



6019

Single-Row Deep Groove Ball Bearings

Parts Number

6019C3

Boundary Dimensions

d	95	mm	Bore diameter
D	145	mm	Outside diameter
B	24	mm	Width
r (min.)	1.5	mm	Chamfer dimension

Basic Load Ratings

C_r	66500	N	Basic dynamic load rating
C_{0r}	54000	N	Basic static load rating

Speeds

Grease	5300	min ⁻¹	Grease lubrication
Oil (Oil-bath)	6000	min ⁻¹	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	103	mm	Diameter of shaft abutment
da (max.)	108.5	mm	Diameter of shaft abutment
Da (max.)	137	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	15.8	Factor
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Additional information

z	15	Number of Balls
Dw	15.081	mm Ball Diameter

Mass

(approx.)	1.23	kg
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