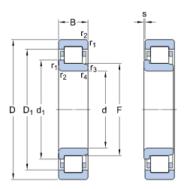


# Technical specification





SKF Explorer Cylindrical roller bearings, single row

Bearing data Tolerances, Normal (metric), P6, Normal (inch), Radial internal clearance, cylindrical bore, tapered bore, Axial internal clearance, NUP, NJ + HJ

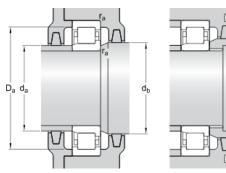
Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

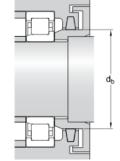
#### DIMENSIONS

d	35 mm
D	72 mm
В	17 mm
d <sub>1</sub>	≈ 48.1 mm
D <sub>1</sub>	≈ 60.33 mm
F	44 mm
r <sub>1,2</sub>	min. 1.1 mm
r <sub>3,4</sub>	min. 0.6 mm
S	max. 1.3 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 41.8 mm
d <sub>a</sub>	max. 42.2 mm
d <sub>b</sub>	min. 50 mm
D <sub>a</sub>	max. 65.1 mm
r <sub>a</sub>	max. 1 mm







## CALCULATION DATA

Basic dynamic load rating	С	56 kN
Basic static load rating	C <sub>O</sub>	48 kN
Fatigue load limit	P <sub>u</sub>	6.1 kN
Reference speed		11000 r/min
Limiting speed		12000 r/min
Calculation factor	k <sub>r</sub>	0.15
Limiting value	е	0.2
Axial load factor	Υ	0.6

#### MASS

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## ASSOCIATED PRODUCTS

Angle ring	HJ 207 EC
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## More information

Product details	Product details	Engineering in	n forn Eanlaigionneering ir	nformTætøken	Tools	
Designs and variants	Designs and variants	Principles of rolling	Principles of rolling	SimPro Quick	SimPro Quick	
Bearing data	Bearing data	bearing selection General bearing k nowledge Bearing selection process	bearing -selection General bearing k	bearing -selection General	Bearing Select Engineer	Bearing Select Engineer
Loads	Loads Tempera				ing Calcul ator	ing Calcul ator
ture	ture		Bearing selection process	LubeSele ct for SKF greases	LubeSele ct for SKF greases	
Permissi ble speed	Permissi ble speed	Permissi l ble speed fa	Bearing Bearing failure failure	Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting i	Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting i	
Design c onsiderati ons Designati on system	Design c onsiderati ons Designati on system	and how to prevent it	and how to prevent it			
				<u>nstruc</u> tio ns	<u>nstruc</u> tio	



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