

# SKF 6306-2Z/VA228 deep groove ball bearings

Welcome to the SKF 6306-2Z/VA228 deep groove ball bearings online 42x25x9 Size (mm) seller.

Size (mm)	42x25x9
Bore Diameter (mm)	42
Outer Diameter (mm)	25
Width (mm)	9
d	25 mm
D	42 mm
B	9 mm
d1	30.6 mm
d2	30.6 mm
D1	36.4 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.2 mm
a	9 mm
da – min.	27 mm
db – min.	27 mm
Da – max.	40 mm
Db – max.	40.6 mm
ra – max.	0.3 mm
rb – max.	0.2 mm
dn	31.8 mm
Basic dynamic load rating – C	6.8 kN
Basic static load rating – C0	4 kN
Fatigue load limit – Pu	0.17 kN

Limiting speed for grease lubrication	45000 r/min
Limiting speed for oil lubrication	63000 mm/min
Ball – Dw	4.762 mm
Ball – z	18
Gref	0.54 cm <sup>3</sup>
Calculation factor – f <sub>0</sub>	10.2
Preload class A – GA	25 N
Preload class B – GB	50 N
Preload class C – GC	100 N
Preload class D – GD	200 N
Calculation factor – f	1
Calculation factor – f <sub>2A</sub>	1
Calculation factor – f <sub>2B</sub>	1.07
Calculation factor – f <sub>2C</sub>	1.12
Calculation factor – f <sub>2D</sub>	1.18
Calculation factor – f <sub>HC</sub>	1.04
Preload class A	27 N/micron
Preload class B	36 N/micron
Preload class C	49 N/micron
Preload class D	69 N/micron
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7   ISO P4
Material – Ball	Ceramic

Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	None
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Rolling Element	Ball Bearing
Flush Ground	No
Inch – Metric	Metric
Other Features	Single Row   Angular Contact   High Capacity Basic Design
Long Description	25MM Bore; 42MM Outside Diameter; 9MM Width; Open Enclosure; ABEC 7   ISO P4 Precision; Ceramic Ball
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Width	0.354 Inch   9 Millimeter
Bore	0.984 Inch   25 Millimeter
Outside Diameter	1.654 Inch   42 Millimeter
r1,2 min.	0.3 mm
r3,4 min.	0.2 mm
da min.	27 mm
db min.	27 mm
Da max.	40 mm
Db max.	40.6 mm

ra max.	0.3 mm
rb max.	0.2 mm
Basic dynamic load rating C	6.76 kN
Basic static load rating C0	4 kN
Fatigue load limit Pu	0.17 kN
Attainable speed for grease lubrication	45000 r/min
Attainable speed for oil-air lubrication	63000 r/min
Ball diameter Dw	4.762 mm
Number of balls z	18
Reference grease quantity Gref	0.54 cm <sup>3</sup>
Preload class A GA	25 N
Static axial stiffness, preload class A	27 N/μm
Preload class B GB	50 N
Static axial stiffness, preload class B	36 N/μm
Preload class C GC	100 N
Static axial stiffness, preload class C	49 N/μm
Preload class D GD	200 N
Static axial stiffness, preload class D	69 N/μm
Calculation factor f	1.07
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.07
Calculation factor f2C	1.12
Calculation factor f2D	1.18

Calculation factor fHC	1.04
Calculation factor f $\theta$	10.2
Mass bearing	0.039 kg