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GUNRI STANDARD MOLD COMPONENTS

钢锐标准模具零配件

www.gunri.com.cn

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东莞市钢锐精密五金有限公司
DONGGUAN GUNRI PRECISION HARDWARE CO., LTD.



让一流的企业成为我们的客户
Let first-class enterprises to be our customers

让我们的客户成为一流的企业
Make our customers to be first-class enterprises

COMPANY PROFILE

企业简介

东莞市钢锐精密五金有限公司成立于2006年，专业从事高精度模具零配件生产与销售，地处东莞市横沥镇六甲工业区，交通便利。公司占地6000平方米，建筑面积7000平方米，拥有员工200多人。

钢锐凭借高水准、高素质的研发和技术团队，精良的加工设备，精密的检测仪器，完善的质量管理体系（ISO9001:2015 / IATF:16949:2016 质量管理体系认证），物超所值的产品价格和完善的售后服务体系，在广大客户心中树立了“信誉高、品质精、交期快、服务好”的良好企业形象，赢得了新老客户的信赖和支持。并与一些高品质要求的客户保持着长期的合作。

钢锐致力于发展“全球模具零配件标准化”，“让中国的企业能够用上中国人自己的品牌零件”为愿景，力争成为可提供高品质模具零配件的中国制造商。目前，本公司可全面提供符合日标JIS标准、德标DIN标准、美标AISI标准等国际品牌的五金模具、塑胶模具等标准零配件。公司产品已遍布全球：德国、英国、法国、意大利、日本、韩国等20多个国家。同时，钢锐长期为国外模具零配件品牌提供OEM代工。

钢锐主要产品：氮气弹簧、导柱导套、独立导柱、钢球衬套、凸模凹模、顶针司筒、非标零件、矩形弹簧、模座、FA工厂自动化设备用零件等。

钢锐产品服务于：五金冲压模具、塑胶成型模具、半导体封装模具、压铸模具以及航空航天、汽车、机械、机电、电器、电子、医学、文具等多个行业及领域。

钢锐将一直秉承“品质求生存、信誉求发展”的经营理念，热忱欢迎新老朋友莅临指导，携手合作。

Dongguan Gunri Precision Hardware Co., Ltd. was founded in 2006, as a professional manufacturer of high quality precision components for moulds, dies and machines, with about 7000 square meters covered area and over 200 specialized employees.

Due to over 10 years experience, high level R&D team, many imported production equipments and measuring instruments, knowledgeable and helpful customer service, and perfect Quality Management System (passed the ISO9001: 2000 and IATF16949: 2016 quality management system certification) .

GUNRI earning a good corporate image with high quality products, short delivery time, competitive prices and best service. Established a long term cooperation with customers who need high quality.

We strive to the development of standardization for global mould components. Not only can we offer plastic injection, die casting and metal stamping mold components according to international standards, such as, JIS, DIN, AISI. We can also produce as customers, drawings, and provide OEM service for different Brands.

Specializing in the production of gas springs, guide posts and bushings for die sets, stripper guide pins and bushings, holder guide post sets, guide elements, punches and die buttons, ejector pins and sleeves, date mark inserts, mould springs, non-standard core inserts, mold base and other spare parts, our products can be seen in various kinds of industries, including metal stamping, plastic injection, semi-conductor, die casting, electric, automotive, medical, mechanical, aerospace, stationary and so on.

We insist on the principle of "quality for survival, reputation for development" , and always in the pursuit of mutual benefit. If there is any way in which we can serve you needs better, we appreciate your suggestion and advice, and looking forward to cooperating with you.



东莞市钢锐精密五金有限公司秉承诚信、学习、团队、创新的理念
 Dongguan Gunri Precision Hardware Co., Ltd. adheres to the concept of integrity, learning, teamwork and innovation.



