

★ 21318-E1-XL-K

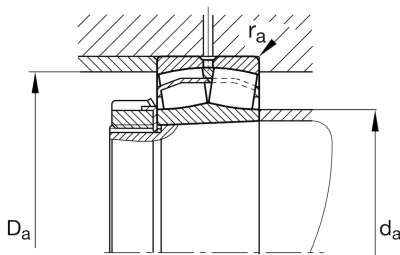
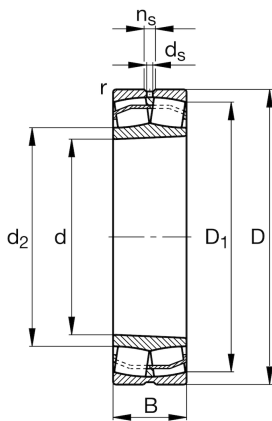
Spherical roller bearing

Schaeffler ID:
0219427730000

★ Preferred product

Spherical roller bearings 213...E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.
	5,999 kg	Weight

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	43 mm	Width
C_r	380.000 N	Basic dynamic load rating, radial
C_{0r}	415.000 N	Basic static load rating, radial
C_{ur}	48.500 N	Fatigue load limit, radial
n_G	4.850 1/min	Limiting speed
n_{gr}	3.600 1/min	Reference speed

Dimensions

r_{min}	3 mm	Minimum chamfer dimension
D_1	152,7 mm	Bore diameter outer ring
d_2	112,6 mm	Raceway diameter of the inner ring
d_s	4,8 mm	Diameter lubrication hole
n_s	9,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	104 mm	Minimum diameter shaft shoulder
$d_{a max}$	112 mm	Maximum diameter of shaft shoulder
$D_{a max}$	176 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,5 mm	Maximum recess radius
$d_{b min}$	96 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	6 mm	Minimum cavity width of the sleeve

Additional information

e	0,24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H318	Adapter sleeve
Y ₁	2,87	Dynamic axial load factor
	AHX318	Withdrawal sleeve
Y ₂	4,27	Dynamic axial load factor
Y ₀	2,8	Static axial load factor