



洛阳金鹭硬质合金工具有限公司

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股票代码 厦门钨业 600549
STOCK CODE OF XTC 600549



工程工具产品册 CONSTRUCTION TOOLS BROCHURES

工程施工，首选金鹭，让您省心省钱

XTC—— your faithful partner that provides money-saving,
worry-saving and time-saving services on construction projects.



洛阳金鹭硬质合金工具有限公司
Luoyang Golden Egret Geotools Co.,Ltd.



厦门钨业 XTC

厦门钨业是在上海证券交易所上市的集团型股份公司，中国上市公司500强、国家重点高新技术企业、国家火炬计划钨材料产业基地、国家首批发展循环经济示范企业。

厦门钨业主要从事钨精矿、钨钼中间制品、粉末产品、丝材板材、硬质合金、切削工具等各种钨系列产品；稀土氧化物、稀土金属、稀土发光材料、磁性材料和稀土贮氢、系列锂电池材料等各种稀土材料和能源新材料的生产、销售与研发。公司拥有从钨钼矿山→冶炼→深加工→钨钼二次资源回收的完整的钨产业链，以及稀土矿山开发、冶炼加工、稀土新材料、科研应用等完整的稀土产业体系。依托厦钨设有“国家钨材料工程技术研究中心”和“能源新材料研究中心”。

厦钨以“让员工实现自我价值，使用户得到满意服务，为股东取得丰厚回报，与社会共谋和谐发展”为宗旨，将继续发展资金、技术、设备和人才等优势，持续创新，占领技术制高点，为打造最具竞争力的国际性一流公司而不懈奋斗。

Xiamen tungsten Co., Ltd.(XTC) is a group company that listed on Shanghai Stock Exchange, and it is one of top 500 listed companies of China, key Hi-Tech enterprise of China, Tungsten Material Industrial Base of National Torch Program, and the first batch of national model enterprise in developing circular economy.

XTC specializes in producing, selling and doing R & D in various of tungsten series including tungsten concentrate, semi product of tungsten molybdenum, powder product, wire plate, cemented carbide and cutting tools etc.; various of rare earth material and new energy material including rare earth oxide, rare earth metal, rare earth luminescent materials, magnetic materials and lithium battery materials. XTC has a complete tungsten industrial chain from own tungsten molybdenum mine, melting, deep processing end up to secondary resources recovery of tungsten molybdenum, and it also equipped with a complete rare earth industrial system which including development of rare earth mining, smelting processing, new rare earth material and scientific application. Depend on “China National R&D Centre for Tungsten Technology” and “New Energy& New Material Research Centre”.

XTC is being developed with the purpose to “achieving self-value by employees, satisfying customers by service, cheering up stockholders by profit, building up harmony society by enterprise development”, managing to be the most competitive international enterprise with sustainable innovation, sufficient capital, advanced equipment, and talented employees.

洛阳金鹭

XTC LUOYANG PLANT

洛阳金鹭硬质合金工具有限公司，成立于2012年，是国有上市公司厦门钨业股份有限公司100%投资的“金鹭”系硬质合金骨干企业。公司注册资金10.5亿元人民币，一期投资13亿元人民币。主要从事钨粉、碳化钨粉、硬面材料、硬质合金顶锤、硬质合金辊环、复合片基体、工程工具及矿山工具等钨系列产品的生产与销售。

洛阳金鹭工程工具是“金鹭”硬质合金的延伸产品，是“金鹭”牌钨产品链的最后一环。洛阳金鹭在三十多年钨冶炼及二十多年硬质合金技术积累的基础上，采用抗冲击、耐磨损的矿用合金齿，结合优质精锻钢体，经由高精度、高效率、全自动生产线加工装配，打造了具有“三高一长”、品质一流的“金鹭”工程工具产品。

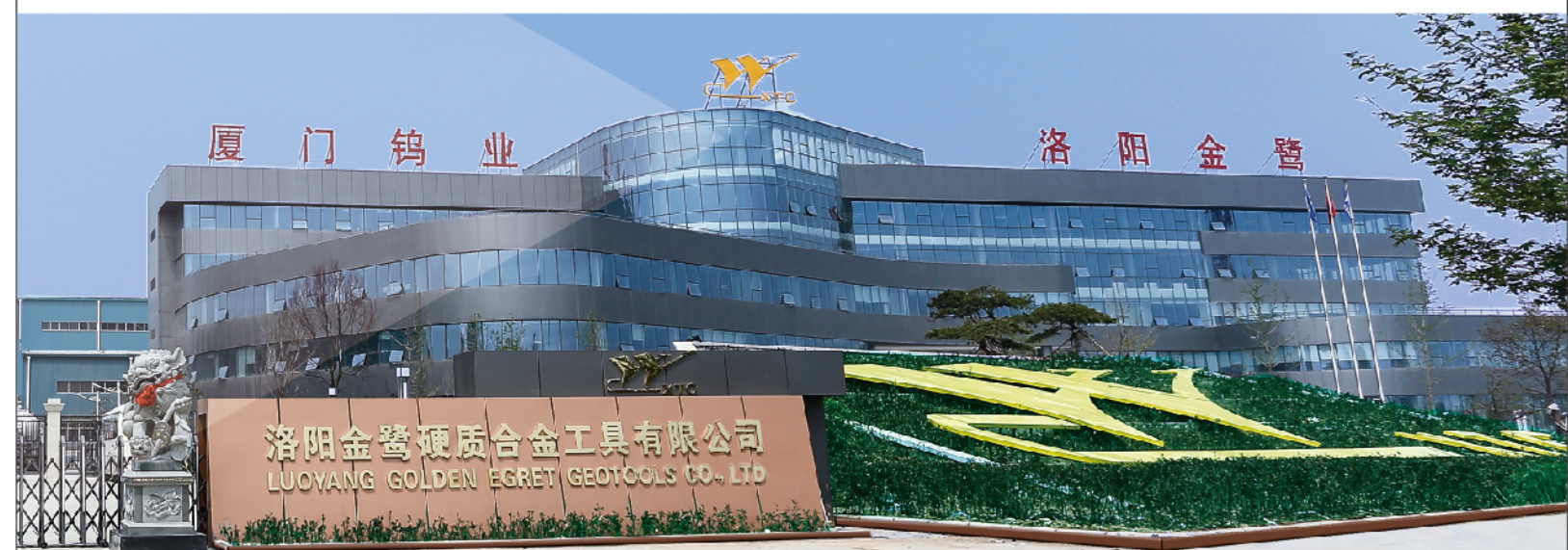
我们的服务团队将为您提供优质、全面、贴心和省心的服务，高级应用工程师现场分析、定制化产品设计、专家研发团队。满足您不同的施工需求，为您解决后顾之忧，同时保证您的工程如期竣工。



LUOYANG GOLDEN EGRET GEOTOOLS CO., LTD. founded in 2012, is wholly-owned by the listed company XIAMEN TUNGSTEN CO., LTD (XTC). As a backbone cemented carbide enterprise of XTC with registered capital of 1.05 billion RMB and first investment of 1 billion RMB, XTC luoyang plant specializes in producing high quality tungsten powder, tungsten carbide powder, hard facing materials, carbide anvils, carbide roll rings, carbide substrates for PDC bit, mining drill bits and construction tools.

XTC CONSTRUCTION TOOLS are the extension products of XTC carbide, which is the last series of XTC tungsten product chain. Based on the technology accumulation at more than 30 years of tungsten smelting and more than 20 years of carbide manufacture, we concentrate on making the construction tool products with high impact resistance, high abrasive resistance, high efficiency & long lasting working life. Our products are made from the most impact resistance and wear resistance of carbide teeth, high precision steel forging. The machining and assembly process are completed by high-precision and high-efficiency automatic production line. XTC luoyang plant is a strong supporter for you to pursuit first-class quality on construction tools.

