

# 7206 BECBM

SKF Explorer

## Dimensions



d	30	mm
D	62	mm
B	16	mm
d <sub>1</sub>	≈ 42.65	mm
d <sub>2</sub>	≈ 36.13	mm
D <sub>1</sub>	≈ 50.1	mm
a	27.3	mm
r <sub>1,2</sub>	min. 1	mm
r <sub>3,4</sub>	min. 0.6	mm

## Abutment dimensions



d <sub>a</sub>	min. 35.6	mm
D <sub>a</sub>	max. 56.4	mm
D <sub>b</sub>	max. 57.8	mm
r <sub>a</sub>	max. 1	mm
r <sub>b</sub>	max. 0.6	mm

## Calculation data

Basic dynamic load rating	C	24	kN
Basic static load rating	C	15.6	kN
Fatigue load limit	P <sub>u</sub>	0.655	kN
Reference speed		9500	r/min
Limiting speed		18000	r/min
Calculation factor	A	0.00377	
Calculation factor	k <sub>r</sub>	0.095	
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**

---

Mass bearing		0.2	kg
--------------	--	-----	----