

Ball Screws

Outline

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.

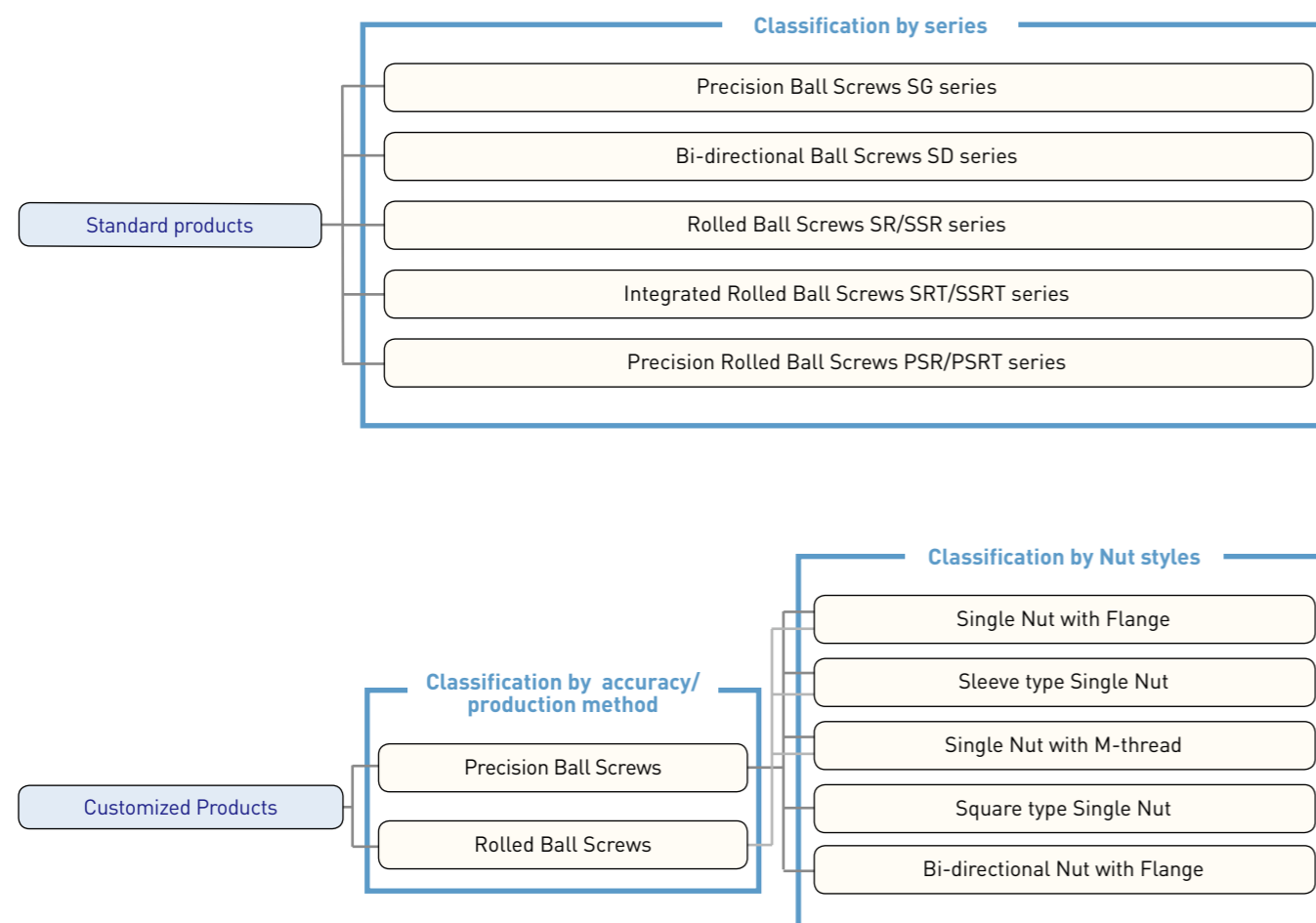


Fig. A-11 : Classification of KSS Ball Screws

● 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.

● Customized products

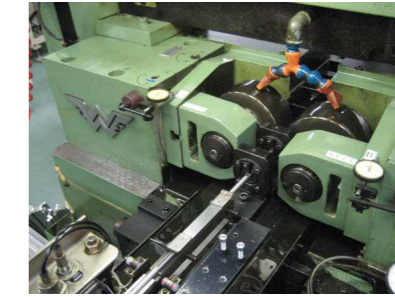
Products other than standardized model are customized products. To reduce numbers of design process by customer, dimensions of each model are standardized as Nut type shown in Fig. A-11. Please consult KSS if you need products which are not standardized model, configuration, dimension are requested.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



High accurate shaft groove process by Grinding machine



Rolling process by Rolling dies

● Approach of quality and environment



JQA-QM4131
Ojiya Plant

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.



JQA-EM4583
Ojiya Plant

For environmental side, KSS is qualified by ISO-14001. We make an effort to reduce CO₂ and take care of environmentally friendly design by using parts, which conform to RoHs regulation.

● 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>