诚信 Integrity

使客户满意是钢锐人对客户诚信的表现，使投资者获得稳定收益是钢锐对投资者诚信的表现，使合作伙伴与公司共赢是钢锐对合作伙伴诚信的表现。

Customer satisfaction is GUNRI's integrity to customers, A stable return is GUNRI's integrity to investors, mutual benefit and common development is GUNRI's integrity to partners.

学习 Learning

学习是力量之源，学习科学技术更是企业发展的根本，“邓小平说过科学技术是第一生产力”！唯有通过学习才能使自己更新换代，使能力不断提升。做好本职工作是最好的学习过程；同事、同行的经验是最好的培训教材；自我加压、自我学习是最好的学习方式。钢锐提倡终身学习，鼓励员工为组织积累经验与知识，努力创建学习型组织，不断提高企业竞争能力！

Learning is the source of strength. Learning science and technology is the foundation of enterprise development. "Deng Xiaoping said that science and technology are the primary productive forces!" Only through learning can we upgrade and improve our ability. Doing your job is the best learning process; the experience of colleagues and peers is the best training material; self-pressurization and self-learning are the best ways to learn. Gunri advocates lifelong learning, encourages employees to accumulate experience and knowledge for the organization, and strives to create a learning organization to continuously improve the competitiveness of the enterprise!

团队 Teamwork

钢锐倡导内部协作与配合，营造和谐健康的工作环境。员工不仅要对自己的工作负责，也要对集体的工作负责，对整个企业负责。公司崇尚团队作战，个人的成功只有在团队的成功中才能得到体现，团队的失败就是个人的失败。

GUNRI advocates teamwork and cooperation to create a positive working environment. Employees are not only responsible for their own work, but also for the team and company. GUNRI advocate teamwork, Only unity is the guarantee of victory.

创新 Innovation

创新使钢锐赢得了过去的成就，创新将创造钢锐未来的辉煌。钢锐的创新不仅体现在技术创新、产品创新，也包括管理创新、经营创新、生产创新、服务创新，每个方面，每项工作都要创新。

Innovation has enabled GUNRI to achieve past ,and will create a bright future. GUNRI's innovation is not only reflected in technology and products, but also management, business philosophy, production process and service. Only constantly pioneering and innovating can make us stronger.

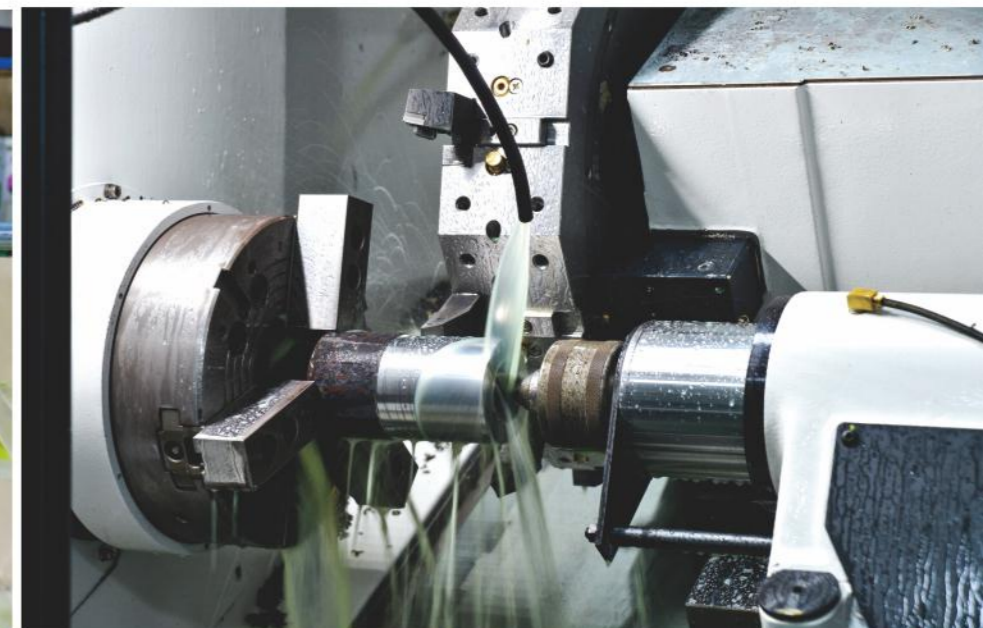




深化质量管理，提高产品质量
Deepen quality management and improve product quality.



