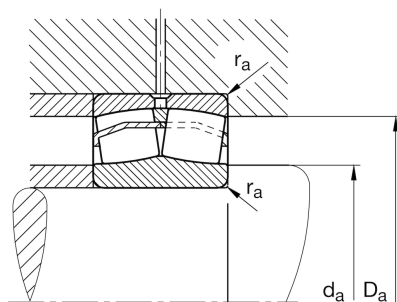
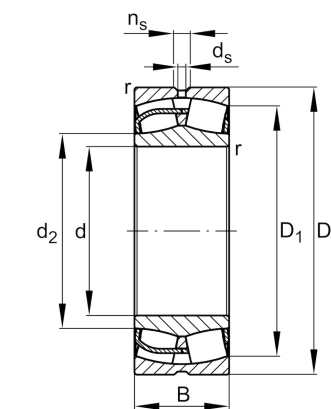
**24136-BE-XL** **Spherical Roller Bearing**

Spherical roller bearing 241...-BE-XL,
symmetric with rib washer

Technical information**Main Dimensions & Performance Data**

d	180 mm	Bore diameter
D	300 mm	Outside diameter
B	118 mm	Width
C _r	1,460,000 N	Basic dynamic load rating, radial
C _{0r}	2,170,000 N	Basic static load rating, radial
C _{ur}	208,000 N	Fatigue load limit, radial
n _G	2,000 1/min	Limiting speed
n _{gr}	980 1/min	Reference speed
≈m	32.745 kg	Weight

Mounting dimensions

d _{a min}	194 mm	Minimum diameter shaft shoulder
D _{a max}	286 mm	Maximum diameter of housing shoulder
r _{a max}	2.5 mm	Maximum recess radius

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
D ₁	255.7 mm	Bore diameter outer ring
d ₂	204.8 mm	Raceway diameter of the inner ring
d _s	6.3 mm	Diameter lubrication hole
n _s	12.2 mm	Width of lubricating groove

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.



[View product details on medias](#)

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Calculation factors

e	0.36	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1.86	Dynamic axial load factor
Y ₂	2.77	Dynamic axial load factor
Y ₀	1.82	Static axial load factor