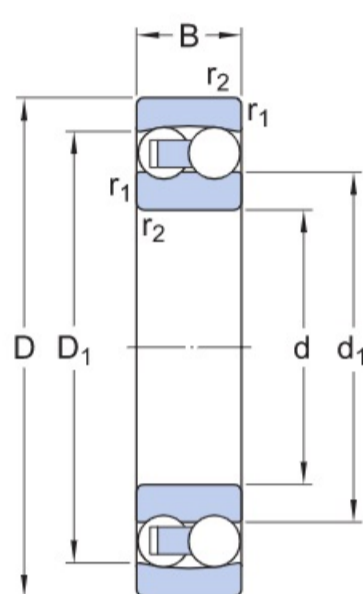


# 2310 DKFL



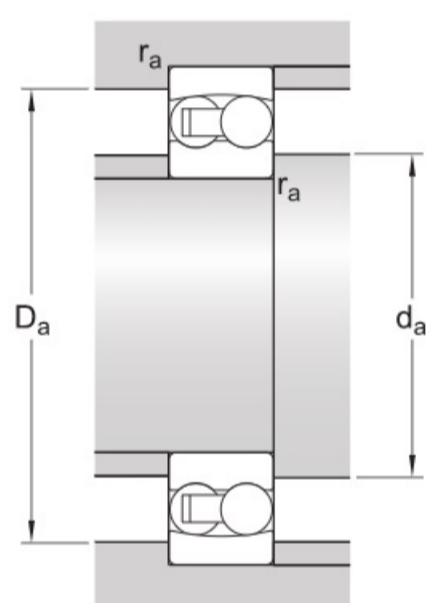
Bore type

Cylindrical



## Dimensions

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	40 mm	Width
d <sub>1</sub>	≈ 66 mm	Shoulder diameter inner ring
D <sub>1</sub>	≈ 92.5 mm	Shoulder diameter outer ring
r <sub>1,2</sub>	min. 2 mm	Chamfer dimension



## Abutment dimensions

d <sub>a</sub>	min. 61 mm	Abutment diameter shaft
D <sub>a</sub>	max. 99 mm	Abutment diameter housing
r <sub>a</sub>	max. 2 mm	Fillet radius

## Calculation data

Basic dynamic load rating	C	63.7 kN
Basic static load rating	C <sub>0</sub>	20 kN
Fatigue load limit	P <sub>u</sub>	1.04 kN
Reference speed		12 000 r/min
Limiting speed		8 500 r/min
Permissible angular misalignment	α	3°
Calculation factor	k <sub>r</sub>	0.05
Calculation factor	e	0.43
Calculation factor	Y <sub>0</sub>	1.6
Calculation factor	Y <sub>1</sub>	1.5
Calculation factor	Y <sub>2</sub>	2.3

## Mass

Mass bearing

1.65 kg