

# ISO GE20D0-2RS plain bearings

What is the best place to buy ISO GE20D0-2RS plain bearings online? 190 Bore Diameter (mm) Manufacturing 190x140x24 Size (mm) 140 Outer Diameter (mm) Service .

Size (mm)	190x140x24
Bore Diameter (mm)	190
Outer Diameter (mm)	140
Width (mm)	24
d	140 mm
D	190 mm
B	24 mm
d1	155.4 mm
d2	155.4 mm
D1	174.6 mm
b	2.6 mm
C1	13.3 mm
C2	5.4 mm
C3	2.9 mm
r1,2 – min.	1.5 mm
r3,4 – min.	0.6 mm
a	50.6 mm
da – min.	147 mm
db – min.	147 mm
Da – max.	183 mm
Db – max.	186 mm
ra – max.	1.5 mm
rb – max.	0.6 mm

dn	159.5 mm
Basic dynamic load rating – C	90.4 kN
Basic static load rating – C0	110 kN
Fatigue load limit – Pu	3.6 kN
Limiting speed for grease lubrication	7000 r/min
Limiting speed for oil lubrication	11000 mm/min
Ball – Dw	15.875 mm
Ball – z	29
Gref	21.6 cm <sup>3</sup>
Calculation factor – e	0.68
Calculation factor – Y2	1.41
Calculation factor – Y0	0.76
Calculation factor – X2	0.67
Calculation factor – Y1	0.92
Preload class A – GA	560 N
Preload class B – GB	1120 N
Preload class C – GC	2240 N
Preload class D – GD	4480 N
Calculation factor – f	1.29
Calculation factor – f1	0.98
Calculation factor – f2A	1
Calculation factor – f2B	1.07
Calculation factor – f2C	1.12
Calculation factor – f2D	1.17
Calculation factor – fHC	1.04
Preload class A	386 N/micron
Preload class B	507 N/micron
Preload class C	681 N/micron
Preload class D	933 N/micron

r <sub>1,2</sub> min.	1.5 mm
r <sub>3,4</sub> min.	0.6 mm
d <sub>a</sub> min.	147 mm
d <sub>b</sub> min.	147 mm
D <sub>a</sub> max.	183 mm
D <sub>b</sub> max.	186 mm
r <sub>a</sub> max.	1.5 mm
r <sub>b</sub> max.	0.6 mm
Basic dynamic load rating C	90.4 kN
Basic static load rating C <sub>0</sub>	110 kN
Fatigue load limit P <sub>u</sub>	3.65 kN
Attainable speed for grease lubrication	7000 r/min
Attainable speed for oil-air lubrication	11000 r/min
Ball diameter D <sub>w</sub>	15.875 mm
Number of balls z	29
Reference grease quantity G <sub>ref</sub>	21.6 cm <sup>3</sup>
Preload class A G <sub>A</sub>	560 N
Static axial stiffness, preload class A	386 N/μm
Preload class B G <sub>B</sub>	1120 N
Static axial stiffness, preload class B	507 N/μm
Preload class C G <sub>C</sub>	2240 N
Static axial stiffness, preload class C	681 N/μm
Preload class D G <sub>D</sub>	4480 N
Static axial stiffness, preload class D	933 N/μm
Calculation factor f	1.29
Calculation factor f <sub>1</sub>	0.98
Calculation factor f <sub>2A</sub>	1
Calculation factor f <sub>2B</sub>	1.07
Calculation factor f <sub>2C</sub>	1.12

Calculation factor f2D	1.17
Calculation factor fHC	1.04
Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (single, tandem) Y0	0.38
Calculation factor (single, tandem) X2	0.41
Calculation factor (back-to-back, face-to-face) Y1	0.92
Calculation factor (back-to-back, face-to-face) Y2	1.41
Calculation factor (back-to-back, face-to-face) Y0	0.76
Calculation factor (back-to-back, face-to-face) X2	0.67
Mass bearing	1.39 kg