008	200	24	1000V
10150010	250	28	1000V
10150012	300	32	1000V



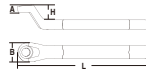
Insulated Ring Spanner

注塑型绝缘梅花扳手



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Ring head 75° offset.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 梅花头部75°斜角。



Code	○	L	A	B	H	⚡
10140006	6	130	7	13	17	
10140007	7	140	7.5	15	18	
10140008	8	150	8.5	16.5	19	
10140009	9	160	9	18	19	
10140010	10	170	9	21	20	
10140011	11	180	10	22.5	21	
10140012	12	190	10	22.5	21	
10140013	13	200	11	26.5	23	
10140014	14	210	12	28	23	
10140015	15	215	12	29	24	
10140016	16	215	12	31	26	
10140017	17	220	13	32	26	
10140018	18	230	13	35	28	
10140019	19	240	14	36	28	
10140021	21	250	14	39	30	
10140022	22	260	15	41	30	
10140024	24	280	16	44	32	
10140027	27	290	18	48	32	
10140030	30	310	19	53	33	
10140032	32	320	20	56	33	



Insulated Ratchet Ring Spanner

注塑型绝缘梅花棘轮扳手

NEW



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- 72 teeth ratchet.
- Chrome vanadium steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 72齿棘轮结构。
- 铬钒钢。



Code	○	L	A	⚡
10380007	7	120	22	
10380008	8	120	22	
10380009	9	125	24	
10380010	10	135	26	
10380011	11	140	28	
10380012	12	145	29	
10380013	13	150	31	
10380014	14	160	33	
10380015	15	165	34	
10380016	16	170	36	
10380017	17	180	38	
10380018	18	190	39	
10380019	19	200	40	
10380022	22	230	47	
10380024	24	260	52.5	



Insulated L Wrench for Hexagon Screws

注塑型绝缘内六角扳手



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- S2-Chrome vanadium molybdenum steel.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- S2工业级高级合金钢。



Code	mm	L1	L2	⚡
10350003	3	130	25	
10350004	4	140	40	
10350005	5	160	45	
10350006	6	180	47	
10350008	8	200	50	
10350010	10	235	52	
10350012	12	260	60	



Insulated L Wrench for Torx® Screws

注塑型绝缘花型扳手

NEW



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- S2-Chrome vanadium molybdenum steel.

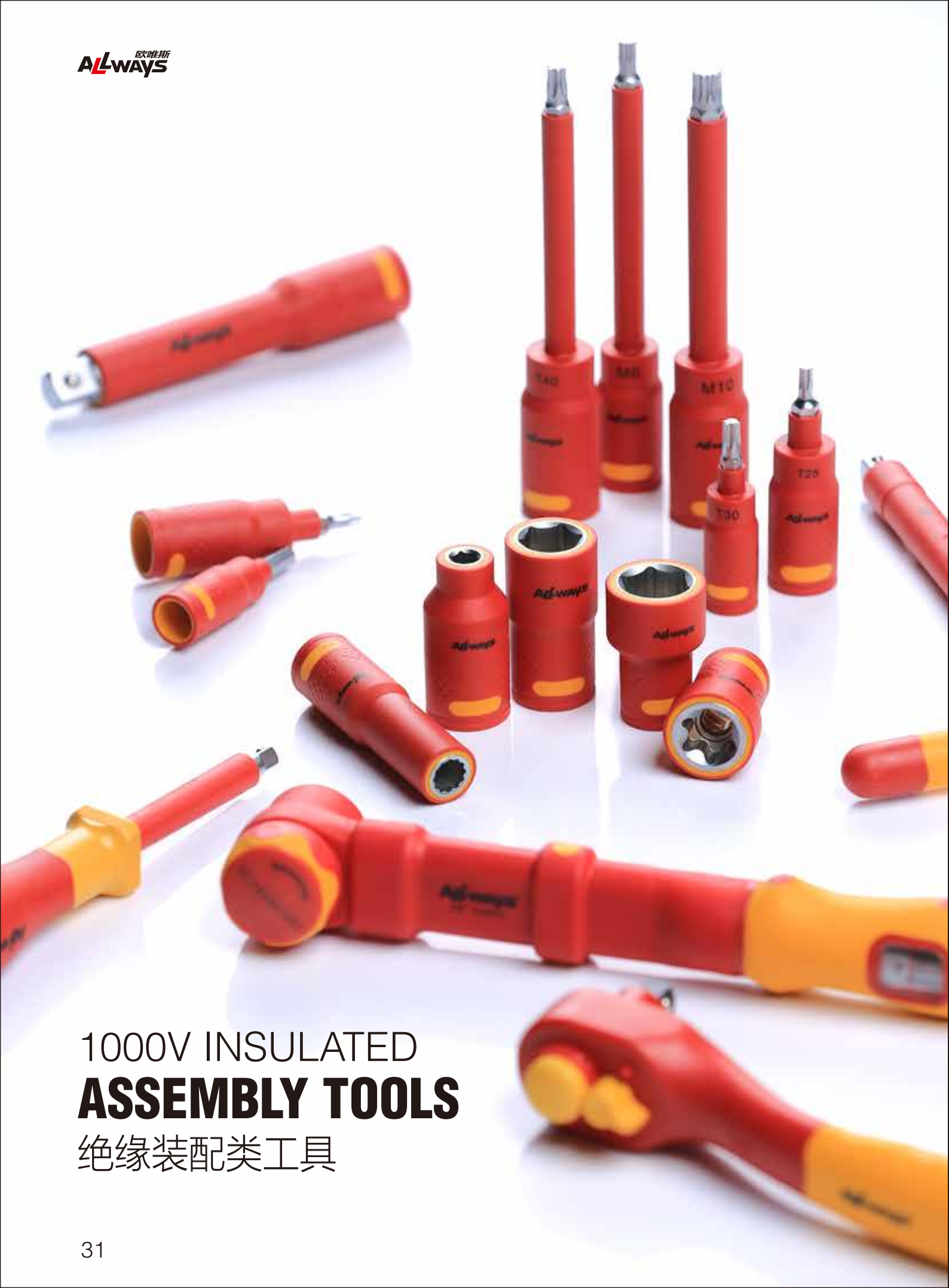
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- S2工业级高级合金钢。



Code	⊕	L1	L2	⚡
10351000	T10	130	25	
10351500	T15	140	40	
10352000	T20	140	40	
10352500	T25	160	45	
10352700	T27	160	45	
10353000	T30	180	47	
10354000	T40	200	50	
10354500	T45	200	50	
10355000	T50	210	50	
10355500	T55	235	52	



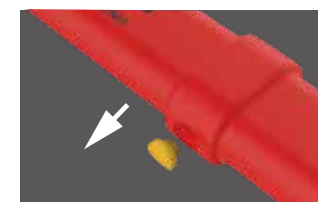
Different package style are available / 不同组套包装形式可供选择



1000V INSULATED ASSEMBLY TOOLS

绝缘装配类工具

Insulated Torque Wrench 注塑型绝缘扭矩扳手



- 1 a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
b) 90 Teeth Ratchet.
c) Accuracy of torque $\pm 4\%$; quality meets DIN ISO 6789.
c) Each piece stamping ID number for traceability.

- 1 a) 棘轮头: 铬钒合金钢制造, 确保更持久的使用寿命。
b) 90齿棘轮结构。
c) 精度误差 $\pm 4\%$; 品质符合DIN ISO 6789 标准。
d) 每一支产品拥有独立编号, 方便追溯。

- 2 Unique quick precision adjustment hole design eliminates the need to damage the insulating layer of the product.

- 2 独特快捷精度调整孔位, 避免破坏产品整体绝缘层。

- 3 Window Display: Easy readable scale below a window.

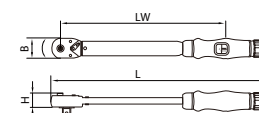
- 3 视窗设计: 窗口内的刻度易于阅读。

- 4 Easy torque-adjusting design. Lock mechanism: Pull the end cap down to "unlock" the wrench for torque setting; release cap to "lock".

- 4 方便的扭矩调节设计。锁紧结构: 下拉尾帽“解锁”, 进行扭矩设定; 释放尾帽“锁定”。

- Release accuracy tolerance ± 4 of scale value.
- Individually tested at 10,000 V, insulation up to 1000 V.
- Range up to 200 Nm.
- According to DIN EN/IEC 60900.

- 扭矩误差 $\pm 4\%$ 。
- 每把扳手均独立经过10000V高压测试, 保证高达1000V安全使用。
- 最大量程200Nm。
- 符合DIN EN/IEC 60900标准。



Code	Ø	N·m	L	LW	B	H	⚖️	⚡	
10371405 ★	1/4"	1-5	260	168	37.71	49.05	0.42	△ 1000V	NEW
10371410	1/4"	2-10	260	168	37.71	49.05	0.42	△ 1000V	NEW
10371425	1/4"	5-25	290	200	37.71	49.05	0.59	△ 1000V	
10373805 ★	3/8"	1-5	260	168	37.71	49.05	0.45	△ 1000V	NEW
10373811	3/8"	2-10	260	168	37.71	49.05	0.45	△ 1000V	NEW
10373825	3/8"	5-25	290	200	37.71	49.05	0.61	△ 1000V	
10373850	3/8"	10-50	290	200	37.71	49.05	0.61	△ 1000V	
10373810	3/8"	20-100	390	305	38.46	47.06	0.70	△ 1000V	
10371250 ★	1/2"	10-50	290	200	37.71	49.05	0.65	△ 1000V	
10371210	1/2"	20-100	390	305	38.46	47.06	0.74	△ 1000V	
10371220 ★	1/2"	40-200	565	435	48.52	43.20	1.69	△ 1000V	

★ VDE Certificate is under approval / 德国VDE证书认证中

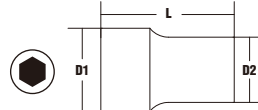
Insulated 2-layer Hexagon Socket 1/4"

注塑型双色绝缘六角套筒



- For metric hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	D1	D2	L	⚡
11390004	4	12	18	42	
11390005	5	13	18	42	
11390055	5.5	13.5	18	42	
11390006	6	14	18	42	
11390007	7	16	18	42	
11390008	8	18	18	42	
11390009	9	18	18	42	
11390010	10	19	18	42	
11390011	11	21	18	42	
11390012	12	21.5	18	42	
11390013	13	23	18	42	
11390014	14	24.5	18	42	



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

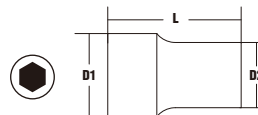
Insulated 2-layer Hexagon Socket, Long Version 1/4"

注塑型双色绝缘六角加长套筒



- For metric hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	D1	D2	L	⚡
11390104	4	12	18	67	
11390105	5	13	18	67	
11390106	6	14	18	67	
11390107	7	16	18	67	
11390108	8	18	18	67	
11390109	9	18	18	67	
11390110	10	19	18	67	
11390111	11	21	18	67	
11390112	12	22	18	67	
11390113	13	23	18	67	



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

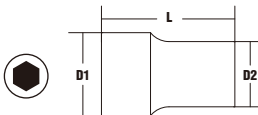
Insulated 2-layer Hexagon Socket 3/8"

注塑型双色绝缘六角套筒



- For metric hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	D1	D2	L	⚡
11170006	6	14.5	23	45	
11170007	7	16	23	45	
11170008	8	17	23	45	
11170009	9	18	23	45	
11170010	10	20	23	45	
11170011	11	21	23	45	
11170012	12	23	23	45	
11170013	13	23.5	23	45	
11170014	14	25.0	23	45	
11170015	15	26	23	45	
11170016	16	27	23	45	
11170017	17	28.5	23	45	
11170018	18	30	23	45	
11170019	19	31	23	47	
11170020	20	33	23	47	
11170021	21	33	23	47	
11170022	22	35	23	47	



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

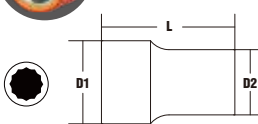
Insulated 2-layer Hexagon Socket with Double-Hex, Long Version 3/8"

注塑型双色绝缘十二角加长套筒



- For metric hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	D1	D2	L	⚡
11171108	8	17	23	80	
11171110	10	20	23	80	
11171112	12	22	23	80	
11171114	14	25	23	80	
11171115	15	26	23	80	
11171117	17	28.5	23	80	
11171119	19	31	23	80	
11171122	22	35	23	80	



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

Insulated 2-layer Hexagon Socket 1/2"

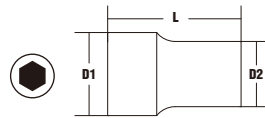
注塑型双色绝缘六角套筒



- For metric hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	●	D1	D2	L	⚡
11160008	8	18	27	55	
11160009	9	19	27	55	
11160010	10	21	27	55	
11160011	11	22	27	55	
11160012	12	23	27	55	
11160013	13	24	27	55	
11160014	14	26	27	55	
11160015	15	27	27	55	
11160016	16	27	27	55	
11160017	17	29	27	55	
11160018	18	30.5	27	55	
11160019	19	31	27	55	
11160020	20	33	27	55	
11160021	21	33	27	55	
11160022	22	35	27	55	
11160024	24	37	27	55	
11160027	27	41	27	59	
11160030	30	45	27	59	
11160032	32	47	27	59	



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

Insulated 2-layer Hexagon Socket with Double-Hex, Long Version 1/2"

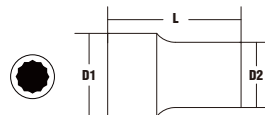
注塑型双色绝缘十二角加长套筒



- For metric hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	●	D1	D2	L	⚡
11161110	10	21	27	94	
11161112	12	23	27	94	
11161113	13	24	27	94	
11161114	14	26	27	94	
11161117	17	29	27	94	
11161119	19	31	27	94	



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

Insulated 2-layer Bit Socket for Hexagon Screws 1/4"

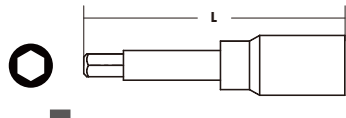
注塑型双色绝缘六角旋具套筒



- For metric internal hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制内六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	○	L	⚡
11410003	3	66	
11410004	4	66	
11410005	5	66	
11410006	6	66	
11410008	8	66	



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

Insulated 2-layer Bit Socket for Hexagon Screws 3/8"

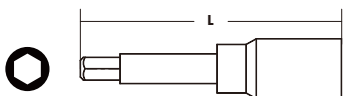
注塑型双色绝缘六角旋具套筒



- For metric internal hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制内六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	○	L	⚡
11190004	4	75	
11190005	5	75	
11190006	6	75	
11190008	8	75	
11190010	10	75	



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

Insulated 2-layer Bit Socket for Hexagon Screws, Long Version 3/8"

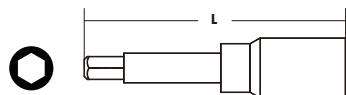
注塑型双色绝缘六角加长旋具套筒



- For metric internal hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制内六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	○	L	⚡
11190104	4	157	
11190105	5	157	
11190106	6	157	
11190108	8	157	
11190110	10	157	
11190112	12	157	



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

Insulated 2-layer Bit Socket for Hexagon Screws 1/2"

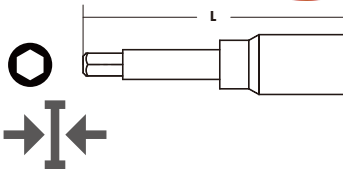
注塑型双色绝缘六角旋具套筒

- For metric internal hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制内六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
11180004	4	120	
11180005	5	120	
11180006	6	120	
11180008	8	120	
11180010	10	120	

2
layer

1/2"



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。



Insulated 2-layer Bit Socket for Hexagon Screws, Long Version 1/2"

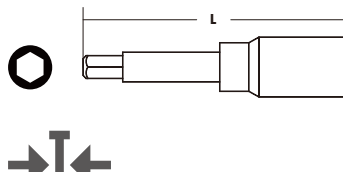
注塑型双色绝缘六角加长旋具套筒

- For metric internal hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制内六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
11180104	4	157	
11180105	5	157	
11180106	6	157	
11180108	8	157	
11180110	10	157	
11180112	12	157	

2
layer

1/2"



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。



Insulated 2-layer Bit Socket for Torx® Screws 1/4"

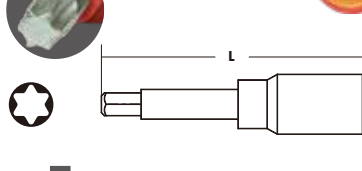
注塑型双色绝缘花型旋具套筒

- For metric torx head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制花型螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
11412010	T10	66	
11412015	T15	66	
11412020	T20	66	
11412025	T25	66	
11412027	T27	66	
11412030	T30	66	
11412040	T40	66	

2
layer

1/4"



Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。



Insulated 2-layer Bit Socket for Torx® Screws 3/8"

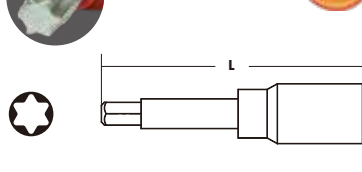
注塑型双色绝缘花型旋具套筒

- For metric torx head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制花型螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
11192010	T10	75	
11192015	T15	75	
11192020	T20	75	
11192025	T25	75	
11192027	T27	75	
11192030	T30	75	
11192040	T40	75	
11192045	T45	75	
11192050	T50	75	
11192055	T55	75	

2
layer

3/8"























Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

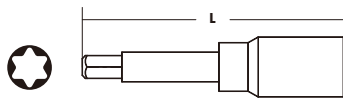


Insulated 2-layer Bit Socket for Torx® Screws, Long Version 3/8"

注塑型双色绝缘花型加长旋具套筒

- For metric torx head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制花型螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code		L	
11192110	T10	157	  1000V
11192115	T15	157	  1000V
11192120	T20	157	  1000V
11192125	T25	157	  1000V
11192127	T27	157	  1000V
11192130	T30	157	  1000V
11192140	T40	157	  1000V
11192145	T45	157	  1000V
11192150	T50	157	  1000V
11192155	T55	157	  1000V























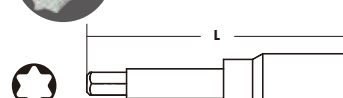
Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

Insulated 2-layer Bit Socket for Torx® Screws 1/2"

注塑型双色绝缘花型旋具套筒

- For metric torx head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制花型螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code		L	
11182010	T10	120	  1000V
11182015	T15	120	  1000V
11182020	T20	120	  1000V
11182025	T25	120	  1000V
11182027	T27	120	  1000V
11182030	T30	120	  1000V
11182040	T40	120	  1000V
11182045	T45	120	  1000V
11182050	T50	120	  1000V
11182055	T55	120	  1000V























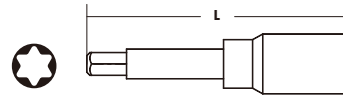
Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

Insulated 2-layer Bit Socket for Torx® Screws, Long Version 1/2"

注塑型双色绝缘花型加长旋具套筒

- For metric torx head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制花型螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code		L	
11182110	T10	157	  1000V
11182115	T15	157	  1000V
11182120	T20	157	  1000V
11182125	T25	157	  1000V
11182127	T27	157	  1000V
11182130	T30	157	  1000V
11182140	T40	157	  1000V
11182145	T45	157	  1000V
11182150	T50	157	  1000V
11182155	T55	157	  1000V







Interchangeable between different manufacturers.
与各不同制造商工具兼容使用。

Insulated 2-layer Bit Socket for XZN® Screws 3/8"

注塑型双色绝缘十二角旋具套筒

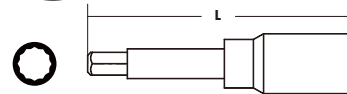
- For metric internal hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制内六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
11191006	M6	75	
11191008	M8	75	
11191010	M10	75	
11191012	M12	75	



2
layer

3/8"







Interchangeable between different manufacturers.
与各不相同制造商工具兼容使用。

Insulated 2-layer Bit Socket for XZN® Screws, Long Version 3/8"

注塑型双色绝缘十二角加长旋具套筒

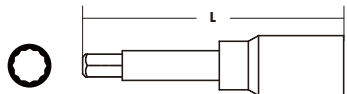
- For metric internal hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制内六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
11191106	M6	157	
11191108	M8	157	
11191110	M10	157	
11191112	M12	157	



2
layer

3/8"







Interchangeable between different manufacturers.
与各不相同制造商工具兼容使用。

Insulated 2-layer Bit Socket for XZN® Screws 1/2"

注塑型双色绝缘十二角旋具套筒

- For metric internal hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制内六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
11181006	M6	120	
11181008	M8	120	
11181010	M10	120	
11181012	M12	120	



2
layer

1/2"







Interchangeable between different manufacturers.
与各不相同制造商工具兼容使用。

Insulated 2-layer Bit Socket for XZN® Screws, Long Version 1/2"

注塑型双色绝缘十二角加长旋具套筒

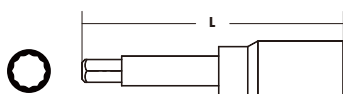
- For metric internal hexagonal head screws.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- 用于公制内六角螺钉。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
11181106	M6	157	
11181108	M8	157	
11181110	M10	157	
11181112	M12	157	



2
layer

1/2"



Interchangeable between different manufacturers.
与各不相同制造商工具兼容使用。

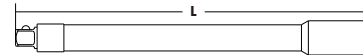
Insulated 2-layer Extension Bar
注塑型双色绝缘延长接杆



- For use with sockets.
- Quick, easy and reliable locking of attached sockets.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于配合套筒使用。
- 快速、简单及可靠的锁定连接套筒。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

2
layer



Interchangeable between different manufacturers.
与不同制造商工具兼容使用。

Insulated Reversible Ratchet Wrench
注塑型双色绝缘双向棘轮扳手



- Reversible for clockwise and anti-clockwise directions.
- Quick,easy and reliable locking of attached socket.
- VDE insulation up to 1000 V, acc. to EN/IEC 60900.

- 顺时针和逆时针方向自由转换。
- 快速、简单且安全的锁定套筒。
- 绝缘高达1000V，符合EN/IEC 60900标准。



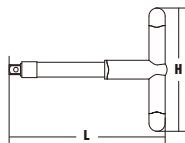
Code	Ø	L	⚡
10241415	1/4"	145	
10243820	3/8"	200	
10241225	1/2"	250	

Insulated T-handle Wrench
注塑型双色绝缘T型扳手



- Reversible for clockwise and anti-clockwise directions.
- Quick,easy and reliable locking of attached socket.
- VDE insulation up to 1000 V, acc. to EN/IEC 60900.

