PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 9:11 (UTC)

MOTION & CONTROL NSK

6807DD

Single-Row Deep Groove Ball Bearings

Boundary Dimensions

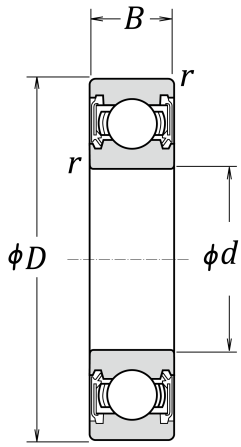
d	35	mm	Bore diameter
D	47	mm	Outside diameter
B	7	mm	Width
r (min.)	0.3	mm	Chamfer dimension

Basic Load Ratings

Cr	5400	N	Basic dynamic load rating
C0r	4100	N	Basic static load rating

Speeds

Grease	7500	min-1	Grease lubrication



Abutment and Fillet Dimensions

da (min.)	37	mm	Diameter of shaft abutment
da (max.)	37	mm	Diameter of shaft abutment
Da (max.)	45	mm	Diameter of housing abutment
ra (max.)	0.3	mm	Radius of shaft or housing fillet

Calculation factors

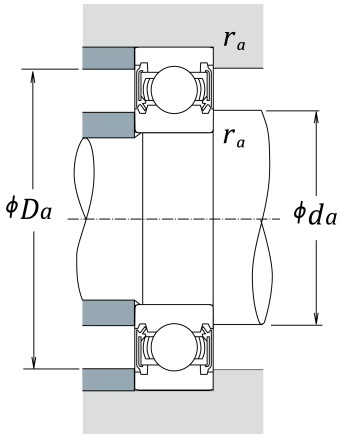
fo	16.7		Factor

Additional information

z	20		Number of Balls
Dw	3.5	mm	Ball Diameter

Mass

Mass approx.	0.027	kg	Mass approx.



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