SHANDONG SANSHAN GROUP
山东三山集团

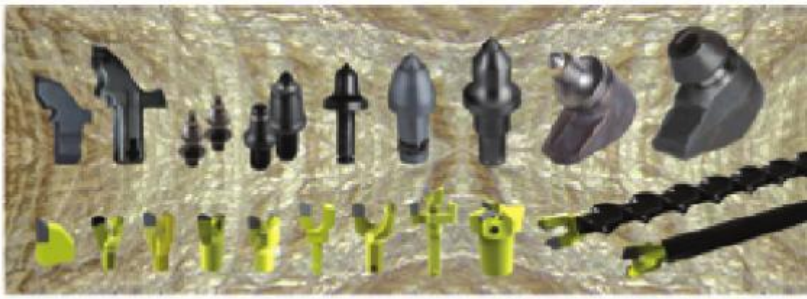
采矿地面工具
Mineral Ground Tools

山东凿岩钎具厂有限公司
ShanDong Rock drilling tools Co., Ltd.
ShanDong Herramientas de Perforación de Roca Co., Ltd.





三山，因专业而出色……
SANSHAN,Outstanding because of being professional .....
SANSHAN,Nos destacamos por ser profesionales……








SANSHAN
Mineral Ground Tools

SANSHAN
Mineral Ground Tools



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SANSHAN

山东凿岩钎具厂有限公司
SHANDONG ROCK DRILLING TOOLS CO.,LTD.

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CHAIRMAN'S GREETING 董事长致辞

三山成立近二十年来，我们创造了傲人的成绩。今天，三山已在钻具产业中独树一帜。从合金钢的冶炼轧制到各种刀具、钎具的生产，我们实现了产业的纵向一体化。“质量稳定，交货及时，价格合理”是我们始终坚持的核心理念。

三山的成功建立在坚实的基础之上。我们拥有三大立足点：第一、专注于硬质合金刀具、钎具的生产，不断从欧洲引进先进的技术，拥有数名国内顶尖的设计师、特钢冶炼和轧制技师；第二、运用国内近二十年市场经验，从强大的国内市场向全球辐射，产品性价比得到了客户的认可；第三、建立了特钢钎钢生产基地，就近快速获取各种型号特钢钎钢。正因拥有这三方面的优势，我们能够持续为客户提供各种不同的解决方案。同时，我们坚信必能为您创造更多的价值。

三山专注于为客户提供最高效率的解决方案，因此成为专业且多元化的钻具制造商。希望帮助更多的掘进、采矿企业了解各种钻具的使用和优点，不仅提供标准化的产品，更能与客户一同合作发展，提供各种客制化的解决方案，解决客户的需求。

展望未来，我们将一如既往，以满足客户需求、取得客户信任为目标，致力于与全球各地的客户建立长期、稳定的商业伙伴关系，为实现三山的核心企业价值而努力不懈。

在此，三山感谢广大客户多年来的大力支持，我们将继续努力，为您提供更优质、更具竞争力的产品与最完善的服务！

董事长



谨敬

Since SANSHAN has been established nearly two decades ago, we have made a proud achievement. Today SANSHAN is a unique rock drilling tools manufacturer. We have integrated our rock drilling tools production process, from the smelting and rolling of alloy steel to a variety of hard rock drilling tools and cutters tools production. We believe this integration is necessary to realize our core values: quality assurance, flexible production capability and competitive price for our clients.

Our success is built on an exceptional foundation. We are able to create solutions for our clients because through our company' s development we acquired the three pillars that we believe are the critical ingredients for sustainable growth. First, focus on the research and development of cemented carbide rock drilling tools and cutters, continue R&D product development, for this we maintain expert advice from Japan and Europe, and we have several domestic top designers of rock drilling tools and technicians of special steel' s smelting and rolling. Second, we have more than two decades of wealth of pragmatic experience in the domestic market, and radiation to the global market from the strong domestic market, the product' s performance price ratio is approved by all our clients. Third, we have established our own special rock drill steel production base, it can let us in the nearest place to quick access various types of special rock drill steel. With these accumulated competitive advantages, we are confident SANSHAN can add value for you.

Our relentless aspiration to assist our clients in finding more efficient solutions is the reason why SANSHAN is renowned for being a dynamic rock drilling tools manufacturer. It is our desire to help potential clients to understand the efficiency of rock drilling tools, that we have positioned ourselves to serve a diverse range of potential rock drilling tools users. We have the capability for standard items as well as custom made solutions.

We will stay committed to our key business values and to leverage our accomplishments to achieve continue client satisfaction. SANSHAN is now in the position to reach out to every corner of the world building long-term business partnerships.

We sincerely appreciate the strong support of our client. We will endeavor to do our very best on preserving and enhancing our reputation, offering consistent good quality at competitive price and service to our clients.

Chairman
Mingsuo Li
Best regards!

Durante veinte años, desde la fundación de SanShan, hemos sido una empresa exitosa, de la cual nos sentimos orgullosos. En la Actualidad, SanShan es la empresa líder en China en fabricación de herramientas de perforación. Desde la fundición y laminado de acero de aleación, hasta la producción de diversos tipos de herramientas de perforación y herramientas de corte. Hemos realizado la integración vertical de la industria. "Calidad permanente, entrega a tiempo y precios convenientes" este concepto es nuestra característica principal.

La prosperidad de SanShan está sobre bases sólidas.Tenemos tres puntos de apoyo: En primer lugar, nos especializamos en la fabricación de herramientas de perforación y de corte de aceros de aleación, incorporando constantemente tecnologías de punta traídas desde Europa. Contamos con los mejores diseñadores nacionales de herramientas de perforación y técnicos profesionales en fundición y laminado de aceros de perforación; Segundo, utilizamos las experiencias del poderoso mercado nacional, acumuladas durante veintes años, para extendernos hacia el mercado mundial, con una excelente relación precio calidad, obteniendo así, el reconocimiento de nuestros clientes; Tercero, hemos consolidado bases de producción de aceros especiales y aceros de perforación del más alto nivel y calidad. Gracias a estos tres puntos, podemos ofrecer continuamente soluciones de diversos tipos para nuestros clientes, además, confiamos firmemente en poder agregar valor a su empresa.

SanShan se dedica a ofrecer al cliente soluciones integrales y más eficientes, por eso, somos fabricantes profesionales y hemos ampliado la oferta de herramientas de perforación, con esto, esperamos poder ayudar a más empresas mineras y de construcción de túneles, para que conozcan las ventajas y usos de diversos tipos de herramientas de perforación, ofrecemos productos estandarizados y apoyamos el desarrollo del trabajo en conjunto con el cliente, para ofrecer todo tipo de soluciones personalizadas, con el fin de satisfacer las diversas necesidades de nuestros clientes.

En el futuro, nos hemos propuesto satisfacer la demanda de nuestros clientes y obtener su confianza, estableciendo relaciones solidas y permanentes, con clientes de todo el mundo, para ello, nos esforzamos continuamente en cumplir con el concepto central de SanShan.

SanShan Herramientas, agradece la confianza depositada por nuestros clientes durante muchos años. Seguiremos esforzándonos para ofrecer a ustedes productos de alta calidad, sin competencia y un servicio integral pre y post venta.

Presidente
Li Mingsuo
Saludos sinceros

SANSHAN



COMPANY PROFILE 公司简介

山东蕾岩钎具厂有限公司始建于1993年，隶属山东三山集团，公司位于山东省阳谷县西湖乡，占地面积330亩，拥有员工1280人，下辖四个控股子公司和一个省级钎钢钎具工程技术研究中心，是国家高新技术企业、中国专利山东明星企业、中国乡镇企业创名牌重点企业、山东省守合同重信用企业。

三山是全国最大的钎钢钎具生产企业之一，主要生产“三山”牌刀具钎具，“五岳”牌特钢钎钢。广泛应用于开山、采矿、铁路、公路、水电等基础能源建设工程，现已形成7大系列、1000余种产品的生产能力；是国家南水北调、西部开发、高速铁路、水电核电等工程的重要合作伙伴。

公司先后承担并完成“国家863计划”、“国家级火炬计划”、“创新基金”等多项国家级科研成果；完成各类技术改造项目和省部级科研攻关计划20余项，有6种产品被认定为“国家级重点新产品”，填补了国内空白；一项成果获得国家科技进步二等奖；公司拥有43项国家专利技术，产品质量达到国际先进水平，在国内同行业率先通过ISO9001质量体系和ISO14001环境体系认证。“三山”商标荣获“山东省著名商标”，三山钎具被认定为“山东名牌”产品。

公司拥有自营进出口权，产品畅销全国各地，并出口到欧洲、澳洲、非洲、南美洲、中东、东亚、南亚等三十多个国家和地区。



Shandon Rock Drilling Tools Co. Ltd was established in 1993 and belongs to Shandong Sanshan Group Co., Ltd. and it located in Xihu Township, Yanggu County, Shandong Province. SANSHAN covers an area of 330 Chinese acres with more than 1280 employees. It consists four share controlled branch company and owns a provincial rock drilling tools steel and rock drilling tools engineering technology research center. SANSHAN is national High-tech Enterprise, Shandong Top-star Enterprise of China Patent, China' s Township Enterprise Create Brand-name Key Enterprise, Shandong Province Reliable and Credible Enterprise.