精密的产品出自精良的加工设备，
先进的制造技术，精密的检查仪器。
Precision products come from
sophisticated processing equipment.
Advanced manufacturing technology,
sophisticated inspection equipment.



TESTING EQUIPMENT

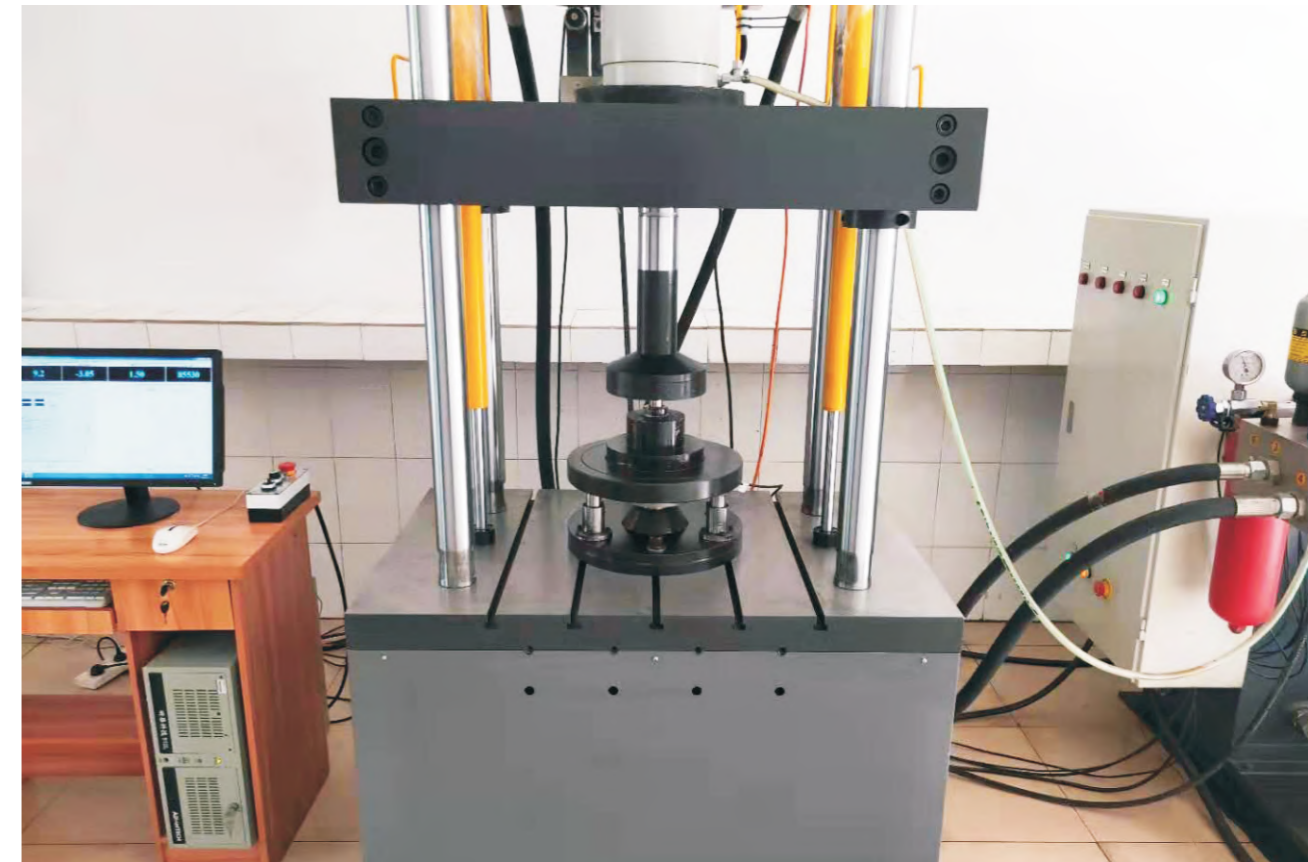
检测仪器

质量方针 / Quality policy

以品质、交期为公司的优势，为顾客提供优质的产品和满意的服务。
质量管理体系：通过ISO9001:2015质量管理体系。

Quality and delivery are the core competencies of GUNRI.

