

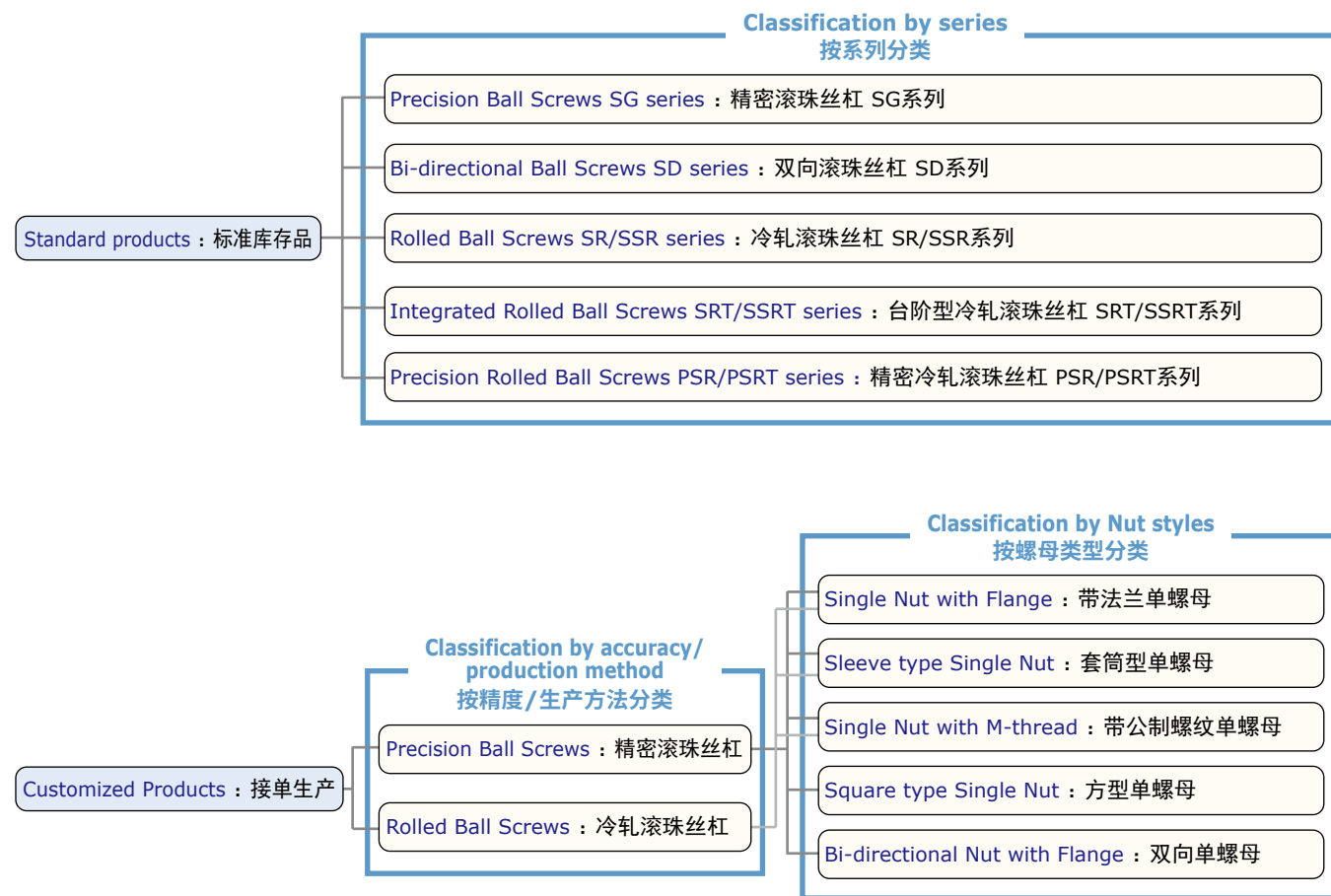
# 滚珠丝杠篇 Ball Screws

## 序言 Outline

自1978年开始生产、销售滚珠丝杠以来,作为微型滚珠丝杠行业的先锋,本公司一直积极致力于各种产品的开发。此外,本公司还致力于使用了滚珠丝杠的成套产品的开发,将迄今为止开发的产品整合到了一本产品目录中。

### ●KSS滚珠丝杠的分类

为了让您进一步深入了解KSS滚珠丝杠,以下对本公司滚珠丝杠的种类和分类进行了说明。



图A-11 : 滚珠丝杠的分类  
Fig. A-11 : Classification of KSS Ball Screws

### ●标准库存品

为满足客户要求,实现短期交货,本公司备有特定型号的标准库存品。轴端形状实现了标准化,可有效缩减客户的设计时间。此外,凭借本公司独有的追加加工技术,可对轴端进行高精度加工。如图A-11所示,标准库存品种类繁多,精密滚珠丝杠、冷轧滚珠丝杠均可从中选择。

Since KSS started production and sales of Ball Screw in 1978, we have been working on product development as a pioneer of Miniature Ball Screws. In addition, we developed Unit Products related Ball Screw. At this time, we have combined developed products until now into one catalogue for more usability.

