



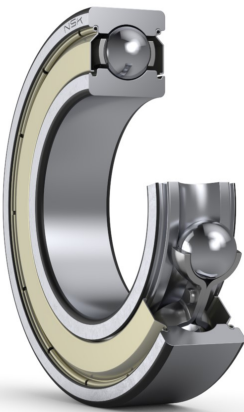
PRODUCT DATASHEET

Datasheet creation date: 2025/07/08 2:22 (UTC)



6209ZZ

Single-Row Deep Groove Ball Bearings



Boundary Dimensions

d	45	mm	Bore diameter
D	85	mm	Outside diameter
B	19	mm	Width
r (min.)	1.1	mm	Chamfer dimension

Basic Load Ratings

Cr	34500	N	Basic dynamic load rating
C0r	20400	N	Basic static load rating

Speeds

Grease	9000	min-1	Grease lubrication
--------	------	-------	--------------------

Abutment and Fillet Dimensions

da (min.)	51.5	mm	Diameter of shaft abutment
da (max.)	55.5	mm	Diameter of shaft abutment
Da (max.)	78.5	mm	Diameter of housing abutment
ra (max.)	1	mm	Radius of shaft or housing fillet

Calculation factors

fo	14.4		Factor
----	------	--	--------

Additional information

z	10		Number of Balls
Dw	11.906	mm	Ball Diameter

Mass

Mass approx.	0.42	kg	Mass approx.
--------------	------	----	--------------

