



FAG

24076-BEA-XL-K30-MB1

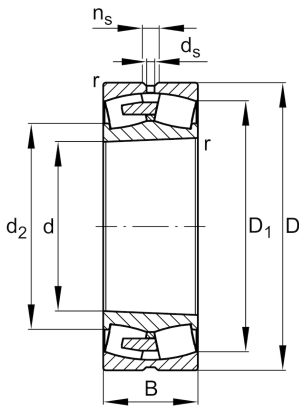
Spherical roller bearing

Schaeffler ID:
0836922740000

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.
	148,1 kg	Weight

Main Dimensions & Performance Data

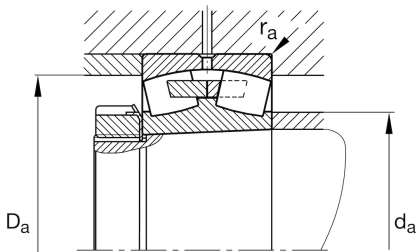
d	380 mm	Bore diameter
D	560 mm	Outside diameter
B	180 mm	Width
C_r	3.750.000 N	Basic dynamic load rating, radial
C_{0r}	7.000.000 N	Basic static load rating, radial
C_{ur}	590.000 N	Fatigue load limit, radial
n_G	990 1/min	Limiting speed
n_{gr}	530 1/min	Reference speed

Dimensions

r_{min}	5 mm	Minimum chamfer dimension
D_1	497,9 mm	Bore diameter outer ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	398 mm	Minimum diameter shaft shoulder
$D_{a max}$	542 mm	Maximum diameter of housing shoulder
$r_{a max}$	4 mm	Maximum recess radius



Additional information

e	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,33	Dynamic axial load factor
	AH24076-H	Withdrawal sleeve
Y ₂	3,47	Dynamic axial load factor
Y ₀	2,28	Static axial load factor