### ●Classification of KSS Ball Screws

For better understanding of KSS Ball Screws, kinds and classification of KSS Ball Screws are as follows.

### ●Standard Products

To meet customer's request of quick delivery, KSS has specified model type in stock. The end-journal configuration is standardized and it is possible to reduce numbers of design process by customer. Moreover, since we have end machining knowhow, high accurate end machining is possible. Standard products can be chosen from many kinds of Precision Ball Screws and Rolled Ball Screws shown in Fig. A-11.

### ●接单生产

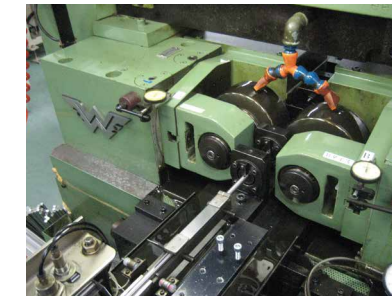
对于标准库存品以外的型号,本公司承接各种接单生产。为减少客户在设计方面花费的时间,螺母尺寸按照图A-11所示的螺母类型,实现了不同型号尺寸的标准化。对于非标准化的型号、形状、尺寸,如果您有需求,可随时咨询洽谈。此外,本公司还提供不锈钢、特殊材料的产品及表面处理等,欢迎垂询。

### ●精密滚珠丝杠和冷轧滚珠丝杠

本公司的滚珠丝杠生产工序因客户的精度要求而异。大体可分为采用研磨加工制成的高精度精密滚珠丝杠和采用滚丝模形成螺纹槽的冷轧滚珠丝杠。C5以上精度等级的滚珠丝杠一般采用研磨加工(精密滚珠丝杠),C7、C10级的滚珠丝杠则采用冷轧加工。对于无滚丝模(冷轧加工模具)的型号,也可采用研磨加工生产C7、C10级产品。



通过螺纹磨床进行的高精度螺纹槽加工  
High accurate shaft groove process by Grinding machine



通过滚丝模进行的冷轧加工  
Rolling process by Rolling dies

### ●质量和环保活动 Approach of quality and environment

KSS滚珠丝杠包括设计、制造在内,通过了ISO-9001认证,并具备完善的出厂检查、可追溯性等质量管理体系,可放心使用。

KSS Ball Screws including design, production are qualified by ISO-9001. Since quality management system such as shipping inspection, traceability is organized, KSS products can be used with safety.

在环境方面,本公司不仅通过了ISO-14001认证,还积极使用符合RoHS指令的零件,致力于环保型设计和削减CO<sub>2</sub>排量。

For environmental side, KSS is qualified by ISO-14001. We make an effort to reduce CO<sub>2</sub> and take care of environmentally friendly design by using parts, which conform to RoHs regulation.

### ●出口管理

本公司的产品、技术出口均以遵守外汇法、外贸法及其他相关法令为基本方针。因此,若使用目的为军事用途(大规模杀伤武器、武器与兵器相关领域),除部分国家外,本公司谢绝出口产品。关于本公司产品是否属于出口管理法中管制物品清单的管制对象,请登录KSS网站查看。

<http://www.kssballscrew.com/cn/index.htm>

此外,希望获取KSS受管与否判断资料时,请在KSS网站上填写受管与否判断委托书后与本公司联系。

### ●Customized products

Products other than standardized model are customized products. To reduce numbers of design process by customer, dimensions of each model are standardized as Nut type shown in Fig. A-11. Please consult KSS if you need products which are not standardized model, configuration, dimension are requested.

Please also inquire KSS when stainless steel products, special material, surface treatment are needed.

### ●Precision Ball Screws and Rolled Ball Screws

Production procedures vary by accuracy requested from customers. Precision Ball Screws with high accuracy by Grinding process and Rolled Ball Screws with formed groove by Rolling dies(Tooling for Rolling process) can be classified.

Generally, C5 or higher grade is manufactured by Grinding process and accuracy of C7, C10 are manufactured by Rolling process. It is also possible to produce C7, C10 by Grinding when Rolling dies do not exist.

### ●Export administration

Our policy is to comply with Foreign Exchange, Foreign Trade Act, and other related laws when KSS products and technologies are exported. Therefore if the purpose of using our products is military use (weapon of mass destruction, things related with arms), we decline to export our products except specific country. Please refer to KSS homepage regarding list regulation by Export administration.

<http://www.kssballscrew.com>