SANSHAN is one of the biggest production bases of the rock drilling steel and rock drilling tools, mainly produce SANSHAN brand rock drilling tools, WUYUE brand special rock drilling steel, they are widely used in quarrying, mining, railways, highways, hydroelectric power and other basic energy construction project. It has been formed the production capacity of seven series and more than 1000 types of products. It' s an important partner of National South-to-North Water Diversion Project, High-speed Railway, Western Development Project, Hydro Nuclear Power Project.

SANSHAN has undertaken and completed the National 863 Project, National Torch Plan Project, Innovation Fund, and many other State-level achievements in scientific research. Completed more than 20 technical transformation projects and provincial and ministerial level scientific research projects, there are six kinds of our products have been listed as State-level Key New Product and have filled the domestic gaps, and one of them received the second award of National Science and Technology Progress. It owns 43 national patent technologies, and its products quality has reached the international advanced level and in the leading place in the domestic same industry. It have got the certificate of ISO9001 and ISO14001. SANSHAN brand was awarded Shandong Province Famous Brand, and SANSHAN rock drilling tools have been identified as Shandong Famous Brand products.

SANSHAN owns the self-operation import and export right. It' s products have been exported to Europe, Australia, Africa, South America, Mid-east, East Asia, South Asia more than 30 countries and regions.

SANSHAN

Shandong Herramientas de Perforación de Roca Co. Ltda. Se fundo en el año 1993, y en el año 2003, se fundo el Grupo SanShan. La compañía se sitúa en la comarca de Xihu del distrito Yanggu de la Provincia de Shandong, ocupa una superficie de 22 hectárea, tiene 1280 empleados. Controla cuatro sucursales ,más una de acero de perforación de la Ingeniería Centro de Investigación, es una compañía de grupo empresarial que combina: el diseño, la producción, venta de acero especial y barras de perforación, herramientas de perforación de roca, equipamiento de uso minero. La compañía ha obtenido los títulos de: "Empresa de alta y nueva tecnología de Shandong" , "Entidad Ejecutara de Proyecto del Plan 863 Nacional" , "Empresa Estrella de Patente China de Shandong" , "Empresa Clave de Creación de Marca Famosa entre Empresas Chinas de la Ciudad" .

SANSHAN es la base productiva nacional más grande de manufactura de herramientas de perforación, produce principalmente herramientas de perforación de roca con marca "SANSHAN" , acero especial y barras de perforación con marca "WUYUE" , está compuesto por más de 1000 tipos de productos en 7 series, los productos se utilizan ampliamente en obras de mineria, ferrocarriles, carreteras y proyecto hidroeléctricos, tambien somos un importante proveedor para la infraestructura y construcción nacional.

La empresa ha asumido y cumplido permanentemente con: "Plan 863" y "Programa Antorcha Nacional" y otros productos nacionales de estudio científico; ha completado más 20 proyectos provinciales de transformación técnica y planes de investigación científica de nivel provincial y ministerial, 6 productos son elegidos como "Productos Nuevos Clave Nacionales" , llenando una laguna nacional; la empresa tiene 35 tecnologías nacionales patentadas, y la calidad de los productos llega a un avanzado nivel internacional, llevando la delantera en comparación con sus rivales nacionales. SanShan fue la primera empresa del rubro en certificarse ISO 9001 e ISO14001. La marca "SanShan" ha obtenido el título de "Marca Famosa de la Provincia de Shandong" y las herramientas de perforación de SanShan, obtuvieron el título de "Productos Famosos de Shandong"

La compañía tiene el derecho independiente de importación y exportación, los productos se venden en todo el país y se exportan a más de treinta países y zonas de Europa, Oceanía, Ameriza del Sur, Medio Oriente, Asia del Este y Asia del Sur.

ADVANCED EQUIPMENT 先进设备









- 1-2、冶炼设备 /Smelting equipment
- 3-4、连铸设备 /Continuous casting equipment
- 5、钻孔设备 /Drilling equipment
- 6、连轧设备 /Continuous rolling equipment
- 7、3T 锻锤 /3T Forging hammer

















- 1-2、数控机床 /CNC(Computer Numerical Control) Lathe
- 3、加工车间 /Works processing workshop
- 4、摩擦焊机 /Friction welding machine
- 5、真空淬火炉 / Vacuum quenching furnace
- 6-7、锻造压力机 /Foring pressure machine
- 8、锻钎机 /Forging machine for the hex. rod









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ADVANCED IMSPECTION EQUIPMENT
先进的检测设备







- 1、ICP光谱仪(瑞典)/ ICP spectrometer（sweden)
- 2、气体分析仪(德国)/Gas analyzer(germany)
- 3、金相显微镜/Metallurgical microscope
- 4、显微硬度计/Microhardness tester
- 5、万工显微镜 /Electron microscope
- 6、拉伸、冲击试验机/Tensile, Impact testing machine









党和国家领导人接见二00七年度国家科学技术奖励大会代表



2007 年，公司 "高性能钎具特钢生产技术与产品开发" 项目获得国家科技进步二等奖，集团公司董事长、总经理李明锁在人民大会堂受到党和国家领导人胡锦涛、温家宝等领导的亲切接见。（五排，右起 15 位）

In 2007, our company' s "Production Technology of High Performance Special Steel for Rock Drilling Tools and Product Development" project won the National Scientific and Technological Progress second prize, and Li Mingsuo, the chairman and general manager of our group company was cordially met by party and state leader Hu Jintao, Wen Jiabao and other leaders in the Great Hall of the People. (Fifth row, the fifteenth one count from the right)



资质荣誉 COMPANY HONORS

LEADING CARE 领导关怀





○山东省委书记姜异康来公司视察指导工作
Shandong provincial party committee secretary Jiang Yikang come to our company to inspect and guide work.



○山东省省长姜大明亲切接见李明锁董事长
The governor of Shandong province Jiang Daming cordially met with chairman Li Mingsuo.



Carbide Tips 常用合金

Plug tips 柱齿

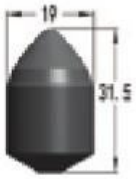
◆Z2538



◆Z2236



◆Z1932



◆Z1626



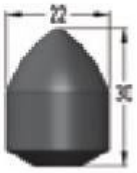
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◆Z2230



◆Z2228



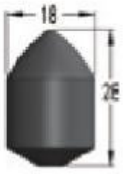
◆Z2030



◆Z1929



◆Z1828



◆Z1625



◆Z1320



◆Z1222



Carbide Tips 常用合金

Narrow-bottom 磨菇齿

◆M2538



◆M2236



◆M1932



◆M1828



◆M1626

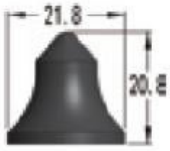


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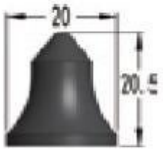


Flat-bottom 平底齿

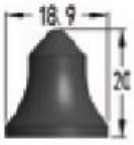
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◆P2021



◆P1920



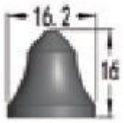
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◆P1818



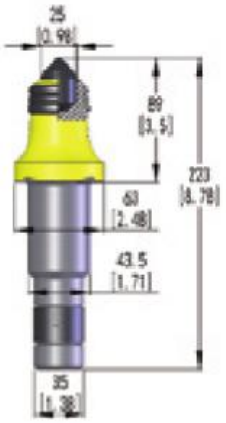
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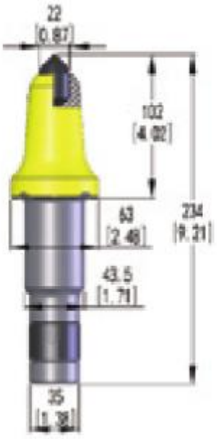
Conical pick tools 采煤机镐形截齿

43 mm/35mm(1.70”/1.38”) step shank 带台阶齿柄

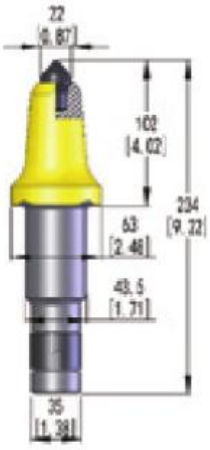
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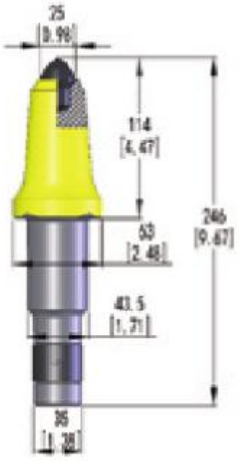
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◆JZ114/43-U170/M25-42B-3







