

ZEN SF689-2RS deep groove ball bearings

Online shopping 37x25x7 Size (mm) ZEN SF689-2RS deep groove ball bearings from a great selection at Store. ... 25 Outer Diameter (mm) Accessories.

Size (mm)	37x25x7
Bore Diameter (mm)	37
Outer Diameter (mm)	25
Width (mm)	7
d	25 mm
D	37 mm
B	7 mm
d1	29.1 mm
d2	29.1 mm
D1	33.1 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	7.7 mm
da – min.	27 mm
db – min.	27 mm
Da – max.	35 mm
Db – max.	36.2 mm
ra – max.	0.3 mm
rb – max.	0.15 mm
dn	29.5 mm
Basic dynamic load rating – C	4.2 kN
Basic static load rating – C0	3.2 kN

Fatigue load limit – Pu	0.137 kN
Limiting speed for grease lubrication	45000 r/min
Limiting speed for oil lubrication	70000 mm/min
Ball – Dw	3.175 mm
Ball – z	20
Gref	0.21 cm ³
Calculation factor – f ₀	16.4
Preload class A – GA	22 N
Preload class B – GB	66 N
Preload class C – GC	132 N
Calculation factor – f	1
Calculation factor – f _{2A}	1
Calculation factor – f _{2B}	1.1
Calculation factor – f _{2C}	1.18
Calculation factor – f _{HC}	1.02
Preload class A	29 N/micron
Preload class B	49 N/micron
Preload class C	71 N/micron
r _{1,2} min.	0.3 mm
r _{3,4} min.	0.15 mm
d _a min.	27 mm
d _b min.	27 mm
D _a max.	35 mm
D _b max.	36.2 mm
r _a max.	0.3 mm
r _b max.	0.15 mm
Basic dynamic load rating C	4.16 kN
Basic static load rating C ₀	3.2 kN
Fatigue load limit Pu	0.137 kN

Attainable speed for grease lubrication	45000 r/min
Attainable speed for oil-air lubrication	70000 r/min
Ball diameter D_w	3.175 mm
Number of balls z	20
Reference grease quantity G_{ref}	0.21 cm ³
Preload class A G_A	22 N
Static axial stiffness, preload class A	29 N/ μ m
Preload class B G_B	66 N
Static axial stiffness, preload class B	49 N/ μ m
Preload class C G_C	132 N
Static axial stiffness, preload class C	71 N/ μ m
Calculation factor f	1.11
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.1
Calculation factor f_{2C}	1.18
Calculation factor f_{HC}	1.02
Calculation factor f_0	16.4
Mass bearing	0.019 kg