



BOR

Inclined bolts for KOCU-S

Stepping forward together with our customers

For more than 50 years, **SANKYO OILLESS** has been one of the leading manufacturers of maintenance-free sliding elements. As a leading supplier and pioneer in the production of stamping and press tool components for the automotive industry, **SANKYO OILLESS** supplies an products for many other applications such as mold making, engineering, packaging, heavy industry, aerospace and many more.

The technologies developed by **SANKYO OILLESS** have reduced or eliminated friction, wear and tear. In addition, **SANKYO OILLESS** provides services and quality products to offer you the best possible solutions for your requirements at all times.

The benefits of slide bearings versus roller bearings

In a variety of applications, designers are increasingly replacing roller bearings with slide bearings. In addition to ease of installation and cost effectiveness, slide bearings offer a number of distinct advantages. Slide bearings require less installation space, have a larger load bearing capacity, are maintenance-free or require little maintenance, are easier to assemble and are less susceptible to noise and vibration.

The following list gives an overview of the general advantages of bearings compared to bearings.

Slide bearing

- Higher load bearing capacity and reduced footprint
- Higher resistance to vibration and increased lifetime
- Easier installation
- Lower installation costs
- Increased shaft tolerances possible
- Compensates misalignment and reduces the edge load

Roller bearing

- sensitive to shock, vibration and edge load
- high costs for bearings, housings, counterfaces and - fixing materials
- large space required
- is prone to noise development

Technologies for top performance

SANKYO products are manufactured in our own plants and distributed worldwide.

We offer high quality maintenance-free sliding elements acc. to international standards and standards for use in

- pressing tools
- injection molds
- general engineering

As an experienced specialist, we have the appropriate know-how in tribology to always offer the best solutions for your needs. We supply a large portfolio of lubrication-free sliding elements and also offer custom products acc. to customer drawing.

Quality and performance are our constant commitment!

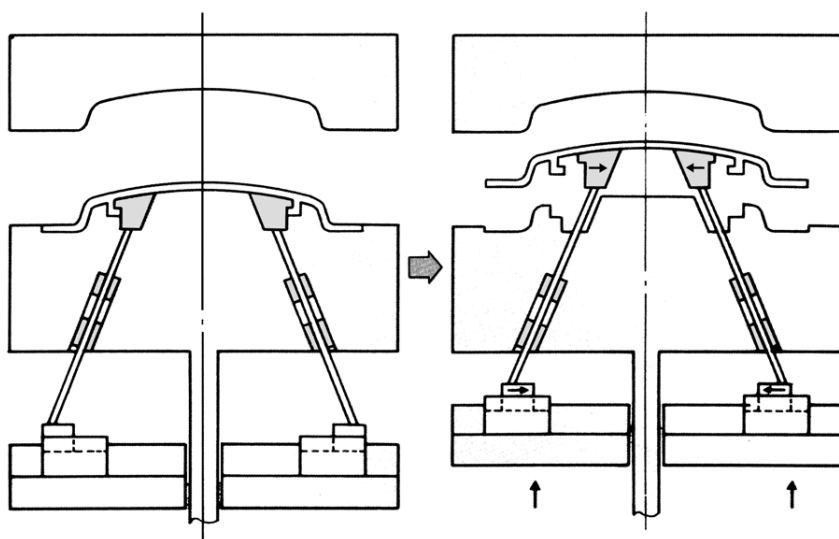
KOCU-Ejector core unit

Maintenance-free inclined core units for easy removing of moldings with undercuts.

All inclined ejector core units are self-lubricating till 300°C. The shaft is fixed with screws and dowel pins or clamping between ejector plates.

					
Model	KOCU-S	KOCU-K	KOCU-KE	KOCU-F	KOCU-M
Diameter	Ø8 - Ø45mm	Ø12 - Ø45mm	Ø16 - Ø30mm	Ø8 - Ø40mm	Ø16 - Ø40mm
Working angle	max. 30°	max. 20°	max. 30°	max. 30°	max. 30°
Feature	Variant with double width	with twin wall pin for directing cooling of the slide core	cooling water connections inside the mould	inclined slideway (0° - 20°)	inclined slideway (0° - 20°) with adjustment screw

Application example

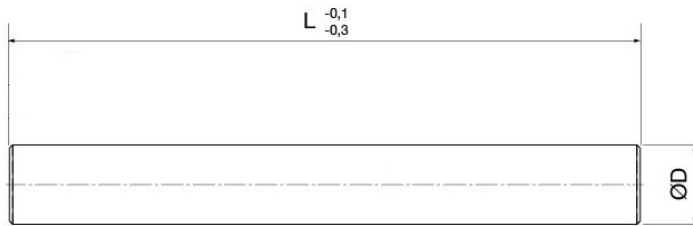


BOR - Inclined bolts for KOCU-S



Article informationen

Properties:



