



# GEP 110 FS

## Radial spherical plain bearings

Bearing data

[Tolerances,](#)

[Radial internal clearance](#)

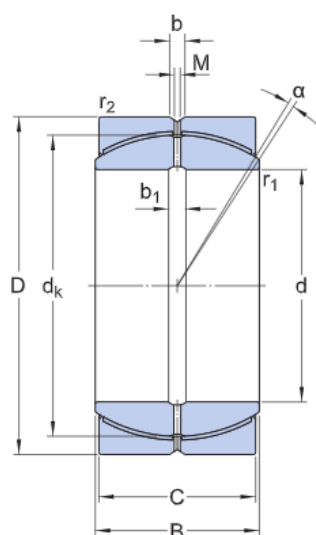
Radial location of bearings

[Recommended fits](#)

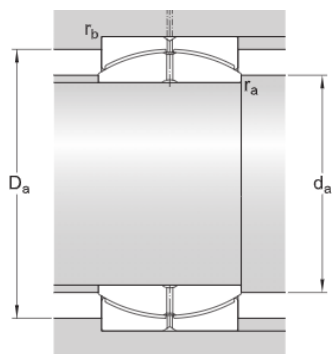
## Technical specification

Lubricant	Maintenance free – dry lubrication
Design (sliding contact surface combination)	Steel/PTFE FRP
Sealing solution	No seals

## DIMENSIONS



d	110 mm	Bore diameter
D	160 mm	Outside diameter
B	78 mm	Nominal width
C	74 mm	Width outer ring
α	2 °	Angle of tilt
dk	145 mm	Raceway diameter inner ring
b	7.5 mm	Width annular lubrication groove at outer ring
b1	7.5 mm	Width annular lubrication groove at inner ring
M	4 mm	Diameter lubrication hole (outer ring)
r1	min. 1 mm	Chamfer dimension bore
r2	min. 1 mm	Chamfer dimension outer ring



## ABUTMENT DIMENSIONS

$d_a$	min.117 mm	Abutment diameter shaft
$d_a$	max.122 mm	Abutment diameter shaft
$D_a$	min.135 mm	Abutment diameter housing
$D_a$	max.151 mm	Abutment diameter housing
$r_a$	max. 1 mm	Fillet radius shaft
$r_b$	max. 1 mm	Fillet radius housing

## CALCULATION DATA

Basic dynamic load rating	C	720 kN
Basic static load rating	$C_0$	1 080 kN
Specific dynamic load factor	K	80 N/mm
Specific static load factor	$K_0$	120 N/mm
Material constant	$K_M$	1 055

## MASS

Mass plain bearing	5.35 kg
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## More information

<p>Product details</p> <p><a href="#">Designs and variants</a></p> <hr/> <p><a href="#">Bearing data</a></p> <hr/>	<p>Engineering information</p> <p><a href="#">Principles of selection and application</a></p> <hr/>	<p>Tools</p> <p><a href="#">SKF Bearing Calculator</a></p> <hr/> <p><a href="#">Heater selection tool</a></p> <hr/>
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