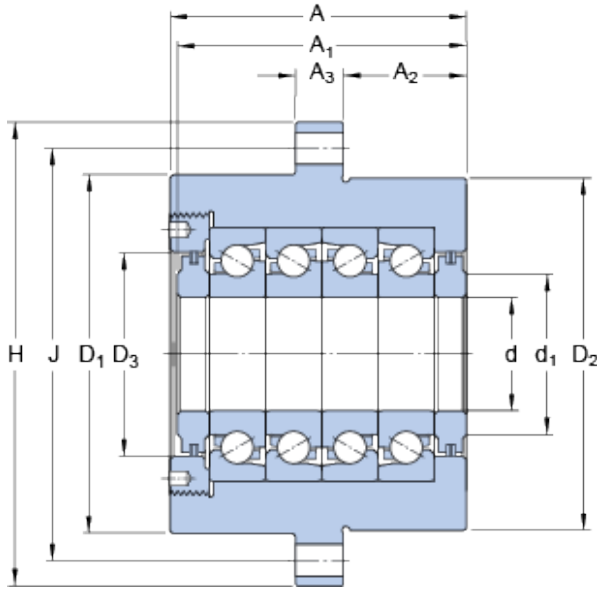




# Off-the-shelf SKF shaft Co., Ltd

## SKF FBSA 206/QFC Super-precision bearings



Bearing No. FBSA 206/QFC

FBSA 206/QFC Bearing 2D drawings and 3D CAD models

Size	30x120x84 mm
Bore Diameter	30 mm
Outer Diameter	120 mm
Width	84 mm
d	30 mm
H	120 mm
A	84 mm
A <sub>1</sub>	80.74 mm
A <sub>2</sub>	32 mm
A <sub>3</sub>	15 mm
d <sub>1</sub>	41 mm
D <sub>1</sub>	88 mm
D <sub>2</sub>	80 mm
D <sub>3</sub>	50 mm
Basic dynamic load rating - C	46.5 kN
Basic static load rating - C <sub>0</sub>	142 kN
Fatigue load limit - P <sub>u</sub>	5.3 kN
Limiting speed, Preload class A	4000 r/min
Limiting speed for oil lubrication	2000 mm/min
Preload class A	4300 N
Preload class B	8600 N
Frictional moment, Preload class A	0.24 N · m



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Frictional moment, Preload class B	0.42 N · m
Static Axial rigidity, Preload class A	1740 N/micron
Static Axial rigidity, Preload class B	2220 N/micron
A <sub>1</sub>	80.74 mm
A <sub>2</sub>	32 mm
A <sub>3</sub>	15 mm
d <sub>1</sub>	41 mm
D <sub>1</sub>	88 mm
D <sub>2</sub>	80 mm
D <sub>3</sub>	50 mm
Basic dynamic load rating C	46.5 kN
Basic static load rating C <sub>0</sub>	142 kN
Fatigue load limit P <sub>u</sub>	5.3 kN
Attainable speed for preload class A	4000 r/min
Attainable speed for preload class B	2000 r/min
Frictional moment for preload class A	0.24 N · m
Frictional moment for preload class B	0.42 N · m
Static axial stiffness for preload class A	1740 N/ μ m
Static axial stiffness for preload class B	2220 N/ μ m
Mass cartridge unit	3.5 kg
Through hole diameter for attachment bolts N	9.2 mm
Pitch diameter of attachment bolt holes J	102 mm
Cartridge half diameter without flange J <sub>1</sub>	44 mm