



FAG

24072-BEA-XL-K30-MB1

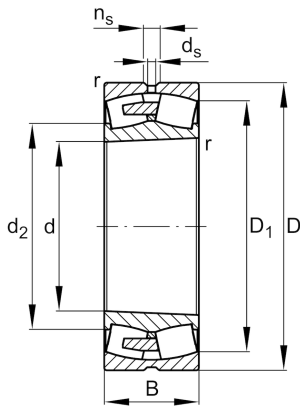
Spherical roller bearing

Schaeffler ID:
0733614370000

Spherical roller bearings 240..-BEA-K30, main dimensions to DIN 635-2, with tapered bore, taper 1:30

X-life

Technical information

**Temperature range**

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.
	142 kg	Weight

Main Dimensions & Performance Data

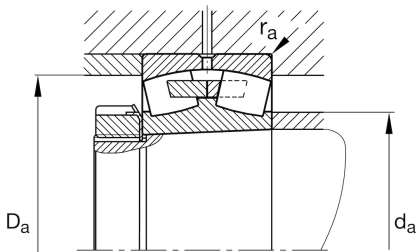
d	360 mm	Bore diameter
D	540 mm	Outside diameter
B	180 mm	Width
C_r	3.650.000 N	Basic dynamic load rating, radial
C_{0r}	6.600.000 N	Basic static load rating, radial
C_{ur}	570.000 N	Fatigue load limit, radial
n_G	1.040 1/min	Limiting speed
n_{gr}	570 1/min	Reference speed

Dimensions

r_{min}	5 mm	Minimum chamfer dimension
D_1	476,4 mm	Bore diameter outer ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	378 mm	Minimum diameter shaft shoulder
$D_{a max}$	522 mm	Maximum diameter of housing shoulder
$r_{a max}$	4 mm	Maximum recess radius



Additional information

e	0,3	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,23	Dynamic axial load factor
	AH24072-H	Withdrawal sleeve
Y ₂	3,32	Dynamic axial load factor
Y ₀	2,18	Static axial load factor