

7311 BECBM

SKF Explorer

Dimensions



d	55	mm
D	120	mm
B	29	mm
d ₁	≈ 80.3	mm
d ₂	≈ 66.66	mm
D ₁	≈ 96.6	mm
a	51	mm
r _{1,2}	min. 2	mm
r _{3,4}	min. 1	mm

Abutment dimensions



d _a	min. 66	mm
D _a	max. 109	mm
D _b	max. 114	mm
r _a	max. 2	mm
r _b	max. 1	mm

Calculation data

Basic dynamic load rating	C	85	kN
Basic static load rating	C	60	kN
Fatigue load limit	P _u	2.55	kN
Reference speed		5000	r/min
Limiting speed		9000	r/min
Calculation factor	A	0.0574	
Calculation factor	k _r	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 ₂	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		1.4	kg
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