

# Toyana GE 090 ECR-2RS plain bearings

What are the dimensions of 90 Outer Diameter (mm) a Toyana GE 090 ECR-2RS plain bearings? Manufacturing Service . Get Your Free, Instant 55x90x18 Size (mm) Quote

Size (mm)	55x90x18
Bore Diameter (mm)	55
Outer Diameter (mm)	90
Width (mm)	18
d	55 mm
D	90 mm
B	18 mm
C	18 mm
Angle ( $\alpha$ )	20 °
d1	66.8 mm
d2	65 mm
D1	79.91 mm
D2	83.11 mm
a	26 mm
Contact angle $\alpha$	25 °
rs min	1.1 mm
r1s min	1 mm
f0	8.31
Precision class	P4S
Mass	0.4 kg
Dynamic load, C	15.9 kN
Static load, C0	10.9 kN

Fatigue limit load, $C_u$	0.63 kN
$N_{lim}$ (oil)	27,000 rpm
$N_{lim}$ (grease)	18,500 rpm
Axial displacement K Factor	0.56
Preload level	7
Preload value	0.13 kN
Axial rigidity	127 N/ $\mu$ m
Radial rigidity	279 N/ $\mu$ m
Min operating temperature, $T_{min}$	-30 °C
Max operating temperature, $T_{max}$	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	8.92 Hz
Characteristic outer ring frequency, BPF0	10.34 Hz
Characteristic inner ring frequency, BRFI	12.66 Hz
$d_a$ min	62 mm
$d_b$ min	62 mm
$D_a$ max	83 mm
$D_b$ max	83 mm
$r_{1a}$ max	1 mm
$r_a$ max	1 mm
D6	69.3 mm