

7214 BECBP

SKF Explorer

Dimensions



d	70	mm
D	125	mm
B	24	mm
d ₁	≈ 91.5	mm
d ₂	≈ 80.25	mm
D ₁	≈ 104.75	mm
a	53	mm
r _{1,2}	min. 1.5	mm
r _{3,4}	min. 1	mm

Abutment dimensions



d _a	min. 79	mm
D _a	max. 116	mm
D _b	max. 119	mm
r _a	max. 1.5	mm
r _b	max. 1	mm

Calculation data

Basic dynamic load rating	C	72	kN
Basic static load rating	C	60	kN
Fatigue load limit	P _u	2.55	kN
Reference speed		4500	r/min
Limiting speed		6300	r/min
Calculation factor	A	0.0529	
Calculation factor	k _r	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 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		1.1	kg
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