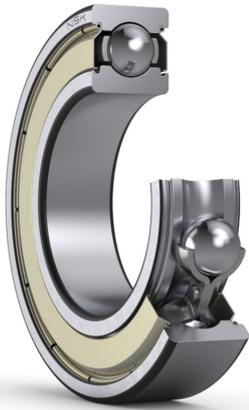




# PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 9:13 (UTC)



## 6816ZZ

### Single-Row Deep Groove Ball Bearings

#### Boundary Dimensions

d	80	mm	Bore diameter
D	100	mm	Outside diameter
B	10	mm	Width
r (min.)	0.6	mm	Chamfer dimension

#### Basic Load Ratings

Cr	13900	N	Basic dynamic load rating
C0r	14500	N	Basic static load rating

#### Speeds

Grease	6000	min-1	Grease lubrication
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#### Abutment and Fillet Dimensions

da (min.)	84	mm	Diameter of shaft abutment
da (max.)	84.5	mm	Diameter of shaft abutment
Da (max.)	96	mm	Diameter of housing abutment
ra (max.)	0.6	mm	Radius of shaft or housing fillet

#### Calculation factors

fo	17.4		Factor
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#### Additional information

z	27		Number of Balls
Dw	5.556	mm	Ball Diameter

#### Mass

Mass approx.	0.151	kg	Mass approx.
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