



FAG

24068-BEA-XL-K30-MB1

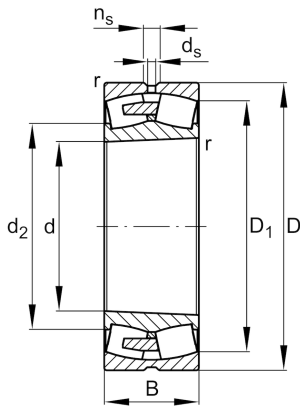
Spherical roller bearing

Schaeffler ID:
0783056400000

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

X-life

Technical information



Main Dimensions & Performance Data

d	340 mm	Bore diameter
D	520 mm	Outside diameter
B	180 mm	Width
C_r	3.550.000 N	Basic dynamic load rating, radial
C_{0r}	6.200.000 N	Basic static load rating, radial
C_{ur}	530.000 N	Fatigue load limit, radial
n_G	1.080 1/min	Limiting speed
n_{gr}	610 1/min	Reference speed
	136,5 kg	Weight

Additional information

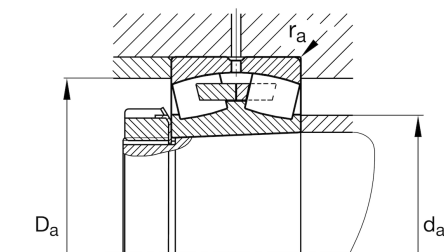
r_{min}	5 mm	Minimum chamfer dimension
D_1	456,1 mm	Bore diameter outer ring
	AH24068-H	Withdrawal sleeve
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	358 mm	Minimum diameter shaft shoulder
$D_{a max}$	502 mm	Maximum diameter of housing shoulder
$r_{a max}$	4 mm	Maximum recess radius

Calculation factors

e	0,32	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,12	Dynamic axial load factor
Y_2	3,15	Dynamic axial load factor
Y_0	2,07	Static axial load factor



Temperature range

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