Our senior application engineer team will provide you with money-saving, worry-saving and time-saving services on construction projects. Our team can provide you customized design according to your construction condition and requirement.



产业链

INDUSTRIAL CHAIN

厦钨集团拥有从矿石开采到硬质合金深加工产品的一体化钨产业链：

- ★ 从钨源上控制原材料，保证原料供应及成品品质的稳定；
- ★ 有效整合资源、降低生产成本、维持价格稳定、增强下游行业的竞争力；
- ★ 厦钨掌控全球约30%高品位钨资源，年产超3万吨钨冶炼产品，为世界最大的钨品生产和供应基地。



XTC has an integrated industrial chain from ore to deep processing on cemented carbide:

- ★ We can ensure adequate raw materials and stable product quality from controlling the very beginning raw materials.
- ★ Our price can be kept stable and enhance competitiveness for the downstream industry by effectively integrating resources and lowering the cost.
- ★ XTC is the biggest tungsten production and supply base. It controls almost 30% high grade of tungsten resource in the world and produces more than 30,000tons tungsten products annually.

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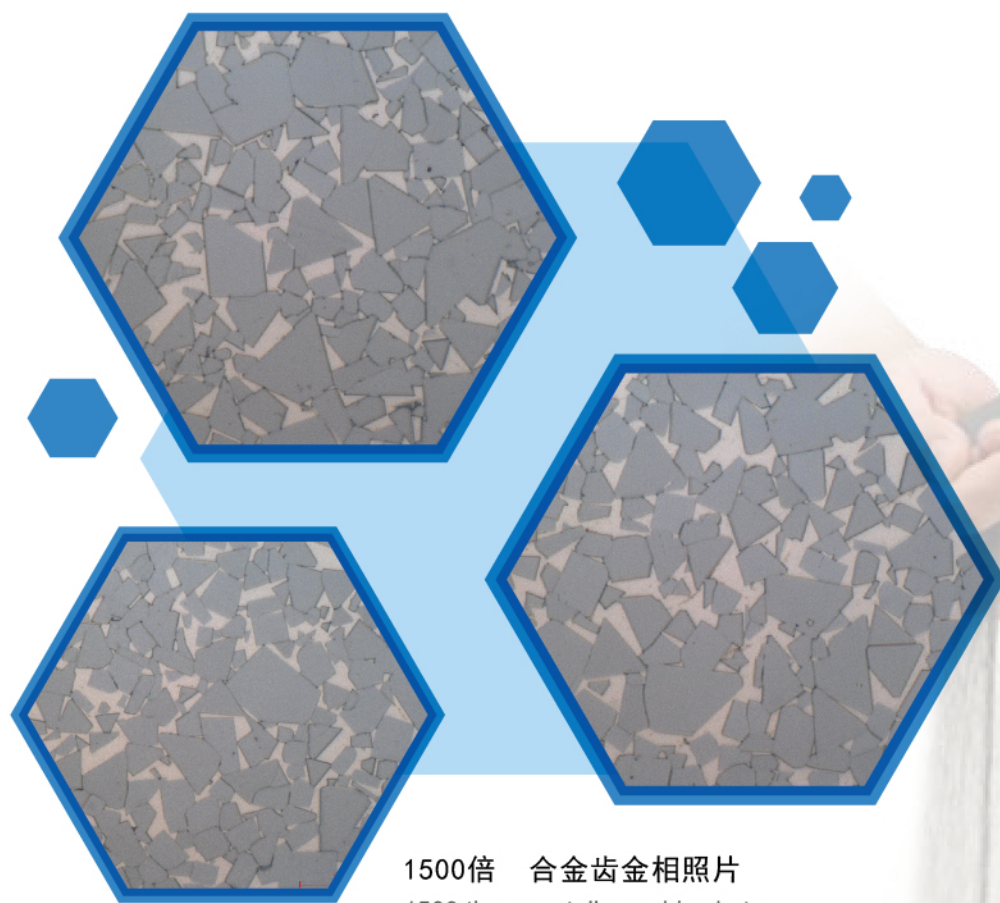


硬质合金介绍

CEMENTED CARBIDE

金鹭经过多年对粉末冶金技术的深入研究，钨粉末制造处于国际先进水平。自主生产的钨粉、碳化钨粉，颗粒均匀性好，单晶强度、硬度高。金鹭生产的硬质合金采用一流的自动化还原和碳化设备，同时采用先进的高温还原、高温碳化工艺，以金鹭高品质的钨粉、碳化钨粉作为原料，结合先进的生产制造设备和工艺，制造硬质合金产品。

Through so many years' intensive study on powder metallurgy technology, XTC has mastered every process of burdening, mixing, molding, sintering and machining for cemented carbide production. XTC provides all kinds of high quality powder with excellent performance, such as high purity, concentrated particle size distribution, perfect grain, and stable quality. Our factory uses advanced technology and state-of-the-art equipment including high precision automatic presses, and ALD Sinter-HIP furnaces. XTC has got to an international advanced level in cemented carbide.



1500倍 合金齿金相照片
1500 times metallographic photo

硬质合金齿

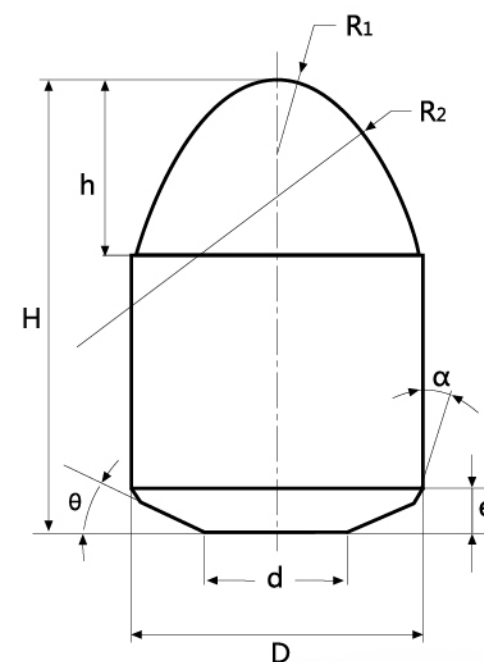
CEMENTED CARBIDE BUTTONS

弹形合金齿 PARABOLIC BUTTONS

用于镶制潜孔钻头及牙轮钻头,适用于中硬岩。

The Parabolic buttons is used in medium-hard rock formations on both roller cone and DTH bits.

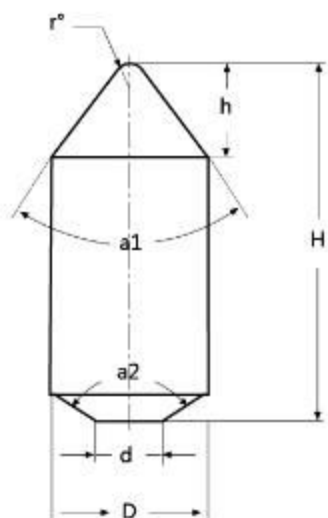
Please see the following figures for detailed shapes and dimensions.



▶▶ 柱状路面铣刨合金齿 COLUMNAR BUTTONS FOR ROAD MILLING

适用于水泥路面铣刨，锥状铣刨齿形状以及各种型号、基本尺寸见下图。

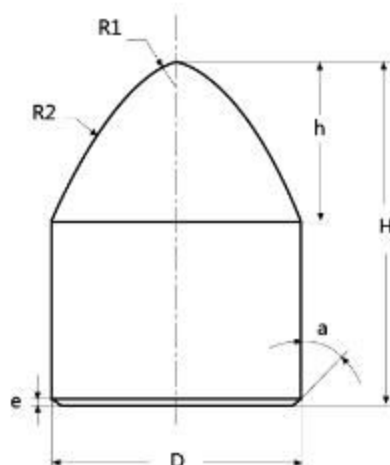
The Columnar Buttons is used for cement concrete pavement repairing.
Please see the following figures for detailed shapes and dimensions.