Base material	1.1213 (Cf53) induction hardened
	1.4034 (X40Cr13) induction hardened, stainless steel

Article no.:	Article name:	Outer Ø D:	Length L:	Tolerance:	Base material:		
2600300081000	BOR 8h6-1000-1.1213	8	1000	h6	1.1213		
2600470081000	BOR 8h6-1000-1.4034				1.4034		
260030081000G	BOR 8g6-1000-1.1213			g6	1.1213		
260047081000G	BOR 8g6-1000-1.4034				1.4034		
260030101000	BOR 10h6-1000-1.1213	10		1000	h6	1.1213	
2600470101000	BOR 10h6-1000-1.4034					1.4034	
260030101000G	BOR 10g6-1000-1.1213				g6	1.1213	
260047101000G	BOR 10g6-1000-1.4034					1.4034	
260030121000	BOR 12h6-1000-1.1213	12			1000	h6	1.1213
2600470121000	BOR 12h6-1000-1.4034						1.4034
260030121000G	BOR 12g6-1000-1.1213					g6	1.1213
260047121000G	BOR 12g6-1000-1.4034						1.4034
260030161500	BOR 16h6-1500-1.1213	16	1500			h6	1.1213
260047161500	BOR 16h6-1500-1.4034						1.4034
260030161500G	BOR 16g6-1500-1.1213					g6	1.1213
260047161500G	BOR 16g6-1500-1.4034						1.4034
260030201500	BOR 20h6-1500-1.1213	20		1500		h6	1.1213
260047201500	BOR 20h6-1500-1.4034						1.4034
260030201500G	BOR 20g6-1500-1.1213					g6	1.1213
260047201500G	BOR 20g6-1500-1.4034						1.4034
260030251500	BOR 25h6-1500-1.1213	25			1500	h6	1.1213
260047251500	BOR 25h6-1500-1.4034						1.4034
260030251500G	BOR 25g6-1500-1.1213					g6	1.1213
260047251500G	BOR 25g6-1500-1.4034						1.4034

Article no.:	Article name:	Outer Ø D:	Length L:	Tolerance:	Base material:
260030302000	BOR 30h6-2000-1.1213	30	2000	h6	1.1213
260047302000	BOR 30h6-2000-1.4034				1.4034
260030302000G	BOR 30g6-2000-1.1213			g6	1.1213
260047302000G	BOR 30g6-2000-1.4034				1.4034
260030352000	BOR 35h6-2000-1.1213	35		h6	1.1213
260047352000	BOR 35h6-2000-1.4034				1.4034
260030352000G	BOR 35g6-2000-1.1213			g6	1.1213
260047352000G	BOR 35g6-2000-1.4034				1.4034
260030402000	BOR 40h6-2000-1.1213	40		h6	1.1213
260047402000	BOR 40h6-2000-1.4034				1.4034
260030402000G	BOR 40g6-2000-1.1213			g6	1.1213
260047402000G	BOR 40g6-2000-1.4034				1.4034
260030452000	BOR 45h6-2000-1.1213	45		h6	1.1213
260047452000	BOR 45h6-2000-1.4034				1.4034
260030452000G	BOR 45g6-2000-1.1213			g6	1.1213
260047452000G	BOR 45g6-2000-1.4034				1.4034

Custom-made products

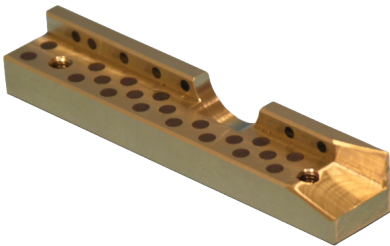
Beside to the big variety of standard products, we offer custom-made rotation- and milled-parts. We are producing these products out of steel or with our special Sankyo bronze with solid lubrication. Also, it is possible to get standard products with modifications. We only need your drawing or 3D-model with the assembly situation, like load cases and operating conditions, to prove the feasibility.

Our expert team will gladly advise you, also at your side. You can contact the department „Engineering“ by:

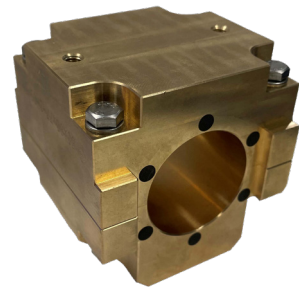
Tel.: [+49 2103 584 800](tel:+492103584800)

E-Mail: technik@de.sankyo-oilless.com

Examples



Custom-made products



Prefabricated dividable bush set to add a thread at the customer's site



Special design of a special spindle nut



Large bushings for all applications

