

# 7312 BECBJ

SKF Explorer

## Dimensions



d	60	mm
D	130	mm
B	31	mm
d <sub>1</sub>	≈ 87.25	mm
d <sub>2</sub>	≈ 72.6	mm
D <sub>1</sub>	≈ 104.8	mm
a	55	mm
r <sub>1,2</sub>	min. 2.1	mm
r <sub>3,4</sub>	min. 1.1	mm

## Abutment dimensions



d <sub>a</sub>	min. 72	mm
D <sub>a</sub>	max. 118	mm
D <sub>b</sub>	max. 123	mm
r <sub>a</sub>	max. 2	mm
r <sub>b</sub>	max. 1	mm

## Calculation data

Basic dynamic load rating	C	104	kN
Basic static load rating	C	76.5	kN
Fatigue load limit	P <sub>u</sub>	3.2	kN
Reference speed		4500	r/min
Limiting speed		6700	r/min
Calculation factor	A	0.0846	
Calculation factor	k <sub>r</sub>	0.1	
Calculation factor	e	1.14	

## Single bearing or bearing pair arranged in tandem

Calculation factor	X	0.35
Calculation factor	Y	0.26
Calculation factor	Y <sub>2</sub>	0.57

## Bearing pair arranged back-to-back or face-to-face

Calculation factor	X	0.57
Calculation factor	Y	0.52

Calculation factor	$Y_1$	0.55
Calculation factor	$Y_2$	0.93

### **Mass**

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Mass bearing		1.75	kg
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