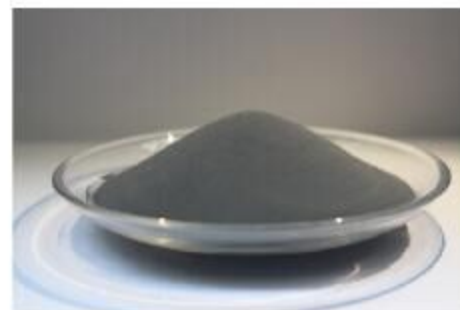
▶▶ 旋挖合金齿 BUTTONS FOR ROTARY DRILLING

适用于各类工程、建筑掘进，旋挖齿形状以及各种型号、基本尺寸见下图。

The Rotary drilling buttons is used for construction projects, pile foundation and tunneling.
Please see the following figures for detailed shapes and dimensions.



▶▶ 专利裤体保护技术 PATENT ON BODY PROTECTION TECHNIQUE



高性能耐磨喷涂粉
High performance wear-resistant powder



实物展示
Physical display



硬质合金耐磨环
Cemented carbide wear ring



实物展示
Physical display

旋挖齿

ROTARY DRILLING PICKS

产品系列 Product Series	产品名称 Product Name	合金规格 Button size	涂层类型 Coating type	适用工况 Application
3050 系列 3050 Series	TY3050-M17	D17	-	颗粒状土壤、粘土 Granular soil, clay
	TY3050-Z22D8	D22	-	岩层硬度在40MPa左右的岩层 Rock stratum with hardness around 40MPa
	JC3050-Z19B3	D19	B3	松软、强风化岩石 Soft and highly-weathered rock
	JC3050L-Z19B3	D19	B3	松软、强风化岩石 Soft and highly-weathered rock
	JL3050-Z17B3	D17	B3	小卵石层 Small pebbles bed
	HT3050-Z19C1	D19	C1	松软、强风化岩石 Soft and highly-weathered rock
	NEW XF3050-Z19	D19	-	岩层硬度在40MPa左右的岩层 Rock stratum with hardness around 40MPa
	NEW XF3050-Z22	D22	-	岩层硬度在40MPa左右的岩层 Rock stratum with hardness around 40MPa
3055 系列 3055 Series	TY3055-Z22B3	D22	B3	岩层硬度在60MPa左右的岩层 Rock stratum with hardness around 60MPa
	TY3055-S30	D30	-	岩层硬度在80MPa至100MPa的岩层 Rock stratum with hardness from 80MPa to 100MPa
	JC3055-Z19B3	D19	B3	岩层硬度在40MPa左右的岩层 Rock stratum with hardness around 40MPa
	JC3055-Z22B3	D22	B3	岩层硬度在60MPa左右的岩层 Rock stratum with hardness around 60MPa
	JC3055-S25B3	D25	B3	岩层硬度在80MPa左右的岩层 Rock stratum with hardness around 80MPa
	JL3055-Z19B3	D19	B3	小卵石层 Small pebbles bed
	HT3055-Z22C1	D22	C1	岩层主要以砂岩为主，是普通合金条产品的寿命5倍 Mainly for sandstone and working life is five times as the regular product with alloy strip.
	NEW XF3055-Z22	D22	-	岩层硬度在60MPa左右的岩层 Rock stratum with hardness around 60MPa

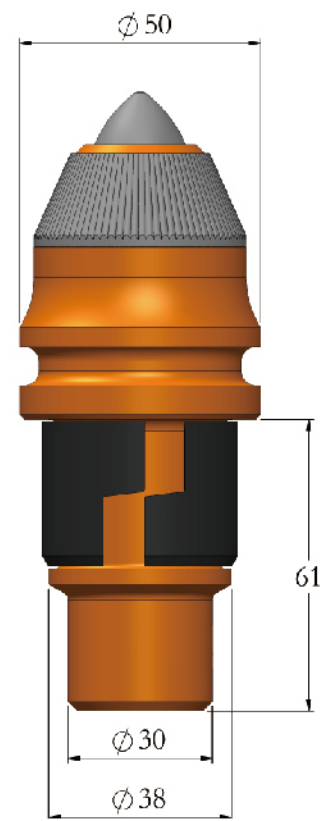
产品系列 Product Series	产品名称 Product Name	合金规格 Button size	涂层类型 Coating type	适用工况 Application
3060 系列 3060 Series	TY3060-S30B3	D30	B3	岩层硬度在80MPa至100MPa的岩层 Rock stratum with hardness from 80MPa to 100MPa
	JC3060-Z22B3	D22	B3	岩层硬度在60MPa左右的岩层 Rock stratum with hardness around 60MPa
	JC3060-S25B3	D25	B3	岩层硬度在80MPa左右的岩层 Rock stratum with hardness around 80MPa
	JC3060L-Z22B3	D22	B3	岩层硬度在60MPa左右的岩层 Rock stratum with hardness around 60MPa
	JL3060-Z19B3	D19	B3	小、中卵石层 Small and moderate pebbles bed
	HT3060-S25C1	D25	C1	岩层主要以砂岩为主，是普通合金条产品的寿命5倍 Mainly for sandstone and working life is five times as the regular product with alloy strip.
	NEW XF3060-Z22	D22	-	岩层硬度在80MPa左右的岩层 Rock stratum with hardness around 80MPa
	NEW XF3060-S25	D25	-	岩层硬度在80MPa左右的岩层 Rock stratum with hardness around 80MPa

备注: ● M、Z、S代表合金齿形状

- 涂层类型: B3 高性能特种合金喷涂粉
C1 硬质合金耐磨环

Remarks: ● M、Z、S is stand for the tungsten carbide buttons shape.

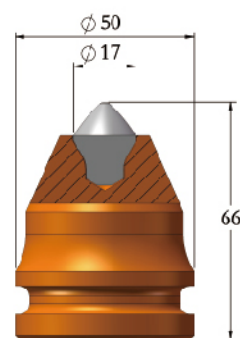
- Coating type: B3 high performance special alloy spray powder,
C1 hard alloy wear ring



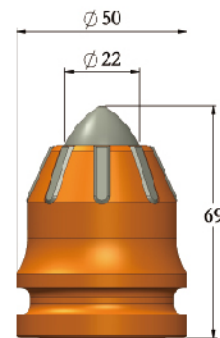
特性：Properties

- 标准主体设计
The main body is standardized design.
- 标准肩型为齿座提供保护
The standardized shoulder style protects the toothholder.
- 内部卡簧提供可靠夹持力
The inner circlip provides reliable gripping force.

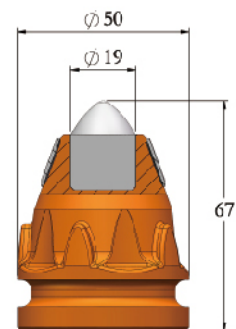
3050系列 SERIES



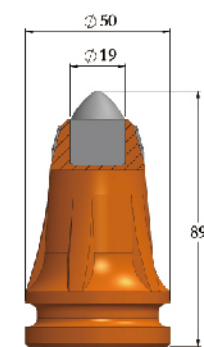
TY3050-M17



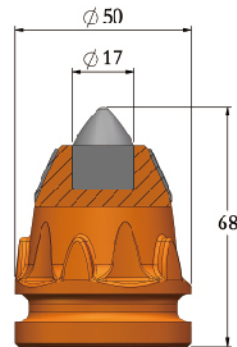
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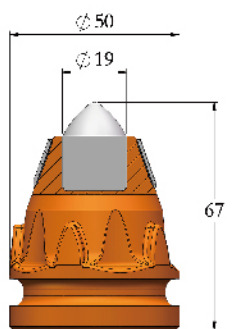
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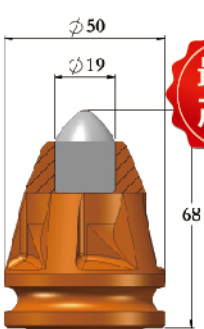
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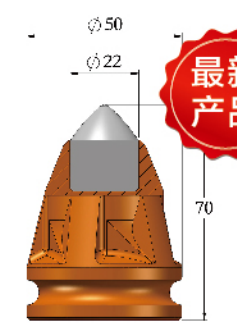
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HT3050-Z19C1



