

# SKF NU 29/1180 ECMA/HA1 thrust ball bearings

Welcome 240x160x38 Size (mm) to the SKF NU 29/1180 ECMA/HA1 thrust ball bearings online seller.

Size (mm)	240x160x38
Bore Diameter (mm)	240
Outer Diameter (mm)	160
Width (mm)	38
d	160 mm
D	240 mm
B	38 mm
d1	184.7 mm
d2	184.7 mm
D1	215.3 mm
b	2.8 mm
C1	21.2 mm
C2	7.1 mm
C3	6.6 mm
r1,2 – min.	2.1 mm
r3,4 – min.	1 mm
a	65.9 mm
da – min.	171 mm
db – min.	171 mm
Da – max.	229 mm
Db – max.	235 mm
ra – max.	2 mm
rb – max.	1 mm

dn	191.4 mm
Basic dynamic load rating – C	182 kN
Basic static load rating – C0	204 kN
Fatigue load limit – Pu	6.2 kN
Limiting speed for grease lubrication	5000 r/min
Limiting speed for oil lubrication	7500 mm/min
Ball – Dw	25.4 mm
Ball – z	22
Gref	66 cm <sup>3</sup>
Calculation factor – e	0.68
Calculation factor – Y2	1.41
Calculation factor – Y0	0.76
Calculation factor – X2	0.67
Calculation factor – Y1	0.92
Preload class A – GA	1150 N
Preload class B – GB	2300 N
Preload class C – GC	4600 N
Preload class D – GD	9200 N
Calculation factor – f	1.16
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – f2D	1.08
Calculation factor – fHC	1
Preload class A	414 N/micron
Preload class B	540 N/micron
Preload class C	717 N/micron
Preload class D	968 N/micron

r <sub>1,2</sub> min.	2.1 mm
r <sub>3,4</sub> min.	1 mm
d <sub>a</sub> min.	171 mm
d <sub>b</sub> min.	171 mm
D <sub>a</sub> max.	229 mm
D <sub>b</sub> max.	235 mm
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	1 mm
Basic dynamic load rating C	182 kN
Basic static load rating C <sub>0</sub>	204 kN
Fatigue load limit P <sub>u</sub>	6.2 kN
Attainable speed for grease lubrication	5000 r/min
Attainable speed for oil-air lubrication	7500 r/min
Ball diameter D <sub>w</sub>	25.4 mm
Number of balls z	22
Reference grease quantity G <sub>ref</sub>	66 cm <sup>3</sup>
Preload class A G <sub>A</sub>	1150 N
Static axial stiffness, preload class A	414 N/μm
Preload class B G <sub>B</sub>	2300 N
Static axial stiffness, preload class B	540 N/μm
Preload class C G <sub>C</sub>	4600 N
Static axial stiffness, preload class C	717 N/μm
Preload class D G <sub>D</sub>	9200 N
Static axial stiffness, preload class D	968 N/μm
Calculation factor f	1.16
Calculation factor f <sub>1</sub>	0.99
Calculation factor f <sub>2A</sub>	1
Calculation factor f <sub>2B</sub>	1.02
Calculation factor f <sub>2C</sub>	1.05

Calculation factor f2D	1.08
Calculation factor fHC	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (single, tandem) Y0	0.38
Calculation factor (single, tandem) X2	0.41
Calculation factor (back-to-back, face-to-face) Y1	0.92
Calculation factor (back-to-back, face-to-face) Y2	1.41
Calculation factor (back-to-back, face-to-face) Y0	0.76
Calculation factor (back-to-back, face-to-face) X2	0.67
Mass bearing	5.15 kg