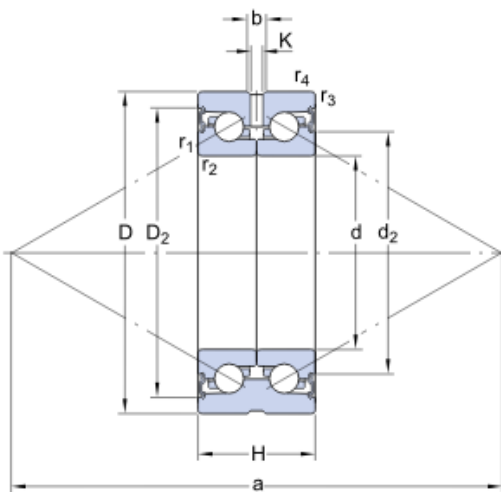




BEAS 017047 C-2RSH Angular contact thrust ball bearings for screw drives, double direction, super-precision

Angular contact thrust ball bearings for screw drives, double direction, super-precision

## Technical specification

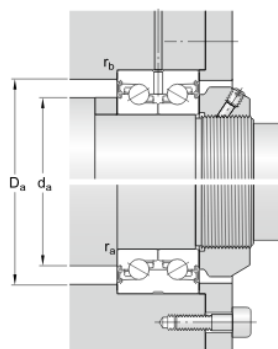


### DIMENSIONS

d	17 mm	Bore diameter
D	47 mm	Outside diameter
H	25 mm	Height
d <sub>2</sub>	28.7 mm	Inner ring recess diameter
D <sub>2</sub>	38.1 mm	Outer ring recess diameter
b	4.2 mm	Width of annular groove
K	3 mm	Diameter of lubrication hole
r <sub>1,2</sub>	min. 0.3 mm	Chamfer radius
r <sub>3,4</sub>	min. 0.6 mm	Chamfer radius
a	65 mm	Distance pressure points

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 23 mm	Abutment diameter shaft
D <sub>i</sub>	max. 37 mm	Abutment diameter housing
r <sub>a</sub>	max. 0.3 mm	Fillet radius
r <sub>b</sub>	max. 0.6 mm	Fillet radius



## CALCULATION DATA

C	21.2 kN	Basic dynamic load rating
C <sub>0</sub>	37.5 kN	Basic static load rating
P <sub>u</sub>	1.4 kN	Fatigue load limit
	4300 r/min	Attainable speed
α	60 °	Contact angle
	720 N	Preload
	0.24 N·m	Frictional moment
	470 N/μm	Static axial stiffness
	80 N·m/mrad	Static moment stiffness

## MASS

	0.24 kg	Mass bearing
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