XF3050-Z19



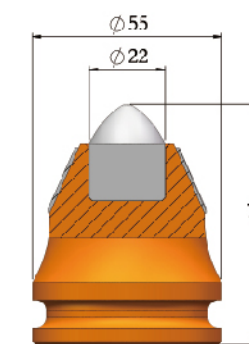
XF3050-Z22



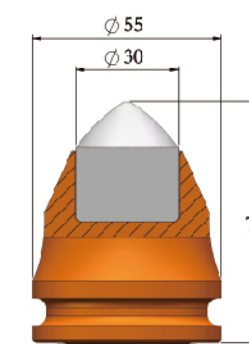
特性：Properties

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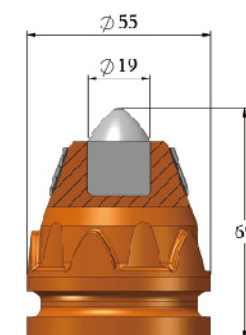
3055系列 SERIES



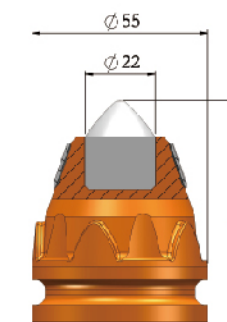
TY3055-Z22B3



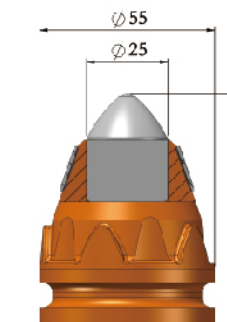
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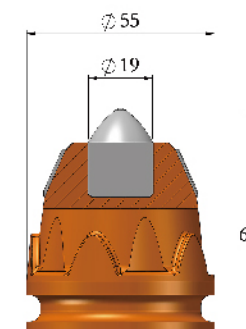
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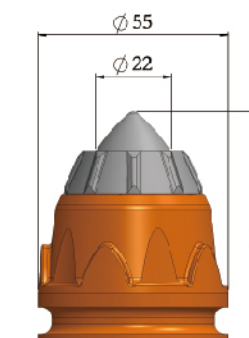
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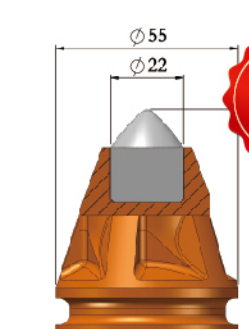
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JL3055-Z19B3



HT3055-Z22C1

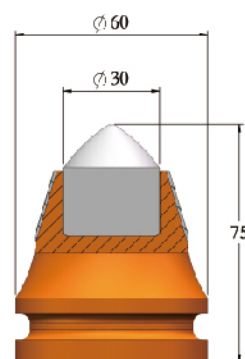
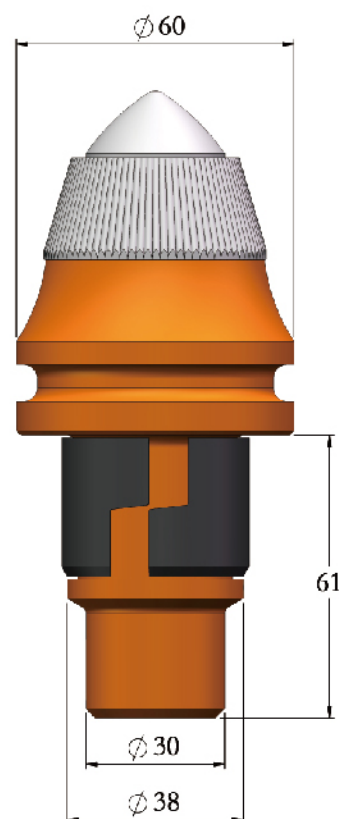


XF3055-Z22

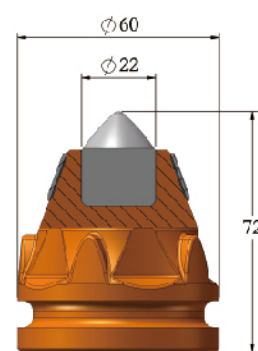
3060系列 SERIES

特性: Properties

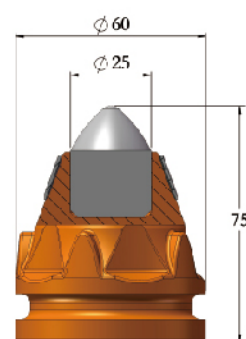
- 标准主体设计
The main body is standardized design.
- 标准肩型为齿座提供保护
The standardized shoulder style protects the toothholder.
- 内部卡簧提供可靠夹持力
The inner circlip provides reliable gripping force.



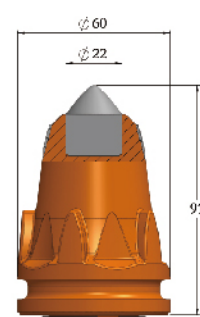
TY3060-S30B3



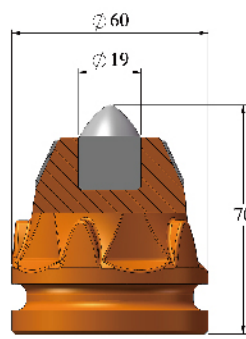
JC3060-Z22B3



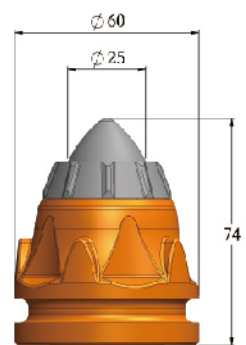
JC3060-S25B3



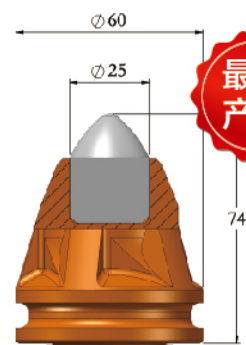
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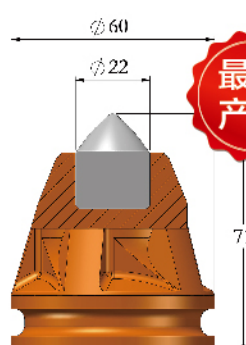
JL3060-Z19B3



HT3060-S25C1



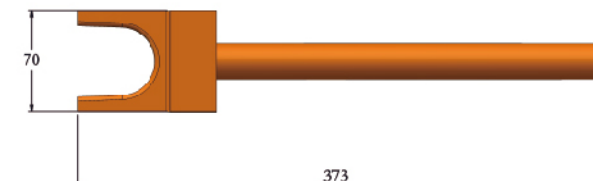
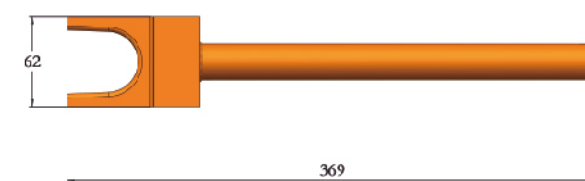
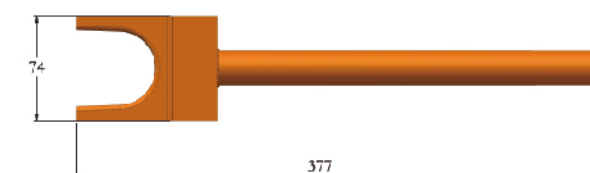
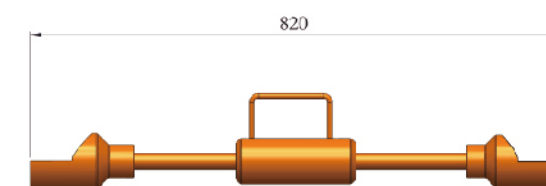
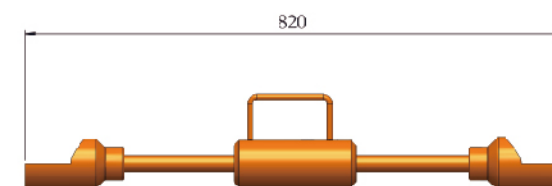
XF3060-S25



