



Bearing No. 7205 BECBPH

a	24 mm
d	25 mm
D	52 mm
B	15 mm
Size (mm)	52x25x15
Width (mm)	15
Mass bearing	0.13 kg
d <sub>1</sub>	36.1 mm
d <sub>2</sub>	30.87 mm
D <sub>1</sub>	41.5 mm
Limiting speed	17000 r/min
Bearing number	7205 BECBPH
Reference speed	17000 r/min
d <sub>a</sub> min.	30.6 mm
D <sub>a</sub> max.	46.4 mm
D <sub>b</sub> max.	47.8 mm
Bore Diameter (mm)	52
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	0.6 mm
Outer Diameter (mm)	25
r <sub>3,4</sub> min.	0.6 mm
r <sub>1,2</sub> min.	1 mm
Calculation factor A	1.4
Calculation factor e	1.14
Calculation factor X	0.57
r <sub>b</sub> - max.	0.6 mm
r <sub>a</sub> - max.	1 mm
D <sub>b</sub> - max.	47.8 mm
D <sub>a</sub> - max.	46.4 mm
d <sub>a</sub> - min.	30.6 mm

D <sub>1</sub> ?	41.5 mm
d <sub>1</sub> ?	36.1 mm
d <sub>2</sub> ?	30.87 mm
r <sub>1,2</sub> - min.	1 mm
r <sub>3,4</sub> - min.	0.6 mm
Calculation factor - X	0.35
Calculation factor - e	1.14
Basic dynamic load rating C	15.6 kN
Basic dynamic load rating - C	15.6 kN
Calculation factor k <sub>r</sub>	0.095
Calculation factor Y <sub>0</sub>	0.52
Calculation factor Y <sub>2</sub>	0.93
Calculation factor Y <sub>1</sub>	0.55
Fatigue load limit P <sub>u</sub>	0.43 kN
Calculation factor - Y <sub>0</sub>	0.26
Calculation factor - Y <sub>1</sub>	
Calculation factor - k <sub>a</sub>	1.4
Calculation factor - k <sub>r</sub>	0.095
Calculation factor - Y <sub>2</sub>	0.57
Fatigue load limit - P <sub>u</sub>	0.43 kN
Basic static load rating C <sub>0</sub>	10 kN
Basic static load rating - C <sub>0</sub>	10 kN