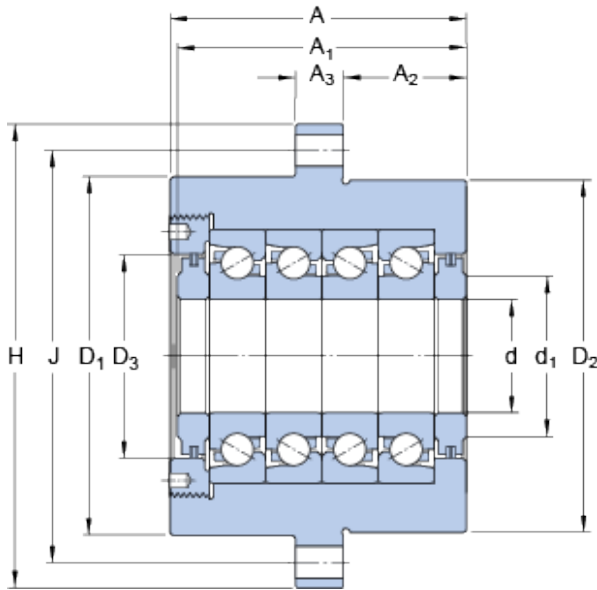




AMERICAN BEARING MFG.CORP.

SKF FBSA 205/QBC thrust ball bearings



Bearing No. FBSA 205/QBC

Size	25x120x82 mm
Bore Diameter	25 mm
Outer Diameter	120 mm
Width	82 mm
d	25 mm
H	120 mm
A	82 mm
A ₁	80.26 mm
A ₂	32 mm
A ₃	15 mm
d ₁	34 mm
D ₁	88 mm
D ₂	80 mm
D ₃	40 mm
Basic dynamic load rating - C	36.5 kN
Basic static load rating - C ₀	104 kN
Fatigue load limit - P _u	3.9 kN
Limiting speed, Preload class A	4500 r/min
Limiting speed for oil lubrication	2250 mm/min
Preload class A	3160 N
Preload class B	6320 N
Frictional moment, Preload class A	0.138 N · m

FBSA 205/QBC Bearing 2D drawings and 3D CAD models



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Frictional moment, Preload class B	0.24 N · m
Static Axial rigidity, Preload class A	1450 N/micron
Static Axial rigidity, Preload class B	1850 N/micron
A ₁	80.26 mm
A ₂	32 mm
A ₃	15 mm
d ₁	34 mm
D ₁	88 mm
D ₂	80 mm
D ₃	40 mm
Basic dynamic load rating C	36.5 kN
Basic static load rating C ₀	104 kN
Fatigue load limit P _u	3.86 kN
Attainable speed for preload class A	4500 r/min
Attainable speed for preload class B	2250 r/min
Frictional moment for preload class A	0.138 N · m
Frictional moment for preload class B	0.24 N · m
Static axial stiffnes for preload class A	1450 N/ μ m
Static axial stiffnes for preload class B	1850 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 ₁	44 mm