XF3060-Z22

拔齿器

SIMPLIFIED PICK PULLER



齿座

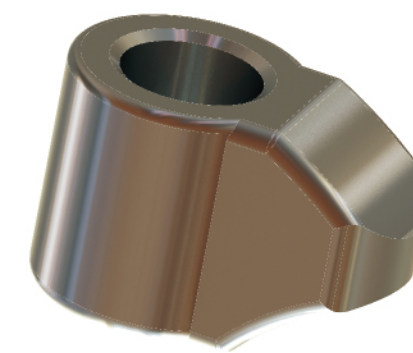
PICK HOLDERS



小圆座 (68-95)



大圆座 (78-95)



方座 (B43)

掘进齿

ROAD-HEADER PICKS

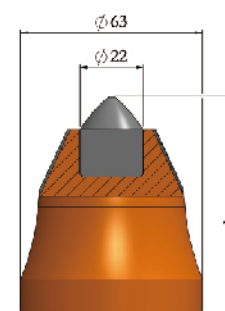
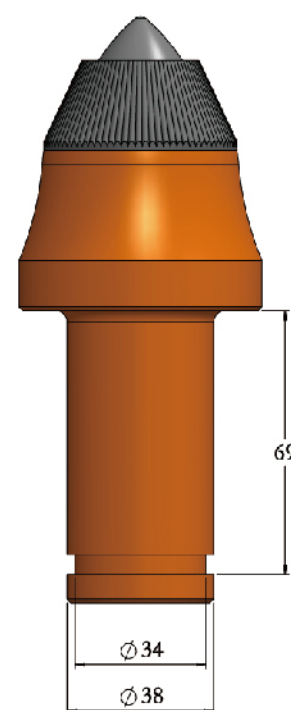
产品系列 Product Series	产品名称 Product Name	合金规格 Button size	涂层类型 Coating type	适用工况 Application
效率型 Productivity type	NEW S135-Z22B3-6A	D22	B3	松软、强风化岩石 Soft and highly weathered rock
	NEW S135-S25B3-6A	D25	B3	中硬至坚硬微风化岩层 From moderately to solidly slightly-weathered rock
通用型 General type	S135-Z22B3	D22	B3	松软、强风化岩石 Soft and highly-weathered rock
	S135-S25B3	D22	B3	中硬至坚硬微风化岩层 From moderately to solidly slightly-weathered rock
	S135-S30B3	D30	B3	非常坚硬、微风化厚层状岩层 Solid, slightly-weathered thick layer rock stratum
攻坚型 Body protection type	S135-Z22C1	D22	C1	松软、强风化岩石 Soft and highly weathered rock
	S135-S25C1	D25	C1	中硬至坚硬微风化岩层 From moderately to solidly slightly-weathered rock
	S135-S30C1	D30	C1	非常坚硬、微风化厚层状岩层 Solid, slightly-weathered thick layer rock stratum

备注: ● M、Z、S代表合金齿形状

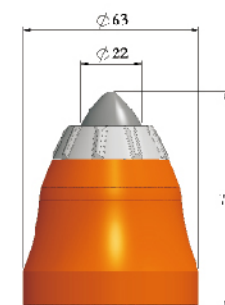
- 涂层类型: B3 高性能特种合金喷涂粉
C1 硬质合金耐磨环

Remarks: ● M、Z、S is stand for the tungsten carbide buttons shape.

- Coating type: B3 high performance special alloy spray powder,
C1 hard alloy wear ring



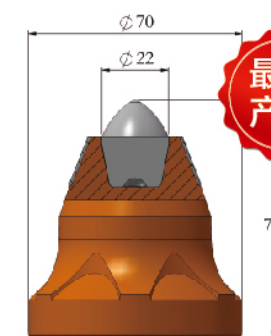
S135-Z22B3



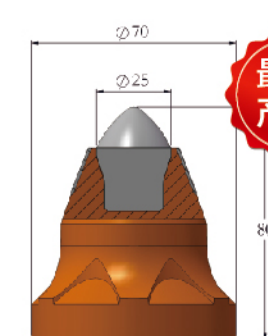
S135-Z22C1

特性: Properties

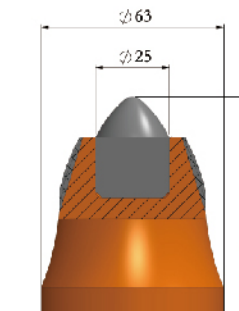
- 标准主体设计
The main body is standardized design.
- 标准肩型为齿座提供保护
The standardized shoulder style protects the toothholder.
- 外部卡簧提供可靠夹持力
The outer circlip provides reliable gripping force.



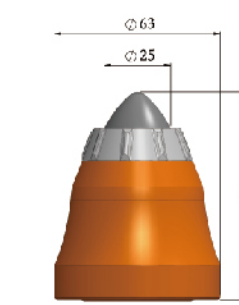
S135-Z22B3-6A



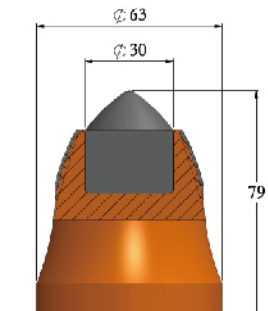
S135-S25B3-6A



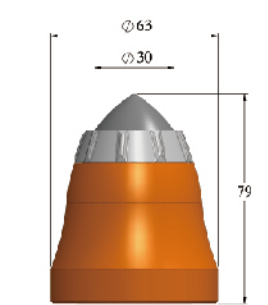
S135-Z25B3



S135-Z25C1



S135-S30B3

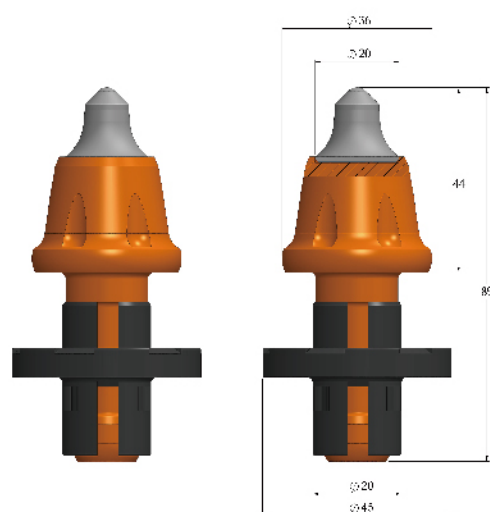


S135-S30C1

铁刨齿 ROAD MILLING PICKS

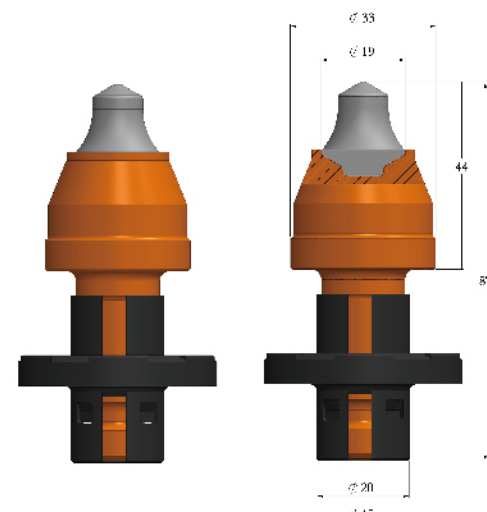
PT01 普通沥青系列 GENERAL ASPHALT SERIES

适用于普通沥青路面铣刨修复。
Apply to common asphalt pavement repairing.