Our aim is to satisfy our customers with good quality and satisfactory service. Passed the standard of quality management system of ISO 9001:2015.



以科技为动力，以质量求生存，
质量是我们钢锐的根本。
Taking science and technology as
the driving force, surviving on quality,
quality is the foundation of GUNRI.



PRESS DIE COMPONENTS

五金模具标准零配件



冲压模具用小零件 PRESS DIE COMPONENTS

- 材质Material: SKD11 硬度Hardness: 60~63HRC
- 材质Material: SKH51 硬度Hardness: 61~64HRC
- 材质Material: SKH40 硬度Hardness: 64~67HRC
- 材质Material: V30 硬度Hardness: 88~90HRA

根据具体使用环境选用合适的材料，加上先进的生产设备和精密的检测仪器，先进的热处理工艺，确保产品质量，从而经久耐用。

Materials should be choosed according to the specific usage. Advanced production equipment and precision measuring instruments ensure that products to be high quality and long lasting.

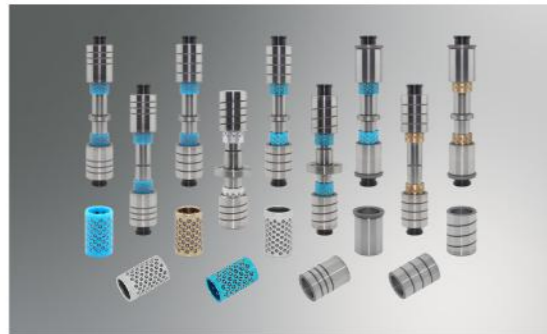


卸料板滑动导柱导套 STRIPPER PLAIN GUIDE POSTS & BUSHINGS

- 材质Material: SUJ2 硬度Hardness: 58HRC~

导柱导套的尺寸公差精度严格控制在0.003mm以内；其韧性、光洁度、耐磨性极佳，可优先选用MoS2及铜合金镶嵌结构的含油导套。耐磨性更好，使用寿命更长。

With excellent toughness, roughness and wear resistance, tolerances of guide posts and guide bushings and strictly controlled within 0.003 mm. Self lubricating bronze plated bushings with graphite (MoS2) are recommended, because of better wear-resistance and longer lifetime.



卸料板高刚性滚珠导柱组件 STRIPPER HIGH-RIGIDITY BALL GUIDE PINS & BUSHINGS

- 材质Material: SUJ2 硬度Hardness: 58HRC~

导柱导套的尺寸公差精度严格控制在0.003mm以内；其韧性、光洁度、耐磨性极佳，配合高刚性钢珠衬套，适用于高速冲压模具产品，使其工作精度高、产品寿命更长。

Tolerances are strictly controlled with in 0.003mm, and their toughness, finish and wear resistance are excellent. While working with high rigidity ball cages, the accuracy is higher and the lifetime will be longer.

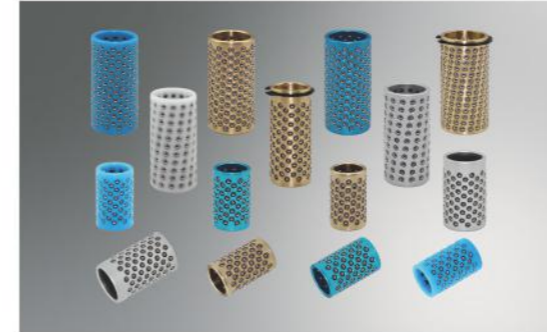


模架用导柱组件 GUIDE POSTS & BUSHINGS FOR DIE SET

- 材质Material: SUJ2 硬度Hardness: 58HRC~

导柱导套的尺寸公差精度严格控制在0.003mm以内；尤其是高刚性导柱组件，钢珠衬套的排列密度是普通钢珠衬套的1.7倍，使得导柱、导套通过钢珠的点接触提高了70%，有效的提高的产品使用寿命。

