

FAG 222S.308-MA spherical roller bearings

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d	20 mm
D	37 mm
B	9 mm
d1	25.6 mm
d2	25.6 mm
D1	31.4 mm
r1,2 min.	0.3 mm
r3,4 min.	0.2 mm
a	8.4 mm
da min.	22 mm
db min.	22 mm
Da max.	35 mm
Db max.	35.6 mm
ra max.	0.3 mm
rb max.	0.2 mm
Basic dynamic load rating C	6.05 kN
Basic static load rating C0	3.2 kN
Fatigue load limit Pu	0.137 kN
Attainable speed for grease lubrication	43000 r/min
Ball diameter Dw	4.762 mm
Number of balls z	15

Reference grease quantity G_{ref}	0.45 cm ³
Preload class A GA	25 N
Static axial stiffness, preload class A	22 N/ μ m
Preload class B GB	50 N
Static axial stiffness, preload class B	29 N/ μ m
Preload class C GC	100 N
Static axial stiffness, preload class C	40 N/ μ m
Preload class D GD	200 N
Static axial stiffness, preload class D	56 N/ μ m
Calculation factor f	1.05
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.09
Calculation factor f_{2D}	1.15
Calculation factor f_{HC}	1
Calculation factor f_0	9.8
Mass bearing	0.035 kg