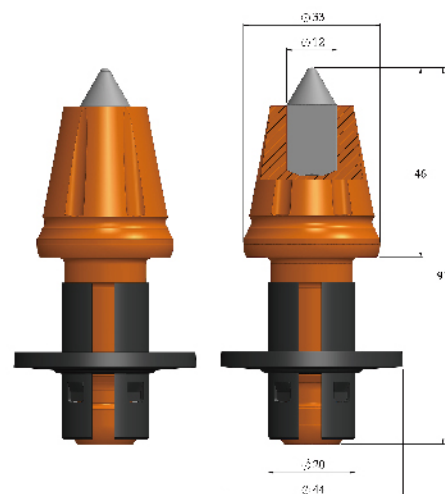
GX01 改性沥青系列 MODIFIED ASPHALT SERIES

适用于改性沥青路面铣刨修复。
It is used for modified asphalt pavement repairing.



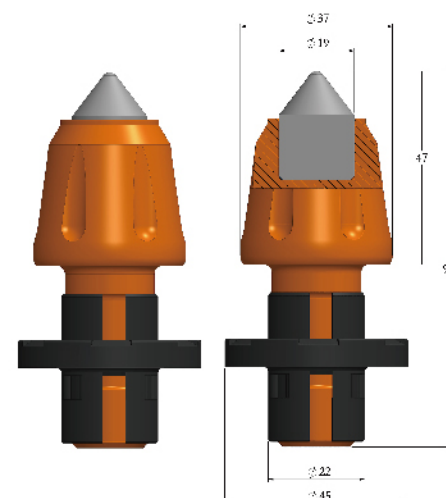
SN01 水泥路面系列 CEMENT PAVEMENT SERIES

适用于水泥路面及水稳层铣刨修复。
Apply to concrete pavement and cement concrete pavement repairing.

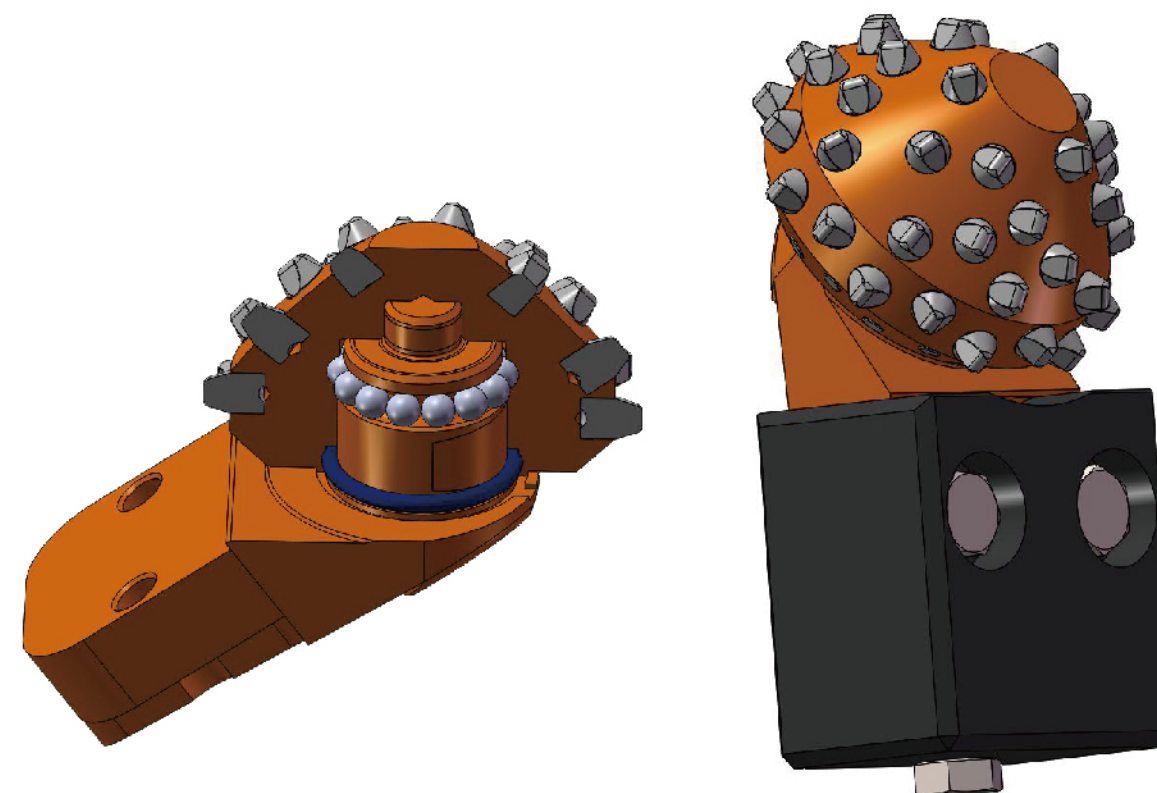


ZS01 冷再生系列 COLD REGENERATION SERIES

适用于冷再生系列机器使用。
Suitable for Cold Recycling Machine.



牙轮钻 CONE BIT



产品名称 Product Name	适用工况 Application
8 1/2 Gp90	抗压强度<90MPa, 软地层, 如中、强风化花岗岩、盐岩、片岩、硬石膏、砂岩、软石灰岩等。 The compressive strength is under 90mpa. It can be used for soft formation, such as moderately and highly weathered granite, salt rock, schist, anhydrite, sandstone, soft limestone, etc.
8 1/2 Gp120	抗压强度90—120MPa, 中硬地层, 如中、强风化花岗岩、砂岩、板岩、页岩、石灰岩等。 The compressive strength is from 90mpa to 120mpa. It can be used for medium hard formation, such as moderately and highly weathered granite, sandstone, killas, shale, limestone, etc.
8 1/2 Gp150	抗压强度120—150MPa, 中高硬地层, 如中、微风化花岗岩、凝灰岩、石灰岩、砾岩、白云岩等。 The compressive strength is from 120mpa to 150mpa. It can be used for medium-to-highly hard formation, such as moderately-to-slightly weathered granite, tuff, limestone, conglomerate, dolomite, etc.
8 1/2 Gp180	抗压强度150—180MPa, 层, 如微风化花岗岩、石英斑岩、玄武岩、砾岩、凝灰岩等。 The compressive strength is from 120mpa to 150mpa. It can be used for highly hard formation, such as slightly weathered granite, quartz porphyry, basalt, conglomerate, tuff, etc.

产品施工案例

CONSTRUCTION SITE CONDITION PART A



旋挖施工概况 OVERVIEW

项目名称 Name of Project	地质情况 Geological Situation	产品名称 Product Name	旋挖机型号 Drilling Rig Model	钻斗直径 Diameter of Drilling Bucket	掘进米数 Digging Meters
广东岭南V谷 B区一期 1st stage of B Block in Guangdong Lingnan V Valley	上层岩层： 土层 (15-25M)	TY3055-Z22B3	三一SR360	1.4米	62.1米
	中层岩层： 中风化 (5-8M) 下层岩层： 微风化 (1M) Upper Layer: Solid Layer(15-25M) Middle Layer: Moderately Weathered(5-8M) Substrate: Slightly Weathered(1M)	TY3055-Z22B3	SANYSR360	1.4meters	62.1meters

产品对比图 PRODUCT COMPARISON

金鹭产品		XTC PRODUCT
	5.7米时磨损情况 Abrasion condition in 5.7 meters	
		28.7米时磨损情况 Abrasion condition in 28.7 meters
		
		62.1米时磨损情况 Abrasion condition in 62.1 meters

某产品		X BRAND IMPORTED PRODUCT
	5.2米时磨损情况 Abrasion condition in 5.2 meters	
		28.2米磨损情况 (出现报废) Abrasion condition in 28.2 meters(One is scrapped.)
		
