



GAC 80 F

Angular contact spherical plain bearings

Bearing data

[Tolerances,](#)

table,

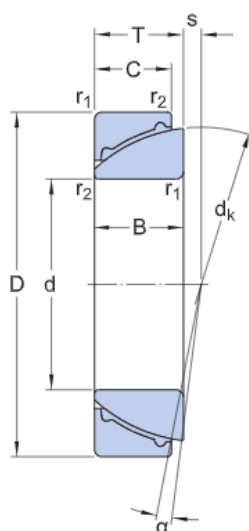
[Radial internal clearance,](#)

Axial preload

Radial location of bearings

[Recommended fits](#)

Technical specification

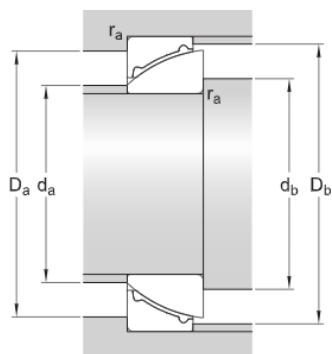


DIMENSIONS

d	80 mm	Bore diameter
D	125 mm	Outside diameter
T	29 mm	Nominal width
α	3.5 °	Angle of tilt
d_k	115 mm	Raceway diameter inner ring
B	29 mm	Width inner ring
C	25.5 mm	Width outer ring
r1	min.1.5 mm	Chamfer dimension bore/large side face
r2	min.0.6 mm	Chamfer dimension bore/small side face
s	8.6 mm	Distance sphere diameter centre - large inner ring side face

ABUTMENT DIMENSIONS

da	max.88 mm	Abutment diameter shaft, small inner ring side face
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db	max.104 mm	Abutment diameter shaft, large inner ring side face
Da	min.95 mm	Abutment diameter housing, large outer ring side face
Db	min.116 mm	Abutment diameter housing, small outer ring side face
ra	max.1.5 mm	Fillet radius shaft, housing

CALCULATION DATA

Basic dynamic load rating	C	122 kN
Basic static load rating	C ₀	193 kN
Specific dynamic load factor	K	50 N/mm
Specific static load factor	K ₀	80 N/mm
Material constant	K _M	480

MASS

Mass plain bearing	1.55 kg
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More information

Product details Bearing data Special designs	Engineering information Principles of selection and application	Tools SKF Bearing Calculator Heater selection tool
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