- 顺时针和逆时针方向自由转换。
- 快速、简单且安全的锁定套筒。
- 绝缘高达1000V，符合EN/IEC 60900标准。



Code	Ø	L	H	⚡
10203820	3/8"	200	140	
10201220	1/2"	200	140	

Insulated 2-layer E Type Socket 3/8"

SPECIAL

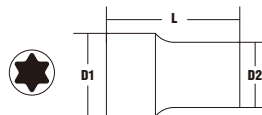


- Ideal for mechanics to repair eletrical automobiles with external star fasteners.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

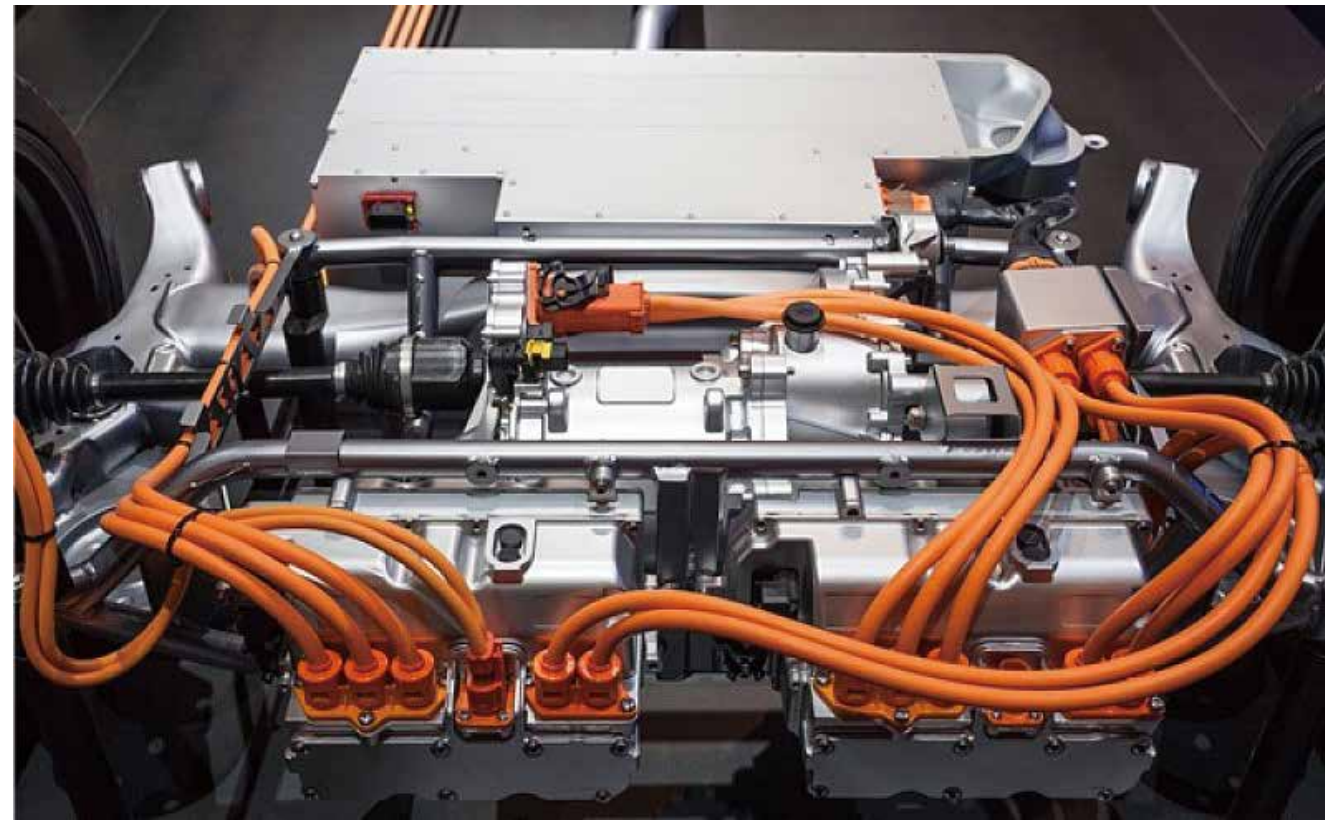
- 用于维修新能源汽车外部星型紧固件使用。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

2
layer

3/8"



Interchangeable between different manufacturers.
与不同制造商工具兼容使用。

















Insulated Hexagon Socket 1/4"

注塑型单色绝缘六角套筒

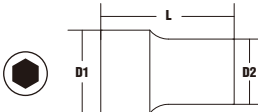
- For metric hexagonal head screws.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制六角螺钉。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code		D1	D2	L	
10390004	4	9.8	17.5	42	 1000V
10390005	5	11.2	17.5	42	 1000V
10390055	5.5	11.7	17.5	42	 1000V
10390006	6	12.2	17.5	42	 1000V
10390007	7	14	17.5	42	 1000V
10390008	8	15	17.5	42	 1000V
10390009	9	16	17.5	42	 1000V
10390010	10	17.5	17.5	42	 1000V
10390011	11	19	17.5	42	 1000V
10390012	12	19.5	17.5	42	 1000V
10390013	13	20.8	17.5	42	 1000V
10390014	14	22.8	17.5	42	 1000V



1/4"

















Insulated Hexagon Socket 3/8"

注塑型单色绝缘六角套筒

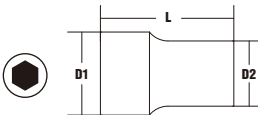
- For metric hexagonal head screws.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制六角螺钉。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code		D1	D2	L	
10170008	8	18.7	23	45	 1000V
10170010	10	19.5	23	45	 1000V
10170011	11	20	23	45	 1000V
10170012	12	21.2	23	45	 1000V
10170013	13	22.5	23	45	 1000V
10170014	14	23.7	23	45	 1000V
10170016	16	26.2	23	45	 1000V
10170017	17	27.5	23	45	 1000V
10170018	18	28.7	23	45	 1000V
10170019	19	30	23	47	 1000V
10170021	21	32.5	23	47	 1000V
10170022	22	33.7	23	47	 1000V



3/8"













Insulated Hexagon Socket with Double-Hex, Long Version 3/8"

注塑型单色绝缘十二角加长套筒

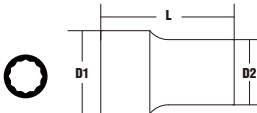
- For metric hexagonal head screws.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制六角螺钉。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code		D1	D2	L	
10170880	8	15.2	18	80	 1000V
10171080	10	17.7	18	80	 1000V
10171280	12	22	18	80	 1000V
10171480	14	22.7	18	80	 1000V
10171580	15	23.9	18	80	 1000V
10171780	17	26.4	18	80	 1000V
10171980	19	28.9	18	80	 1000V
10172280	22	32.7	18	80	 1000V



3/8"




















Insulated Hexagon Socket 1/2"

注塑型单色绝缘六角套筒

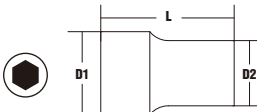
- For metric hexagonal head screws.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制六角螺钉。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code		D1	D2	L	
10160010	10	19.5	27	55	 1000V
10160011	11	20.7	27	55	 1000V
10160012	12	22	27	55	 1000V
10160013	13	23.2	27	55	 1000V
10160014	14	24.5	27	55	 1000V
10160016	16	27	27	55	 1000V
10160017	17	28.2	27	55	 1000V
10160018	18	29.5	27	55	 1000V
10160019	19	30.7	27	55	 1000V
10160021	21	32	27	55	 1000V
10160022	22	33.2	27	55	 1000V
10160024	24	34.5	27	55	 1000V
10160027	27	37	27	59	 1000V
10160030	30	42.8	27	59	 1000V
10160032	32	44.8	27	59	 1000V



1/2"








Insulated Hexagon Socket 1/4"

注塑型单色绝缘六角旋具套筒

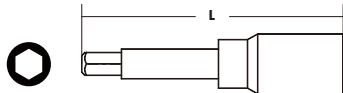
- For metric internal hexagonal head screws.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制内六角螺钉。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
10410365	3	65	
10410465	4	65	
10410565	5	65	
10410665	6	65	
10410865	8	65	



1/4"










Insulated Bit Socket for Torx® Screws 1/4"

注塑型单色绝缘花型旋具套筒

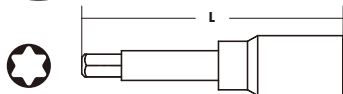
- For metric torx head screws.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制花型螺钉。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
10412010	T10	65	
10412015	T15	65	
10412020	T20	65	
10412025	T25	65	
10412027	T27	65	
10412030	T30	65	
10412040	T40	65	



1/4"







Insulated Bit Socket for Hexagon Screws 3/8"

注塑型单色绝缘六角旋具套筒

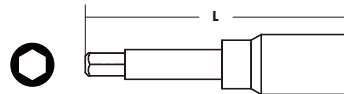
- For metric internal hexagonal head screws.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制内六角螺钉。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
10190475	4	75	
10190575	5	75	
10190675	6	75	
10190875	8	75	



3/8"








Insulated Bit Socket for Hexagon Screws 1/2"

注塑型单色绝缘六角旋具套筒

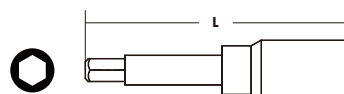
- For metric internal hexagonal head screws.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于公制内六角螺钉。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	⌀	L	⚡
10180412	4	120	
10180512	5	120	
10180612	6	120	
10180812	8	120	
10181012	10	120	



1/2"



Insulated Extension Bar

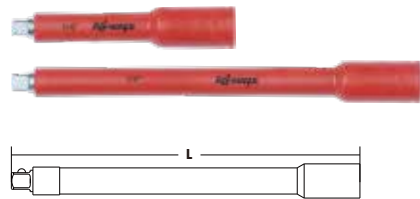
注塑型单色绝缘套筒延长接杆



- For use with sockets.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于配合套筒使用。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	Ø	L	⚡
10231475	1/4"	75	
10231415	1/4"	150	
10233812	3/8"	125	
10233825	3/8"	250	
10231212	1/2"	125	
10231225	1/2"	250	



Insulated Adapter for 1/4" Socket

注塑型双色绝缘1/4"套筒接杆螺丝批



- For use with 1/4" Sockets.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于配合1/4" 套筒使用。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	Ø	L	⚡
12830075	1/4"	75	

1/4"



Insulated Bit Adapter 1/4"

注塑型单色绝缘批头接杆转换接头



- To connect 1/4" square drive tools with 6.3 mm bits.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

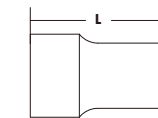
- 用于配合批头使用。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。



Be assembled with 1/4" Socket Adapter (12830075)
可与1/4"套筒接杆螺丝刀配合使用

Code	Ø	L	⚡
10396363	1/4"	75	

1/4"



Insulated 2-layer Adapter

注塑型双色绝缘转换接头

1000V

- For adapt with different size of the sockets.
- Increased safety due to 2-component insulation with yellow insulation core, which becomes visible in case of damage to the outer red VDE insulation layer.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于不同尺寸套筒之间的转换使用。
- 具有黄色绝缘内层的双绝缘层设计提升安全性，一旦外部红色绝缘层破损，可及时识别。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

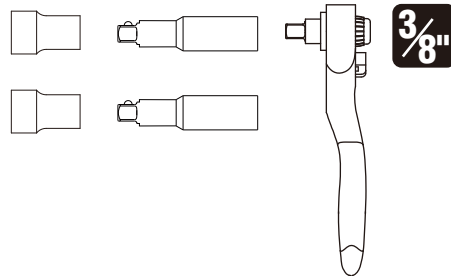
2 layer



Code	Ø	Ø	L	⚡
11201238	1/2"	3/8"	77	
11203812	3/8"	1/2"	72	
11203814	3/8"	1/4"	72	
11201438	1/4"	3/8"	60	

1/4"

1/2"



Insulated Z Type Adapter 3/8"

注塑型单色绝缘Z型转换接头

1000V

- For use under the special position.
- Chrome Vanadium steel.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 用于特殊角度的使用。
- 铬钒钢。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V高压测试，确保1000V安全使用。

Code	Ø	Ø	⚡
10233810	3/8"	10	

3/8"





1000V INSULATED ACCESSORIES

绝缘特种工具

Insulated Tweezers (Sharp tip) 注塑型绝缘精密针尖无齿镊子

- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 2-component handles.
- For ultra fine mounting work; extra fine tips; straight pattern; gripping surfaces matt finished for optimum grip.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 双材质手柄。
- 用于超精细安装工作，超精密镊头：直头，夹持表面亚光处理利于夹持。

Code	L
10011130	135



Insulated Tweezers (Round point) 注塑型绝缘精密微尖横齿镊子

- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 2-component handles.
- Straight pattern; gripping surfaces with fine transverse serration.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 双材质手柄。
- 直头，夹持面带细横向齿纹。

Code	L
10012150	160



Insulated Tweezers (Curved tip) 注塑型绝缘精密弯尖横齿镊子

- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 2-component handles.
- Angled tips; gripping surfaces with fine transverse serration.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 双材质手柄。
- 弯头，夹持面带细横向齿纹。

Code	L
10013150	155



Insulated Tweezers (Wide tip) 注塑型绝缘精密宽头横齿镊子

- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- 2-component handles.
- Straight pattern; knurled gripping surfaces.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 双材质手柄。
- 直头，齿状夹持面。

Code	L
10014142	145



Insulated Cable Knife (Straight Blade Type)

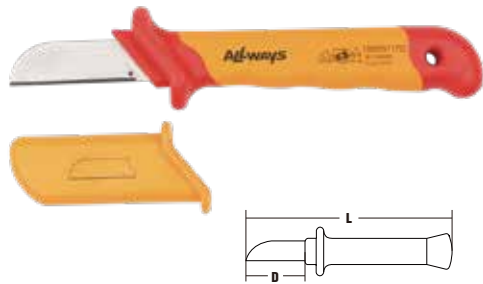
注塑型绝缘直平型电缆刀



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Solid, fixed straight blade.
- Protective cap.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 采用固定的实心刀片。
- 附带安全刀套。

Code	D	L
10271180	50	180



Insulated Cable Knife (Straight Blade Type with Guard)

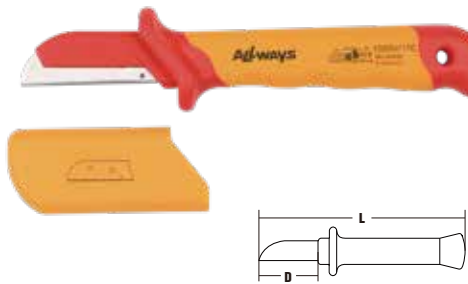
注塑型绝缘护套直平型电缆刀



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Solid, fixed straight blade.
- Protective cap.
- Back of the blade plastic coated to avoid short circuits.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 采用固定的实心刀片。
- 附带安全刀套。
- 刀背带塑料护套，防止短路。

Code	D	L
10275180	50	180



Insulated Cable Knife (Changeable Type) / Spare Blade

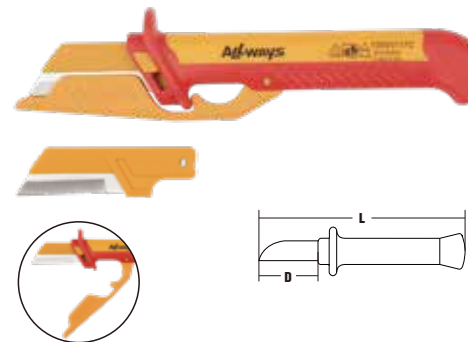
注塑型绝缘直平可换型电缆刀 / 可换式刀片



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Straight blade; replaceable.
- With hinged blade guard, integrated in the handle, captive.
- Back of the blade plastic coated to avoid short circuits.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 直刃刀片：可替换。
- 折叠式刀片护套，与刀柄一体。
- 刀背带塑料护套，防止短路。

Code	D	L
10277185	58	185
10270000	58	



Insulated Dismantling Knife (Hook Blade Type)

注塑型绝缘小圆型剥刀



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Solid, fixed hook blade; suitable for round cables.
- Protective cap.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 坚固，固定的代钩刀片；适用于圆形电缆。
- 附带安全刀套。

Code	D	L
10272155	28	170



Insulated Dismantling Knife (Hook Blade Sickle Shaped Type)

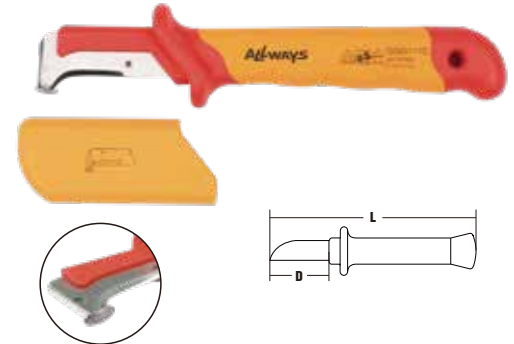
注塑型绝缘钩镰型剥刀



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Solid, fixed hook blade, sickle shaped.
- With guide shoe at the blade point; no damage of the conductor insulation
- Protective cap.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 坚固，固定镰刀型刀片。
- 刀尖带滑动导块；不伤线。
- 附带安全刀套。

Code	D	L
10276155	38	185



Insulated Dismantling Knife (Sickle Blade Type)

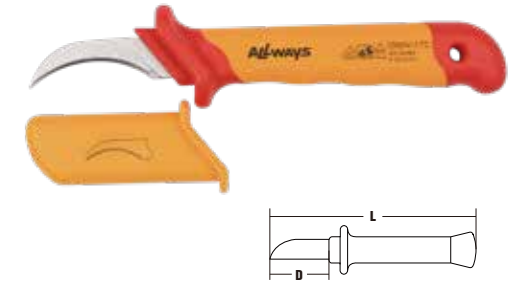
注塑型绝缘镰刀型剥刀



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.
- Narrow, fixed hook blade; sickle shaped; suitable for sector cables.
- Protective cap.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。
- 窄长，固定镰刀型刀片；适用于扇形电缆。
- 附带安全刀套。

Code	D	L
10274180	50	180






Insulating Plastic Clamp

注塑型单色绝缘塑料圆头线夹

- For clamping of uncovered cable.
- VDE insulation up to 1000 V, acc. to VDE 0680.

- 用于夹装无包裹电缆。
- 绝缘高达1000，符合VDE 0680标准。

Code	L		
10020085	85		NEW
10020150	150		



Insulating Plastic Flat Pliers

注塑型单色绝缘塑料扁嘴钳

- Made out of extremely durable plastic.
- VDE insulation up to 1000 V, acc. to EN/IEC 60900.

- 塑料坚固耐用。
- 绝缘高达1000，符合EN/IEC 60900标准。

Code	L
10020200	200

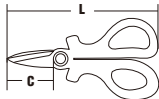


Electricians Scissors

注塑型绝缘剪刀

- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC and approved for 1,000 V AC.
- Ergonomically shaped 2-component handles, comfort grip.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V安全使用。
- 符合人体工程学设计双材质手柄，舒适握感。



Code	L	C
10330160	160	48

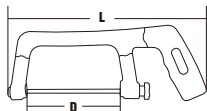





Insulated Junior Hacksaw

注塑型绝缘锯架

- Ergonomically 2-Component Injection Handle.
- With plastic screw for tensioning the saw blade.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.

- 人体工程学双色注塑手柄。
- 用塑料螺丝张紧锯条。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V安全使用。



Code	L	D	
10360150	300	150	
10360300	483	300	





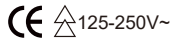
Voltage Tester

绝缘测电笔

- For 125-250 V AC

- 使用范围125-250 V AC

Code		
10290370	3.0	70





Insulated Voltage Tester

注塑型单色绝缘测电笔

NEW

- For 125-250 V AC.
- Fully Insulated blade and handle.
- Manufactured acc. to DIN VDE 0680.

- 使用范围125-250 V AC。
- 手柄刀杆绝缘层包裹。
- 依据DIN VDE 0680标准制造。

Code		
10290371	3.0	70



Insulated Voltage Tester with bit holder

绝缘批头接杆测电笔螺丝刀

- For 100-500V AC.
- Insulated round blade.
- Interchangeable Bits available.

- 使用范围100-500V AC。
- 绝缘注塑圆形刀杆。
- 可替换不同头型批头。

Code	
10290105	105



100V-500V~

Non-contact AC Voltage Detector
非接触式测电笔

24V-1000V~

- Be widely used in the maintenance of low voltage equipments such as conductors, cables, sockets, and other electrical / electronics instruments.
- AC Voltage detective range 24-1000V.
- Auto power off.
- Audible (buzzer) and visual (LED) indication.
- LED Indication.
- High / Low Voltage Mode (Low: 24-1000V Green; High: 90-1000V Red).

- 广泛用于低压设备的维修，如导线、电缆、插座及其他电力及电气仪器。
- 电压测试范围24-1000V。
- 自动关机。
- 具有声光报警功能。
- LED显示。
- 高低双模式电压范围检测（低电压：24-1000V 绿色；高电压：90-1000V红色）。

Code	Size
10290002	150 x 18 x 23mm



Waterproof Type Voltage Tester
防水型测电笔

24V-690V~

- LCD AC/DC Voltage display: 12V~690V.
- Display stages: 12, 24, 50, 120, 230, 400, 690V AC/DC.
- Continuity test up to 100 kΩ.
- Designed for testing AC/DC voltage, 3-phase voltage, phase sequence, continuity, and more.
- IP65 Standard.
- Continuity test with buzzer and LED indication.

- LCD AC/DC 电压显示: 12V~690V。
- 显示阶段: 12, 24, 50, 120, 230, 400, 690V AC/DC。
- 连续性测试最高达 100 kΩ。
- 用于测试交流/直流电压、三相电压、相序、连续性等。
- IP65防水级。
- 续性测试，蜂鸣和LED发光提示。

Code	Size
10290001	275x51x30mm



Voltage and Continuity Tester
防水型电压及连续性测试仪

12V-690V~

- LCD AC/DC Voltage display: 6V~690V.
- Display stages: 12, 24, 50, 120, 230, 400, 690V AC/DC.
- Continuity test up to 100 kΩ.
- Designed for testing AC/DC voltage, 3-phase voltage, phase sequence, continuity, and more.
- IP65 Standard.
- Continuity test with buzzer and LED indication.
- NOT be used with 110V electrical systems.
- Over voltage category CAT IV 600 V, CAT III 690 V.