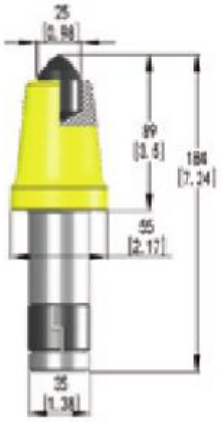
Conical pick tools 采煤机镐形截齿

35mm(1.38")shank 齿柄

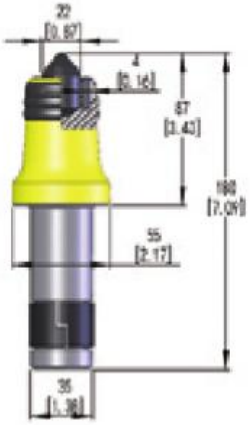
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◆JZ89/35-U95/Z25-23-3



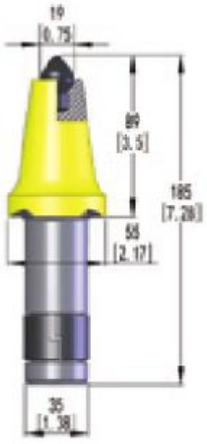
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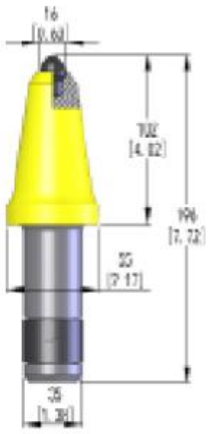
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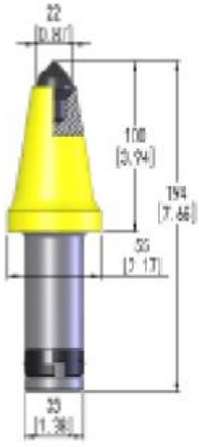
◆JZ89/35-U94/M19-42B-3



◆JZ102/35-U92/M16-42-3



◆JZ100/35-U92/M22-42-3



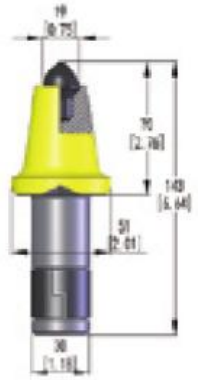




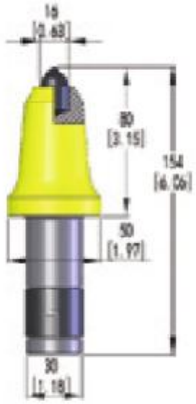
Conical pick tools 采煤机镐形截齿

30mm(1.18")shank 齿柄

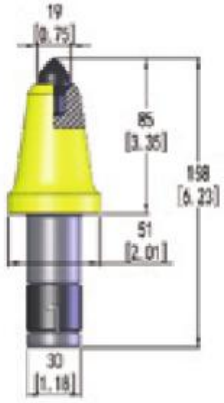
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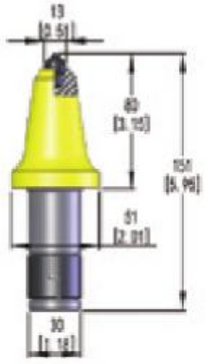
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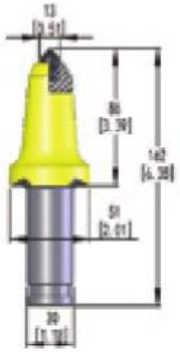
◆JZ85/30-U84/M19-42-3



◆JZ80/30-U82/M13-42-3



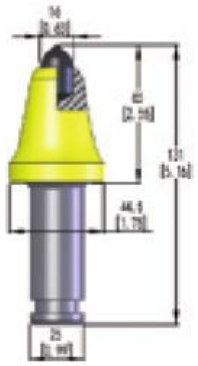
◆JZ86/30-U85/M13-42B-3





25mm(0.99")shank 齿柄

◆JZ64/25-U76/Z16-42-3

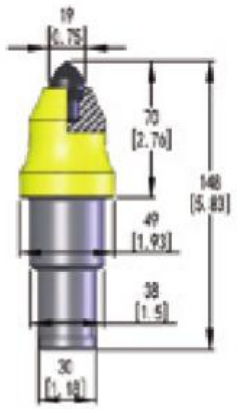




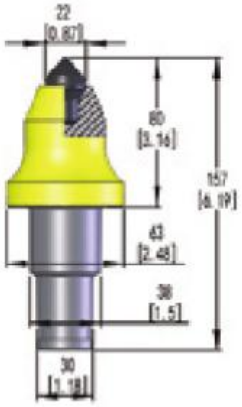
Crusher pick tools 掘进机镐形截齿

38mm/30mm(1.5"/1.18") step shank 带台阶齿柄

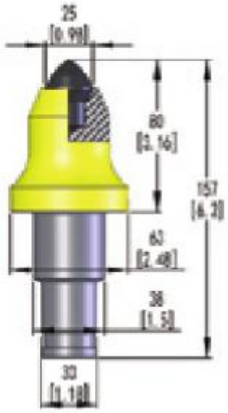
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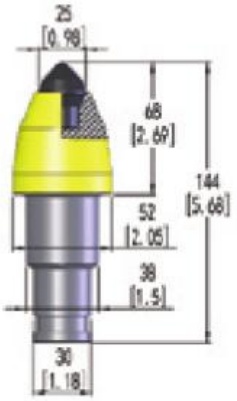
◆JZ80/38-U47/M22-42-3



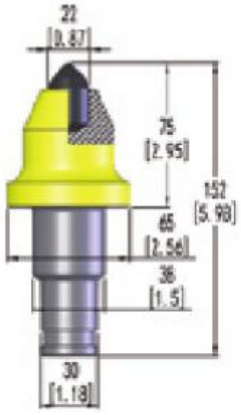
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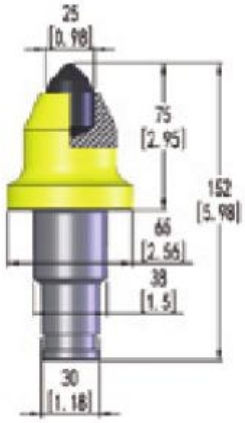
◆JZ68/38-U47/M25-42-3



◆JZ75/38-S160/Z22-42-3



◆JZ75/38-S160/Z25-42-3



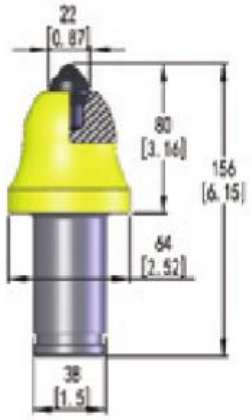




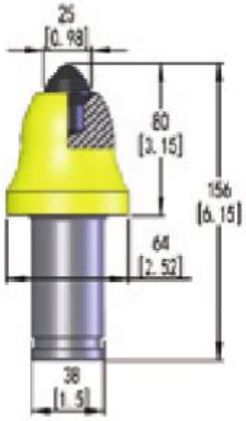
Crusher pick tools 掘进机镐形截齿

38mm(1.5") shank 齿柄

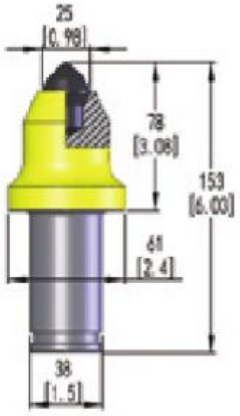
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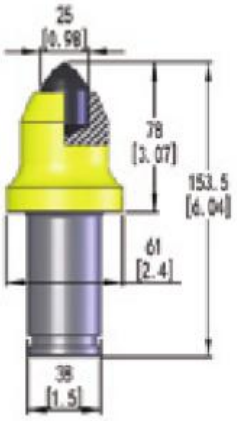
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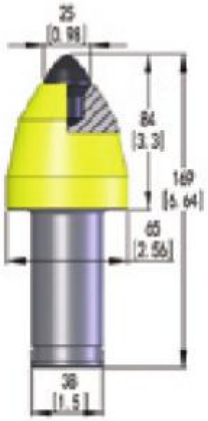
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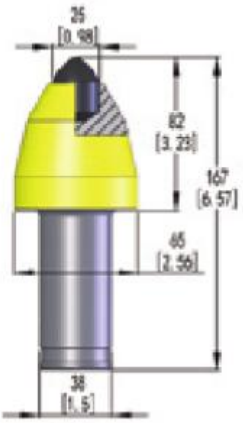
◆JZ78/38-S150/Z25-42-3



