



## 6844

### Single-Row Deep Groove Ball Bearings

#### Parts Number

6844M

#### Boundary Dimensions

d	220	mm	Bore diameter
D	270	mm	Outside diameter
B	24	mm	Width
r (min.)	1.5	mm	Chamfer dimension

#### Basic Load Ratings

Cr	84000	N	Basic dynamic load rating
C0r	107000	N	Basic static load rating

#### Speeds

Grease	1900	min-1	Grease lubrication
Oil (Oil-bath)	2400	min-1	Oil-bath lubrication

#### Abutment and Fillet Dimensions

da (min.)	228	mm	Diameter of shaft abutment
da (max.)	233.5	mm	Diameter of shaft abutment
Da (max.)	262	mm	Diameter of housing abutment
ra (max.)	1.5	mm	Radius of shaft or housing fillet
Dx (min.)	0	mm	Diameter of snap ring recess in the housing
Cy (max.)	0	mm	Distance from outer ring side face to snap ring back face

#### Calculation factors

fo	17.4	Factor
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#### Additional information

z	27	Number of Balls	
Dw	15.081	mm	Ball Diameter

#### Mass

Mass approx.	2.9	kg	Mass approx.
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