- LCD AC/DC 电压显示: 12V~690V。
- 显示阶段: 12, 24, 50, 120, 230, 400, 690V AC/DC。
- 连续性测试最高达 100 kΩ。
- 用于测试交流/直流电压、三相电压、相序、连续性等。
- IP65防水级。
- 续性测试，蜂鸣和LED发光提示。
- 不适用于110V电力系统。
- 符合CAT IV 600 V, CAT III 690 V安全等级。

Code	Size
10290004	272x85x31mm



Mini Clamp Meter
迷你型高精度钳形万用表

CE

- A high precision tool designed with the resolution of 0.1mA. Perfect for anyone requiring high precision and accurate results when working with electronics, such as electrical cars.
- VFC: Reduce the interference of high frequency signal to the measurement result.
- Display count: 6000.
- True RMS.
- Diode test: around 3.0V.
- Auto power off.
- Continuity buzzer.
- LED backlight.
- Input impedance for DCV 10MΩ.

- 设计分辨率为0.1mA的高精度线路故障排查仪。可运用于新能源汽车领域。
- 低通滤波：能减少高频信号对测量结果的干扰。
- 最大量程：6000。
- 真有效值测量。
- 二极管测试：约3.0V。
- 自动关机。
- 通断蜂鸣。
- LED背光。
- 输入阻抗：≥10MΩ。

Code	Size
10290005	175x60x33.5mm



Modern Digital Multimeter
数字万用表

CE

- DC voltage: 200mV/2V/20V/200V/1000V.
- AC voltage: 2V/20V/200V/750V.
- AC/DC Current: 2mA/200mA/20A.
- Max display: 19999.
- Auto power off.
- Low battery indication.
- Input protection: Around 10MΩ.
- Buzzer continuity.

- 直流电压：200mV/2V/20V/200V/1000V。
- 交流电压：2V/20V/200V/750V。
- 直流/交流电流：2mA/200mA/20A。
- 最大显示：19999。
- 自动关机。
- 低电量保护。
- 输入阻抗：≥10MΩ。
- 通断蜂鸣。

Code	Size
10290006	172x83x38mm



Insulated Inspection Mirror

注塑型绝缘窥镜

NEW

1000V

- Telescopic design, flexible length adjustment.
- Angle of mirror adjustable.

- 伸缩设计，可任意调节长度。
- 镜体角度可调节。

Code	Size	L
10362020	20 \oplus x3	200
10362030	30	200
10362040	40	200



Insulating Hammer With Replaceable Inserts

绝缘无回弹可换式锤

1000V

- Ergonomically 2-Component Injection Handle.
- With plastic screw for tensioning the saw blade.
- Handles with VDE insulating sleeves up to 1000V, acc. to EN/IEC 60900.

- 人体工程学双色注塑手柄。
- 用塑料螺丝张紧锯条。
- 套管手柄高达1000V绝缘，符合EN/IEC 60900标准。

Code	L	D
10360001	300	30



Insulating Mats from rubber

绝缘垫

1000V

- Manufactured acc. to EN/IEC 61112. Each tool individually tested at 10,000 V AC and usable for 1,000 V AC.
- For added protection when working live or close to live parts.

- 依据EN/IEC 61112标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V安全使用。
- 带电工作或接近带电零件时增强保护。

Code	Size (mm)
10360500	500x500



Insulating Vinyl Electrical Tape

绝缘胶带

- 0.15mm thickness.
- Flame Retardant.
- RoHS & REACH compliance.
- Resistant to sun, water, oil, acids, alkalies, corrosive chemicals.
- Test Method acc. to IEC 60454-2.

- 厚度0.15mm。
- 阻燃材质。
- 符合RoHS & REACH。
- 耐日光、水、油、酸、碱、腐蚀性化学品。
- 测试标准依据IEC 60454-2。

Code	Tensile Strength 抗拉强度	Elongation 延伸率	Temperature Rating 温度额定值	Dielectric Strength 绝缘强度
10362010	28N/cm	200%	0-90 C	45kV/mm(Standard) / 40kV/mm(Wet)



Electricians' Gloves

电工手套

1000V

- Manufactured acc. to EN/IEC 61112. Each tool individually tested at 10,000 V AC and usable for 1,000 V AC.
- For added protection when working live or close to live parts.

- 依据EN/IEC 61112标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V安全使用。
- 带电工作或接近带电零件时增强保护。

Code	Size
10360009	9#
10360010	10#



Plastic Slip-On Caps conical

绝缘塑料滑套

1000V

- Manufactured acc. to VDE 0680-1. Each tool individually tested at 10,000 V AC and usable for 1,000 V AC.
- To cover bare live cable ends (max. 10 mm dia.).
- Plastic.

- 依据VDE 0680-1标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V安全使用。
- 用以保护带电的裸露电缆头（最大直径10mm）。
- 塑料材质。

Code	Size	\varnothing mm	L
20360001	1#	10	100
20360002	2#	10	100
20360003	3#	10	100



Self-Clamping Slip-On Caps

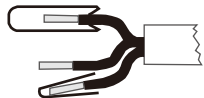
绝缘自动夹紧滑套

1000V

- Manufactured acc. to VDE 0680-1. Each tool individually tested at 10,000 V AC and usable for 1,000 V AC.
- To cover bare live cable ends.
- Plastic.

- 依据VDE 0680-1标准制造。每支产品均单独通过10,000 V 高压测试，确保1000V安全使用。
- 用以保护带电的裸露电缆头。
- 塑料材质。

Code	\varnothing mm	L
20360010	10	81
20360020	20	102
20360030	30	108
20360040	40	120
20360045	45	120
20360050	50	130
20360060	60	130



Inspecting Double-Ears Protective cover
注塑型单色绝缘塑料双耳护套

NEW

△ 1000V

- For overhead line insulators.
- Made from weatherproof insulating material.
- Insulationg according to IEC 60900.
- 用于架空线路的电缆阻隔。
- 采用绝缘防水材料。
- 绝缘性能符合IEC 60900标准。



Code	Size	H
20362180	80	180

Inspecting Single-Ear Protective cover
注塑型单色绝缘塑料单耳护套

NEW

△ 1000V

- For overhead line insulators.
- Made from weatherproof insulating material.
- Insulationg according to IEC 60900.
- 用于架空线路的电缆阻隔。
- 采用绝缘防水材料。
- 绝缘性能符合IEC 60900标准。



Code	Size	H
20361180	80	180

Dipped 4-Way Rim Wrench
浸塑型单色绝缘四用套筒扳手

△ 1000V

- Dip-coated insulation up to 1000 V.
- In according to EN/IEC 60900.
- 浸塑绝缘层高达1000V。
- 浸符合EN/IEC 60900标准。



Code	13	14	17	19	L
20164003					230

Dipped Gear Socket Wrench
浸塑型绝缘双头棘轮套筒扳手

△ 1000V

- Dip-coated insulation up to 1000 V.
- In according to EN/IEC 60900.
- 浸塑绝缘层高达1000V。
- 浸符合EN/IEC 60900标准。



Code	Size
20241317	13x17
20241719	17x19
20241924	19x24



More Dip-coated insulated tools 1000 V on request!
Ask us about custom-orders!

更多浸塑类绝缘产品定制，请与我们联系！

1000V INSULATED TOOL SET 绝缘工具组套



20PCS 3/8" Reversible Ratchet Wrench Set 20件套 3/8 " 绝缘棘轮扳手组套



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100005			
Insulated Hexagon Socket 注塑型单色绝缘六角套筒	10170008	8	x1
	10170010	10	x1
	10170011	11	x1
	10170012	12	x1
	10170013	13	x1
	10170014	14	x1
	10170016	16	x1
	10170017	17	x1
	10170018	18	x1
	10170019	19	x1
	10170021	21	x1
	10170022	22	x1
Insulated Bit Socket for Hexagon Screws 注塑型单色绝缘六角套筒	10190475	4	x1
	10190575	5	x1
	10190675	6	x1
	10190875	8	x1
Insulated Extension Bar 注塑型单色绝缘套筒延长杆	10233812	125	x1
	10233825	250	x1
Insulated Reversible Ratchet Wrench 注塑型双色绝缘双向棘轮扳手	10243820	200	x1
Insulated Injection T-handle Wrench 注塑型双色绝缘T型扳手	10203820	200	x1

20PCS 1/2" Reversible Ratchet Wrench Set 20件套 1/2 " 绝缘棘轮扳手组套



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100006			
Insulated Hexagon Socket 注塑型单色绝缘六角套筒	10160010	10	x1
	10160011	11	x1
	10160012	12	x1
	10160013	13	x1
	10160014	14	x1
	10160017	17	x1
	10160019	19	x1
	10160022	22	x1
	10160024	24	x1
	10160027	27	x1
	10160032	32	x1
Insulated Bit Socket for Hexagon Screws 注塑型单色绝缘六角套筒	10180412	4	x1
	10180512	5	x1
	10180612	6	x1
	10180812	8	x1
Insulated Extension Bar 注塑型单色绝缘套筒延长杆	10181012	10	x1
	10231212	125	x1
	10231225	250	x1
Insulated Reversible Ratchet Wrench 注塑型双色绝缘双向棘轮扳手	10241225	250	x1
Insulated Injection T-handle Wrench 注塑型双色绝缘T型扳手	10201220	200	x1

16PCS 3/8" Torque Wrench Set

16件套 3/8 " 绝缘扭矩扳手组套



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100010			
Insulated Hexagon Socket with Double-Hex, Long Version <small>注塑型单色绝缘十二角长套筒</small>	10170880	8	x1
	10171080	10	x1
	10171280	12	x1
	10171480	14	x1
	10171580	15	x1
	10171780	17	x1
	10171980	19	x1
Insulated Bit Socket for Hexagon Screws <small>注塑型单色绝缘六角旋具套筒</small>	10172280	22	x1
	10190475	4	x1
	10190575	5	x1
	10190675	6	x1
Insulated Extension Bar <small>注塑型单色绝缘套筒延长接杆</small>	10190875	8	x1
	10233812	125	x1
Insulated Torque Wrench 3/8" <small>注塑型绝缘扭矩扳手</small>	10233825	250	x1
	10373810	10-50N	x1
Insulated T-handle Wrench <small>注塑型双色绝缘T型扳手</small>	10243820	200	x1

16PCS 1/2" Torque Wrench Set

16件套 1/2 " 绝缘扭矩扳手组套



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100011				
Insulated Hexagon Socket <small>注塑型单色绝缘六角套筒</small>	10160010	10	x1	
	10160011	11	x1	
	10160012	12	x1	
	10160013	13	x1	
	10160014	14	x1	
	10160016	16	x1	
	10160017	17	x1	
	10160019	19	x1	
	10180412	4	x1	
Insulated Bit Socket for Hexagon Screws <small>注塑型单色绝缘六角旋具套筒</small>	10180512	5	x1	
	10180612	6	x1	
	10180812	8	x1	
	10181012	10	x1	
	10231212	125	x1	
Insulated Extension Bar <small>注塑型单色绝缘套筒延长接杆</small>	10231225	250	x1	
Insulated Torque Wrench 1/2" <small>注塑型绝缘扭矩扳手</small>	10371210	20-100N	x1	
Insulated T-handle Wrench <small>注塑型双色绝缘T型扳手</small>	10201220	200	x1	

46PCS 1/4" Reversible Ratchet Wrench Set

46件套 1/4 " 绝缘棘轮扳手组套



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100012			
Insulated Hexagon Socket <small>注塑型单色绝缘六角套筒</small>	10390004	4	x1
	10390005	5	x1
	10390055	5.5	x1
	10390006	6	x1
	10390007	7	x1
	10390008	8	x1
	10390009	9	x1
	10390010	10	x1
	10390011	11	x1
	10390012	12	x1
	10390013	13	x1
	10390014	14	x1
Insulated Bit Socket for Hexagon Screws <small>注塑型单色绝缘六角旋具套筒</small>	10410365	3	x1
	10410465	4	x1
	10410565	5	x1
	10410665	6	x1
Insulated Extension Bar <small>注塑型单色绝缘套筒延长接杆</small>	10410865	8	x1
	10231475	75	x1
Insulated Reversible Ratchet Wrench <small>注塑型双色绝缘双向棘轮扳手</small>	10231415	150	x1
Insulated Insulated Bitz Adapter <small>注塑型单色绝缘批头套筒</small>	10241415	145	x1
Insulated Adapter for 1/4" Socket <small>注塑型双色绝缘1/4"套筒提杆螺丝批</small>	10396363	1/4"	x1
Bits size <small>批头</small>	10241415	1/4"	x1
	PH0 / PH1 / PH2 / PH3		
	3.0 / 4.0 / 5.0 / 5.5 / 6.0 / 6.5		
	PZ0 / PZ1 / PZ2 / PZ3		
	T10 / T15 / T20 / T25 / T27 / T30		
	M6 / M8 / M10 / M12		

20PCS Spanner Set

20件套绝缘扳手组套



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.

- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100009			
Insulated Single Open-End Spanner <small>注塑型绝缘开口扳手</small>	10130006	6	x1
	10130007	7	x1
	10130008	8	x1
	10130009	9	x1
	10130010	10	x1
	10130011	11	x1
	10130012	12	x1
	10130013	13	x1
	10130014	14	x1
	10130015	15	x1
	10130016	16	x1
	10130017	17	x1
	10130018	18	x1
	10130019	19	x1
	10130022	22	x1
	10130024	24	x1
	10130027	27	x1
Insulated Adjustable Spanner <small>注塑型绝缘活动扳手</small>	10130030	30	x1
	10130032	32	x1
	10150010	250	x1

25PCS Tool Set
25件套综合绝缘组套



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100013				
Insulated Combination Pliers 注册型绝缘钢丝钳	10050008	200	x1	
Insulated Diagonal Cutter 注册型绝缘斜嘴钳	10080006	160	x1	
Insulated screwdriver for slotted screws 注册型绝缘一字螺丝批	12513511	3.5	x1	
	12514101	4.0	x1	
	12515513	5.5	x1	
Insulated screwdriver for phillips screws 注册型绝缘十字螺丝批	12560060	PH0	x1	
	12561081	PH1	x1	
	12562101	PH2	x1	
Insulated Cable Knife(Straight) 注册型双色绝缘直平型电笔刀	10271180	180	x1	
Insulated Dismantling Knife 注册型双色绝缘小圆型剥刀	10272155	155	x1	
Insulated Hexagon Socket 注册型单色绝缘六角套筒	10160010	10	x1	
	10160011	11	x1	
	10160012	12	x1	
	10160013	13	x1	
	10160014	14	x1	
	10160017	17	x1	
Insulated Single Open-End Spanner 注册型绝缘开口扳手	10160019	19	x1	
	10130010	10	x1	
	10130011	11	x1	
	10130012	12	x1	
	10130013	13	x1	
	10130014	14	x1	
Insulated Injection T-handle Wrench 注册型双色绝缘T型扳手	10130017	17	x1	
	10130019	19	x1	
	10201220	200	x1	

28PCS Tool Set for hybrid and electric vehicles
28件套新能源汽车维修配套组套



- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100014				
Insulated Reversible Ratchet Wrench 注册型双色绝缘双向棘轮扳手	10243820	200	x1	
Insulated Injection T-handle Wrench 注册型双色绝缘T型扳手	10203820	200	x1	
Insulated Hexagon Socket 3/8" 注册型单色绝缘六角套筒	10170008	8	x1	
	10170010	10	x1	
	10170011	11	x1	
	10170012	12	x1	
	10170013	13	x1	
	10170014	14	x1	
Insulated Ring Spanner 注册型绝缘梅花扳手	10140010	10	x1	
	10140011	11	x1	
Insulated screwdriver for slotted screws 注册型绝缘一字螺丝批	12515513	5.5	x1	
Insulated screwdriver for phillips screws 注册型绝缘十字螺丝批	12562101	PH2	x1	
Waterproof Type Voltage Tester 防水型测电笔	10290001	24V-690V~	x1	
Insulated Voltage Testerr 注册型单色绝缘测电笔	10290371	125-250V~	x1	
Electricians Scissors 注册型双色绝缘剪刀	10330160	160	x1	
Insulating Plastic Clamp 注册型单色绝缘塑料圆头线夹	10020150	150	x1	
Insulating Plastic Flat Pliers 注册型单色绝缘塑料扁嘴钳	10020200	200	x1	
Plastic Slip-On Caps conical 绝缘塑料护套	20360001	#1	x1	
	20360002	#2	x1	
	20360010	10	x2	
Self-Clamping Slip-On Caps 绝缘自动夹紧系护套	20360020	20	x4	
	20360030	30	x2	
Insulating Vinyl Electrical Tape 绝缘胶带	10362010	0.15	x1	

44PCS Insulated Socket Set for hybrid and electric vehicles
44件套新能源汽车维修配套绝缘套筒组套



- Assembled with 1/2" and 1/4" sockets by 3/8" Wrench.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.
- 可使用3/8"棘轮扳手适配1/2"及1/4"套筒。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100011			
Insulated Hexagon Socket 3/8" 注册型单色绝缘六角套筒	10170008	8	x1
	10170010	10	x1
	10170011	11	x1
	10170012	12	x1
	10170013	13	x1
	10170017	17	x1
Insulated Bit Socket for Hexagon Screws 3/8" 注册型单色绝缘六角旋具套筒	10170019	19	x1
	10190475	4	x1
	10190575	5	x1
	10190675	6	x1
Insulated Extension Bar 3/8" 注册型单色绝缘套筒延长接杆	10190875	8	x1
	10233812	125	x1
	10233825	250	x1
Insulated Reversible Ratchet Wrench 3/8" 注册型双色绝缘双向棘轮扳手	10243820	200	x1
Insulated Injection T-handle Wrench 3/8" 注册型双色绝缘T型扳手	10243820	200	x1
Insulated Hexagon Socket 1/2" 注册型单色绝缘六角套筒	10160010	10	x1
	10160011	11	x1
	10160012	12	x1
	10160014	14	x1
	10160017	17	x1
	10160019	19	x1
Insulated Bit Socket for Hexagon Screws 1/2" 注册型单色绝缘六角旋具套筒	10180412	4	x1
	10180512	5	x1
	10180612	6	x1
	10180812	8	x1
Insulated Hexagon Socket 1/4" 注册型单色绝缘六角套筒	10390004	4	x1
	10390005	5	x1
	10390055	5.5	x1
	10390006	6	x1
	10390007	7	x1
	10390008	8	x1
	10390009	9	x1
	10390010	10	x1
	10390011	11	x1
	10390012	12	x1
	10390013	13	x1
	10390014	14	x1
	10410365	3	x1
	10410465	4	x1
Insulated Bit Socket for Hexagon Screws 1/4" 注册型单色绝缘六角旋具套筒	10410565	5	x1
	10410665	6	x1
	10410865	8	x1
Insulated Adapter 3/8" 注册型绝缘转换接头	11203812	1/2"	x1
	11203814	1/4"	x1

29PCS Tool Set for hybrid and electric vehicles
29件套新能源汽车维修组套



- The perfect range of tools for repairs and maintenance of hybrid & electric vehicles.
- Manufactured acc. to EN/IEC 60900. Each tool individually tested at 10,000 V AC.
- With foam material inserts in durable plastic case.
- 新能源汽车维修保养的最佳配套工具。
- 依据EN/IEC 60900标准制造。每支产品均单独通过10,000 V 高压测试，认证1000V，确保1000V 安全使用。
- 配合内嵌泡沫材质及坚固耐用塑料盒。

Code 100015			
Insulated Hexagon Socket 3/8" 注册型单色绝缘六角套筒	10170008	8	x1
	10170010	10	x1
	10170012	12	x1
	10170013	13	x1
	10170014	14	x1
	10170017	17	x1
	10170018	18	x1
Insulated Reversible Ratchet Wrench 3/8" 注册型双色绝缘双向棘轮扳手	10243820	200	x1
Insulated Injection T-handle Wrench 3/8" 注册型双色绝缘T型扳手	10203820	200	x1
Insulated Extension Bar 3/8" 注册型单色绝缘套筒延长接杆	10233812	125	x1
	10233825	250	x1
Insulated screwdriver for slotted screws 注册型绝缘一字螺丝批	12514101	4	x1
Insulated screwdriver for phillips screws 注册型绝缘十字螺丝批	12562101	PH2	x1
Insulated Heavy-Duty Diagonal Cutter 注册型绝缘重型斜口钳	10080007	180	x1
Insulated Combination Pliers 注册型绝缘钢丝钳	10050008	200	x1
Insulated Snipe Nose Pliers 注册型绝缘尖嘴钳	10060008	200	x1
Insulated Adjustable Spanner 注册型绝缘活动扳手	10150008	200	x1
Insulated Cable Knife(Guard) 注册型双色绝缘护套直平型电笔刀	10275180	180	x1
Insulated Single Open-End Spanner 注册型绝缘开口扳手	10130008	8	x1
	10130010	10	x1
	10130012	12	x1
	10130014	14	x1
	10130017	17	x1
Insulated Ring Spanner 注册型绝缘梅花扳手	10140008	8	x1
	10140010	10	x1
	10140012	12	x1
	10140014	14	x1
Insulated Torque Wrench 3/8" 注册型绝缘扭矩扳手	10373850	10-50N	x1
	10373810	20-100N	x1

108PCS Tool Set
108件套绝缘工具组套

- Hard-wearing case made of ABS material; containing a range of insulated tools for works on electrical installations.
 - Comfortable telescopic handle and two smooth running rolls in the bottom, can be used as a “Trolley”.
 - Height adjustable handle with catch.
 - 2 individual locks for fixation of the cover.
-
- ABS硬壳制造，包含一系列用于电气安装的绝缘工具。
 - 舒适伸缩拉杆手柄及底部两个平滑滚轮，可作为“拉杆箱”使用。
 - 按住握柄按钮来调节拉杆高度。
 - 2个独立锁扣，可安全锁住工具箱。