◆JZ84/38-JMS260/M25-42-3



◆JZ82/38-JMS260/Z25-42-3



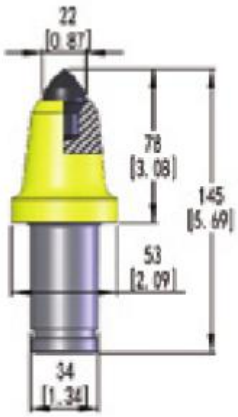




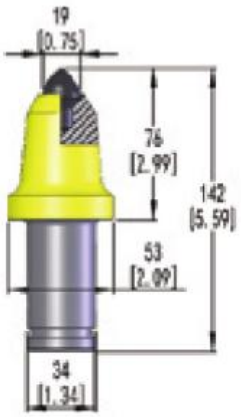
Crusher pick tools 掘进机镐形截齿

34 mm(1.34") shank 齿柄

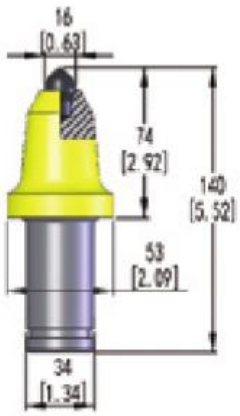
◆JZ78/34-S100/M22-42-3



◆JZ76/34-S100/M19-42-3

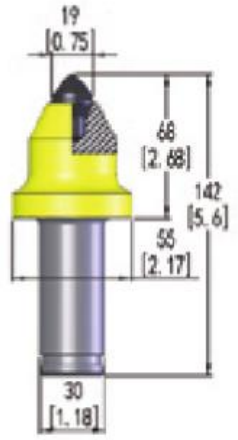


◆JZ74/34-S100/M16-42-3

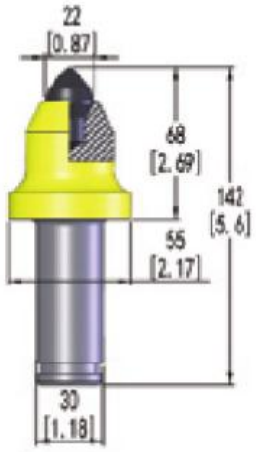


30 mm(1.18") shank 齿柄

◆JZ68/30-U120/M19-42-3



◆JZ68/30-U120/M22-42-3





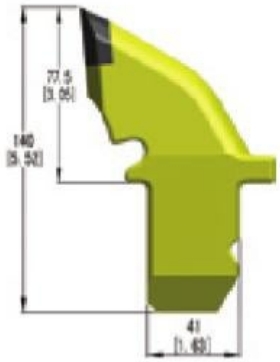




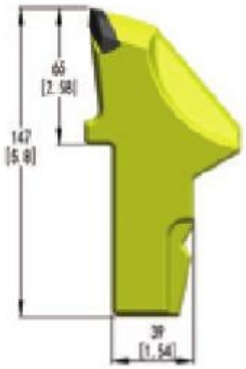
Flats pick tools 采煤机刀形截齿

Flats and Radials 板齿

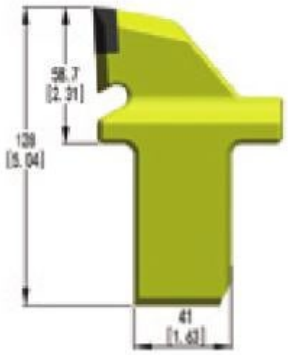
◆JB77/41/25-KR300-42-3



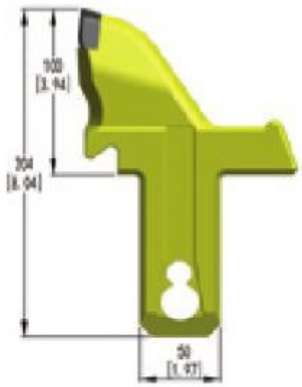
◆JB65/39/25-42-3



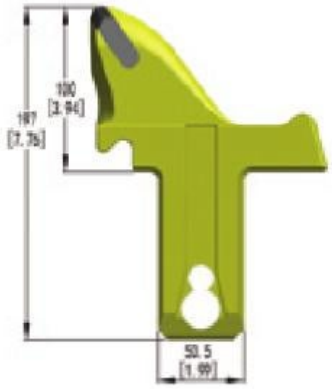
◆JB59/41/25-AM276-42-3



◆JB100/50/30-HDL-42-3



◆JB100/50/30-AUS-42-3



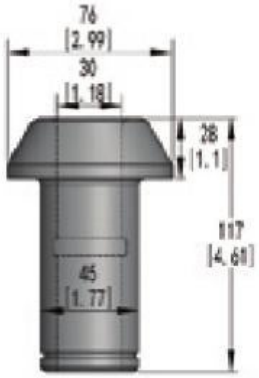




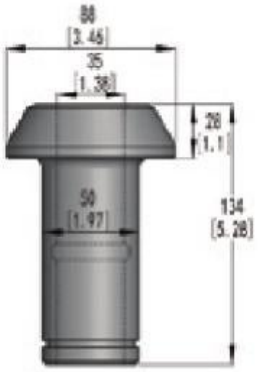
Blocks and Sleeves 齿座和齿套

Blocks and Sleeves 齿座和齿套

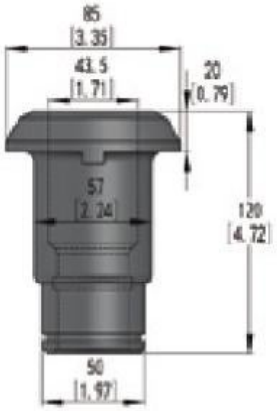
◆U80K177S



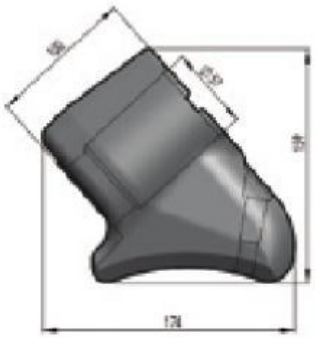
◆U90K225R



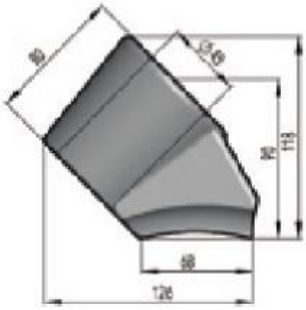
◆U170K225S



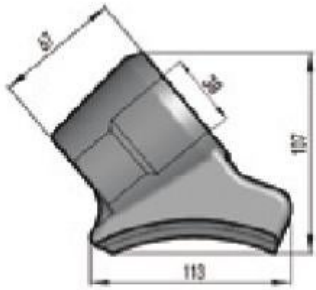
◆K225S



◆K177S



◆U43XHD



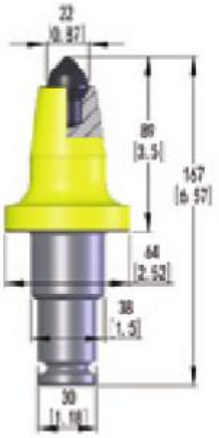




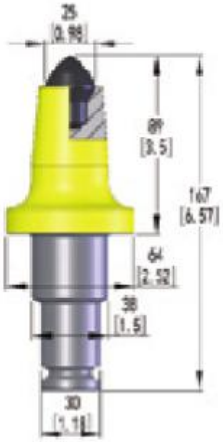
Surface mining tools 表面开采

38mm/30mm(1.5"/1.18") step shank 带台阶齿柄

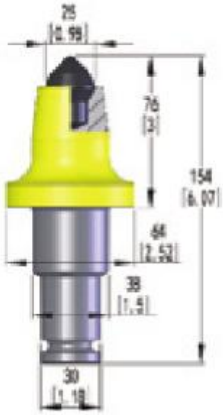
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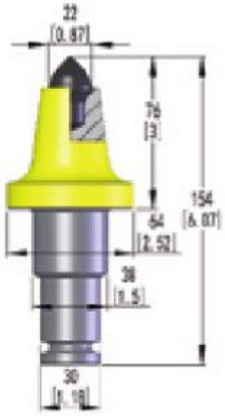
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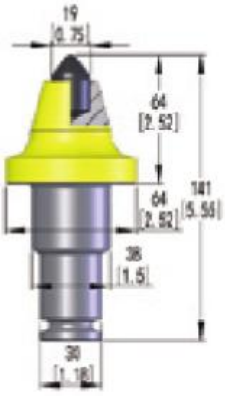
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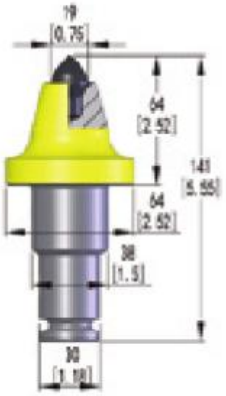
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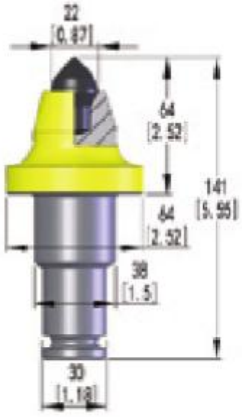
◆JZ64/38-TS5C/Z19-23-3



