

# 7214 BECBM

SKF Explorer

## Dimensions



d	70	mm
D	125	mm
B	24	mm
d <sub>1</sub>	≈ 91.5	mm
d <sub>2</sub>	≈ 80.25	mm
D <sub>1</sub>	≈ 104.75	mm
a	53	mm
r <sub>1,2</sub>	min. 1.5	mm
r <sub>3,4</sub>	min. 1	mm

## Abutment dimensions



d <sub>a</sub>	min. 79	mm
D <sub>a</sub>	max. 116	mm
D <sub>b</sub>	max. 119	mm
r <sub>a</sub>	max. 1.5	mm
r <sub>b</sub>	max. 1	mm

## Calculation data

Basic dynamic load rating	C	72	kN
Basic static load rating	C	60	kN
Fatigue load limit	P <sub>u</sub>	2.55	kN
Reference speed		4500	r/min
Limiting speed		8000	r/min
Calculation factor	A	0.0529	
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

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Mass bearing		1.1	kg
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