Tolerances to be controlled within 0.003mm, especially the high rigidity guide posts and bushings, the arrangement of high rigidity ball cages is 1.7 times as dense as the standard ones. The point-contact guide post sets with steel balls has been increased by 70%, which makes the lifetime improved effectively.



钢球衬套（钢珠套） BALL CAGES (BALL RETAINER)

- 材质Material: POM 5052S C3604 球硬度Ball hardness: 62~67HRC
- 钢球衬套（钢珠套）使用超精密钢球，真圆度达到0.00025mm，尤其是高刚性导柱组件，钢球衬套的排列密度是普通钢球衬套的1.7倍，使其显著提高使用寿命，同时采用过盈配合，可实现无间隙装配。

Ball cages are with high precision steel balls, and its sphericity reaches to 0.00025mm. Especially, the high rigidity guide post sets, the arrangement of steel balls is 1.7 times the density of standard ones, which improve the lifetime obviously. Because of the interference fit, the installation can be Zero Clearance.

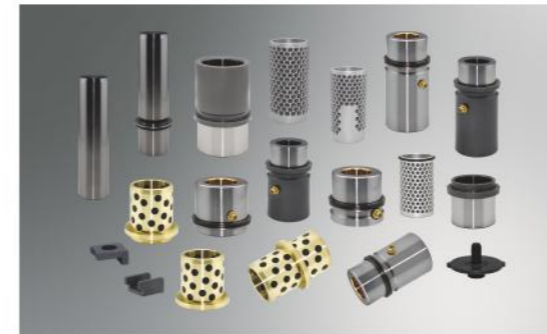


独立导柱组件 HOLDER GUIDE POSTS SETS

- 材质Material: SUJ2 硬度Hardness: 58HRC~

用于精密模具，钢球衬套耐磨性好、精度高，组件使用时，可确保模具较高的导向定位要求。独立座式结构可使模具的安装、调整更灵活方便。

Used for precision molds. High precision and wear resistant ball cages make sure the high requests of molds for guide position while using in combination. The holder type makes it easy to install and adjust molds.



美标汽车模导柱导套 AISI AUTOMOTIVE PINS & BUSHINGS

- 材质Material: SUJ2 硬度Hardness: 58HRC~

根据美标汽车模具标准生产，使之成为高品质汽车模零部件产品，完美替代原装进口产品，方便出口模具上易损零部件的更换组装。

High quality automotive mold components are produced according to the NAAMS(North American Automotive Metric Standards), not only can perfectly replace the original imported ones, it's also convenient for the replacement of spare parts.



德标汽车模导柱导套 DIN AUTOMOTIVE PILLARS & BUSHES

- 材质Material: SUJ2 硬度Hardness: 58HRC~

根据德标汽车模具标准生产，使之成为高品质汽车模零部件产品，完美替代原装进口产品，方便出口模具上易损零部件的更换组装。

High quality automotive mould components are produced according to the DIN Automotive Standards, not only can perfectly replace the original imported ones, but also it's convenient for the replacement of spare parts.

GAS SPRINGS & FLANGES

氮气弹簧及法兰



GUNRI氮气弹簧 GUNRI GAS SPRINGS

与欧洲品牌企业合作，引进先进技术，采用原装进口核心密封件，产品经过严格防爆和疲劳测试，确保产品品质及安全。同时提供协助管路设计及现场安装、售后等全方位服务和技术支持。

Cooperation with European brands, using advanced technology and imported core components. After highly rigorous tests, we ensure quality and safety. Provide design assistance and on-site installation, after-sales service and technical support.