Code 100001			
Insulated Single Open-End Spanner 注塑型绝缘开口扳手	10130008	8	x1
	10130010	10	x1
	10130012	12	x1
	10130013	13	x1
	10130014	14	x1
	10130015	15	x1
	10130017	17	x1
Insulated Ring Spanner 注塑型绝缘梅花扳手	10130019	19	x1
	10140008	8	x1
	10140010	10	x1
	10140012	12	x1
	10140013	13	x1
	10140014	14	x1
	10140015	15	x1
Insulated Ratchet Cable Cutters 注塑型绝缘棘轮电缆钳	10140017	17	x1
	10140019	19	x1
	10140021	21	x1
	10140022	22	x1
	10260240	240	x1
	Insulated Adjustable Spanner 注塑型绝缘活动扳手	10150010	250 x1
	Insulated Combination Pliers 注塑型绝缘钢丝钳	10050008	200 x1
Insulated Snipe Nose Pliers 注塑型绝缘尖嘴钳	Insulated Diagonal Cutter 注塑型绝缘斜嘴钳	10060008	200 x1
	Insulated Snipe Nose Pliers with bent jaws 注塑型绝缘弯嘴钳	10080006	160 x1
	Insulated Flat Nose Pliers 注塑型绝缘扁嘴钳	10070008	200 x1
	Insulated Wire Strippers 注塑型绝缘剥线钳	10090006	160 x1
	Insulated Water Pump Pliers 注塑型绝缘水泵钳	10100006	160 x1
	Insulated Cable Shears 注塑型绝缘电缆钳	10120010	250 x1
	Insulated Cable Shears 注塑型绝缘电缆钳	10250250	250 x1
Injection Insulated Cable Knife 注塑型双色绝缘电缆刀	Insulated Wire Strippers 注塑型绝缘剥线钳	10271180	50x180 x1
	Insulated Water Pump Pliers 注塑型绝缘水泵钳	10272155	38x155 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	10274180	50x180 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	10276155	38x155 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	10011130	135 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	10012150	160 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	10013150	155 x1
7PCS Insulated Precision Screwdriver Set 7件套双色绝缘精密螺丝刀组套	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	10014142	145 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	140001	x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	50PCS Insulated Interchangeable Screwdriver Set 50件套可换式绝缘螺丝刀组套	120006 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	10020150 150 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	10020200 200 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	

Code 100001			
Electricians Scissors 注塑型绝缘剪刀	10330160	160	x1
	Insulated Junior Hacksaw 注塑型双色绝缘锯架	10360150	150 x1
	Insulated Junior Hacksaw 注塑型双色绝缘锯架		
Plastic Slip-On Caps conical 绝缘塑料护套	10012150	1#	x1
	10013150	2#	x1
	10014142	3#	x1
Self-Clamping Slip-On Caps 绝缘自动夹紧护套	20360010	10	x1
	20360020	20	x1
	20360030	30	x1
Insulating Vinyl Electrical Tape 绝缘胶带	20360040	40	x1
	Insulating Vinyl Electrical Tape 绝缘胶带	10362010	0.15mm x1
	Waterproof Type Voltage Tester 防水型测电笔	10290001	24V-690V~ x1
Electricians' Gloves 电工手套	Electricians' Gloves 电工手套	10360010	10# x1
	Electricians' Gloves 电工手套		
	Electricians' Gloves 电工手套		
ABS Trolley Box ABS拉杆箱	ABS Trolley Box ABS拉杆箱	510x405x265mm	x1
	ABS Trolley Box ABS拉杆箱		
	ABS Trolley Box ABS拉杆箱		

79PCS Tool Set
79件套绝缘工具组套

- Hard-wearing case made of ABS material; containing a range of insulated tools for works on electrical installations.
 - Comfortable telescopic handle and two smooth running rolls in the bottom, can be used as a “Trolley”.
 - Height adjustable handle with catch.
 - 2 individual locks for fixation of the cover.
-
- ABS硬壳制造，包含一系列用于电气安装的绝缘工具。
 - 舒适伸缩拉杆手柄及底部两个平滑滚轮，可作为“拉杆箱”使用。
 - 按住握柄按钮来调节拉杆高度。
 - 2个独立锁扣，可安全锁住工具箱。



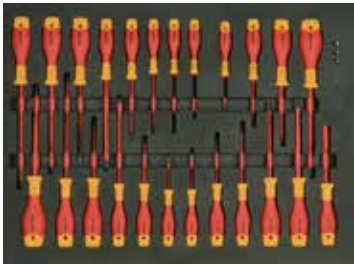
Code 100002			
Insulated Single Open-End Spanner 注塑型绝缘开口扳手	10130010	10	x1
	10130012	12	x1
	10130014	14	x1
	10130017	17	x1
	10130019	19	x1
	10380007	7	x1
	10380008	8	x1
Insulated Ratchet Ring Spanner 注塑型绝缘梅花棘轮扳手	10380010	10	x1
	10380012	12	x1
	10380013	13	x1
	10380014	14	x1
	10380015	15	x1
	10380017	17	x1
	10380018	18	x1
Insulated Adjustable Spanner 注塑型绝缘活动扳手	10380019	19	x1
	10380022	22	x1
	10380024	24	x1
	10150010	250	x1
	Insulated Combination Pliers 注塑型绝缘钢丝钳	10050008	200 x1
	Insulated Snipe Nose Pliers 注塑型绝缘尖嘴钳	10060008	200 x1
	Insulated Diagonal Cutter 注塑型绝缘斜嘴钳	10080006	160 x1
Insulated Snipe Nose Pliers with bent jaws 注塑型绝缘弯嘴钳	Insulated Snipe Nose Pliers with bent jaws 注塑型绝缘弯嘴钳	10070008	200 x1
	Insulated Wire Strippers 注塑型绝缘剥线钳	10110006	160 x1
	Insulated Water Pump Pliers 注塑型绝缘水泵钳	10120010	250 x1
	Insulated Cable Shears 注塑型绝缘电缆钳	10250250	250 x1
	Insulating Plastic Flat Pliers 注塑型双色绝缘塑料扁嘴钳	10020200	200 x1
	Injection Insulated Cable Knife 注塑型双色绝缘电缆刀	10271180	50x180 x1
	Injection Insulated Cable Knife 注塑型双色绝缘电缆刀	10272155	38x155 x1
Insulated Junior Hacksaw 注塑型双色绝缘锯架	Insulated Junior Hacksaw 注塑型双色绝缘锯架	10360150	150 x1
	Insulated Junior Hacksaw 注塑型双色绝缘锯架		
	Insulated Junior Hacksaw 注塑型双色绝缘锯架		
	Insulated Junior Hacksaw 注塑型双色绝缘锯架		
	Insulated Junior Hacksaw 注塑型双色绝缘锯架		
	Insulated Junior Hacksaw 注塑型双色绝缘锯架		
	Insulated Junior Hacksaw 注塑型双色绝缘锯架		
Self-Clamping Slip-On Caps 绝缘自动夹紧护套	Self-Clamping Slip-On Caps 绝缘自动夹紧护套	20360010	10 x2
	Self-Clamping Slip-On Caps 绝缘自动夹紧护套	20360020	20 x2
	Self-Clamping Slip-On Caps 绝缘自动夹紧护套	20360030	30 x1
	Self-Clamping Slip-On Caps 绝缘自动夹紧护套		
	Self-Clamping Slip-On Caps 绝缘自动夹紧护套		
	Self-Clamping Slip-On Caps 绝缘自动夹紧护套		
	Self-Clamping Slip-On Caps 绝缘自动夹紧护套		

Code 100002			
Insulated Hexagon Socket 3/8" 注塑型单色绝缘六角套筒	10170008	8	x1
	10170010	10	x1
	10170011	11	x1
	10170012	12	x1
	10170013	13	x1
	10170014	14	x1
	10170016	16	x1
Insulated Bit Socket for Hexagon Screws 3/8" 注塑型单色绝缘六角旋具套筒	10170017	17	x1
	10170018	18	x1
	10170019	19	x1
	10170021	21	x1
	10170022	22	x1
	10190475	4	x1
	10190575	5	x1
Insulated Reversible Ratchet Wrench 3/8" 注塑型双色绝缘双向棘轮扳手	10190675	6	x1
	10190875	8	x1
	Insulated Reversible Ratchet Wrench 3/8" 注塑型双色绝缘双向棘轮扳手	10243820	200 x1
	Insulated Extension Bar 3/8" 注塑型单色绝缘套筒延长接杆	10233812	125 x1
	Insulated Extension Bar 3/8" 注塑型单色绝缘套筒延长接杆	10233825	150 x1
	Insulated Injection T-handle Wrench 3/8" 注塑型双色绝缘T型扳手	10203820	200 x1
	12PCS Insulated Interchangeable Screwdriver Set 12件套可换式绝缘螺丝刀组套	120004	x1
Insulated screwdriver for Torx® screws 注塑型绝缘花型螺丝刀	12602010	T20	x1
	12602512	T25	x1
	12603013	T30	x1
	10350004	4	x1
	10350005	5	x1
	10350006	6	x1
	10350008	8	x1
Insulated L Wrench for Hexagon Screws 注塑型双色绝缘内六角扳手	10350010	10	x1
	10350012	12	x1
	Insulating Vinyl Electrical Tape 绝缘胶带	10362010	0.15 x1
	Waterproof Type Voltage Tester 防水型测电笔	10290001	24V-690V~ x1
	Electricians' Gloves 电工手套	10360010	10# x1
	ABS Trolley Box ABS拉杆箱	510x405x265mm	x1
	ABS Trolley Box ABS拉杆箱		

186PCS Tool Trolley
186件套绝缘工具车

- Containing a wide range of insulated tools for works on electrical installations.
- Central Locking System.
- Individual locks prevent inadvertent opening in transit.
- Particularly tough, oil and Skydrol resistant worktop made of ABS.
- Oil and acid resistant wheels with two parking brakes.

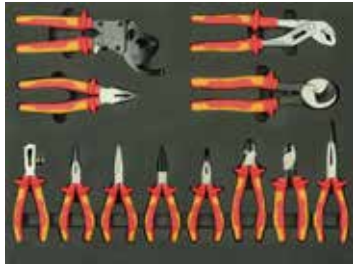
- 包含用于电气安装的全系列绝缘工具。
- 中央锁定系统。
- 独立锁定系统防止运输过程中抽屉不慎打开。
- 工作台面由ABS塑料制成，坚固耐用，耐油耐腐蚀。
- 带2个制动器的防油防酸车轮。



L1			
Insulated screwdriver for slotted screws 双色柄绝缘一字螺丝刀	12512575	2.5x75	x1
	12513101	3.0x100	x1
	12513511	3.5x100	x1
	12514101	4.0x100	x1
	12515015	5.0x150	x1
	12515513	5.5x125	x1
	12546017	6.0x175	x1
Insulated screwdriver for phillips screws 双色柄绝缘十字螺丝刀	12516516	6.5x150	x1
	12560060	PH0x60	x1
	12561081	PH1x80	x1
	12561015	PH1x150	x1
	12562101	PH2x100	x1
	12562117	PH2x175	x1
	12563151	PH3x150	x1
Insulated screwdriver for pozidriv screws 双色柄绝缘米字螺丝刀	12580060	PZ0x60	x1
	12581081	PZ1x80	x1
	12582101	PZ2x100	x1
	12583151	PZ3x150	x1
Insulated screwdriver for Torx® screws 双色柄绝缘花型螺丝刀	12601070	T10x70	x1
	12601580	T15x80	x1
	12602010	T20x100	x1
	12602512	T25x125	x1
Insulated Screwdriver with bit holder 注塑型绝缘批头接杆螺丝刀	12603013	T30x130	x1
	12830100	6.35	x1
Bits 可换批头	M2 / M2.5 / M3 / M4 / M5 / M6		

L2				
Insulated nut driver with screwdriver handle 注塑型绝缘套筒螺丝刀	12854012	4.0	x1	
	12855012	5.0	x1	
	12855512	5.5	x1	
	12856012	6.0	x1	
	12857012	7.0	x1	
	12858012	8.0	x1	
	12859012	9.0	x1	
	12851012	10	x1	
	12851112	11	x1	
	12851212	12	x1	
	12851312	13	x1	
	12851412	14	x1	
	14511550	1.5	x1	
	14511850	1.8	x1	
Insulated Precision Slotted Screwdriver for slotted screws 双色柄绝缘一字精密螺丝刀	14512050	2.0	x1	
	14513050	3.0	x1	
	14562050	PH00	x1	
Insulated Precision Phillips Screwdriver for phillips screws 双色柄绝缘十字精密螺丝刀	14561050	PH0	x1	
	14560150	PH1	x1	
	14600650	T6	x1	
Insulated Precision Torx Screwdriver for Torx® screws 双色柄绝缘花型精密螺丝刀	14600850	T8	x1	
	14601050	T10	x1	
	14601550	T15	x1	
	14602050	T20	x1	
	10271180	50x180	x1	
Injection Insulated Cable Knife 注塑型双色绝缘电缆刀	10274180	50x180	x1	
	10276155	35x155	x1	

186PCS Tool Set
186件套绝缘工具组套



L3			
Insulated Combination Pliers 注塑型绝缘钢丝钳	10050008	200	x1
	10060006	160	x1
Insulated Snipe Nose Pliers 注塑型绝缘尖嘴钳	10060008	200	x1
	10070006	160	x1
Insulated Snipe Nose Pliers with bent jaws 注塑型绝缘弯嘴钳	10070006	160	x1
Insulated Diagonal Cutter 注塑型绝缘斜嘴钳	10080006	160	x1
Insulated Flat Nose Pliers 注塑型绝缘扁嘴钳	10090006	160	x1
Insulated Round Nose Pliers 注塑型绝缘圆嘴钳	10100006	160	x1
Insulated Wire Strippers 注塑型绝缘剥线钳	10110006	160	x1
Insulated Water Pump Pliers 注塑型绝缘水泵钳	10120010	250	x1
Insulated Cable Shears with twin cutting edge 注塑型绝缘双刀口电缆剪	10250150	160	x1
Insulated Cable Shears 注塑型绝缘电缆钳剪	10250250	250	x1
Insulated Ratchet Cable Cutters 注塑型绝缘棘轮电缆钳剪	10260240	240	x1



L4			
Insulated Hexagon Socket 1/4" 注塑型单色绝缘六角套筒	10390004	4	x1
	10390005	5	x1
	10390055	5.5	x1
	10390006	6	x1
	10390007	7	x1
	10390008	8	x1
	10390009	9	x1
	10390010	10	x1
	10390011	11	x1
	10390012	12	x1
	10390013	13	x1
	10390014	14	x1
	10170008	8	x1
	10170010	10	x1
Insulated Hexagon Socket 3/8" 注塑型单色绝缘六角套筒	10170011	11	x1
	10170012	12	x1
	10170013	13	x1
	10170014	14	x1
	10170016	16	x1
	10170017	17	x1
	10170018	18	x1
	10170019	19	x1
	10170021	21	x1
	10170022	22	x1
	10160010	10	x1
	10160011	11	x1
	10160012	12	x1
	10160013	13	x1
Insulated Hexagon Socket 1/2" 注塑型单色绝缘六角套筒	10160014	14	x1
	10160016	16	x1
	10160017	17	x1
	10160018	18	x1
	10160019	19	x1
	10160021	21	x1
	10160022	22	x1
	10160024	24	x1
	10160027	27	x1
	10160030	30	x1
	10160032	32	x1
	10241415	145	x1
	10243820	200	x1
	10241225	250	x1
Insulated Reversible Ratchet Wrench 1/4" 注塑型双色绝缘双向棘轮扳手	10203820	200	x1
	10201220	200	x1
	10180412	4	x1
	10180512	5	x1
	10180612	6	x1
Insulated Reversible Ratchet Wrench 3/8" 注塑型双色绝缘双向棘轮扳手	10180812	8	x1
	10181012	10	x1
	10373825	5-25N	x1
Insulated Reversible Ratchet Wrench 1/2" 注塑型双色绝缘双向棘轮扳手	10371250	10-50N	x1

186PCS Tool Set
186件套绝缘工具组套



L5			
Insulated Single Open-End Spanner 注册型绝缘开口扳手	10130010	10	x1
	10130012	12	x1
	10130013	13	x1
	10130014	14	x1
	10130017	17	x1
Insulated Ring Spanner 注册型绝缘梅花扳手	10130019	19	x1
	10140014	14	x1
	10140017	17	x1
Insulated Ratchet Ring Spanner 注册型绝缘梅花棘轮扳手	10140019	19	x1
	10380008	8	x1
	10380010	10	x1
	10380012	12	x1
	10380013	13	x1
	10380014	14	x1
	10380017	17	x1
	10380018	18	x1
Insulated L Wrench for Hexagon Screws 注册型双色绝缘内六角扳手	10380022	22	x1
	10350003	3	x1
	10350004	4	x1
	10350005	5	x1
	10350006	6	x1
Insulated L Wrench for Torx® Screws 注册型双色绝缘梅花起子	10350008	8	x1
	10350012	12	x1
	10351000	T10	x1
	10351500	T15	x1
	10352000	T20	x1
	10352500	T25	x1
	10352700	T27	x1
	10353000	T30	x1
	10354000	T40	x1
	10354500	T45	x1
Insulated Adjustable Spanner 注册型绝缘活动扳手	10355000	T50	x1
	10355500	T55	x1
	10150006	150	x1
	10150010	250	x1

L6			
Insulated Twzzerz 注册型绝缘精密镊子	10011130	135	x1
	10012150	160	x1
	10013150	155	x1
	10014142	145	x1
Plastic Slip-On Caps conical 绝缘塑料滑套	20360001	1#	x1
	20360002	2#	x1
	20360003	3#	x1
	20360010	10	x1
Self-Clamping Slip-On Caps 绝缘自动夹紧滑套	20360020	20	x1
	20360030	30	x1
	20360040	40	x1
	20360050	50	x1
Insulating Plastic Clamp 注册型单色绝缘塑料圆头线夹	10020085	85	x1
	10020150	150	x1
Insulating Plastic Flat Pliers 注册型单色绝缘塑料扁嘴钳	10020200	200	x1
Inspection Mirror 注册型绝缘窥视镜	10362020	20	x1
	10362040	40	x1
Electricians Scissors 注册型双色绝缘剪刀	10330160	160	x1
Insulating Vinyl Electrical Tape 绝缘胶带	10362010	0.15	x1
Insulated Voltage Testerr 注册型单色绝缘测电笔	10290001	70	x1
Voltage and Continuity Tester 防水型电压及连续性测试仪	10290001	272x85x31mm	x1
Mini Clamp Meter 迷你型高精度钳形万用表	10290005	175x60x33.5mm	x1
Modern Digital Multimeter 数字万用表	10290006	172x83x38mm	x1



L7			
Insulated Junior Hacksaw 注册型双色绝缘锯架	10360150	300	x1
Insulating Hammer With Replaceable Inserts 绝缘无回弹可换式锤	10360001	300	x1
Electricians' Gloves 电工手套	10360010	10#	x1
Insulating Mats from rubber 绝缘垫	10360500	500x500	x1





TORQUE TOOLS

扭矩工具

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Electronic Torque Wrench 数显扭矩扳手



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Adjustable Click Type Torque Wrench 可调脱跳式扭矩扳手



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Preset Click Type Torque Wrench 定值脱跳式扭矩扳手



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Adjustable Click Type Torque Wrench 可调脱跳式扭矩扳手



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Dial Torque Wrench 指针式扭矩扳手



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Torque Multiplier 扭矩倍增器



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ALLWAYS Calibration

欧唯斯精度校验

ALLWAYS accuracy calibration laboratory built in accordance with ISO/IEC17025 standards, from the testing of accessories to final inspection, all of process we use professional and international well-known brand calibrating equipment, to ensure every torque wrench has guaranteed, stable and accurate torque output

欧唯斯精度校验实验室，依据ISO/IEC17025标准打造，从配件检测到产品终检均配备专业的国际知名品牌校验设备及专业流程，确保每一把出厂的扭矩扳手均能保证稳定精确的扭力输出





ALLWAYS Service

欧唯斯售后服务

All ALLWAYS torque tools manufactured according to DIN EN ISO 6789 are supplied with a calibration certificate. Our workshop offers a comprehensive service for all torque tools

Please contact us with any queries regarding service, recalibration or repair

依据DIN ISO 6789制造的欧唯斯扭力工具均附带出厂校验报告。我们为所有的扭力工具提供全面的服务。如有任何有关服务、重新校准或维修事宜，请随时与我们联系



What is Torque

什么是扭矩

Torque = Force × Length (T = F × L)

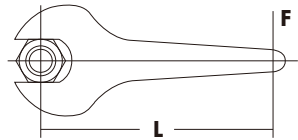
扭矩=力×力臂(T= F×L)

The force required to rotate an object, the“force moment” and “rotation moment”, is known as torque.
转动物体所需的力，即“力矩”和“转矩”，称为扭矩

Torque (T) is shown as the product of the force (F) and the length (L).

