

# SNR UCSP202 bearing units

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d	45 mm
D	68 mm
B	12 mm
d1	52.6 mm
d2	52.6 mm
D1	60.4 mm
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm
a	13.6 mm
da min.	48.2 mm
db min.	48.2 mm
Da max.	64.8 mm
Db max.	66.6 mm
ra max.	0.6 mm
rb max.	0.3 mm
Basic dynamic load rating C	13 kN
Basic static load rating C0	9.5 kN
Fatigue load limit Pu	0.4 kN
Attainable speed for grease lubrication	24000 r/min
Ball diameter Dw	6.35 mm
Number of balls z	23
Reference grease quantity Gref	1.62 cm <sup>3</sup>
Preload class A GA	50 N
Static axial stiffness, preload class A	44 N/μm

Preload class B GB	100 N
Static axial stiffness, preload class B	59 N/ $\mu\text{m}$
Preload class C GC	200 N
Static axial stiffness, preload class C	81 N/ $\mu\text{m}$
Preload class D GD	400 N
Static axial stiffness, preload class D	115 N/ $\mu\text{m}$
Calculation factor f	1.11
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.07
Calculation factor f2C	1.12
Calculation factor f2D	1.18
Calculation factor fHC	1.04
Calculation factor f $\theta$	10.5
Mass bearing	0.12 kg