

7204 BECBP

SKF Explorer

Dimensions



d	20	mm
D	47	mm
B	14	mm
d ₁	≈ 30.8	mm
d ₂	≈ 25.87	mm
D ₁	≈ 37	mm
a	21	mm
r _{1,2}	min. 1	mm
r _{3,4}	min. 0.6	mm

Abutment dimensions



d _a	min. 25.6	mm
D _a	max. 41.4	mm
D _b	max. 42.8	mm
r _a	max. 1	mm
r _b	max. 0.6	mm

Calculation data

Basic dynamic load rating	C	14.3	kN
Basic static load rating	C	8.15	kN
Fatigue load limit	P _u	0.345	kN
Reference speed		13000	r/min
Limiting speed		19000	r/min
Calculation factor	A	0.00113	
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		0.11	kg
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