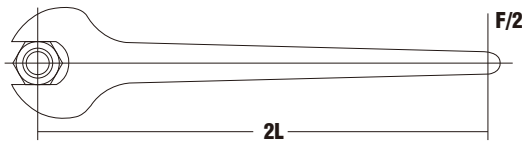
扭矩(T)等于力(F)和力臂(L)的乘积

T=F×L



= 2F × L/2

If the force is doubled, halving the length will develop the same torque. 如果力加倍，力臂减半，则产生的扭矩相同。



= F/2 × 2L

If the force is halved, doubling the length will develop the same torque. 如果力减半，力臂加倍，则产生的扭矩亦相同。

Force unit

力的单位

[N] (newton) SI unit

[N](牛顿)SI(国际单位制)单位

One newton [N] (≈0.1 [kgf]) is the force caused by accelerating a mass of 1kg at 1m/s²

在质量为1kg的物体上，作用1m/s²的加速度时产生的力为1牛顿[N](≈0.1[kgf])的力

[kgf] (千克力)

Mass unit

质量单位

[kg] (kilogram千克)

Length unit

力臂单位

[m] (meter米)

Torque Units

扭矩单位

SI unit 国际单位制单位

[N · m]

1000[mN · m]= 100[cN · m]= 1[N · m]= 0.001[kN · m]

Metric unit(Gravity unit) 公制单位(重力单位)

[kgf · cm]

1000[gf · cm]= 1[kgf · cm]= 0.01[kgf · m]

American unit 美制单位

[lbf · in]

16[ozf · in]= 1[lbf · in]= 0.0833[lbf · ft]

Unit of Torque and Conversion Values

扭矩的单位和换算值

	SI unit system 国际单位制			Metric(Gravity)unit system 公制（重力）单位制			American unit system 美制单位制		
	mN·m	cN·m	N·m	gf·cm	kgf·cm	kgf·m	ozf·in	lbf·in	lbf·ft
1mN·m =	1	0.10	0.001	10.2	0.0102	0.000102	0.142	0.00885	0.000738
1cN·m =	10	1	0.01	102	0.102	0.00102	1.42	0.0885	0.00738
1N·m =	1000	100	1	10200	10.0	0.102	142	8.85	0.738
1gf·cm =	0.0981	0.0981	0.0000981	1	0.01	0.00001	0.0139	0.000868	0.0000723
1kgf·cm =	98.1	9.81	0.0981	1000	1	0.01	13.9	0.868	0.0723
1kgf·m =	9810	981	9.81	100000	100	1	1390	86.8	7.23
1ozf·in =	7.06	0.706	0.00706	72.0	0.072	0.00072	1	0.0625	0.00521
1lbf·in =	113	11.3	0.113	1150	1.15	0.0115	16	1	0.833
1lbf·ft =	1360	136	1.36	13800	13.8	0.138	192	12	1
Country/Region 国家 / 地区	Japan, China, Europe 日本，中国，欧洲			Asia 亚洲			U.S.A., Aircraft industry 美国，航空业		

1 [N·m]= 10.1972 [kgf·cm] ≈10.20 [kgf·cm]

1 [kgf·cm]=0.0980665 [N·m] ≈ 0.0981 [N·m]

Conversion example:

换算示例：

T = 25.0 [kgf·cm]
= 25.0 × 0.0980665
= 2.4516625 [N·m]
≈ 2.45 [N·m]

How to use torque tools

如何使用扭矩仪器

Precautions when selecting accessories

选择附件时的注意事项

There is a danger that hexagonal sockets, (ballpoint type), universal joints, and flexible joints may adversely affect the tightening accuracy 六角套筒、万向接头和柔性接头可能会对紧固精度产生不利影响

There is a danger that extension bars and torsion bars may adversely affect the durability of the torque tools 延长杆和扭杆可能会对扭矩仪器产生不利影响

Use sockets, bits and adaptors that come within the range of assured strength 套筒、刀头和转接头等请在强度范围内使用

Use sockets and bits that match the screw size 使用与螺丝尺寸匹配的套筒和刀头

Depending on the accessories such as sockets and extension bars, there is a danger that the tightening curacy and the tool durability may be lost. Take care when selecting the accessories 如选用不同的套筒和延长杆等附件，可能会对紧固精度和仪器 耐久性产生不利影响。选择附件时请注意

Inspections when starting work

开始作业时的检查事项

Confirm the usage torque(For adjustable type tools, confirm that the scale values are correctly set to the usage torque. For preset type tools, confirm that the torque values described in the main unit are correctly set) 确认使用扭矩（对于预置型产品，确认刻度值是否设定为正确使用扭矩。对于单功能型，确认扭矩值是否设定正确）

Check whether or not there are scratches or rust on the main unit 检查本体是否有划痕或生锈

Confirm that there is no distortion of the main unit 确认本体有无变形

Confirm that there are no parts missing. (Take particular care about damage to the ratchet part.) 确认部件是否缺失。（特别注意棘轮部分是否损坏）

Check whether there is wear on the socket and bit 检查套筒和刀头是否有磨损

Quickly detect degradation and damage to parts, and carry out the tightening work using equipment that can be guaranteed 快速检测部件的老化和损坏状况，使用正常的设备进行紧固作业

Method of applying force in manual torque tools

手动式扭矩工具的施力方法

Apply force in the direction of“ARROW” 向标示箭头的方向施力

Apply force at the effective length line 在有效长度线施力

Pull (or push)the force horizontally 水平方向(推动)施力

Apply the force at right angles 垂直方向施力

Do not apply the force with momentum 请勿施力过猛

Do not add your body weight when applying the force 施力时请勿将身体的重量施加于物体上

As soon as you hear the“click”sound or feel that the operation has finished, quickly remove the force 听到“咔嚓”的声音或感觉到紧固已完成后，迅速停止施力

Do not repeat the same operation two or three times on the same screw 请勿对相同螺栓重复进行两到三次操作

By carrying out operations using an unreasonable posture, it will not be possible to use the torque tools correctly. Be sure to confirm the work environment where the force is applied naturally 作业姿势不当，将无法正确使用扭力工具。务必确认施力的作业环境

Cautions when using manual torque tools

使用手动式扭矩工具的注意事项

Do not drop or allow the equipment to contact other objects 注意请勿让工具进灰或进水

Do not apply over-torque 请勿施加过载扭矩

Do not use for screw returning work 请勿用于螺栓拧松操作

Use the tool with the extension handle. (QLE2, CLE2) 使用带延长手柄的工具。（QLE2、CLE2）

Do not use the tool by extending the handle part 请勿在手柄后加管以延长其长度使用

Use the wrench with in the scale range 请勿在刻度范围外使用

Cautions for storage

保管时的注意事项

When storing torque tools, reduce the graduation. (Adjustable types) 保管扭力工具时，将刻度调低。（预置型）

Store in a location with low humidity where there is little change in temperature 保管在温差变化不大的低湿度场所

If the tool is not used for a long period of time, inspect it occasionally 如果工具长时间不用，定期进行检查

Cautions when using power torque tools

使用动力式扭矩工具的注意事项

Adjust the usage pressure with a regulator (pressure at hand) 用调节器调整使用压力(出气口气压)

Ensure that the usage pressure does not vary 确保使用压力不发生变化

Use the stipulated air hose diameter item 使用规定直径的空气软管

Do not use a longer air hose than the required length 请勿使用超出所需长度的空气软管

Take care that dirt or water does not enter into the equipment 注意请勿让设备进灰或进水

When first making the connection, connect after blowing into the air hose 第一次连接时，向空气软管吹气后再连接

Apply oil (ISO VG32 (Turbine oil #90) 适用润滑油(ISO VG32(涡轮机油 #90)

Use the three-point set (Regulator, filter, oiler) 使用三件套装(调压器、过滤器、注油器)

When the equipment will not be used for one week or longer, insert oil directly into the cap (approximately 10 drops), lightly rotate it one time, and then store it 设备超过一周或更长时间不使用时，将润滑油直接滴入进气口(约10滴)，轻轻转动一下，然后再妥善保管

Continue to pull the starting lever until the tightening has been completed. (Automatic stop or automatic reversing) 继续拉起动杆直到紧固完成。（自动停止或自动反转）

Do not repeat the same operation two or three times on the same screw 请勿对相同螺栓重复进行两到三次操作

Daily Check

日常检查

Torque tool daily check can help to find any damaged or missed parts on the early stage, and this prevents users from serious accidents.Unlike the periodical calibrations, the evaluation standards of the daily check are determined based on the comparison between the result of this time and the last time 扭矩工具日常检查有助于第一时间发现损坏和缺少的部件，避免用户在使用过程中发生严重问题。与定期校准不同，扭矩工具日常检查的评估标准是通过对比此次结果与上次结果而得出的

Daily Check List

日常检查清单

	Check list 检查清单	How to check 如何检查	Evaluation standard 评估标准	Repairable/Unrepairable 可维修/不可维修
Torque value 扭矩值	Torque value 扭矩值	Visually 目测	Whether clearly recognize the indicating value 是否能清晰辨认指示值	Repairable 可维修
	Tendency 倾斜	Operation test with tester 用检测仪进行操作检测	Whether the value of today is much different from the last time's/out of its usable capacity 是否此次的值与上次相差过大/超出可用容量	
Scale 刻度	Dirt/stain 灰尘/污垢	Visually 目测	Vague 模糊	Repairable 可维修
	Scratch 划痕	Visually 目测	Vague 模糊	
	Aberration of scale line 刻度线有偏差	Visually 目测	Scale line is not on the standard line 刻度线是否在标准上	
Outside appearance 外观	Crack 裂缝	Visually 目测	Yes / No 有 / 无	Unrepairable 不可维修
	Peeling chrome 镀铬层脱落	Visually 目测	Yes / No 有 / 无	
	Rust 掉漆	Visually 目测	Yes / No 有 / 无	
	Bend of tube 套管弯曲	Visually 目测	Yes / No 有 / 无	
	Deformation of tube 套管变形	Visually 目测	Yes / No 有 / 无	
	Serial number 序列号	Visually 目测	Whether clearly recognize the serial number 是否能清晰辨认序列号	
Ratchet 棘轮	Abnormal ratchet rotation 棘轮转动异常	Turn ratchet right and left/ Shake ratchet part 左右转动棘轮/摇动棘轮部	Different rotation sounds/ Strainge noise 转动声音不同/奇怪噪声	Repairable if parts replaced 如果更换部件则可维修
	Ball plunger missing/ wearing 定位球塞缺失/磨损	Visually Taking and putting out socket/bit 目测 取下套筒/刀头	Ball plunder missing Socket/bit easily fallen out 定位球塞缺失 套筒/刀头易掉落	
	Ratchet lever missing 棘轮杆缺失	Visually 目测		
	Screw missing/loosening 螺钉缺失/松动	Visually 目测		
Parts 部件	Unable to lock sub-scale 无法锁定副刻度	Tighten locker 紧固锁定器	Locker hits the spring pin 锁定器碰到弹簧销	Repairable 可维修
	Head pin rattling 板头销松动	Visually 目测		
	Sub-scale missing 副刻度缺失	Visually 目测		Repairable if parts replaced 如果更换部件则可维修
	Locker missing 锁定器缺失	Visually 目测		
	Extension handle missing/loosening 延长手柄缺失/松动	Visually 目测		

Replace part

更换部件

Replace ratchet part

更换棘轮部件

Disassembling the ratchet
拆解棘轮

Remove the flat head screw (Phillips or hexagonal) using a screwdriver or hexagon key
使用螺丝刀或内六角扳手拆下平头螺钉(十字 槽、六角头)

Remove the head cover from the head and ratchet
从扳头和棘轮处取下头部盖板

Remove the ratchet assembly
取下棘轮组件

Take out the ratchet springs. (Be careful that the ratchet springs do not spring out.)
取出棘轮弹簧。（小心棘轮弹簧飞出。）

Remove the head saws
取下棘轮爪

Reassembling the ratchet

重新组装棘轮

Insert the head saw axis part back into the hole of the head of the head
将棘轮爪的轴部插入扳头的孔中

Install the ratchet springs between the ratchet and the head saws so that the springs'small diameters are touching the head saws. (Be careful that the ratchet springs do not spring out.)
在棘轮和棘轮爪之间安装棘轮弹簧，使弹簧细端能触碰到棘轮爪。（小心棘轮弹簧飞出。）

Insert the ratchet assembly while pressing down on the head saw
按住棘轮爪的同时插入棘轮组件

Install the head cover, centering the hole over the ratchet
安装扳头盖，将扳头盖的中心孔对准棘轮

Place some screw adhesive on a small plate and apply a small quantity into the hole of the head cover. (Be careful not to get the adhesive on the inside parts.)
取一些螺钉用粘合剂放在小盘中，并向扳头盖的孔中涂抹少量粘合剂。（注意不要涂抹到其他部件。）

Tighten the flat head screw (Phillips or hexagonal), using a Phillips (plus) screwdriver or hexagon key
使用十字螺丝刀或内六角扳手紧固平头螺钉(十字槽、六角头)



Digital
Torque
Wrench

Electronic Torque Wrench
数显扭矩扳手

NEW



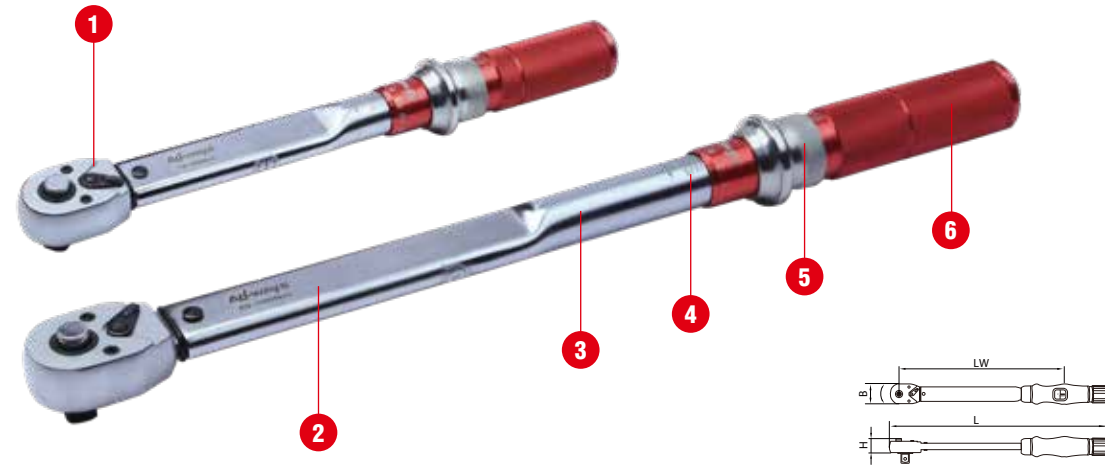
- Units of Measure: N·m, in·lb, ft·lb, kgm.
- Two measuring methods: Track, Peak hold.
- Convenient and accurate calibration method.
- All these models are suitable for clockwise and anticlockwise tightening.
- Display Deviation Value: Clockwise $\pm 1.5\%$, anticlockwise $\pm 2\%$.
- Evaluation of tightening operation by means of lights flashing and buzzer
- Preset Torque Value.
- Supplied with Double A Size Battery, increase the working efficiency without charging.
- Automatic shutdown without operation for three minutes to save power.

- 测量单位: N·m, in·lb, ft·lb, kgm.
- 两种工作模式: T (跟踪) 和 P (峰值保持) 模式。
- 便捷准确的校准方式。
- 所有规格均可双向使用。
- 显示精度: 正向 $\pm 1.5\%$, 反向 $\pm 2\%$ 。
- 灯光蜂鸣双信号扭矩报讯。
- 可预设扭矩值。
- 使用两节五号干电池, 省去充电时间, 可以持续工作。
- 三分钟无操作自动关机, 节约电量。



Code	□	N·m	L	clockwise / 正向	anticlockwise / 反向	△
64714030	1/4"	1.5-30	409	$\pm 1.5\%$	$\pm 2\%$	0.65
64718135	3/8"	6.8-135	409	$\pm 1.5\%$	$\pm 2\%$	0.75
64712135	1/2"	6.8-135	409	$\pm 1.5\%$	$\pm 2\%$	0.90
64712200	1/2"	10-200	532	$\pm 1.5\%$	$\pm 2\%$	1.24
64712340	1/2"	17-340	652	$\pm 1.5\%$	$\pm 2\%$	1.40
64714500	3/4"	25-500	942	$\pm 1.5\%$	$\pm 2\%$	3.15
64714850	3/4"	42.5-850	1232	$\pm 1.5\%$	$\pm 2\%$	3.70
64711500	1"	25-500	942	$\pm 1.5\%$	$\pm 2\%$	3.30
64711850	1"	42.5-850	1232	$\pm 1.5\%$	$\pm 2\%$	3.85
64711120	1"	60-1200	1778	$\pm 1.5\%$	$\pm 2\%$	10.02
64711150	1"	75-1500	1778	$\pm 1.5\%$	$\pm 2\%$	10.02
64711200	1"	100-2000	1778	$\pm 1.5\%$	$\pm 2\%$	10.02

Adjustable Click Type Torque Wrench
可调脱跳式扭矩扳手

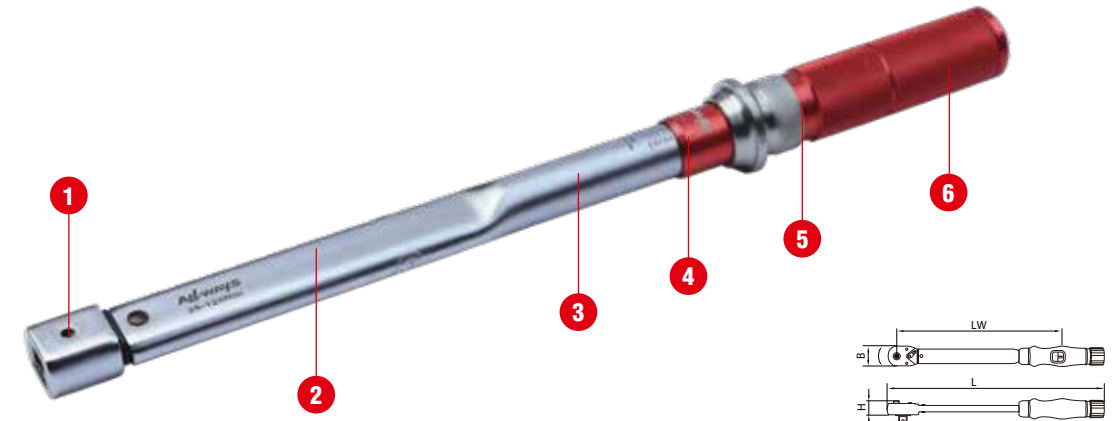


- 1 a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
b) Push button design for quick release function.
c) Accuracy of torque $\pm 4\%$; quality meets DIN ISO 6789.
- 2 Chrome-molybdenum steel flat tube design makes a small cross-section, and easier to be used in narrow space.
- 3 Each piece stamping ID number for traceability.
- 4 Single/Dual scale laser marking on the steel tube. Micrometer scale for more accurate torque value setting.
- 5 Easy torque-adjusting design. Lock mechanism: Pull locking ring down to "unlock" the wrench for torque setting; release locking ring to "lock".
- 6 Handle: Non-slip knurled handle design; customized color handle is available.

- 1 a) 棘轮头：铬钒合金钢制造，确保更持久的使用寿命。
b) 快脱按钮方便快速替换套筒。
c) 精度误差 $\pm 4\%$ ；品质符合 DIN ISO 6789 标准。
- 2 铬钼钢扁管设计，截面小，便于在狭小空间。
- 3 每一支产品拥有独立编号，方便追溯。
- 4 单/双标度激光打标。微分刻度线确保读数精准。
- 5 方便的扭矩调节设计。锁紧结构：下拉锁紧圈“解锁”，进行扭矩设定；释放锁紧圈“锁定”。
- 6 手柄：防滑滚花手柄设计；可定制手柄颜色。

Code	□	N·m	L	LW	B	H	⚙️
62114005	1/4"	1-5	240	172	29.34	13.07	0.37
62114010	1/4"	2-10	240	172	29.34	13.07	0.37
62118025	3/8"	5-25	275	210	31.73	17.00	0.50
62118050	3/8"	10-50	275	210	31.73	17.00	0.51
62118100	3/8"	20-100	380	310	32.19	17.52	0.66
62112050	1/2"	10-50	275	210	31.73	17.00	0.51
62112100	1/2"	20-100	380	310	32.19	17.52	0.67
62112125	1/2"	25-125	380	310	32.19	17.52	0.67
62112200	1/2"	40-200	503	418	44.21	20.79	1.40
62112300	1/2"	60-300	695	615	44.21	20.79	1.90
62112340	1/2"	70-340	695	615	44.21	20.79	1.75
62114500	3/4"	100-500	945	825	67.00	33.70	5.80
62114800	3/4"	160-800	1225	1115	67.00	33.70	7.02
62114001	3/4"	200-1000	1225	1115	67.00	33.70	7.02
62111500	1"	100-500	945	825	67.00	33.70	5.87
62111800	1"	160-800	1225	1115	67.00	33.70	7.10
62111001	1"	200-1000	1225	1115	67.00	33.70	7.10

Adjustable Click Type Torque Wrench-Interchangeable
可调脱跳式扭矩扳手-可换式



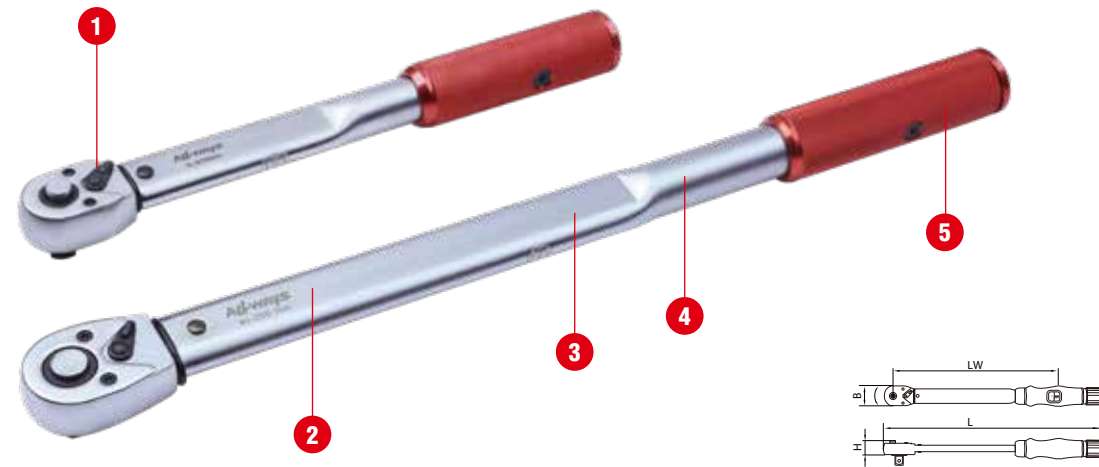
- 1 Interchangeable Head: The quick released design for changing insert tools quickly.
- 2 Chrome-molybdenum steel flat tube design makes a small cross-section, and easier to be used in narrow space.
- 3 Each piece stamping ID number for traceability.
- 4 Single/Dual scale laser marking on the steel tube. Micrometer scale for more accurate torque value setting.
- 5 Easy torque-adjusting design. Lock mechanism: Pull locking ring down to "unlock" the wrench for torque setting; release locking ring to "lock".
- 6 Handle: Non-slip knurled handle design; customized color handle is available.