BESTEC氮气弹簧 BESTEC GAS SPRINGS

与知名品牌BESTEC强强合作，保证100%本产品进口，确保产品品质及安全。同时提供协助管路设计及现场安装、售后等全方位服务和技术支持。

Cooperate with BESTEC, Original imported products guarantee quality and safety. Provide design assistance and on-site installation, after-sales service and technical support.



氮气弹簧用法兰 FLANGES FOR GAS SPRINGS

根据客户的需求，提供多种安装方式用法兰，供客户选择。标准规格库存齐全，提供便捷优质的服务。

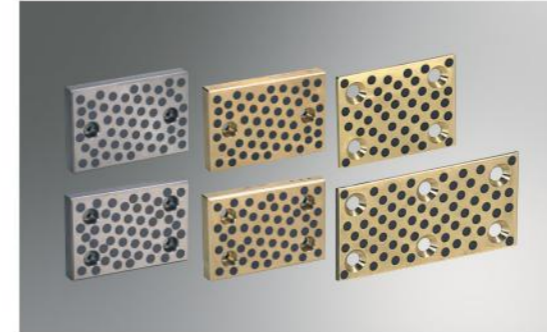
According to the requirements of customers, we provide flanges for various installation methods for customers to choose. The standard specifications are fully stocked and can be customized according to your request.



矩形弹簧 COIL SPRINGS

产品使用寿命可达30~100万次，抗疲劳强度高，耐久性好。质量好，性价比高。

It can be used up to 1 million times, with high anti-fatigue strength, good durability, good quality and high performance price ratio.



自润滑滑板 OIL-FREE SLIDE PLATE

采用高品质高力黄铜，硬度高，加上石墨合理分布，含油量高，有效润滑面积大，确保产品耐磨性及导向效果。

Using high quality copper alloy and reasonable distribution of graphite, our Oil-free Slide Plate has high oil content and large effective lubrication area, which ensures the wearability and guiding effect of products.



固定座 PUNCH RETAINERS

具有强度高，耐久性好，易于安装，互换性好等优点，适用于高强度，生产量大的模具。分为NC加工用和刃口配合加工用。

It has the advantages of high strength, good durability, easy installation, good interchangeability, etc. It is suitable for molds with high strength and large production capacity. Used for NC Machining or Edge-matching Machining.



自动化用微型滚珠组件 MINI BALL BEARING GUIDE COMPONENTS

尺寸公差精度严格控制在0.002mm以内；提供无间隙、超精密、体积更小的微型滚珠组件；产品精度高、工作速度快、使用寿命长。

Provides miniature ball bearing guide sets with no gaps, ultra-precision and smaller size; The maximum precision is to 0.002mm, Make the product have high precision, fast speed and long working life.



自动化用精密导向组件 PRECISION GUIDE COMPONENTS FOR FA

尺寸公差精度严格控制在0.003mm以内；其韧性、光洁度、耐磨性极佳，配合高刚性钢珠衬套，适用于实现自动化设备无间隙装配；产品精度高、工作速度快、使用寿命长。

The maximum precision is to 0.003mm, These kinds of products have high hardness, well toughness, optimum wearability and extremely good surface finish. It is more suitable for the precision FA equipment.

PLASTIC MOLD COMPONENTS

塑胶模具标准零配件



顶针 EJECTOR PINS

- M 材质Material: SKD61
 H 表面硬度Surface hardness: 900HV~
 H 基体硬度Base material: 40~45HRC
- M 材质Material: SKH51
 H 硬度Hardness: 58~62HRC

最小加工直径为0.2mm; 最大精度为0.002mm。这些产品具有高硬度, 韧性好, 抗磨顺, 耐高温, 因此更适用于精密模具, 大大提高了模具的使用寿命。

The minimum available shaft diameter is 0.2mm; The maximum precision is to 0.002mm. These kinds of products have high hardness, well toughness, optimum wearability and heat-resistant ability, therefore, it is more suitable for the precision moulds, which greatly enhance the lifespan of the mould.