		62.1米时出现四支报废, 已更换新产品 Four pieces had been scrapped in 62.1 meters and changed into new ones.

案例A结论 CASE A CONCLUSION

- 1. 经过此次测试对比, 金鹭TY3055-Z22B3产品入岩过程中更耐磨, 在中风化及以上岩层实用性很高;
 - 2. 金鹭合金及裤体磨损量较小, 使用寿命超出国内其他产品寿命一倍多;
 - 3. 金鹭产品的合金齿焊接强度非常好, 测试过程中没有出现掉齿现象。
- 1. After the testing comparison, XTC TY3055-Z22B3 is more abrasive during digging into rocks. It has high performance in moderately weathered and even harder rock stratum.
 - 2. The wearing loss of XTC products' alloy and steel body is relatively less. The working life of XTC products is twice of other domestic products.
 - 3. The welding strength of XTC products' carbide buttons is very well. No buttons are lost during the testing.

产品施工情况

CONSTRUCTION SITE CONDITION PART B



旋挖施工概况 OVERVIEW

项目名称 Name of Project	地质情况 Geological Situation	产品名称 Product Name	掘进机型号 Drilling Rig Model	钻斗直径 Diameter of Drilling Bucket	掘进米数 Digging Meters
平顶山高铁 项目张良段 The Pingdingshan High-speed Railway in ZhangLiang	花岗岩 Granite	JC3060-S25B3	徐工XR400E	120cm	1.5m
		JC3060-S25B3	XCMG XM400E	120cm	1.5m

产品对比图 PRODUCT COMPARISON

金鹭产品		XTC PRODUCT
	0.3米时磨损情况 Abrasion condition in 0.3 meters	
		1.5米磨损情况 (4支产品失效) Abrasion condition in 1.5 meters (Four pieces are scrapped.)
		
		岩层情况 Rock Condition

某产品

X BRAND IMPORTED PRODUCT



0.3米时磨损情况
Abrasion condition in 0.3 meters



0.77米磨损情况(12支产品失效)
Abrasion condition in 0.77 meters(12 pieces are scrapped.)



岩层情况
Rock Condition

案例B结论 CASE B CONCLUSION

- 1. 此次测试过程中，金鹰JC3060-S25B3(20S)型号产品耐磨强度与寿命都优于现场产品。
- 2. 通过与现场设备操作员沟通，得知在此工地现使用的产品磨损合金比较厉害，大多都以偏磨、合金磨损导致失效。
- 3. 通过测试，金鹰JC3060-S25B3(20S)型号产品适合较硬岩层的掘进情况。

- 1. In the test, the abrasive resistance and working life of XTC JC3060-S25B3(20S) is superior to X BRAND.
- 2. We got from the equipment operator that the wearing loss of X BRAND's alloy buttons was relatively more and most were scrapped by eccentric wear and alloy wear.
- 3. XTC JC3060-S25B3(20S) is suitable for digging into harder rock.

产品施工案例

CONSTRUCTION SITE CONDITION PART C



掘进施工概况 OVERVIEW

项目名称 Name of Project	地质情况 Geological Situation	产品名称 Product Name	掘进机型号 Tunnel Model	抗压强度 Compressive strength	掘进时长 Tunnel Time
贵阳遵义中路隧道 Zunyi mid-way tunnel in Guiyang	围岩节理裂隙发育 Wall rock is developed by crevices and joints.	S135-S30B3	徐工 EBZ 260	60-110MPa	110分钟
		S135-S30B3	XCMG EBZ 260	60-110MPa	110mins

产品对比图 PRODUCT COMPARISON

金鹰产品

XTC PRODUCT



30分钟磨损情况
Abrasion condition after 30mins



60分钟磨损情况
Abrasion condition after 60mins



110分钟磨损情况
Abrasion condition after 110mins

某产品

X BRAND IMPORTED PRODUCT



30分钟磨损情况
Abrasion condition after 30mins



60分钟磨损情况
Abrasion condition after 60mins



110分钟磨损情况
Abrasion condition after 110mins

结论 CONCLUSION

- 1. 经过此次测试对比，金鹰S135-S30B3产品在硬岩实用性很好，优于国内品牌；
- 2. 金鹰产品的合金磨损量相对较小；
- 3. 金鹰产品在性价比上优于其他品牌。

- 1. After the testing comparison, XTC S135-S30B3 has high performance in hard rock and is superior to the domestic brand.
- 2. The wearing loss of XTC products' alloy is relatively less.
- 3. The value of XTC products is better than other brands.

产品施工情况

CONSTRUCTION SITE CONDITION PART D



铁刨施工概况 OVERVIEW

项目名称 Name of Project	路面工况 Road conditions	产品名称 Product Name	铁刨机型号 Type of Milling Machine	铁刨深度 Milling depth	铁刨面积 Area of milling and planing
湖北武荆高速 Hubei Wujiang Expressway	普通沥青混凝土 (粒料为玄武岩碎石) Regular Asphalt concrete (Granular material for basalt gravel)	PT01 GX01	维特根 W2000型 WIRTGEN W2000	6cm 6cm	沥青混凝土路面 37884 m ² , 水稳层路面 5600 m ² Area of Asphalt Concrete: 37884 m ² Area of Cement Stabilized Macadam Base: 5600 m ²

产品对比图 PRODUCT COMPARISON

金鹭产品 XTC PRODUCT				
				
7289m ² 铁刨作业 (PT01) 7289 m ² Milling Operation (PT01)	16917m ² 铁刨作业 (PT01) 16917 m ² Milling Operation (PT01)	23896m ² 铁刨作业 (PT01) 23896 m ² Milling Operation (PT01)	31148m ² 铁刨作业 (PT01) 31148 m ² Milling Operation (PT01)	沥青混凝土路面 37884m ² , 水稳层 路面5600m ² (PT01) Milling Operation : 37884 m ² of Asphaltum Concrete and 5600 m ² of Cement Stabilized Macadam Base (PT01)
				
7289m ² 铁刨作业 (GX01) 7289 m ² Milling Operation (GX01)	16917m ² 铁刨作业 (GX01) 16917 m ² Milling Operation (GX01)	23896m ² 铁刨作业 (GX01) 23896 m ² Milling Operation (GX01)	31148m ² 铁刨作业 (GX01) 31148 m ² Milling Operation (GX01)	沥青混凝土路面 37884m ² , 水稳层 路面5600m ² (GX01) Milling Operation : 37884 m ² of Asphaltum Concrete and 5600 m ² of Cement Stabilized Macadam Base (GX01)

某产品

X BRAND IMPORTED PRODUCT

				
7289m ² 铁刨作业 7289 m ² Milling Operation	16917m ² 铁刨作业 16917 m ² Milling Operation	23896m ² 铁刨作业 23896 m ² Milling Operation	31148m ² 铁刨作业 31148 m ² Milling Operation	沥青混凝土路面 37884m ² , 水稳层 路面5600m ² Milling Operation : 37884 m ² of Asphaltum Concrete and 5600 m ² of Cement Stabilized Macadam Base

案例D结论 CASE D CONCLUSION

- 1. 金鹭PT01和GX01两种刀具不仅在沥青混凝土路面表现良好, 对碾压式水泥混凝土也有良好的适应性, 与某进口产品合金、卡簧、垫片的耐磨性上没有明显差异。
 - 2. 在裤体的耐磨程度上, 金鹭GX01产品表现最好。
 - 3. 金鹭GX01产品在细粒式与中粒式沥青混凝土工况下的表现优于某进口产品。
- 1. Both PT01 and GX01 perform well on milling operation of asphalt concrete as well as cement stabilized macadam base. And both of XTC products have the same abrasion resistance compared to the imported X brand at cemented carbide, circlip, gasket.
 - 2. For the steel body, XTC Product GX01 performs the best at abrasion resistance.
 - 3. XTC Product GX01 compares favourably with the imported X brand on small-grain and medium-grain asphalt concrete.