- 1 可换头设计：快脱设计方便快速替换可换插件。
- 2 铬钼钢扁管设计，截面小，便于在狭小空间。
- 3 每一支产品拥有独立编号，方便追溯。
- 4 单/双标度激光打标。微分刻度线确保读数精准。
- 5 方便的扭矩调节设计。锁紧结构：下拉锁紧圈“解锁”，进行扭矩设定；释放锁紧圈“锁定”。
- 6 手柄：防滑滚花手柄设计；可定制手柄颜色。

Code	□	N·m	L	⚙️
60132025	9x12	5-25	260	0.38
60132050	9x12	10-50	260	0.40
60132100	9x12	20-100	357	0.53
60132125	9x12	25-125	357	0.52
60138200	14x18	40-200	476	1.21
60138300	14x18	60-300	667	1.68
60138340	14x18	70-340	667	1.53

Preset Click Type Torque Wrench

定值脱跳式扭矩扳手



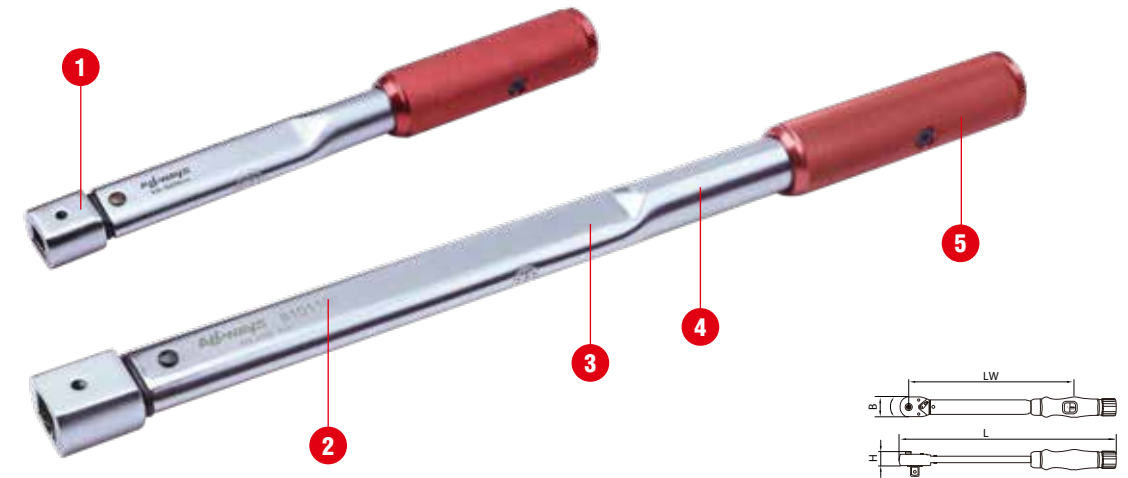
- 1 a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
b) Push button design for quick release function.
c) Accuracy of torque $\pm 4\%$; quality meets DIN ISO 6789.
- 2 Chrome-molybdenum steel flat tube design makes a small cross-section, and easier to be used in narrow space.
- 3 Each piece stamping ID number for traceability.
- 4 The customization for the torque setting.
- 5 Handle: Non-slip knurled handle design; customized color handle is available.

- 1 a) 棘轮头: 铬钒合金钢制造, 确保更持久的使用寿命。
b) 快脱按钮方便快速替换套筒。
c) 精度误差 $\pm 4\%$; 品质符合 DIN ISO 6789 标准。
- 2 铬钼钢扁管设计, 截面小, 便于在狭小空间。
- 3 每一支产品拥有独立编号, 方便追溯。
- 4 为客户定制出厂扭矩值。
- 5 手柄: 防滑滚花手柄设计; 可定制手柄颜色。

Code	□	N·m	L	LW	B	H	🔊
62124005	1/4"	1-5	229	170	29.34	13.07	0.33
62128025	3/8"	5-25	266	247	31.73	17.00	0.45
62128050	3/8"	10-50	266	247	31.73	17.00	0.46
62128100	3/8"	20-100	365	307	32.19	17.52	0.46
62122050	1/2"	10-50	266	247	31.73	17.00	0.48
62122100	1/2"	20-100	365	307	32.19	17.52	0.62
62122125	1/2"	25-125	365	307	32.19	17.52	0.62
62122200	1/2"	40-200	495	413	44.21	20.79	1.37
62122300	1/2"	60-300	685	600	44.21	20.79	1.85
62122340	1/2"	70-340	685	600	44.21	20.79	1.71

Preset Click Torque Wrench-Interchangeable

定值脱跳式扭矩扳手-可换式



- 1 Interchangeable Head: The quick released design for changing insert tools quickly.
- 2 Chrome-molybdenum steel flat tube design makes a small cross-section, and easier to be used in narrow space.
- 3 Each piece stamping ID number for traceability.
- 4 The customization for the torque setting.
- 5 Handle: Non-slip knurled handle design; customized color handle is available.

- 1 可换头设计: 快脱设计方便快速替换可换插件。
- 2 铬钼钢扁管设计, 截面小, 便于在狭小空间。
- 3 每一支产品拥有独立编号, 方便追溯。
- 4 为客户定制出厂扭矩值。
- 5 手柄: 防滑滚花手柄设计; 可定制手柄颜色。

Code	🔧	N·m	L	🔊
60142025	9x12	5-25	247	0.37
60142050	9x12	10-50	247	0.38
60142100	9x12	20-100	344	0.513
60142125	9x12	25-125	344	0.51
60148200	14x18	40-200	444	1.16
60148300	14x18	60-300	656	1.68
60148340	14x18	70-340	656	1.50

Adjustable Click Type Torque Wrench
可调脱跳式扭矩扳手

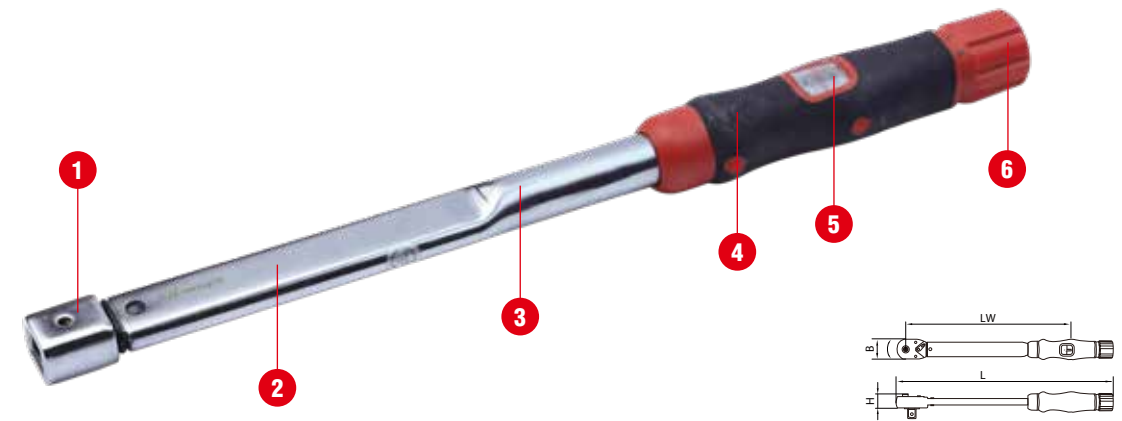


- 1 a) Ratchet Head: Chromium-vanadium alloy steel brings better strength and life cycle.
b) Push button design for quick release function.
c) Accuracy of torque $\pm 4\%$; quality meets DIN ISO 6789.
- 2 Chrome-molybdenum steel flat tube design makes a small cross-section, and easier to be used in narrow space.
- 3 Each piece stamping ID number for traceability.
- 4 TPR Handle: The injection method TPR handle with non-slip and comfort features.
- 5 Window Display: Easy readable scale below a window.
- 6 Easy torque-adjusting design. Lock mechanism: Pull the end cap down to "unlock" the wrench for torque setting; release cap to "lock".

- 1 a) 棘轮头: 铬钒合金钢制造, 确保更持久的使用寿命。
b) 快脱按钮方便快速替换套筒。
c) 精度误差 $\pm 4\%$; 品质符合 DIN ISO 6789 标准。
- 2 铬钼钢扁管设计, 截面小, 便于在狭小空间。
- 3 每一支产品拥有独立编号, 方便追溯。
- 4 TPR注塑防滑手柄, 握感舒适。
- 5 视窗设计: 窗口内的刻度易于阅读。
- 6 方便的扭矩调节设计。锁紧结构: 下拉尾帽“解锁”, 进行扭矩设定; 释放尾帽“锁定”。

Code	□	N·m	L	LW	B	H	允差
62214005	1/4"	1-5	250	165	29.34	13.07	0.36
62214010	1/4"	2-10	250	165	29.34	13.07	0.36
62218025	3/8"	5-25	290	203	31.73	17	0.47
62218050	3/8"	10-50	290	203	31.73	17	0.49
62218100	3/8"	20-100	390	300	32.19	17.52	0.62
62212050	1/2"	10-50	290	203	31.73	17	0.50
62212100	1/2"	20-100	390	300	32.19	17.52	0.64
62212125	1/2"	25-125	390	300	32.19	17.52	0.64
62212200	1/2"	40-200	530	400	44.21	20.79	1.40
62212300	1/2"	60-300	720	590	44.21	20.79	1.86
62212340	1/2"	70-340	720	590	44.21	20.79	1.72

Adjustable Click Type Torque Wrench-Interchangeable
可调脱跳式扭矩扳手-可换式



- 1 Interchangeable Head: The quick released design for changing insert tools quickly.
- 2 Chrome-molybdenum steel flat tube design makes a small cross-section, and easier to be used in narrow space.
- 3 Each piece stamping ID number for traceability.
- 4 TPR Handle: The injection method TPR handle with non-slip and comfort features.
- 5 Window Display: Easy readable scale below a window.
- 6 Easy torque-adjusting design. Lock mechanism: Pull the end cap down to "unlock" the wrench for torque setting; release cap to "lock".

- 1 可换头设计: 快脱设计方便快速替换可换插件。
- 2 铬钼钢扁管设计, 截面小, 便于在狭小空间。
- 3 每一支产品拥有独立编号, 方便追溯。
- 4 TPR注塑防滑手柄, 握感舒适。
- 5 视窗设计: 窗口内的刻度易于阅读。
- 6 方便的扭矩调节设计。锁紧结构: 下拉尾帽“解锁”, 进行扭矩设定; 释放尾帽“锁定”。

Code	□	N·m	L	允差
60232025	9x12	5-25	260	0.39
60232050	9x12	10-50	260	0.41
60232100	9x12	20-100	357	0.52
60232125	9x12	25-125	357	0.52
60238200	14x18	40-200	476	1.18
60238300	14x18	60-300	667	1.68
60238340	14x18	70-340	667	1.51

Dial Torque Wrench
指针式扭矩扳手

+4%



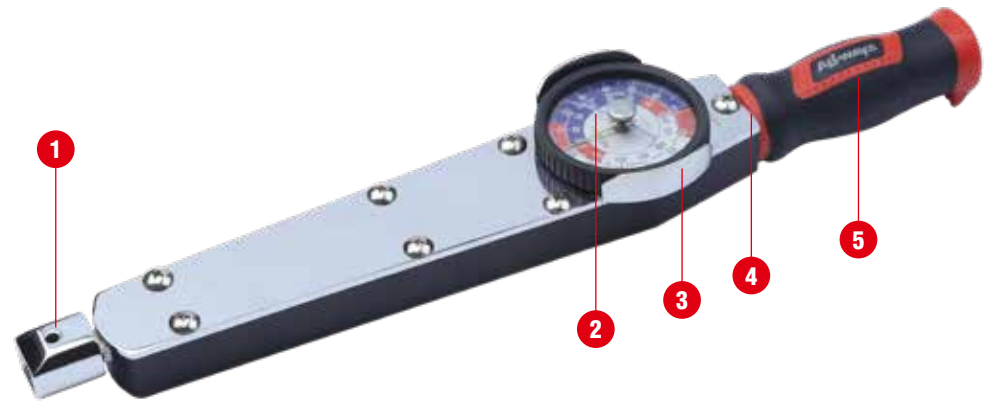
- 1 The torque value reached is shown by a integrated drag indicator on an easy readable scale.
- 2 The original imported German dial movement to ensure stable and accurate output.
- 3 Each piece stamping ID number for traceability.
- 4 TPR Handle: The injection method TPR handle with non-slip and comfort features.

- 1 大表盘指针设计更易于读取扭矩数值。
- 2 德国进口表盘机芯，确保稳定精度输出。
- 3 每一支产品拥有独立编号，方便追溯。
- 4 TPR注塑防滑手柄，握感舒适。

Code	□	N·m	L	Resolution	△△
60424001	1/4"	0-1.8	295	0.02	0.48
60424003	1/4"	0-3.5	295	0.05	0.49
60424006	1/4"	0-6	295	0.1	0.48
60424009	1/4"	0-9	295	0.1	0.48
60428012	3/8"	0-12	295	0.2	0.47
60428018	3/8"	0-18	295	0.2	0.49
60428024	3/8"	0-24	295	0.4	0.50
60428030	3/8"	0-30	295	0.4	0.50
60428035	3/8"	0-35	295	0.5	0.50
60428050	3/8"	0-50	295	1	0.48
60428070	3/8"	0-70	385	1	0.82
60422100	1/2"	0-100	514	1	1.22
60422140	1/2"	0-140	560	2	1.36
60422200	1/2"	0-200	1.35	3	1.36
60422240	1/2"	0-240	560	3	1.35
60422275	1/2"	0-275	560	5	1.35
60422350	1/2"	0-350	560	5	1.30

Dial Torque Wrench- Interchangeable
指针式扭矩扳手-可换式

+4%



- 1 Interchangeable Head: The quick released design for changing insert tools quickly.
- 2 The torque value reached is shown by a integrated drag indicator on an easy readable scale.
- 3 The original imported German dial movement to ensure stable and accurate output.
- 4 Each piece stamping ID number for traceability.
- 5 TPR Handle: The injection method TPR handle with non-slip and comfort features.

- 1 可换头设计：快脱设计方便快速替换可换插件。
- 2 大表盘指针设计更易于读取扭矩数值。
- 3 德国进口表盘机芯，确保稳定精度输出。
- 4 每一支产品拥有独立编号，方便追溯。
- 5 TPR注塑防滑手柄，握感舒适。

Code	□	N·m	L	Resolution	△△
60442009	9x12	0-9	319	0.1	0.57
60442012	9x12	0-12	319	0.2	0.58
60442018	9x12	0-18	319	0.2	0.57
60442024	9x12	0-24	319	0.4	0.57
60442030	9x12	0-30	319	0.4	0.58
60442035	9x12	0-35	319	0.5	0.58
60442050	9x12	0-50	319	0.5	0.59
60442070	9x12	0-70	409	1	0.96
60442100	9x12	0-100	538	1	1.31
60448140	14x18	0-140	600	2	1.48
60448240	14x18	0-240	600	3	1.35
60448350	14x18	0-350	600	5	1.59

Dial Torque Wrench
指针式扭矩扳手

+4%



- 1 The torque value reached is shown by a integrated drag indicator on an easy readable scale.
- 2 The original imported German dial movement to ensure stable and accurate output.
- 3 Each piece stamping ID number for traceability.
- 4 With 2 extension bars for operation.
- 5 With foam material inserts in durable aluminum case for better protection.

- 1 大表盘指针设计更易于读取扭矩数值。
- 2 德国进口表盘机芯，确保稳定精度输出。
- 3 每一支产品拥有独立编号，方便追溯。
- 4 可使用两端延长接杆用于使用。
- 5 配合内嵌泡沫材质及坚固耐用铝盒，更好的保护产品。

Code	□	N·m	L	△△
60414480	3/4"	0-480	710	4.03
60414800	3/4"	0-800	1185	4.62
60411100	1"	0-1000	1310	6.18
60411140	1"	0-1400	1900	13.60
60411200	1"	0-2000	2400	17.75
60411280	1"	0-2800	3100	19.30

Preset Torque Handle
定值扭矩螺丝柄

- In accordance with DIN EN ISO 6789, with a factory calibration certificate.
- Release accuracy tolerance $\pm 6\%$ of scale value.
- 符合DIN EN ISO 6789标准，随附工厂校验报告。
- 扭矩误差 $\pm 6\%$ 。



Code	Drive	N·m	L
60811017	□ 1/4"	2.0-17.0	125
60812017	□ 3/8"	2.0-17.0	125
60813017	● 1/4"	2.0-17.0	125
60814017	■ 1/4"	2.0-17.0	125

Preset Torque Screwdriver
定值扭矩螺丝批

- In accordance with DIN EN ISO 6789, with a factory calibration certificate.
- Release accuracy tolerance $\pm 6\%$ of scale value.
- 符合DIN EN ISO 6789标准，随附工厂校验报告。
- 扭矩误差 $\pm 6\%$ 。



Code	□	N·m
60510220	1/4"	0.2-2.0
60510440	1/4"	0.4-4.0

Preset Torque Screwdriver with T-Bar
T柄定值扭矩螺丝批

- In accordance with DIN EN ISO 6789, with a factory calibration certificate.
- Release accuracy tolerance $\pm 6\%$ of scale value.
- 符合DIN EN ISO 6789标准，随附工厂校验报告。
- 扭矩误差 $\pm 6\%$ 。



Code	□	N·m	L	T - bar
60531060	1/4"	1.0-6.0	185	160

Adjustable Torque Screwdriver
可调式扭矩螺丝批

- In accordance with DIN EN ISO 6789, with a factory calibration certificate.
- Release accuracy tolerance $\pm 6\%$ of scale value.
- 符合DIN EN ISO 6789标准，随附工厂校验报告。
- 扭矩误差 $\pm 6\%$ 。



Code	N·m	L
60520210	0.2-1.0	200
60520420	0.4-2.0	200
60521540	1.5-4.0	200

Dial Torque Screwdriver
指针式扭矩螺丝批

- In accordance with DIN EN ISO 6789, with a factory calibration certificate.
- Release accuracy tolerance $\pm 6\%$ of scale value.
- 符合DIN EN ISO 6789标准，随附工厂校验报告。
- 扭矩误差 $\pm 6\%$ 。



Code	CN·m	L
60540210	20-100	200
60540420	40-200	200
60540840	80-400	200




Rectangular Ratchet Head

方头棘轮插件

- Cr-V material, satin finished surface.
- Made from precision machining, durable use.
- Change heads easy, especially for applications in tight location.

- 材质为Cr-V合金钢，表面喷砂镀铬。
- 经精密加工而成，经久耐用。
- 换头方便，特别适用狭小空间中使用。



Code			B	S	
60941214	1/4"	9x12	25.0	21.0	73.0
60941238	3/8"	9x12	32.0	28.0	155.0
60941212	1/2"	9x12	32.0	28.0	170.0
60941812	1/2"	14x18	39.0	34.0	305.0
60941834	3/4"	14x18	41.0	25.0	338.0

★ More specifications, ask us about custom-orders! / 更多规格定制，请与我们联系！




Rectangular Adjustable Spanner

方头活扳手插件

- Cr-V material, satin finished surface.
- Made from precision machining, durable use.
- Change heads easy, especially for applications in tight location.

- 材质为Cr-V合金钢，表面喷砂镀铬。
- 经精密加工而成，经久耐用。
- 换头方便，特别适用狭小空间中使用。



Code	Size			
60932008	8	9x12	5-27	280.0
60932010	10	9x12	5-30	300.0
60938010	10	14x18	5-30	340.0
60938012	12	14x18	10-41	370.0

★ More specifications, ask us about custom-orders! / 更多规格定制，请与我们联系！



Rectangular Open End Fitting

方头开口插件

- Cr-V material, satin finished surface.
- Made from precision machining, durable use.
- Change heads easy, especially for applications in tight location.

- 材质为Cr-V合金钢，表面喷砂镀铬。
- 经精密加工而成，经久耐用。
- 换头方便，特别适用狭小空间中使用。



Code	size		B	S	
60912007	7	9x12	20.8	17.5	37.0
60912008	8	9x12	22.0	17.5	37.0
60912009	9	9x12	23.7	17.5	37.2
60912010	10	9x12	24.7	17.5	40.0
60912011	11	9x12	26.1	17.5	42.0
60912012	12	9x12	27.3	17.5	42.3
60912013	13	9x12	28.8	17.5	43.0
60912014	14	9x12	31.7	20.0	54.4
60912015	15	9x12	33.7	20.0	55.5
60912016	16	9x12	35.6	20.0	58.5
60912017	17	9x12	37.8	20.0	58.5
60912018	18	9x12	38.7	20.0	61.0
60912019	19	9x12	41.5	20.0	64.2
60912021	21	9x12	46.0	25.0	21.5
60912022	22	9x12	46.0	25.0	21.5
60912024	24	9x12	50.6	25.0	21.5
60912027	27	9x12	60.0	32.5	21.5
60912030	30	9x12	64.2	32.5	22.0
60912032	32	9x12	66.1	32.5	22.0
60912036	36	9x12	67.6	32.5	22.0
60918013	13	14x18	29.6	25.0	114.7
60918014	14	14x18	31.3	25.0	116.4
60918015	15	14x18	33.8	25.0	116.2
60918016	16	14x18	36.3	25.0	129.5
60918017	17	14x18	37.5	25.0	136.8
60918018	18	14x18	39.0	25.0	136.2
60918019	19	14x18	41.1	25.0	137.5
60918021	21	14x18	45.5	25.0	160.1
60918022	22	14x18	47.7	25.0	162.8
60918023	23	14x18	47.8	25.0	165.2
60918024	24	14x18	50.7	25.0	167.8
60918025	25	14x18	51.1	25.0	168.6
60918026	26	14x18	59.1	30.0	168.6
60918027	27	14x18	59.5	32.5	229.4
60918030	30	14x18	63.4	32.5	237.0
60918032	32	14x18	65.8	32.5	248.2
60918034	34	14x18	66.7	32.5	252.5
60918036	36	14x18	68.0	32.5	244.8
60918038	38	14x18	67.5	32.5	230.0
60918040	40	14x18	82.9	37.0	316.0
60918041	41	14x18	83.1	37.0	321.5
60918046	46	14x18	91.4	50.0	680.0
60918048	48	14x18	97.2	50.0	660.0
60918050	50	14x18	97.2	50.0	650.0
60918070	70	14x18	136.3	84.5	1750.0

★ More specifications, ask us about custom-orders! / 更多规格定制，请与我们联系！



Open End Fitting

圆孔开口插件

- Cr-V material, satin finished surface.
- Made from precision machining, durable use.
- Change heads easy, especially for applications in tight location.

