

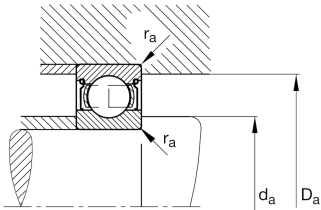
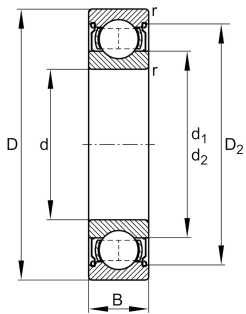
**FAG****61903-2Z-HLC** [🔗](#)

Deep groove ball bearing

Deep groove ball bearing 619...-2Z, single row, shields, steel sheet metal cage

Schaeffler ID:
0554612040000

Technical information



Your current product variant

Logistical code	HLC	-
Sealing	2Z	Non-contact shield on both sides
Cage	J	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	30 mm	Outside diameter
B	7 mm	Width
C _r	4.590 N	Basic dynamic load rating, radial
C _{0r}	2.560 N	Basic static load rating, radial
C _{ur}	150 N	Fatigue load limit, radial
n _G	29.000 1/min	Limiting speed
n _{gr}	17.800 1/min	Reference speed
≈m	18 g	Weight



Mounting dimensions

$d_{a\min}$	19 mm	Minimum diameter shaft shoulder
$D_{a\max}$	28 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0,3 mm	Maximum fillet radius

Dimensions

$r_{\min}$	0,3 mm	Minimum chamfer dimension
D_1	26,8 mm	Shoulder diameter outer ring
D_2	27,8 mm	Caliber diameter outer ring
d_1	21 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Calculation factors

f_0	14,7	Calculation factor
-------	------	--------------------

Characteristics

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