

# KOYO UCSFL208H1S6 bearing units

Our 180 mm D highly-skilled and factory-trained service experts have 120 mm d the resources to help you with all your KOYO UCSFL208H1S6 bearing units needs – including routine maintenance, major repairs, warranty service, and equipment inspections.

d	120 mm
D	180 mm
B	28 mm
d1	138.5 mm
d2	138.5 mm
D1	161.5 mm
b	2.8 mm
C1	15 mm
C2	6.2 mm
C3	5.4 mm
r1,2 min.	2 mm
r3,4 min.	1 mm
a	34.2 mm
da min.	129 mm
db min.	129 mm
Da max.	171 mm
Db max.	175 mm
ra max.	2 mm
rb max.	1 mm
dn	142.6 mm

Basic dynamic load rating C	114 kN
Basic static load rating C <sub>0</sub>	122 kN
Fatigue load limit P <sub>u</sub>	4.25 kN
Attainable speed for grease lubrication	8500 r/min
Attainable speed for oil-air lubrication	13000 r/min
Ball diameter D <sub>w</sub>	19.05 mm
Number of balls z	22
Reference grease quantity G <sub>ref</sub>	27 cm <sup>3</sup>
Preload class A G <sub>A</sub>	430 N
Static axial stiffness, preload class A	146 N/μm
Preload class B G <sub>B</sub>	860 N
Static axial stiffness, preload class B	198 N/μm
Preload class C G <sub>C</sub>	1720 N
Static axial stiffness, preload class C	278 N/μm
Preload class D G <sub>D</sub>	3440 N
Static axial stiffness, preload class D	404 N/μm
Calculation factor f	1.17
Calculation factor f <sub>1</sub>	1
Calculation factor f <sub>2A</sub>	1
Calculation factor f <sub>2B</sub>	1.02
Calculation factor f <sub>2C</sub>	1.05
Calculation factor f <sub>2D</sub>	1.09
Calculation factor f <sub>HC</sub>	1.02
Calculation factor f <sub>0</sub>	15.7
Mass bearing	1.76 kg