- 材质为Cr-V合金钢，表面喷砂镀铬。
- 经精密加工而成，经久耐用。
- 换头方便，特别适用狭小空间中使用。



Code	size		B	S	
60951255	5.5	12	22	20.5	68
60951206	6	12	22	20.5	68
60951207	7	12	22	20.5	66
60951208	8	12	22	20.5	64
60951209	9	12	26	20.5	74
60951210	10	12	26	20.5	72
60951211	11	12	26	20.5	70
60951212	12	12	26	20.5	68
60951213	13	12	28	20.5	68
60951607	7	16	22	31.8	80
60951608	8	16	22	31.8	83
60951609	9	16	26	31.8	88
60951610	10	16	26	31.8	92
60951611	11	16	26	31.8	96
60951612	12	16	30	31.8	100
60951613	13	16	32	31.8	105
60951614	14	16	35	31.8	115
60951615	15	16	35	31.8	115
60951616	16	16	38	31.8	130
60951617	17	16	38	31.8	130
60951618	18	16	42	31.8	140
60951619	19	16	42	31.8	140
60951621	20	16	50	31.8	148
60951621	21	16	50	31.8	154
60951622	22	16	50	31.8	162
60951624	23	16	53	31.8	180
60951627	24	16	53	31.8	188
60951630	25	16	53	31.8	196
60951626	26	16	53	31.8	204
60951627	27	16	64	31.8	240
60951628	28	16	66	31.8	250
60951629	29	16	68	31.8	260
60951630	30	16	70	31.8	270
60958036	31	16	70	31.8	285
60951632	32	16	70	31.8	285
60952218	18	22	65	56	810
60952222	22	22	68	56	845
60952224	24	22	70	56	845
60952227	27	22	72	56	850
60952230	30	22	75	56	850
60952232	32	22	76	56	855
60952234	34	22	78	56	865
60952236	36	22	80	56	865
60952241	41	22	95	56	1050
60952246	46	22	100	56	1130
60952250	50	22	106	56	1280

★ More specifications, ask us about custom-orders! / 更多规格定制，请与我们联系！



Rectangular Flared End Fitting

方头梅花开口插件

- Cr-V material, satin finished surface.
- Made from precision machining, durable use.
- Change heads easy, especially for applications in tight location.

- 材质为Cr-V合金钢，表面喷砂镀铬。
- 经精密加工而成，经久耐用。
- 换头方便，特别适用狭小空间中使用。



Code	size		B	S	
60961206	6	9x12	22	17.5	60
60961207	7	9x12	22	17.5	60
60961208	8	9x12	22	17.5	63
60961209	9	9x12	22	17.5	63
60961210	10	9x12	22	17.5	63
60961211	11	9x12	22	17.5	62
60961212	12	9x12	24	17.5	61
60961213	13	9x12	25	17.5	63
60961214	14	9x12	27	17.5	62
60961215	15	9x12	28	17.5	69
60961216	16	9x12	30	17.5	69
60961217	17	9x12	31.5	17.5	68
60961813	13	14x18	25	25	135
60961814	14	14x18	27	25	140
60961815	15	14x18	29	25	145
60961816	16	14x18	30	25	145
60961817	17	14x18	31.5	25	145
60961818	18	14x18	33	25	150
60961819	19	14x18	34.5	25	150
60961821	20	14x18	35.5	25	155
60961821	21	14x18	35.5	25	155
60961822	22	14x18	38	25	155
60961823	23	14x18	38.5	25	155
60961824	24	14x18	40	25	155
60961825	25	14x18	41	25	155

★ More specifications, ask us about custom-orders! / 更多规格定制，请与我们联系！

Flared End Fitting

圆孔梅花开口插件

- Cr-V material, satin finished surface.
- Made from precision machining, durable use.
- Change heads easy, especially for applications in tight location.

- 材质为Cr-V合金钢，表面喷砂镀铬。
- 经精密加工而成，经久耐用。
- 换头方便，特别适用狭小空间中使用。



Code	size	mm	B	S	kg
60971206	6	12	17	20.5	76
60971207	7	12	17	20.5	74
60971208	8	12	17	20.5	72
60971209	9	12	18.5	20.5	72
60971210	10	12	20	20.5	72
60971211	11	12	21.5	20.5	72
60971212	12	12	23	20.5	72
60971607	7	16	16	31.8	85
60971608	8	16	18	31.8	88
60971609	9	16	20	31.8	92
60971610	10	16	22	31.8	97
60971611	11	16	22	31.8	102
60971612	12	16	24	31.8	107
60971613	13	16	25	31.8	112
60971614	14	16	27	31.8	118
60971615	15	16	29	31.8	125
60971616	16	16	30	31.8	130
60971617	17	16	31.5	31.8	137
60971618	18	16	33	31.8	143
60971619	19	16	34.5	31.8	150
60971621	20	16	35.5	31.8	170
60971621	21	16	35.5	31.8	170
60971622	22	16	37	31.8	170
60971624	23	16	38.5	31.8	170
60971627	24	16	40	31.8	170
60971630	25	16	41	31.8	170
60971626	26	16	42	31.8	170
60971627	27	16	44	31.8	170
60971628	28	16	48	31.8	170
60971629	29	16	48	31.8	170
60971630	30	16	48	31.8	170
60971631	31	16	51	31.8	170
60971632	32	16	51	31.8	170

★ More specifications, ask us about custom-orders! | 更多规格定制，请与我们联系！

Ring End Fitting

圆孔梅花插件

- Cr-V material, satin finished surface.
- Made from precision machining, durable use.
- Change heads easy, especially for applications in tight location.

- 材质为Cr-V合金钢，表面喷砂镀铬。
- 经精密加工而成，经久耐用。
- 换头方便，特别适用狭小空间中使用。



Code	size	mm	B	S	kg
60981206	6	12	13	20.5	67
60981207	7	12	13	20.5	65
60981208	8	12	13	20.5	63
60981209	9	12	14.5	20.5	63
60981210	10	12	16	20.5	63
60981211	11	12	17.5	20.5	63
60981212	12	12	19	20.5	63
60981607	7	16	13	31.8	73
60981608	8	16	14	31.8	74
60981609	9	16	16	31.8	78
60981610	10	16	16	31.8	82
60981611	11	16	18.5	31.8	87
60981612	12	16	21.5	31.8	93
60981613	13	16	21.5	31.8	100
60981614	14	16	23	31.8	105
60981615	15	16	24	31.8	111
60981616	16	16	26	31.8	118
60981617	17	16	27	31.8	125
60981618	18	16	28.5	31.8	132
60981619	19	16	30.5	31.8	140
60981620	20	16	33	31.8	150
60981621	21	16	33	31.8	155
60981622	22	16	34.5	31.8	155
60981623	23	16	36	31.8	155
60981624	24	16	37.5	31.8	160
60981625	25	16	40	31.8	165
60981626	26	16	41.5	31.8	175
60981627	27	16	41.5	31.8	175
60981628	28	16	45	31.8	185
60981629	29	16	45	31.8	185
60981630	30	16	45	31.8	185
60981631	31	16	47.5	31.8	185
60981632	32	16	47.5	31.8	185
60982222	22	22	62	56	900
60982224	24	22	65	56	1000
60982227	27	22	68	56	1050
60982230	30	22	72	56	1100
60982232	32	22	74	56	1100
60982234	34	22	76	56	1150
60982236	36	22	80	56	1150
60982241	41	22	80	56	1200
60982246	46	22	84	56	1250

★ More specifications, ask us about custom-orders! | 更多规格定制，请与我们联系！

Rectangular Ring End Fitting

方头插件

- Cr-V material, satin finished surface.
- Made from precision machining, durable use.
- Change heads easy, especially for applications in tight location.

- 材质为Cr-V合金钢，表面喷砂镀铬。
- 经精密加工而成，经久耐用。
- 换头方便，特别适用狭小空间中使用。



Code	size	mm	B	S	kg
60922007	7	9x12	20.0	17.5	37.4
60922008	8	9x12	20.0	17.5	37.0
60922010	10	9x12	20.0	17.5	39.5
60922011	11	9x12	20.4	17.5	42.0
60922012	12	9x12	22.3	17.5	51.1
60922013	13	9x12	22.3	17.5	51.3
60922014	14	9x12	23.5	17.5	52.9
60922015	15	9x12	24.6	17.5	53.5
60922016	16	9x12	26.5	17.5	56.2
60922017	17	9x12	27.5	17.5	55.3
60922018	18	9x12	28.8	17.5	60.0
60922019	19	9x12	31.2	17.5	53.4
60922021	21	9x12	33.2	17.5	58.2
60922022	22	9x12	35.2	17.5	70.6
60928013	13	14x18	30.0	25.0	129.6
60928014	14	14x18	30.0	25.0	132.1
60928015	15	14x18	30.0	25.0	132.1
60928016	16	14x18	30.0	25.0	137.0
60928017	17	14x18	30.0	25.0	141.0
60928018	18	14x18	30.0	25.0	132.5
60928019	19	14x18	31.3	25.0	144.6
60928021	21	14x18	33.7	25.0	151.5
60928022	22	14x18	35.4	25.0	153.5
60928024	24	14x18	37.8	25.0	161.9
60928027	27	14x18	41.6	31.0	204.9
60928030	30	14x18	45.1	31.0	204.1
60928032	32	14x18	47.7	31.0	213.8
60928034	34	14x18	51.0	31.0	225.5
60928036	36	14x18	53.5	31.0	230.0
60928041	41	14x18	59.7	31.0	222.0

★ More specifications, ask us about custom-orders! | 更多规格定制，请与我们联系！

36PCS Torque Wrench Set

36件套可换式扭力扳手组套



Code	200001
3/8" Sockets	14mm / 17mm / 19mm / 21mm
3/8" Extension Bar	125mm
3/8" Bit Socket	T10 / T20 / 30 / T40 / T45 / T50 H3 / H4 / H5 / H7 / H8 / H9 T20 / T30 / T45 / T47 / T50 M4 / M5 / M6 / M10 PZ1 / PZ2 / PZ3 PH1 / PH2 / PH3 SL4 / SL5.5 / SL6.5

15PCS Torque Wrench Set

15件套可换式扭力扳手组套



Code	200002
9x12 Adjustable Torque Wrench for Insert Tools with plastic grip	25-125N
9x12 Rectangular Ratchet Head	1/2"
9x12 Rectangular Open-End Fitting	7mm / 8mm / 9mm / 10mm 11mm / 12mm / 13mm 14mm / 15mm / 16mm 17mm / 18mm / 19mm

Torque Multipliers
扭矩倍增器



- Accuracy better than +/-6%.
- Sample: 5:1 torque multiplication, if applying 100Nm force to multiplier, torque output will be 500Nm.
- Supplied with two reaction bar styles for maximum versatility.
- Strong alloy steel construction means minimal maintenance and long life.
- When user select torque wrench, should pay more attention on multipliers square drive size.
- input square and output square end should not mixed, output square need use togethe.

- 精度优于+/-6%。
- 举例：扭矩倍增器倍率比为5:1，即若施力100Nm于倍增器，那倍增器的输出端力是500Nm。
- 附有两种反作用力臂，适合不同的场合操作。
- 坚固的合金钢结构，容易保养，使用寿命长。
- 用户在选择扭矩扳手时必须要注意倍增器四方孔的规格，四方孔为输入端，四方头为输出端，四方头需配套筒使用。

Code	Torque	Torque Ratio	Input Square	Output Square
60612000	2000	1:4	3/4"	1"
60612800	2800	1:5.5	3/4"	1"
60614000	4000	1:16	1/2"	1"
60616000	6000	1:16	3/4"	1-1/2"
60618000	8000	1:22	3/4"	1-1/2"

What is a torque multiplier
什么是扭矩倍增器

A torque multiplier is a device that increases the torque that can be applied by a user
扭矩倍增器是操作者只需施以较小的扭力而输出的扭矩会成倍增大的装置

Why use multipliers
为什么要使用扭矩倍增器

Safety –use of long levers can be dangerous. Torque multipliers mean a reduction in the lever length or operator effort by a factor of 5, 25 or 125
安全 - 使用延长杆会造成危险。使用扭矩倍增器可以借由放大倍率5、25或125来减少延长杆长度及使用者出力

Limited operating space – using longer extension bars in some workplaces will have space problem, may not be suitable for use
操作空间的限制 - 使用较长的延长杆在有些工作场合，因为空间的限制，可能不适于延长杆使用

Accuracy- torque will be applied most accurately when it is applied smoothly and slowly.Torque multipliers enable this by removing much of the physical effort from the tightening task
精确 - 使用扭矩倍增器操作会比较顺畅，平衡并且可获得更精确的扭力。在螺栓锁紧的过程中可以减少体力的支出





ESD TOOLS

防静电工具

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All the ESD tools manufactured according to DIN EN 61340-5/61345-5-2. Suitable for sensitive electronic components.

ALLWAYS ESD产品严格按照DIN EN 61340-5-1/61345-5-2标准生产。适用于灵敏电子部件应用。



The electric surface resistance of the ESD material is $10^6 - 10^9$ Ohm. This securely protects components against electrostatic energy and associated damage.

ALLWAYS ESD材料的表面电阻达 $10^6 - 10^9$ Ohm, 可以安全的保护组件免受静电能量和其他损伤。



Black chrome tip and a refined hardening process ensuring a long service life of the tips, improved corrosion protection and an exact fit.

黑铬头部处理, 提升了硬度与抗腐蚀保护, 确保了更持久的使用寿命。



ESD Slotted Screwdriver

双重防静电柄一字螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code	⌀	mm	mm	mm	mm
32515150	5.0	150	1.0	105x30	265
32515200	5.0	200	1.0	105x30	305
32516100	6.0	100	1.2	115x35	265
32516150	6.0	150	1.2	115x35	265
32518150	8.0	150	1.6	118x41	268



ESD Electronic Slotted Screwdriver

双重防静电柄一字平行头螺丝批



- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code	⌀	mm	mm	mm	mm
32523250	3.0	250	0.6	95x25	345
32525250	5.0	250	1.0	105x30	355
32525300	5.0	300	1.0	105x30	405
32526300	6.0	300	1.2	115x35	415
32526350	6.0	350	1.2	115x35	465



ESD Phillips Screwdriver

双重防静电柄十字平行头螺丝批



- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code	+	mm	mm	mm	mm
32561150	PH1	150	5.0	105x30	255
32561200	PH1	200	5.0	105x30	305
32562200	PH2	200	6.0	115x35	315
32562250	PH2	250	6.0	115x35	365
32563150	PH3	150	8.0	115x35	265



ESD Pozidriv Screwdriver

双重防静电柄米字螺丝批



- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code	+	mm	mm	mm	mm
32581075	PZ1	75	5.0	105x30	180
32582100	PZ1	100	6.0	115x35	215



ESD Tamper Torx® Screwdriver

双重防静电柄带孔花型螺丝批



- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code	⌀	mm	mm	mm	mm
32621075	TT10	75	3.0	95x30	170
32621510	TT15	100	4.0	105x30	205
32622010	TT20	100	4.0	105x30	205
32622510	TT25	100	5.0	105x30	205
32623012	TT30	125	6.0	115x35	240









ESD Precision Slotted Screwdriver

双重防静电柄一字精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code						
34511250	1.2	50	0.2	3.0	95x18	145
34511650	1.6	50	0.25	3.0	95x18	145
34511850	1.8	50	0.3	3.0	95x18	145
34512050	2.0	50	0.4	3.0	95x18	145
34512550	2.5	50	0.4	3.0	95x18	145
34513050	3.0	50	0.5	3.0	95x18	145
34513550	3.5	50	0.6	3.5	95x18	145
34514050	4.0	50	0.8	4.0	95x18	145
34513075	3.0	75	0.5	3.0	95x18	170
34514075	4.0	75	0.8	4.0	95x18	170








ESD Precision Phillips Screwdriver

双重防静电柄十字精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
34563050	PH000	50	3.0	95x18	145
34562050	PH00	50	3.0	95x18	145
34561050	PH0	50	3.0	95x18	145
34560150	PH1	50	3.0	95x18	145
34560175	PH1	75	3.0	95x18	170








ESD Precision Torx® Screwdriver

双重防静电柄花型精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
34600350	T3	50	3.0	95x18	145
34600450	T4	50	3.0	95x18	145
34600550	T5	50	3.0	95x18	145
34600650	T6	50	3.0	95x18	145








ESD Precision Pozidriv Screwdriver

双重防静电柄米字精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
34580050	PZ0	50	3.0	95x18	145
34580150	PZ1	50	3.0	95x18	145
34580175	PZ1	75	3.0	95x18	170








ESD Precision Tamper Torx® Screwdriver

双重防静电柄带孔花型精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
34620775	TT7	75	3.0	95x18	170
34620875	TT8	75	3.0	95x18	170
34620975	TT9	75	3.0	95x18	170
34621075	TT10	75	3.0	95x18	170








Ball Head HEX Precision Screwdriver

双重防静电柄球头六角精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
34661350	H1.3	50	3.0	95x18	145
34661550	H1.5	50	3.0	95x18	145
34662050	H2.0	50	3.0	95x18	145
34662550	H2.5	50	4.0	95x18	145
34663050	H3.0	50	4.0	95x18	145



ESD Precision Ceramic Slotted Screwdriver

双重防静电柄陶瓷头一字精密螺丝批

- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双注塑手柄设计。
- 配备防滑表面的旋转螺盖。



Made of high-strength zirconia ceramic engineering plastics, high insulation, no magnetic induction, accurate size, for the adjustment of precision electronic components.

采用高强度氧化锆陶瓷工程塑料制成，绝缘性高，无磁感应，尺寸精确，适合精密电子元器件调节使用。

Code						
34510409	0.9	12	0.4	3.0	110x18	122
34510412	1.2	12	0.4	3.0	110x18	122
34510414	1.4	12	0.4	3.0	110x18	122
34510418	1.8	12	0.4	3.0	110x18	122
34510420	2.0	12	0.4	3.0	110x18	122
34510424	2.4	12	0.4	3.0	110x18	122
34510724	2.4	12	0.7	3.5	110x18	122



ESD Precision Ceramic Phillips Screwdriver

双重防静电柄陶瓷头十字精密螺丝批

- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双注塑手柄设计。
- 配备防滑表面的旋转螺盖。

Code					
34560000	PH0	12	3.0	110x18	122
34561700	PH1.7	12	3.0	110x18	122



7PCS ESD Precision Screwdriver Set

7件双重防静电柄精密螺丝批组套



Code	350005 (7PCS)
	0.2x1.2x50mm (34511250) / 0.25x1.6x50mm (34511650) 0.4x2.0x50mm (34512050) / 0.4x2.5x50mm (34512550)
	PH00x50mm (34562050) / PH0x50mm (34561050) PH1x50mm (34560150)

ESD Dual Function Screwdriver Set

双重防静电柄双头螺丝批组套



Code	320002
	115X35mm
	PH0-0.8x4.0x140mm / PH1-1.0x5.0x140mm PH2-1.2x6.0x140mm
	PZ0-0.6x3.5x140mm / PZ1-PZ2x140mm / PZ3-PH3x140mm
	T6-T8x140mm / T7-T9x140mm / T10-T15x140mm T20-T25x140mm / T30-T40x140mm
	H2.0-H4.0x140mm / H2.5-H5.0x140mm / H3-H6x140mm



ESD BITS Set

双重防静电柄螺丝批头组套



Code	320001
	6.35X100mm
	4.0 / 5.5 / 6.5
	PH0 / PH1 / PH2
	T10 / T15
	H3.0 / H4.0 / H5.0

