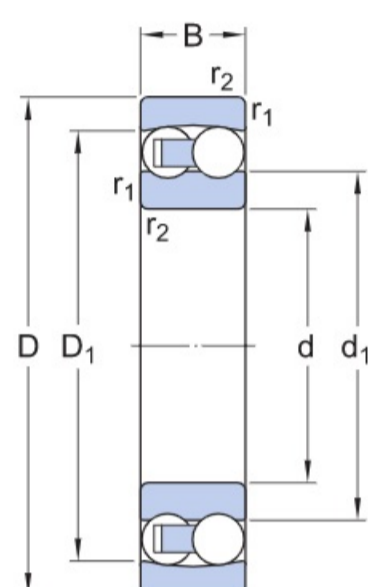


# 2210-K DKFL



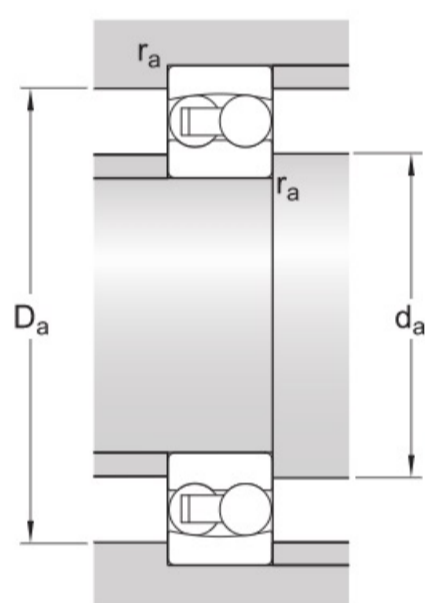
Bore type

Cylindrical



## Dimensions

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
d <sub>1</sub>	≈ 61.47 mm	Shoulder diameter inner ring
D <sub>1</sub>	≈ 80.2 mm	Shoulder diameter outer ring
r <sub>1,2</sub>	min. 1.1 mm	Chamfer dimension



## Abutment dimensions

d <sub>a</sub>	min. 57 mm	Abutment diameter shaft
D <sub>a</sub>	max. 83 mm	Abutment diameter housing
r <sub>a</sub>	max. 1.1 mm	Fillet radius

## Calculation data

Basic dynamic load rating	C	33.8 kN
Basic static load rating	C <sub>0</sub>	11.2 kN
Fatigue load limit	P <sub>u</sub>	0.57 kN
Reference speed		14 000 r/min
Limiting speed		9 500 r/min
Permissible angular misalignment	α	2.5 °
Calculation factor	k <sub>r</sub>	0.045
Calculation factor	e	0.23
Calculation factor	Y <sub>0</sub>	2.8
Calculation factor	Y <sub>1</sub>	2.7
Calculation factor	Y <sub>2</sub>	4.2

## Mass

Mass bearing

0.6 kg