◆JZ64/38-TS40C/M19-23-3



◆JZ64/38-TS41C/M22-23-3







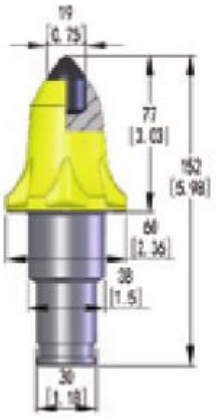
Surface mining tools 表面开采

38mm/30mm(1.5"/1.18") step shank 带台阶齿柄

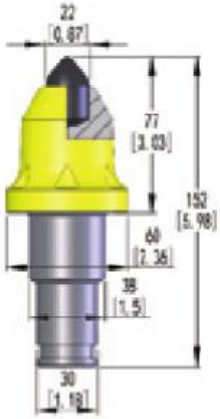
◆JZ77/38-WSM/Z17-23-3



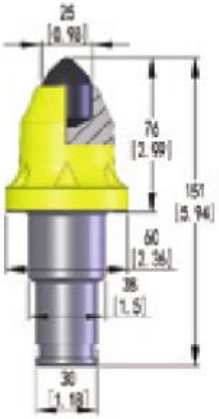
◆JZ77/38-WSM/Z19-23-3



◆JZ77/38-WSM/Z22-23-3



◆JZ77/38-WSM/Z25-23-3



◆JZ77/38-WSMX/Z25-23-3



◆JZ77/38-WSMX/Z25-42N-3

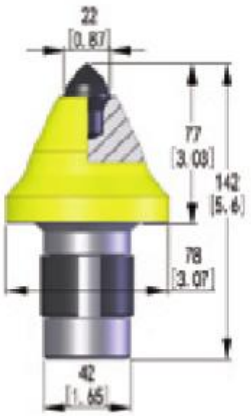




Surface mining tools 表面开采

42mm (1.66") shank 齿柄

◆JZ77/42-WSM/M22-23-3



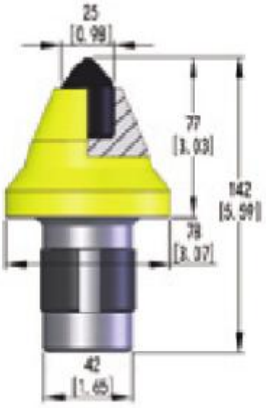
◆JZ77/42-WSM/Z22-23-3



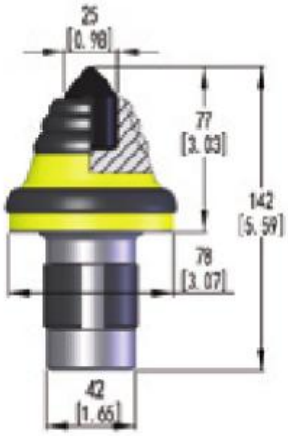
◆JZ77/42-WSM/M25-23-3



◆JZ77/42-WSM/Z25-23-3



◆JZ77/42-WSM/Z25-42N-3





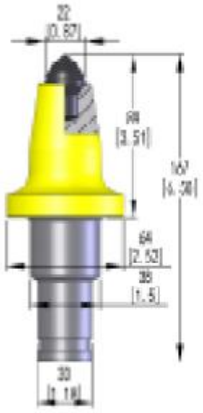




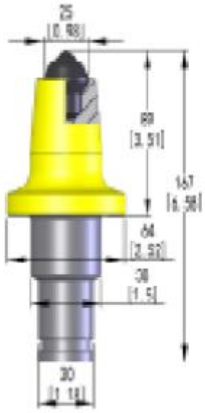
Trenching tools 槽沟刀具

38mm/30mm(1.5"/1.18") step shank 带台阶齿柄

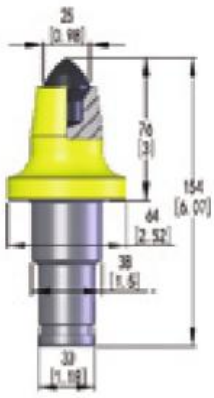
◆JZ89/38-TS36/M22-42-3



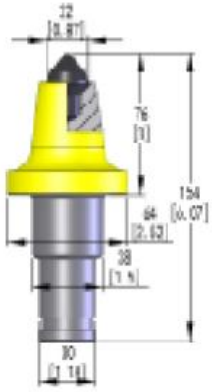
◆JZ89/38-TS37/M25-42-3



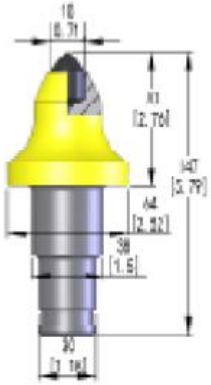
◆JZ76/38-TS30/M25-42-3



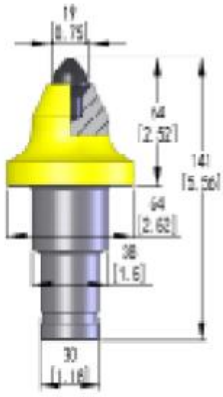
◆JZ76/38-TS32/M22-42-3



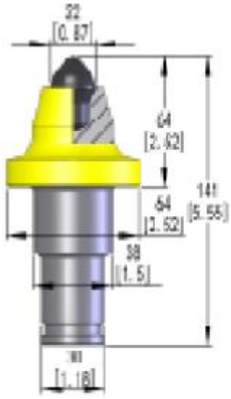
◆JZ70/38-P3DS/Z18-42-3



◆JZ64/38-TS40/M19-42-3



◆JZ64/38-TS41/M22-42-3



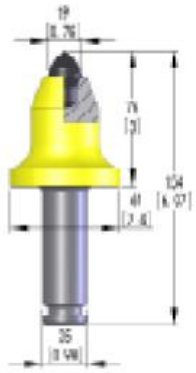




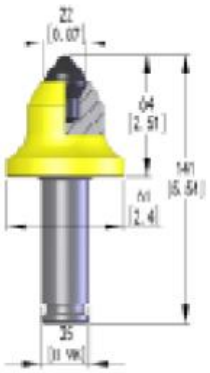
Trenching tools 槽沟刀具

25mm(1")shank 齿柄

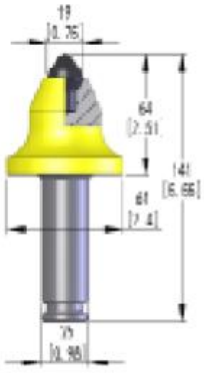
◆JZ76/25-T18/M19-42-3



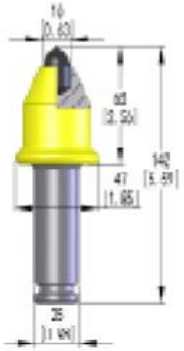
◆JZ64/25-T19/M22-42-3



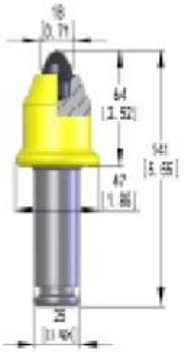
◆JZ64/25-T20/M19-42-3



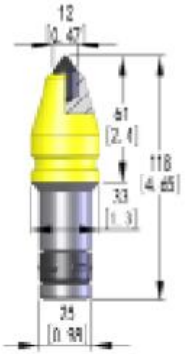
◆JZ65/25-C35R/Z16-42-3



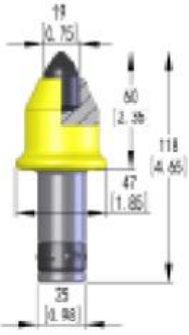
◆Z64/25-C36R/M18-42-3



◆JZ61/25-C31HD/Z12-42-3



◆JZ60/25-C34FSR/Z19-42-3

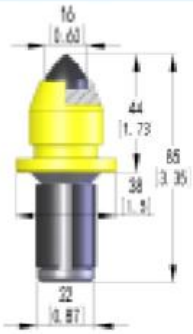




Trenching tools 槽沟刀具

22mm(.87"),20mm(.76"), 19mm(.74"), 11mm(.44")shank 齿柄

◆JZ44/22-SM02/P16-42-3



◆JZ45/22-SL04/Z12-42-3



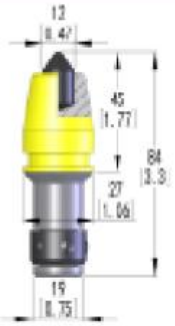
◆JZ44/20-RL10/Z12-42-3