检测系统

INSPECTION SYSTEM

电感耦合等离子
发射光谱仪作用：
主要用于检测WC
中杂质含量

ICP: to inspect
the impurity of
WC

电感耦合等离子
发射光谱仪

INDUCTIVE COUPLED
PLASMA EMISSION
SPECTROMETER(ICP)

能谱仪作用：
主要用于检测合金中元素含量

EDS: to test the metal
elements in the alloy

能谱仪
ENERGY SPECTROMETER

扫描电子显微镜

SCANNING ELECTRON
MICROSCOPE

金相显微镜/扫描电子显微镜作用：
主要用于观察合金显微组织

SEM: to test the metallurgical
structure of the alloy

金相显微镜

METALLOGRAPHIC MICROSCOPE

材质方面检测

MATERIAL INSPECTION

性能检测

FUNCTIONAL INSPECTION

硬度计

MICRO VICKERS

万能试验机

UNIVERSAL TESTER

线切割设备

WIRE-ELECTRODE
CUTTING EQUIPMENT

产品剖面图

CROSS-SECTION
DRAUN

▶ 硬度计万能试验机作用：
主要用于检测合金硬度及抗弯强度、抗压强度等性能。
Hardness meter: to test and hardness, bending strength,
compressive strength.

▶ 线切割设备作用：
主要用于检测焊缝填充。
Wire-Electrode Cutting Equipment:
Used for detecting weld padding

INSPECTION 检测系统 SYSTEM

磁力仪
MAGNETOMETER



▶ 磁力仪磁饱和检测仪作用：
主要通过检测材质磁性来反馈合金内部晶粒大小及渗、脱碳现象。

Magnetometer: to react grain size, carburization and
de-carburization by test the magnetism of the material.

磁饱和检测仪
MAGNETIC SATURATION DETECTOR



尺寸及形位公差检测

SIZE AND SHAPE TESTER

三坐标检测仪
CMM three coordinates
measuring instrument



▶ 三坐标检测仪尺寸及形位公差检测作用：
主要用于检测成品尺寸及形位公差

CMM (Coordinate measuring machine):
to test the final size and tolerance of the final product

质量控制

QUALITY CONTROL

质量是产品生存的根本，是企业发展的立足点。洛阳金鹭是厦门金鹭一脉相承的全新开始，有多年粉末及钨系列生产经验和完备的质量控制体系。发展之初就将优异的产品质量作为起点，稳定的产品质量为发展的保证。洛阳金鹭拥有先进完善的检测设备，完善的过程质量体系（监控）及最终质量检测控制体系，保证出厂产品品质。

Quality is the life of product and foothold of the enterprise development. XTC luoyang plant, as the successive & new beginning of XTC which depending on years of powder and tungsten series producing experience and complete quality control system, also take excellent and steady product quality as assurance of development. XTC luoyang plant Utilizes the state of art testing equipment and thorough process control system and final quality control system to ensure the quality of finished goods.



高品质的服务

FIRST-CLASS SERVICE

公司以高品质钨粉末材料和优质合金材料为核心，以先进的生产工艺技术为基础，采用先进的自动化设备，专注于钎具领域的探索，不断追求品质完美和产品创新，以满足用户的需求。

We take high quality tungsten powder and high quality alloy material as the core, and advanced production technology as the foundation, We use the advanced automated equipment, focus on explore the construction field, constant pursuit the perfect quality and product innovation to meet every users' s needs around the world.



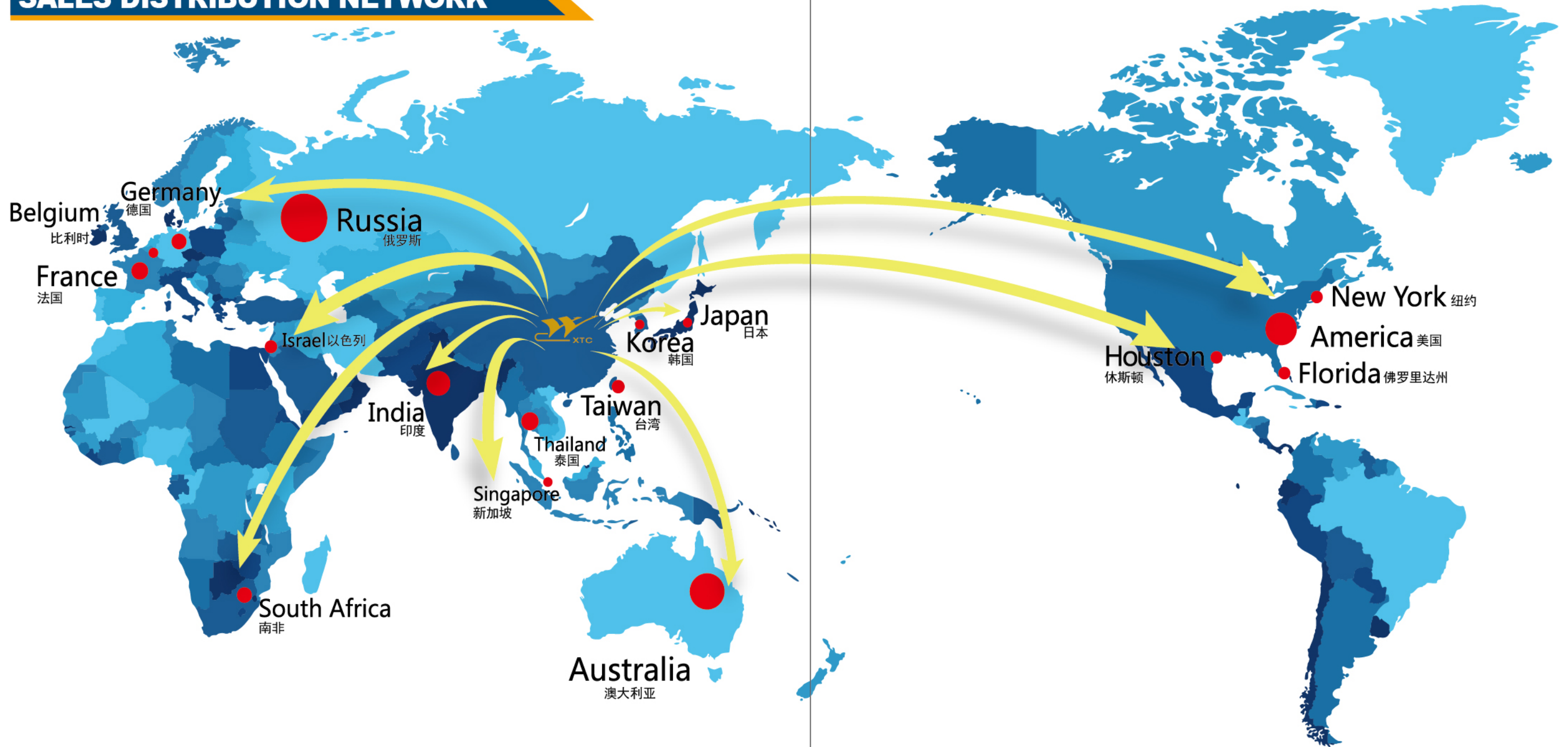
我们的服务团队将为您提供优质、全面、贴心和省心的服务，满足您不同的施工需求，为您解决后顾之忧，同时保证您的工程如期竣工！

Our service team will provide you with high quality, comprehensive, intimate and carefree services while ensuring your project completed on schedule!



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QUALITY

效率
EFFICIENCY

效益
BENEFIT