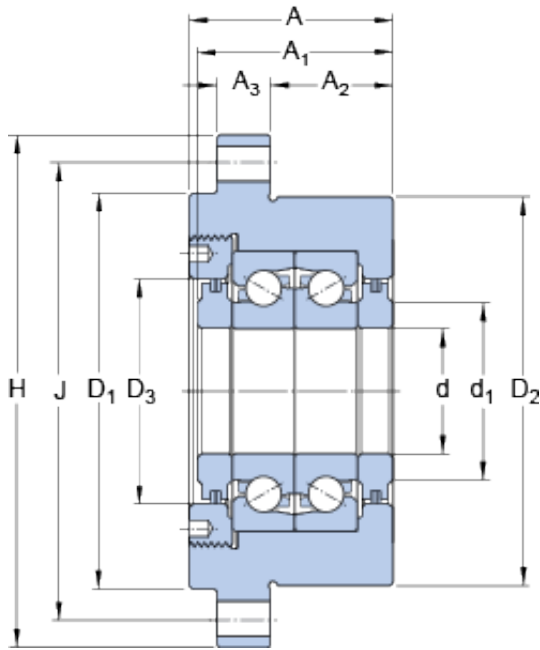




# DPA Bearing Sales Corp.



FBSA 209/DF Bearing 2D drawings and 3D CAD models

## SKF FBSA 209/DF Free Choice of Arrangement Precision Bearings

Bearing No. FBSA 209/DF

Size	45x165x66 mm
Bore Diameter	45 mm
Outer Diameter	165 mm
Width	66 mm
d	45 mm
H	165 mm
A	66 mm
A <sub>1</sub>	63.24 mm
A <sub>2</sub>	43.5 mm
A <sub>3</sub>	17 mm
d <sub>1</sub>	66 mm
D <sub>1</sub>	128 mm
D <sub>2</sub>	124 mm
D <sub>3</sub>	76 mm
Basic dynamic load rating - C	45 kN
Basic static load rating - C <sub>0</sub>	134 kN
Fatigue load limit - P <sub>u</sub>	4.9 kN
Limiting speed, Preload class A	5040 r/min
Limiting speed for oil lubrication	2520 mm/min
Preload class A	3750 N
Preload class B	7500 N
Frictional moment, Preload	0.23 N · m



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class A	
Frictional moment, Preload class B	0.52 N · m
Static Axial rigidity, Preload class A	1290 N/micron
Static Axial rigidity, Preload class B	1640 N/micron
A <sub>1</sub>	63.24 mm
A <sub>2</sub>	43.5 mm
A <sub>3</sub>	17 mm
d <sub>1</sub>	66 mm
D <sub>1</sub>	128 mm
D <sub>2</sub>	124 mm
D <sub>3</sub>	76 mm
Basic dynamic load rating C	45 kN
Basic static load rating C <sub>0</sub>	134 kN
Fatigue load limit P <sub>u</sub>	4.9 kN
Attainable speed for preload class A	5040 r/min
Attainable speed for preload class B	2520 r/min
Frictional moment for preload class A	0.23 N · m
Frictional moment for preload class B	0.52 N · m
Static axial stiffnes for preload class A	1290 N/ μ m
Static axial stiffnes for preload class B	1640 N/ μ m
Mass cartridge unit	5.9 kg
Through hole diameter for attachment bolts N	11.4 mm
Pitch diameter of attachment bolt holes J	146 mm
Cartridge half diameter without flange J <sub>1</sub>	64 mm



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