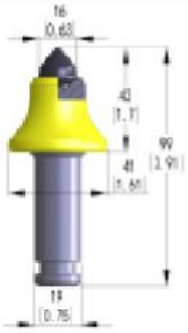
◆JZ45/20-RS17/M16-42-3



◆JZ45/19-C21HD/Z12-42-3



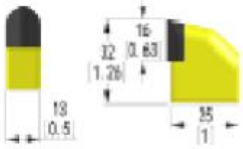
◆JZ43/19-K3LA/C16-42-3



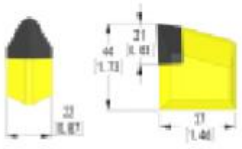
◆JZ27/11-CM42/P16-42-3



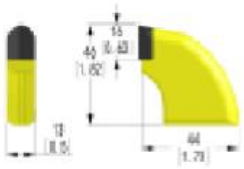
◆RT1



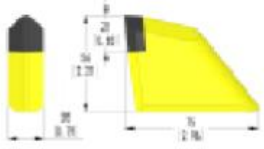
◆RT2



◆DT50



◆DT87



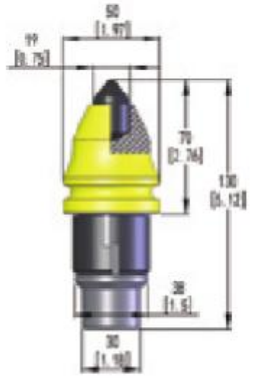




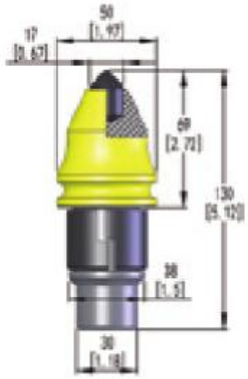
Foundation drilling tools 打桩机钻具

38mm/30mm(1.5"/1.18") step shank 带台阶齿柄

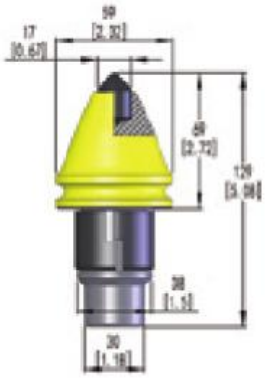
◆JZ70/38-DS01/Z19-42-3



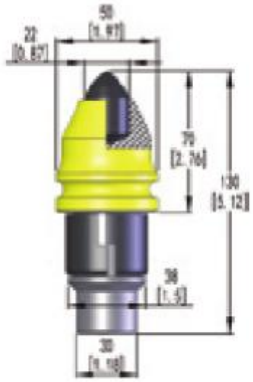
◆JZ70/38-DS04/Z17-42-3



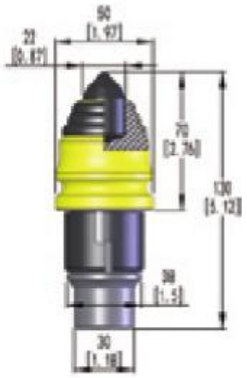
◆JZ70/38-DS04-59/Z17-42-3



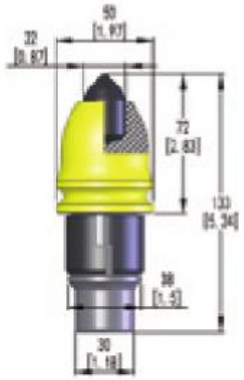
◆JZ70/38-DS05/Z22-42-3



◆JZ70/38-DS05/Z22-42N-3



◆JZ70/38-DS03/Z22-42-3







Foundation drilling tools 打桩机钻具

Cutter teeth 旋挖齿

◆SS42L & SS38M & SS42H



◆SS65T & SS65H



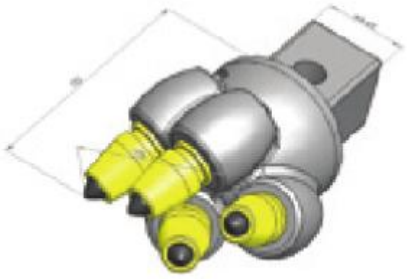
◆SS70T & SS70H



◆SS80L & SS80H



◆Pilot cutter teeth 桩机中心刀





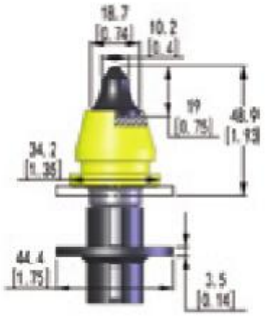




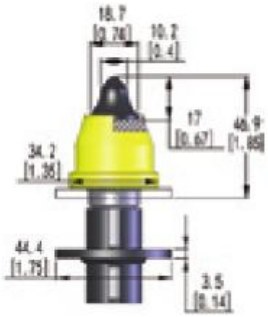
Road milling tools 刨路齿

20mm (.76") shank 齿柄

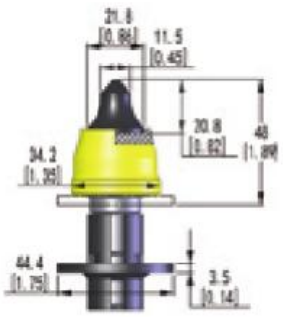
◆JZ49/20-RZ25/P19-23-2



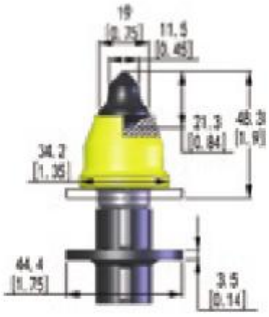
◆JZ47/20-RZ05/P19-23-2



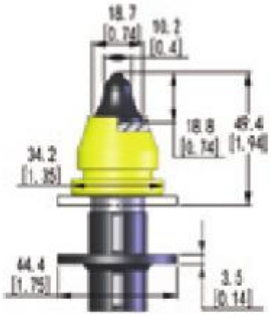
◆JZ48/20-RZ08/P22-23-2



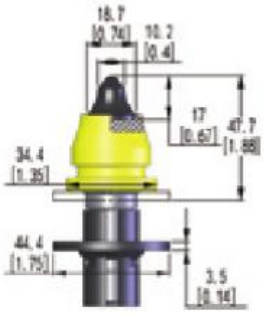
◆JZ48/20-RZ19/C19-23-2



◆JZ49/20-RZ16/P19-23-2



◆JZ48/20-RZ24/P19-23-2

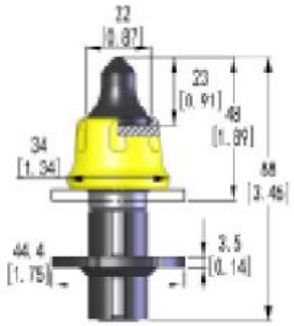




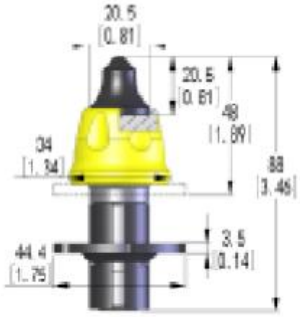
Road milling tools 刨路齿

20mm (.76") shank 齿柄

◆JZ48/20-W8EHR/P22-23-2



◆JZ48/20-W7EHR/P20-23-2



◆JZ48/20-W6EHR/P19-23-2



◆JZ48/20-W5EHR/P17-23-2



◆JZ48/20-W4ER/P16-23-2







Grader blades 平地机刀头

22mm(.87") shank 齿柄

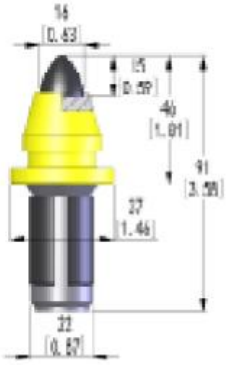
◆JZ44/22-C858/P25-23-2



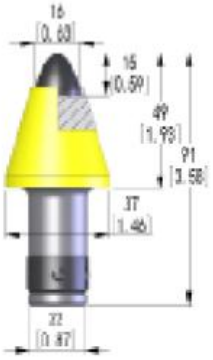
◆JZ44/22-C87/P25-23-2



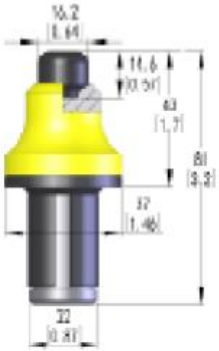
◆JZ46/22-C387/P16-23-2



