

**FAG****S6303-2RSR>N**

Deep groove ball bearing

Deep groove ball bearing S63...-2RSR, corrosion-resistant materials, single row, seals, steel sheet metal cage

## Technical information

**Your current product variant**

Version code	>N	Not marked on bearing
Material Bearing	S	Stainless steel
Type of Seal	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

**Main Dimensions & Performance Data**

d	17 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C <sub>r</sub>	14.400 N	Basic dynamic load rating, radial
C <sub>0r</sub>	6.600 N	Basic static load rating, radial
C <sub>ur</sub>	410 N	Fatigue load limit, radial
n <sub>G</sub>	9.800 1/min	Limiting speed
≈m	114 g	Weight



### Mounting dimensions

$d_{a \min}$	22,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	41,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
$D_1$	38,2 mm	Shoulder diameter outer ring
$D_2$	39,8 mm	Caliber diameter outer ring
$d_1$	27,15 mm	Shoulder diameter inner ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

### Calculation factors

$f_0$	12,4	Calculation factor
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### Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Lifetime lubrication, freedom from maintenance
	Grease Lubrication
	Sealed on both sides
	Protected against rust