



Bearing No. 22313 EK/VA405

K	4.5 mm
d	65 mm
b	8.3 mm
B	48 mm
D	140 mm
series:	223
Category	Roller Bearings
Inventory	0.0
Size (mm)	140x65x48
cage type:	Inner Ring Guided
Width (mm)	48
bore type:	Tapered 1:12
maximum rpm:	5000 RPM
application:	Vibratory Applications
Mass bearing	3.65 kg
closure type:	Open
D ₁	118 mm
Product Group	B04311
d ₂	81.6 mm
fillet radius:	2 mm
overall width:	48 mm
cage material:	Steel
bore diameter:	65 mm
Bearing number	22313 EK/VA405
Limiting speed	5000 r/min
Reference speed	3800 r/min
finish/coating:	Uncoated
outer ring type:	Not Split
bearing material:	Steel
Manufacturer Name	SKF

outer ring width:	48 mm
Weight / Kilogram	3.49
outside diameter:	140 mm
precision rating:	Not Rated
D_a max.	128 mm
r_a max.	2 mm
Bore Diameter (mm)	140
Outer Diameter (mm)	65
internal clearance:	C0
$r_{1,2}$ min.	2.1 mm
d_a - min.	73 mm
D_a - max.	128 mm
r_a - max.	2 mm
Calculation factor e	0.35
Minimum Buy Quantity	N/A
D_1 ?	118 mm
static load capacity:	360 kN
d_2 ?	81.6 mm
$r_{1,2}$ - min.	2.1 mm
lubrication hole type:	Lubrication Groove & Hole
dynamic load capacity:	340 kN
Calculation factor - e	0.35
Basic dynamic load rating C	357 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	357 kN
Fatigue load limit P_u	38 kN
Calculation factor Y_1	1.9
Calculation factor Y_2	2.9
Calculation factor Y_0	1.8

Calculation factor - Y_0	1.8
Calculation factor - Y_2	2.9
Calculation factor - Y_1	1.9
Fatigue load limit - P_u	38 kN
Basic static load rating C_0	360 kN
Basic static load rating - C_0	360 kN
Recommended lock nut tightening angle ?	115 °
Permissible linear acceleration (oil lubrication)	235 g [m/s]
Permissible rotational acceleration (oil lubrication)	677 g [m/s]