◆JZ49/22-C87/P16-23-2



◆JZ43/22-K1LW/C16Y-23-2



◆JZ45/22-K1LW/C16-23-2

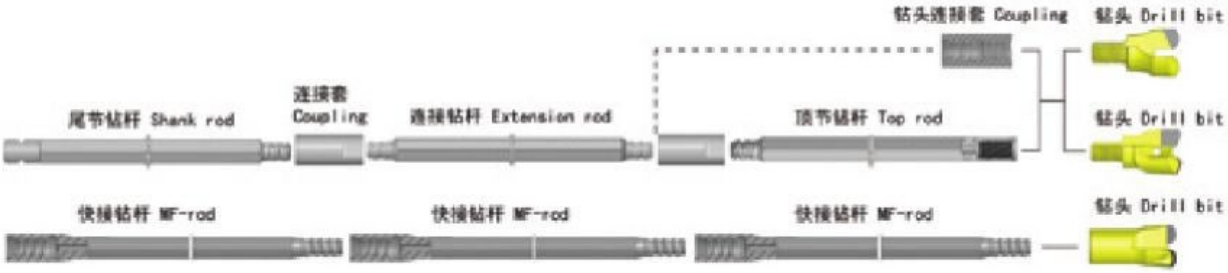






Drilling tools for bolting 锚杆锚索支护钻头、钻杆

H19mm(0.75") drilling tools H19㎜钻具



◆JZTY27/2-1/2



◆ZTY27/2-1/2



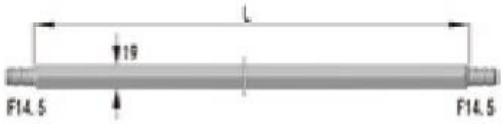
◆ZTY28/2-R16



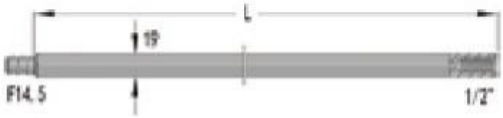
◆ZGH19-D18.7/F14.5-L



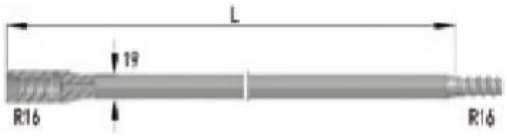
◆ZGH19-F14.5-L



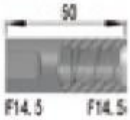
◆ZGH19-F14.5/1/2N-L



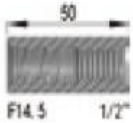
◆ZGH19-R16N/R16-L



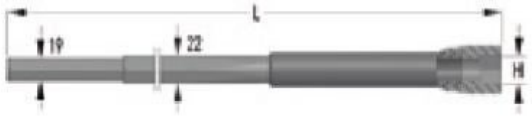
◆LJT-F14.5N-50



◆LJT-F14.5N/1/2N-50



◆MGJH22-H19/H-L

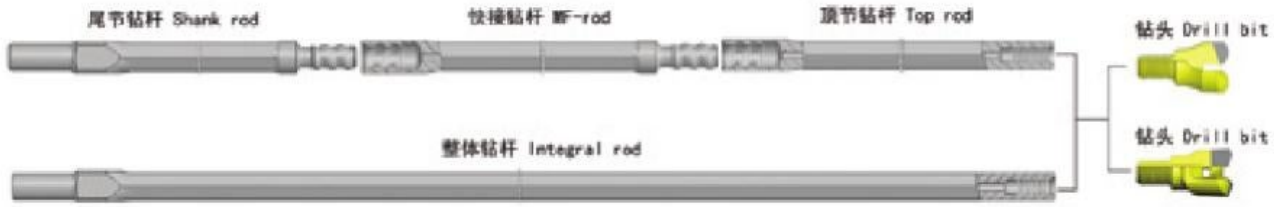


◆MSJ22-H19/D-L



Drilling tools for bolting 锚杆锚索支护钻头、钻杆

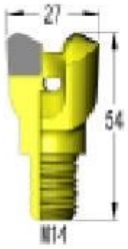
H22mm(0.87") drilling tools H22mm钻具



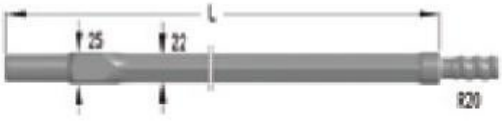
◆JZTY27/2-M14



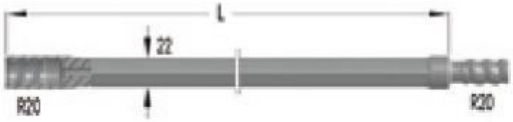
◆ZTY27/2-M14



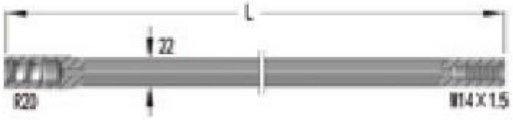
◆ZGH22-F25/R20-L



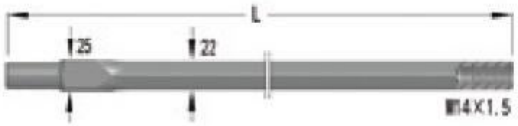
◆ZGH22-R20N/R20-L



◆ZGH22-R20N/M14N-L



◆ZGH22-F25/M14N-L



◆MGJH22-F25/H-L



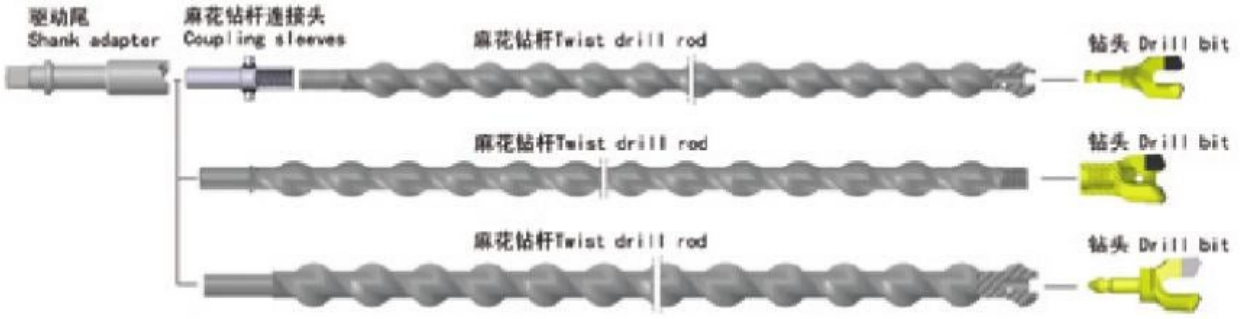
◆MSJH22-F25/D-L





Drilling tools for bolting 锚杆锚索支护钻头、钻杆

Twist drilling tools 麻花钻具



◆ZTY28/2-D8



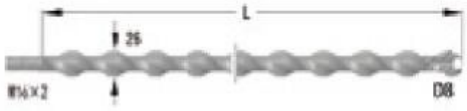
◆ZTY30/2-1/2N



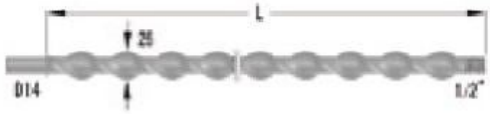
◆ZTY43/2-D12



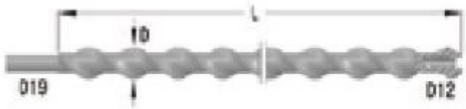
◆MHG26-M16/D8N-L



◆MHG26-D14/1/2-L



◆MHGD-D19/D12N-L

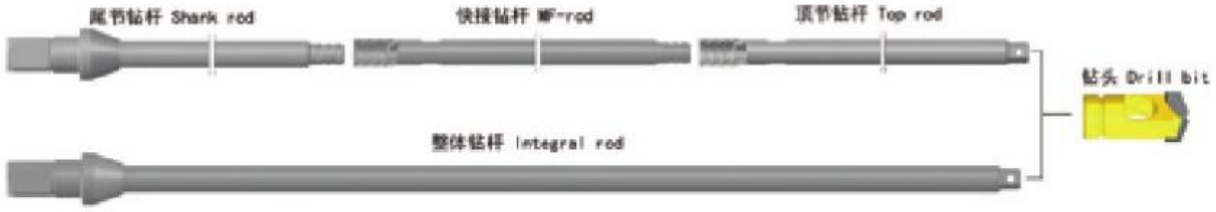


◆JT-D18/M16-110



Drilling tools for bolting 锚杆锚索支护钻头、钻杆

F28mm powder eject in tube drilling 四方连接内排粉钻具



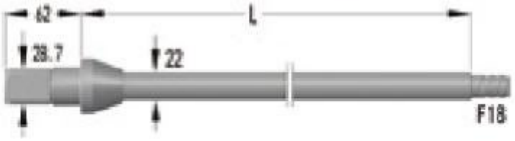
◆QNT27-H16



◆QNT30-H16



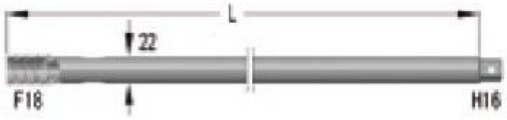
◆QNG22-F28/F18-L



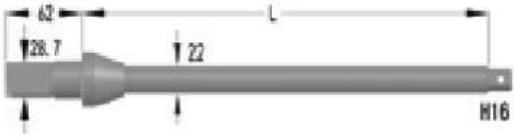
◆QNG22-F18N/F18-L



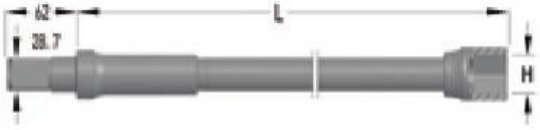
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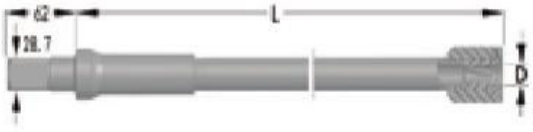
◆QNG22-F28/H16-L



