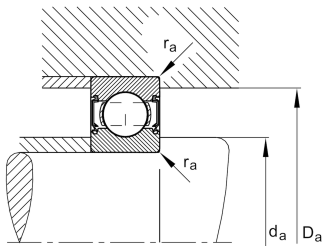
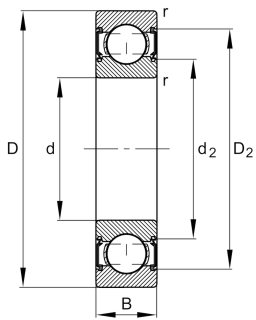


**FAG****6208-C-HRS**

Deep groove ball bearing

Deep groove ball bearing 62...-C-HRS, single row, Generation C, seal, steel sheet metal cage

## Technical information



## Your current product variant

Changed internal design	C	GenerationC
Sealing	HRS	Contact seal on one side
Cage	JN	Steel sheet metal
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

## Main Dimensions &amp; Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width
C <sub>r</sub>	33,500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	17,800 N	Basic static load rating, radial
C <sub>ur</sub>	1,230 N	Fatigue load limit, radial
n <sub>G</sub>	7,800 1/min	Limiting speed
≈m	0.365 kg	Weight



Mounting dimensions

$d_{a\ min}$	47 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	73 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1.1 mm	Minimum chamfer dimension
$D_1$	67.6 mm	Shoulder diameter outer ring
$D_2$	70.56 mm	Caliber diameter outer ring
$d_1$	51.88 mm	Shoulder diameter inner ring
$d_2$	49.3 mm	Caliber diameter inner ring







Temperature range

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

Calculation factors

$f_0$	14	Calculation factor
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Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Sealed on one side