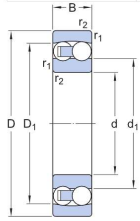


1205-KH DKFL

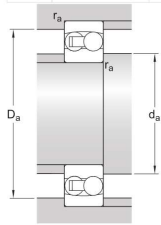


Bore type	Self Aligning Bearings
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Dimensions

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
d₁	≈33.3 mm	Shoulder diameter inner ring
D₁	≈44.6 mm	Shoulder diameter outer ring
r_{1,2}	min.1 mm	Chamfer dimension



Abutment dimensions

d_a	min.30.6 mm	Abutment diameter shaft
D_a	max.46.4 mm	Abutment diameter housing
r_a	max.1 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	14.3 kN
Basic static load rating	C₀	4 kN
Fatigue load limit	P_u	0.204 kN
Reference speed		28 000 r/min
Limiting speed		18 000 r/min
Permissible angular misalignment	α	2.5 °
Calculation factor	k_r	0.04
Calculation factor	e	0.28
Calculation factor	Y₀	2.5
Calculation factor	Y₁	2.2
Calculation factor	Y₂	3.5

Mass

Mass bearing	0.14 kg
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