◆MGJ29-F28/H-L



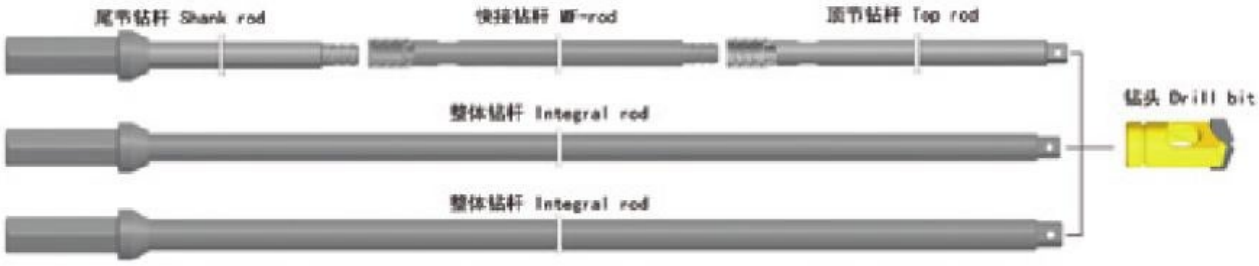
◆MSJ29-F28/D-L





Drilling tools for bolting 锚杆锚索支护钻头、钻杆

H28mm powder eject in tube drilling 六方连接内排粉钻具



◆QNT27-H16



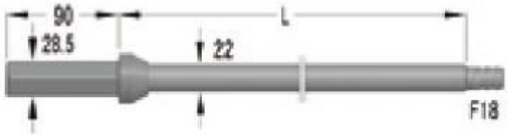
◆QNT30-H16



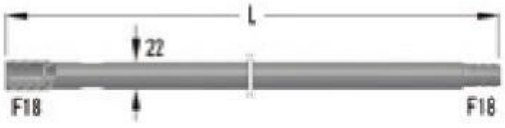
◆QNT35-H22



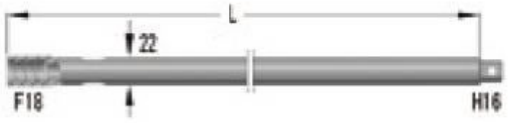
◆QNG22-H28/F18-L



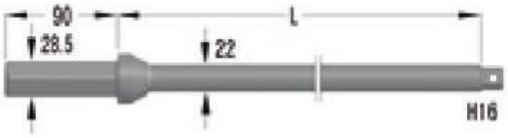
◆QNG22-F18N/F18-L



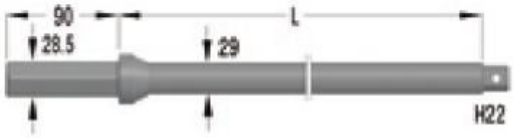
◆QNG22-F18N/H16-L



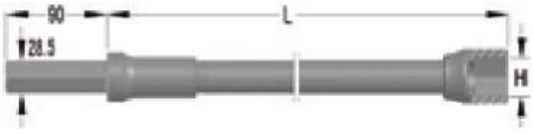
◆QNG22-H28/H16-L



◆QNG29-H28/H22-L



◆MGJ29-H28/H-L

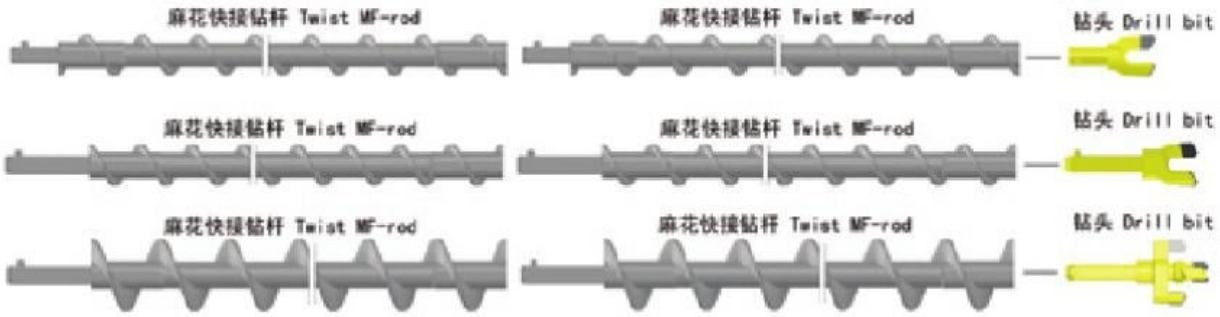


◆MSJ29-H28/D-L



Water and gas exploring drilling 探水、瓦斯钻具

Twist drilling tools 防突麻花钻具



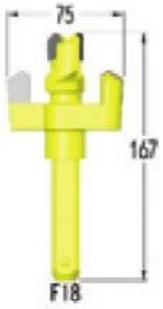
◆ZTY43/2-F14



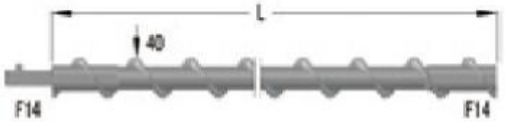
◆ZTY46/2-F18



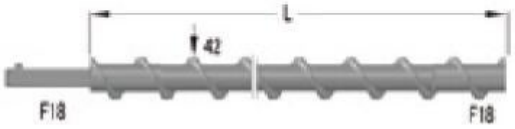
◆ZTY75/4-F18



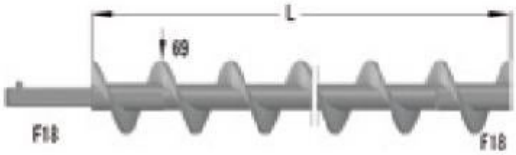
◆MHG40-F14/F14N-L



◆MHG42-F18/F18N-L



◆MHG69-F18/F18N-L





Water and gas exploring drilling 探水、瓦斯钻具

Long-hole drilling tools 深孔钻具



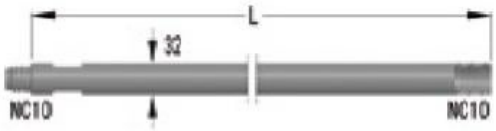
◆JZT-D/T T=Thread螺纹



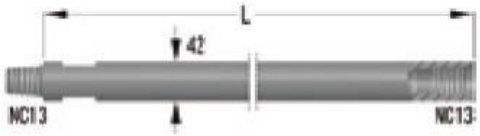
◆JZT-D/T T=Thread螺纹



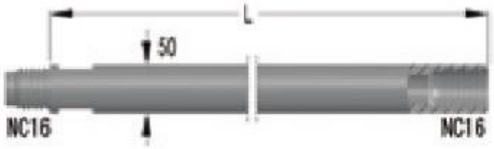
◆TG32-NC10-L



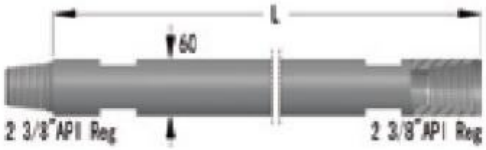
◆TG42-NC13-L



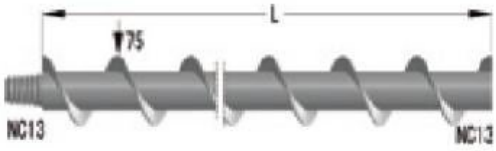
◆TG50-NC16-L



◆TG60-2 3/8"API Reg-L



◆TMHG75-NC13-L



NOTES

NOTES

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Professional manufacturer of cutters and rock tools

SANSHAN Mineral Ground Tools
Product catalogue



SANSHAN
Mineral Ground Tools

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