

# LS SABP14N plain bearings

LS SABP14N plain bearings with easy-to-use parts graphics, giving you 90 Outer Diameter (mm) the ability to check parts availability, 50x90x28 Size (mm) pricing, examine remanufactured options.

Size (mm)	50x90x28
Bore Diameter (mm)	50
Outer Diameter (mm)	90
Width (mm)	28
d	50 mm
D	90 mm
T	28 mm
B	28 mm
C	23 mm
ra1 max.	2,5 mm
a	7,4 mm
Da	80 mm
db	57 mm
ra max.	3 mm
da	62 mm
Db	85 mm
Weight	0,752 Kg
Basic dynamic load rating (C)	106 kN
Basic static load rating (C0)	141 kN
(Grease) Lubrication Speed	4 100 r/min
(Oil) Lubrication Speed	5 400 r/min
Calculation factor (e)	0,33
Calculation factor (Y0)	1

d1	69 mm
e	0.33
Y2	1.82
Y0	1
Mass	0.75 kg
Dynamic load, C	106 kN
Rating life coefficient, A2	1.4
Static load, C0	141 kN
Fatigue limit load, Cu	17.2 kN
Nlim (oil)	5,400 rpm
Nlim (grease)	4,100 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.72 Hz
Characteristic outer ring frequency, BPF0	8.15 Hz
Characteristic inner ring frequency, BRFI	10.85 Hz
ra max	3 mm
rla max	2.5 mm