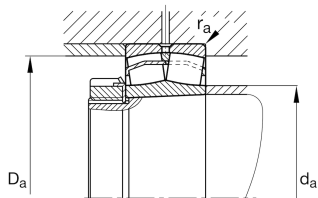
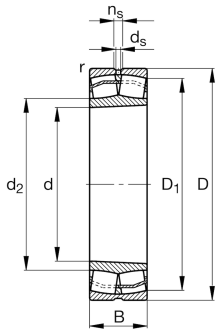
**FAG****X-life****23038-E1-XL-K-TVPB** **Spherical Roller Bearing**

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

Technical information**Your current product variant**

Design	E1	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	TVPB	Plastic cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	Standard	

Main Dimensions & Performance Data

d	190 mm	Bore diameter
D	290 mm	Outside diameter
B	75 mm	Width
C _r	1.080.000 N	Basic dynamic load rating, radial
C _{0r}	1.550.000 N	Basic static load rating, radial
C _{ur}	183.000 N	Fatigue load limit, radial
n _G	2.490 1/min	Limiting speed
n _{gr}	1.660 1/min	Reference speed
≈m	16,302 kg	Weight



Mounting dimensions

$d_{a \min}$	200,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	279,8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
$B_{a \min}$	9 mm	Minimum cavity width of the sleeve
$d_{a \max}$	211 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	199 mm	Minimum cavity diameter of the sleeve

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
D_1	264,5 mm	Bore diameter outer ring
d_2	211,9 mm	Raceway diameter of the inner ring
d_s	8 mm	Diameter lubrication hole
n_s	15 mm	Width of lubricating groove

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Calculation factors

e	0,23	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,98	Dynamic axial load factor
Y_2	4,44	Dynamic axial load factor
Y_0	2,92	Static axial load factor

Additional information

H3038	Adapter sleeve
AH3038G	Withdrawal sleeve



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment