

Popular item
SKF Explorer

Technical drawing of a two-part mechanical assembly. The top part is a cross-section showing a central vertical shaft with diameter b and a key with width K . The shaft is surrounded by a blue material with internal features labeled r_1 and r_2 . The bottom part is a cross-section of a base with a central cavity. Dimensions include D and D_1 for the overall height, d and d_2 for the cavity height, and B for the base width.

d	85	mm
D	150	mm
B	36	mm
d ₂	101	mm
D ₁	133	mm
b	6	mm
K	3	mm
r _{1,2}	min. 2	mm

d _a	min.	96	mm
D _a	max.	139	mm
r _a	max.	2	mm

Basic dynamic load rating	C	291	kN
Basic static load rating	C ₀	325	kN
Fatigue load limit	P _u	34.5	kN
Reference speed		4000	r/min
Limiting speed		5600	r/min
Calculation factor	e	0.22	
Calculation factor	Y ₁	3	
Calculation factor	Y ₂	4.6	
Calculation factor	Y ₀	2.8	

Mass bearing	2.69	kg
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