扁顶针 FLAT EJECTORS

- M 材质Material: SKD61
 H 表面硬度Surface hardness: 900HV~
 H 基体硬度Base material: 40~45HRC
- M 材质Material: SKH51
 H 硬度Hardness: 58~62HRC

工件在热处理后经磨削加工而成, 保证了产品内部结构的稳定性, 在模具工作中, 不易变形, 不易折断。

The working rectangular part is grounded after heat treatment, which could guarantee the stability of inner structure of the products and achieve high straightness and optimum toughness during the mold working.



司筒 EJECTOR SLEEVES

- M 材质Material: SKD61
 H 表面硬度Surface hardness: 900HV~
 H 基体硬度Base material: 40~45HRC
- M 材质Material: SKH51
 H 硬度Hardness: 58~62HRC

此类产品的内孔经过精密磨削和严格的同轴控制加工, 可以保证与顶针或型芯较高的配合精度和互换性。

The working part of those kinds of products is processed though precision grinding and strict coaxiality controlled, which could guarantee high fit precision and exchangeability combined with the ejector pins or core pins.



型芯、镶针 CORE PINS

- M 材质Material: SKD61
 H 表面硬度Surface hardness: 900HV~
 H 基体硬度Base material: 40~45HRC
- M 材质Material: SKH51
 H 硬度Hardness: 58~62HRC

最小加工直径为0.2mm; 最大精度为0.002mm。先端按照要求加工。

The minimum available shaft diameter is 0.2mm; The maximum precision is to 0.002mm. Tip could be processed based on customers' requirements.



日期章 DATE STAMPS

- M 材质Material: SUS420
 H 硬度Hardness: 48~54HRC

日期章的内部结构分为: 波珠结构、弹簧结构、螺丝结构、换芯结构、使用时无台阶结构等。产品经表面处理, 产品表面有较高硬度, 抗磨损, 耐腐蚀。内部硬度较低, 韧性特别好, 适用于高温作业环境的模具。

The internal structure of the date stamps is divided into: Ball plunger structure, spring structure, screw structure, core changing structure, no step structure when used, etc. After surface treatment, the surface of the pins has high hardness, wearability and erodes wearing. With low inner hardness and perfect toughness, it is suitable for the mould which work in high temperature.



限位/定位组件 POSITIONING COMPONENTS

- M 材质Material: SKD11
 H 硬度Hardness: 58~62HRC
- M 材质Material: SCM415
 H 硬度Hardness: 58~62HRC

此类产品由上下两组定位块组成, 精准锁定模块与模板之间的位置, 适用于精密模具的定位。

Positioning components consist of two sets of positioning blocks, Precisely lock the position between the module and the template, suitable for positioning of precision molds.



浇口套/定位环 RING SPRUE BUSHINGS/LOCATING RINGS

- M 材质Material: SKD11
 H 硬度Hardness: 58~62HRC
- M 材质Material: SKD61
 H 硬度Hardness: 48~52HRC

浇口衬套和定位环采用进口优质钢材, 锥孔经过精密研磨而成, 脱模性能优良, 先端可根据客户需求加工成各种形状及分流结构。

Sprue bushings & Locating Rings are made by hot working mold steels, with precise grinding tapered hole and optimum mold release ability. We could process various of shapes on the tip according to customer's request.



塑胶模用导柱导套 GUIDE POSTS AND BUSHINGS FOR PLASTIC MOLD

- M 材质Material: SUJ2
 H 硬度Hardness: 58HRC~

采用优质的SUJ2材料, 调质高频热处理工艺, 尺寸控制在0.005mm以内; 其韧性、光洁度、耐磨性极佳, 适用于精密塑胶模具。

Use of high-quality materials, high frequency processing, tolerance strictly controlled within 0.005MM. Toughness, smoothness, wear resistance are very good, very suitable for precision plastic mold.