ESD Long Nose Pliers
双重防静电柄电子尖嘴钳



Code	L
30061115	115

ESD Diagonal Cutting Pliers
双重防静电柄电子斜嘴钳



Code	L
30081115	115

ESD Diagonal Cutting Plier with Safety Block Slice
双重防静电柄附安全挡片电子斜口钳



Code	L
30083115	115

ESD Bent Nose Pliers
双重防静电柄电子弯嘴钳



Code	L
30071115	115

ESD Strong Diagonal Cutting Pliers
双重防静电柄强力电子斜口钳



Code	L
30082115	115

ESD Tweezers (Sharp tip)
防静电精密针尖无齿镊子



Code	L
30011130	130

ESD Tweezers (Wide tip)
防静电精密宽头横齿镊子



Code	L
30014142	142

ESD Precision Carbon Fiber Tweezers (Sharp tip)
防静电碳纤维尖头镊子



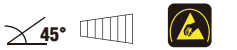
Code	L
30016130	130

ESD Precision Carbon Fiber Tweezers (Wide tip)
防静电碳纤维宽头镊子



Code	L
30017130	130

ESD Tweezers (Curved tip)
防静电精密弯尖横齿镊子



Code	L
30013150	150

ESD Tweezers (Round point)
防静电精密微尖横齿镊子



Code	L
30012150	150

ESD Precision Carbon Fiber Tweezers (Curved tip)
防静电碳纤维弯头镊子

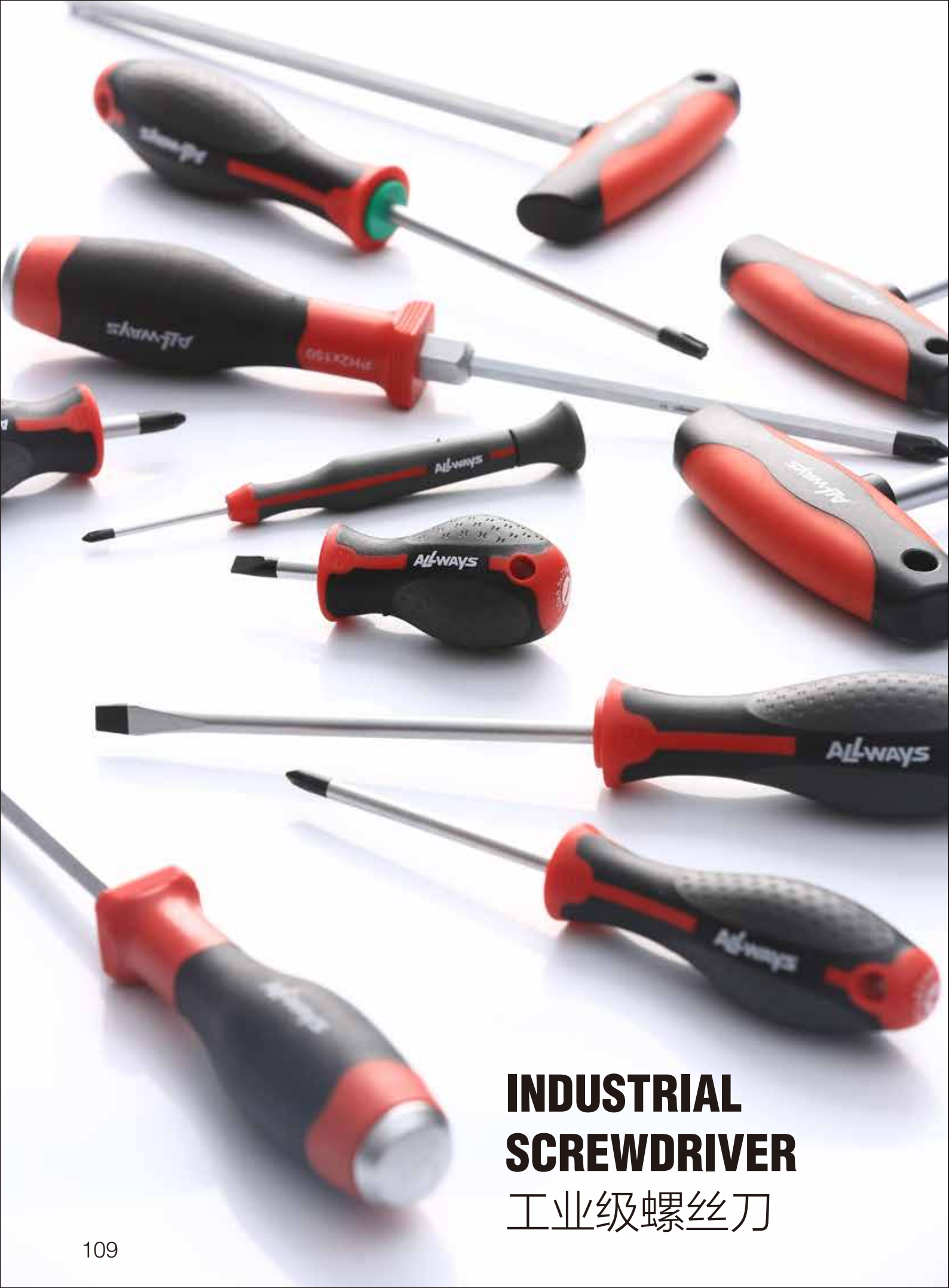


Code	L
30018130	130

ESD Precision Ceramic Tweezers
防静电陶瓷头镊子



Code	L
30019130	130



**INDUSTRIAL
SCREWDRIVER**
工业级螺丝刀

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121



4-Component Slotted Screwdriver 四色柄一字螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍铬表面处理的S2高级合金钢圆形刀杆。

Code	mm	mm	mm	mm	mm	mm
42515075	5.5	75	1.0	5.0	105x30	180
42515100 ★	5.5	100	1.0	5.0	105x30	205
42515125	5.5	125	1.0	5.0	105x30	230
42515150	5.5	150	1.0	5.0	105x30	255
42515200	5.5	200	1.0	5.0	105x30	305
42516100	6.5	100	1.2	6.0	115x35	215
42516125 ★	6.5	125	1.2	6.0	115x35	240
42516150	6.5	150	1.2	6.0	115x35	265
42516250	6.5	250	1.2	6.0	115x35	365
42518150	8.0	150	1.6	8.0	115x35	255
42518200	8.0	200	1.6	8.0	115x35	315
42518250	8.0	250	1.6	8.0	115x35	365

★ Certified by VPA Germany | 德国VPA认证



4-Component Extra Long Electrician Slotted Screwdriver 四色柄一字电讯平行头螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍铬表面处理的S2高级合金钢圆形刀杆。

Code	mm	mm	mm	mm	mm	mm
42522575 ★	2.5	75	0.4	95x25	195	
42523100	3.0	100	0.6	95x25	195	
42523575 ★	3.5	75	0.6	95x25	170	
42524100 ★	4.0	100	0.8	95x25	195	
42525150	5.0	150	1.0	105x30	255	
42525515 ★	5.5	150	1.0	105x30	255	
42526150	6.0	150	1.2	115x35	265	
42526515	6.5	150	1.2	115x35	265	

★ Certified by VPA Germany | 德国VPA认证



4-Componet Slotted Screwdriver, Stubby 四色柄一字螺丝批，短柄

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍铬表面处理的S2高级合金钢圆形刀杆。

Code	mm	mm	mm	mm	mm	mm
42515025 ★	5.5	25	1.0	58x35	83	
42516025 ★	6.5	25	1.2	58x35	83	

★ Certified by VPA Germany | 德国VPA认证








4-Component Phillips Screwdriver

四色柄十字螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code						
42560060	★	PH0	60	3.0	95x25	155
42560075		PH0	75	3.0	95x25	170
42560100		PH0	100	3.0	95x25	195
42561080	★	PH1	80	5.0	105x30	185
42561100		PH1	100	5.0	105x30	205
42561125		PH1	125	5.0	105x30	230
42561150		PH1	150	5.0	105x30	255
42562100	★	PH2	100	6.0	115x35	215
42562125		PH2	125	6.0	115x35	240
42562150		PH2	150	6.0	115x35	265
42563150		PH3	150	8.0	115x35	265
42563200		PH3	200	8.0	115x35	315
42564200		PH4	200	9.0	118x41	318






• Certified by VPA Germany / 德国VPA认证

4-Component Phillips Screwdriver, Stubby

四色柄十字螺丝批，短柄

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code						
42561025	★	PH1	25	5.0	58x25	83
42562025	★	PH2	25	6.0	58x35	83






• Certified by VPA Germany / 德国VPA认证

4-Component Pozidriv Screwdriver

四色柄米字螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code						
42580060	★	PZ0	60	3.0	95x25	155
42581080	★	PZ1	80	5.0	105x30	185
42581100		PZ1	100	5.0	105x30	205
42582100	★	PZ2	100	6.0	115x35	215
42582150		PZ2	150	6.0	115x35	265
42583150	★	PZ3	150	8.0	115x35	265
42583200		PZ3	200	8.0	115x35	315
42584200		PZ4	200	9.0	118x41	318

• Certified by VPA Germany / 德国VPA认证








4-Component Pozidriv Screwdriver, Stubby

四色柄米字螺丝批，短柄

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code						
42581025	★	PZ1	25	5.0	58x25	83
42582025	★	PZ2	25	6.0	58x35	83






• Certified by VPA Germany / 德国VPA认证

4-Component Torx® Screwdriver

四色柄花型螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code						
45600560	★	T5	60	2.5	95x25	155
45600675		T6	75	2.5	95x25	170
45600775		T7	75	2.5	95x25	170
45600875		T8	75	2.5	95x25	170
45600975		T9	75	3.0	95x25	170
45601080	★	T10	80	3.0	95x25	175
45601510		T15	100	4.0	95x25	195
45602010	★	T20	100	4.0	95x25	195
45602510	★	T25	100	5.0	105x30	205
45602711	★	T27	115	5.5	105x30	220
45603011	★	T30	115	6.0	115x35	230
45604015		T40	150	8.0	115x35	265
45604515		T45	150	8.0	115x35	265






• Certified by VPA Germany / 德国VPA认证

4-Component Tamper Torx® Screwdriver

四色柄带孔花型螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code						
45620575		TT5	75	2.5	95x25	170
45620675		TT6	75	2.5	95x25	170
45620775		TT7	75	2.5	95x25	170
45620875		TT8	75	2.5	95x25	170
45620975		TT9	75	3.0	95x25	170
45621080	★	TT10	80	3.0	95x25	175
45621580	★	TT15	80	4.0	95x25	175
45622010	★	TT20	100	4.0	95x25	195
45622510	★	TT25	100	5.0	105x30	205
45622711	★	TT27	115	5.5	105x30	220
45623011	★	TT30	115	6.0	115x35	230
45624015		TT40	150	8.0	115x35	265
45624515		TT45	150	8.0	115x35	265

• Certified by VPA Germany / 德国VPA认证



TORX® tools with a borehole prevent the unauthorised unfastening of safety screws. The screws contain a pin that protrudes into the drive profile so that "normal" TORX tools can not be used.






花型带孔螺丝批可防止未经授权的螺钉松开行为。这种螺钉包含一个特殊的销钉，普通的花型螺丝批无法正常使用。

4-Component HEX Screwdriver

四色柄平头六角螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镀铬镍铬表面处理的S2高级合金钢圆形刀杆。

Code					
45651575	H1.5	75	S1.5	95x25	170
45652075	H2.0	75	S2.0	95x25	170
45652575	H2.5	75	S2.5	95x25	170
45653075	H3.0	75	S3.0	95x25	170
45654075	H4.0	75	S4.0	105x30	180
45655100	H5.0	100	S5.0	105x30	205
45656150	H6.0	150	S6.0	115x35	265
45658175	H8.0	175	S8.0	118x41	293








S²_{steel}

4-Component Ball Head HEX Screwdriver

四色柄球头六角螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镀铬镍铬表面处理的S2高级合金钢圆形刀杆。

Code					
45661575	H1.5	75	S1.5	95x25	170
45662075	H2.0	75	S2.0	95x25	170
45662575	H2.5	75	S2.5	95x25	170
45663075	H3.0	75	S3.0	95x25	170
45664075	H4.0	75	S4.0	105x30	180
45665100	H5.0	100	S5.0	105x30	205
45666150	H6.0	150	S6.0	115x35	265
45668175	H8.0	175	S8.0	118x41	293








S²_{steel}

4-Component Tri-angel Screwdriver

四色柄三角特种螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镀铬镍铬表面处理的S2高级合金钢圆形刀杆。

Code					
45701075	1	75	3.5	95x25	170
45702075	2	75	4.0	95x25	170
45703075	3	75	4.0	95x25	170
45704075	4	100	6.0	115x35	215



The TRI-WING screwdriving system is mainly found in aviation and household technology. The asymmetric arrangement of the three profile flanks prevents the use of anything other than the original tools. The high-precision profile design ensures a secure fit of the tool in the head of the screw.






TRI-WING螺丝驱动系统主要应用于航空和家用技术。三个轮廓侧翼的不对称排列可防止使用除原始工具以外的其他任何工具。高精度型材设计确保了工具在螺钉头部的牢固配合。

4-Component Torq-Set Screwdriver

四色柄偏心十字特种螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镀铬镍铬表面处理的S2高级合金钢圆形刀杆。

Code					
45694075	4	75	3.0	95x25	170
45696075	6	75	4.0	95x25	170
45698100	8	100	6.0	115x35	215
45691010	10	100	6.0	115x35	215








S²_{steel}

4-Component NUT Screwdriver

四色柄带孔螺帽螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。

Code					
45854012	4.0	125	7.2	31	115x35
45855012	5.0	125	7.2	31	115x35
45855512	5.5	125	7.2	31	115x35
45856012	6.0	125	7.2	31	115x35
45857012	7.0	125	7.2	31	115x35
45858012	8.0	125	7.2	31	115x35
45859012	9.0	125	7.2	31	115x35
45851012	10.0	125	7.2	31	115x35
45851112	11.0	125	8.1	31	118x41
45851212	12.0	125	8.1	31	118x41
45851312	13.0	125	8.1	31	118x41
45851412	14.0	125	8.1	31	118x41








4-Component U-Shape Screwdriver

四色柄U型特种螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镀铬镍铬表面处理的S2高级合金钢圆形刀杆。

Code					
45754075	4	75	3.0	95x25	170
45756100	6	100	4.0	105x30	205
45758100	8	100	5.0	115x35	215
45751015	10	150	6.0	115x35	265








S²_{steel}

4-Component Multi-Spline Screwdriver

四色柄十二角特种螺丝批

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code					
45744075	M4	75	4.0	95x25	170
45745100	M5	100	5.0	105x30	205
45746100	M6	100	6.5	105x30	205
45748150	M8	150	8.0	115x35	265








S² steel

4-Component Pryamid Screwdriver

四色柄圆形锥子

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code					
45786100		100	6.0	115x35	215




S² steel

4-Component Cone Screwdriver

四色柄菱形锥子

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code					
45776100		100	S6.35	115x35	215







S² steel

4-Component BITS Bar

四色柄螺丝批头接杆

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。

Code					
45836100		100	6.8	115x35	215








S² steel

T-Handle Torx® Screwdriver

T型花型螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code					
40896100	T6	3	118	80x26x18	
40897100	T7	3	118	80x26x18	
40898100	T8	3	118	80x26x18	
40899100	T9	3	118	80x26x18	
40891010	T10	3	118	80x26x18	
40891510	T15	4	118	80x26x18	
40892015	T20	4	168	80x26x18	
40892515	T25	5	168	100x32x21	
40892715	T27	5.5	173	100x32x21	
40893015	T30	6	173	100x32x21	
40894015	T40	8	173	100x32x21	
40894515	T45	8	173	100x32x21	
40895015	T50	9	178	115x38x24	








S² steel

T-Handle Ballhead Screwdriver

T型球头内六角螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code					
40212100	2.0	2.0	118	80x26x18	
40212510	2.5	2.5	118	80x26x18	
40213100	3.0	3.0	118	80x26x18	
40214150	4.0	4.0	168	80x26x18	
40215150	5.0	5.0	173	100x32x21	
40216150	6.0	6.0	173	100x32x21	
40218200	8.0	8.0	223	100x32x21	
40211020	10.0	10	228	115x38x24	








S² steel

T-Handle Nut Screwdriver

T型常规套筒螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code					
40224130	4.0	7.1	25	130	100x32x21
40225130	5.0	7.1	25	130	100x32x21
40225513	5.5	7.1	25	130	100x32x21
40226130	6.0	7.1	25	130	100x32x21
40227130	7.0	7.1	25	130	100x32x21
40228130	8.0	7.1	25	130	100x32x21
40229130	9.0	7.1	25	130	100x32x21
40221013	10.0	7.1	25	130	100x32x21
40221113	11.0	8.1	25	130	100x32x21
40221213	12.0	8.1	25	130	100x32x21
40221313	13.0	8.1	25	130	100x32x21
40221413	14.0	8.1	25	130	100x32x21









S² steel

Slotted Screwdriver with HEX Bolster and Striking Cap
一字加力可敲击螺丝批

- Hexagon blade with additional hexagon bolster.
- 2-Component ergonomic handles with striking cap.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment blade.






- 六角刀杆配备加力套。
- 配有可敲击尾帽的双注塑手柄。
- 经过镍镍铬表面处理的S2高级合金钢刀杆。

Code						
42545100	5.5	100	1.0	S5	117x36	217
42545150	5.5	150	1.0	S5	117x36	267
42546100	7.0	100	1.2	S6.35	117x36	217
42546150	7.0	150	1.2	S6.35	117x36	267
42548150	8.5	150	1.6	S8	117x36	267
42548200	8.5	200	1.6	S8	117x36	317
42548250	8.5	250	1.6	S8	117x36	367

Phillips Screwdriver with HEX Bolster and Striking Cap
一字加力可敲击螺丝批

- Hexagon blade with additional hexagon bolster.
- 2-Component ergonomic handles with striking cap.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment blade.

- 六角刀杆配备加力套。
- 配有可敲击尾帽的双注塑手柄。
- 经过镍镍铬表面处理的S2高级合金钢刀杆。






Code					
42571100	PH1	100	S5	117x36	217
42571150	PH1	150	S5	117x36	267
42572100	PH2	100	S6.35	117x36	217
42572125	PH2	125	S6.35	117x36	242
42572150	PH2	150	S6.35	117x36	267
42573150	PH3	150	S8	117x36	267
42573200	PH3	200	S8	117x36	317
42573250	PH3	250	S8	117x36	367



Pozidriv Screwdriver with HEX Bolster and Striking Cap
米字加力可敲击螺丝批

- Hexagon blade with additional hexagon bolster.
- 2-Component ergonomic handles with striking cap.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment blade.






- 六角刀杆配备加力套。
- 配有可敲击尾帽的双注塑手柄。
- 经过镍镍铬表面处理的S2高级合金钢刀杆。

Code					
42591100	PZ1	100	S5	117x36	217
42592100	PZ2	100	S6.35	117x36	217
42592150	PZ2	150	S6.35	117x36	267
42593200	PZ3	200	S8	117x36	317

Torx® Screwdriver with HEX Bolster and Striking Cap
花型加力可敲击螺丝批

- Hexagon blade with additional hexagon bolster.
- 2-Component ergonomic handles with striking cap.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment blade.

- 六角刀杆配备加力套。
- 配有可敲击尾帽的双注塑手柄。
- 经过镍镍铬表面处理的S2高级合金钢刀杆。

Code					
42612515	T25	150	S5	117x36	267
42612715	T27	150	S5	117x36	267
42613015	T30	150	S6.35	117x36	267
42614020	T40	200	S8	117x36	317









Bending Moment Test
严格执行产品抗弯测试

Slotted Precision Screwdriver

双色柄一字精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code						
46511050	1.0	50	0.18	2.0	95x18	145
46511450	1.4	50	0.25	2.0	95x18	145
46511650	1.6	50	0.25	2.0	95x18	145
46511850	1.8	50	0.3	2.0	95x18	145
46512050	2.0	50	0.4	2.0	95x18	145
46512550	2.5	50	0.4	2.5	95x18	145
46513050	3.0	50	0.5	3.0	95x18	145
46513550	3.5	50	0.6	3.5	95x18	145
46514050	4.0	50	0.8	4.0	95x18	145
46512080	2.0	80	0.4	2.0	95x18	175
46512580	2.5	80	0.4	2.5	95x18	175
46513080	3.0	80	0.5	3.0	95x18	175









S2 Steel

Phillips Precision Screwdriver

双色柄十字精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code						
46563050	PH000	50	2.0	95x18	145	
46562050	PH00	50	2.5	95x18	145	
46560050	PH0	50	3.0	95x18	145	
46561050	PH1	50	3.0	95x18	145	
46560080	PH0	80	3.0	95x18	175	
46561080	PH1	80	3.0	95x18	175	









S2 Steel

Pozidriv Precision Screwdriver

双色柄米字精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code						
46580050	PZ0	50	3.0	95x18	145	
46581050	PZ1	50	3.0	95x18	145	








S2 Steel

Torx® Precision Screwdriver

双色柄花型精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
46600350	T3	50	2.0	95x18	145
46600450	T4	50	2.0	95x18	145
46600550	T5	50	2.5	95x18	145
46600650	T6	50	2.5	95x18	145
46600750	T7	50	2.5	95x18	145
46600850	T8	50	2.5	95x18	145
46600950	T9	50	3.0	95x18	145
46601050	T10	50	3.0	95x18	145
46601550	T15	50	4.0	95x18	145
46602050	T20	50	4.0	95x18	145
46601550	T15	50	4.0	95x18	145
46602050	T20	50	4.0	95x18	145








S2 Steel

Tamper Torx® Precision Screwdriver

双色柄带孔花型精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
46620550	TT5	50	2.5	95x18	145
46620650	TT6	50	2.5	95x18	145
46620750	TT7	50	3.0	95x18	145
46620850	TT8	50	3.0	95x18	145
46620950	TT9	50	3.0	95x18	145
46621550	TT15	50	4.0	95x18	145
46622050	TT20	50	4.0	95x18	145
46621050	TT10	50	3.0	95x18	145
46621550	TT15	50	4.0	95x18	145
46622050	TT20	50	4.0	95x18	145








S2 Steel

HEX Precision Screwdriver
双色柄平头六角精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.






- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
46650750	H0.7	50	3.0	95x18	145
46650950	H0.9	50	3.0	95x18	145
46651350	H1.3	50	3.0	95x18	145
46651550	H1.5	50	3.0	95x18	145
46652050	H2.0	50	3.0	95x18	145
46652550	H2.5	50	4.0	95x18	145
46653050	H3.0	50	4.0	95x18	145

Ball Head HEX Precision Screwdriver
双色柄球头六角精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.









- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
46661350	H1.3	50	3.0	95x18	145
46661550	H1.5	50	3.0	95x18	145
46662050	H2.0	50	3.0	95x18	145
46662550	H2.5	50	3.0	95x18	145
46663050	H3.0	50	4.0	95x18	145

Special Precision Screwdriver
双色柄特种精密螺丝批

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.
- Pivoting end cap with micro anti-slip surface.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。
- 配备防滑表面的旋转螺盖。

Code					
46703050		50	3.0	95x18	145
46723050		50	3.0	95x18	145
46753050		50	4.0	95x18	145

S²_{steel}



S²_{steel}





S²_{steel}



6 IN 1 Precision Screwdriver Set
6合1双色柄多用精密螺丝批组套

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment hexagon blade.
- Interchangeable blades for a convenient wide range of applications.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢六角形刀杆。
- 可换式刀杆方便各种应用需求。

Code	460001
 	2.0-PH00x110 / 3.0-PH0x110 / 4.0-PH1x110







S²_{steel}



12 IN 1 Precision Screwdriver Set
12合1双色柄多用精密螺丝批组套

- 2-Component-handle in ergonomic design.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment hexagon blade.
- Interchangeable blades for a convenient wide range of applications.

- 符合人体工程学双色注塑手柄设计。
- 经过镍镀铬表面处理的S2高级合金钢六角形刀杆。
- 可换式刀杆方便各种应用需求。

Code	460002
 	1.5-PH00x110 / 2.5-PH0x110 / 4.0-PH1x110
 	2.0-T4x110 / 1.5-T7x110
 	T6-T8x110 / T5-T10x110



S²_{steel}



8PCS Screwdriver Set
8件套四色柄常用螺丝批组套

- Unique 4-Component Ergonomic handle ensures 30% extra tightening power.
- S2 Alloy Steel with Ni-Ni-Cr surface treatment round blade.

- 符合人体工程学的独特4次注塑4色手柄，增加30%紧固力。
- 经过镍镀铬表面处理的S2高级合金钢圆形刀杆。

Code	450001
	0.6x3.0x75 / 1.0x5.0x100 / 1.2x6.0x150 / 1.2x6.5x25
	PH0x75 / PH1x100 / PH2x150 / PH2x25

S²_{steel}



