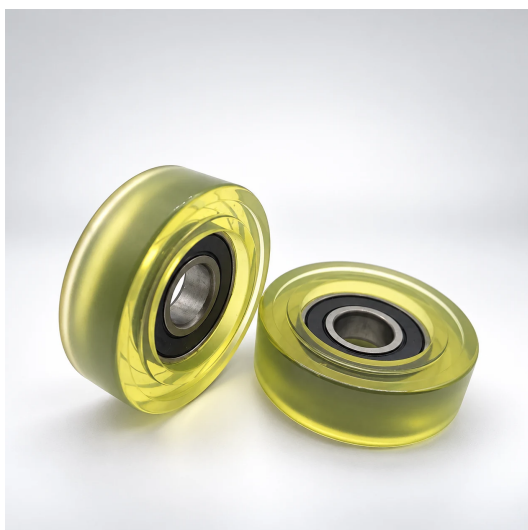


Product selection guide

Prepare a production discussion around the outer material, bearing core and finished dimensions.

Soft elastomers



Rubber coated bearings

A bearing core with a soft elastomer outer layer. Discuss material grade and hardness around grip, cushioning and the contact conditions.

PU / NR / EPDM / VMQ / CR / FKM

Rigid plastics



Plastic coated bearings

A bearing core combined with a rigid plastic outer layer. Start with the outer profile, stiffness and dimensional fit.

POM / PA / PA+GF / PE / PP / PTFE

Finished models and specifications need drawing review. Undecided details can be discussed with our team.

SuTeWeibearing

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Outer materials

Keep the outer material and bearing core separate when discussing a production configuration.

Rubber coated bearings

Soft elastomers

PU · polyurethane

Confirm the elastomer grade, target hardness, contact surface and coating thickness.

NR · natural rubber

Confirm the compound, target hardness, contact needs and operating environment.

EPDM rubber

Review the compound, temperature, contact media and environment.

VMQ · silicone rubber

Confirm the specific grade, temperature and contact requirements.

CR · chloroprene rubber

Review the compound, hardness, contact media and conditions.

FKM · fluoroelastomer

Confirm the grade, temperature, contact media and production process.

Plastic coated bearings

Rigid plastics

POM · acetal

Confirm the grade, outer profile, dimensions and mounting fit.

PA · nylon

Confirm the nylon grade, humidity, temperature and dimensional needs.

PA+GF · glass-filled nylon

Confirm the nylon base, glass content, structure and surface requirements.

PE · HDPE / UHMWPE

Specify the grade and review forming, machining and assembly.

PP · polypropylene

Confirm the grade, profile, temperature and mounting requirements.

PTFE · polytetrafluoroethylene

Confirm the grade, dimensions, machining and assembly.

These material families are offered for SUTEWEI product discussions. The elastomer and rigid-plastic groups describe the intended surface; actual hardness depends on the grade, compound and measurement. Confirm the grade, reinforcement, colour and process. Each material and bearing combination needs its own review.

Bearing cores & inquiry preparation

Deep groove ball bearing families include miniature, 6000, 6200 and 6300 series. The table gives representative size references for the bare bearing core, not the finished coated component.

Miniature series

Compact mechanisms and limited installation space

6000 series

Light conveying requirements

6200 series

Medium-duty requirements · core range

6300 series

Higher-duty and castor requirements

Series and application directions are an initial guide. Load, speed and service life must be checked for the actual model, size and conditions.

Bearing	Bore d	Outside D	Width B	Catalogue
607	7	19	6	SKF
608	8	22	7	NSK
6000	10	26	8	NSK
6001	12	28	8	NSK
6200	10	30	9	NSK
6201	12	32	10	NSK
6300	10	35	11	NSK
6301	12	37	12	NSK

d × D × B / mm. Representative bearing dimensions: public NSK and SKF catalogues, used for size reference only; this does not specify a supply brand.

What to prepare for an inquiry

- 01 Product family, material grade and target hardness
- 02 Bearing core, finished outside diameter / width / bore
- 03 Drawing or photo, quantity, load / speed / environment

Confirm material grade, bearing reference, finished dimensions, coating thickness, seals, clearance, forming, machining and assembly against the drawing. Materials and bearing references are not freely interchangeable.

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