

FAG

23036-E1-XL-K-TVPB

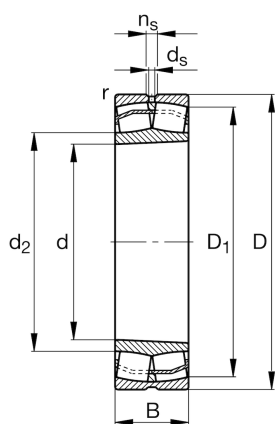
Spherical roller bearing

Schaeffler ID:
0167067490000

Spherical roller bearings 230..-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information



Main Dimensions & Performance Data

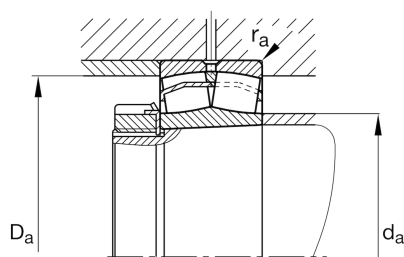
d	180 mm	Bore diameter
D	280 mm	Outside diameter
B	74 mm	Width
C_r	1.040.000 N	Basic dynamic load rating, radial
C_{0r}	1.450.000 N	Basic static load rating, radial
C_{ur}	173.000 N	Fatigue load limit, radial
n_G	2.600 1/min	Limiting speed
n_{gr}	1.760 1/min	Reference speed
	15,176 kg	Weight

Additional information

	H3036	Adapter sleeve
r_{min}	2,1 mm	Minimum chamfer dimension
D_1	254,3 mm	Bore diameter outer ring
	AH3036	Withdrawal sleeve
d_2	201,8 mm	Raceway diameter of the inner ring
d_s	8 mm	Diameter lubrication hole
n_s	15 mm	Width of lubricating groove

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
$B_{a min}$	8 mm	Minimum cavity width of the sleeve
$d_{a max}$	201 mm	Maximum diameter of shaft shoulder
$d_{b min}$	189 mm	Minimum cavity diameter of the sleeve



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

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.