

FAG

23036-E1A-XL-M-C3

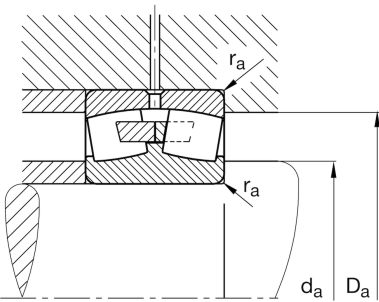
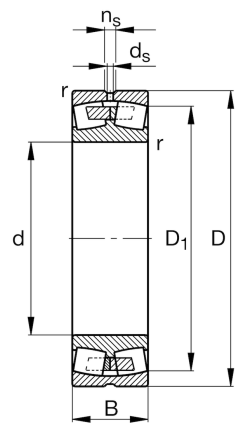
Spherical roller bearing

Materiálové číslo Schaeffler:
0167067300030

Spherical roller bearings 230..-E1A, main
dimensions to DIN 635-2

X-life

Technické informace



Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	280 mm	Outside diameter
B	74 mm	Width
C _r	1.040.000 N	Basic dynamic load rating, radial
C _{0r}	1.450.000 N	Basic static load rating, radial
C _{ur}	173.000 N	Fatigue load limit, radial
n _G	2.600 1/min	Limiting speed
n _{gr}	1.760 1/min	Reference speed
	16,463 kg	\$(Hmotnost)\$

Mounting dimensions

d _{a min}	190,2 mm	Minimum diameter shaft shoulder
D _{a max}	269,8 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	254,3 mm	Bore diameter outer ring
d _s	8 mm	Diameter lubrication hole
n _s	15 mm	Width of lubricating groove

Temperature range

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

Calculation factors		
e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,9	Dynamic axial load factor
Y ₂	4,31	Dynamic axial load factor
Y ₀	2,83	Static axial load factor