

# FAG FW9242 angular contact ball bearings

FAG FW9242 angular contact ball bearings Needs Analysis , 200 mm D Manufacturing Service . Get Your Free. 85 mm d

d	85 mm
D	200 mm
B	45 mm
B1	68 mm
d3	125 mm
D1 ≈	170.5 mm
B4	19 mm
C1	1.486 mm
r1,2 min.	3 mm
da max.	127 mm
db min.	102 mm
Da max.	186 mm
Ba min.	8 mm
ra max.	3 mm
Basic dynamic load rating C	133 kN
Basic static load rating C0	51 kN
Fatigue load limit Pu	2.16 kN
Reference speed	6300 r/min
Limiting speed	4300 r/min
Permissible angular misalignment α	3 °
Calculation factor kr	0.045
Calculation factor e	0.23
Calculation factor Y0	2.8

Calculation factor Y1	2.7
Calculation factor Y2	4.2
Mass bearing + adapter sleeve	7.9 kg