

# ISO 71920 CDF angular contact ball bearings

LET OUR 165 Bore Diameter (mm) ISO 71920 CDF angular contact ball bearings EXPERTS GET YOU THE PARTS YOU 165x120x22 Size (mm) NEED.

Size (mm)	165x120x22
Bore Diameter (mm)	165
Outer Diameter (mm)	120
Width (mm)	22
d	120 mm
D	165 mm
B	22 mm
d1	134 mm
d2	130.2 mm
D1	151.01 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	31 mm
da – min.	126 mm
db – min.	123.2 mm
Da – max.	159 mm
Db – max.	161.8 mm
ra – max.	1 mm
rb – max.	0.6 mm
dn	137.4 mm
Basic dynamic load rating – C	47.5 kN
Basic static load rating – C0	40.5 kN

Fatigue load limit – Pu	1.4 kN
Limiting speed for grease lubrication	12700 r/min
Limiting speed for oil lubrication	19000 mm/min
Ball – Dw	14.288 mm
Ball – z	24
Gref	15 cm <sup>3</sup>
Calculation factor – f <sub>0</sub>	8.5
Preload class A – GA	250 N
Preload class B – GB	760 N
Preload class C – GC	1530 N
Calculation factor – f	1
Calculation factor – f <sub>2A</sub>	1
Calculation factor – f <sub>2B</sub>	1.05
Calculation factor – f <sub>2C</sub>	1.09
Calculation factor – f <sub>HC</sub>	1.01
Preload class A	91 N/micron
Preload class B	144 N/micron
Preload class C	198 N/micron
r <sub>1,2</sub> min.	1.1 mm
r <sub>3,4</sub> min.	0.6 mm
d <sub>a</sub> min.	126 mm
d <sub>b</sub> min.	123.2 mm
D <sub>a</sub> max.	159 mm
D <sub>b</sub> max.	161.8 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	0.6 mm
Basic dynamic load rating C	47.5 kN
Basic static load rating C <sub>0</sub>	40.5 kN
Fatigue load limit Pu	1.4 kN

Attainable speed for grease lubrication	12700 r/min
Attainable speed for oil-air lubrication	19000 r/min
Ball diameter $D_w$	14.288 mm
Number of balls $z$	24
Reference grease quantity $G_{ref}$	15 cm <sup>3</sup>
Preload class A $G_A$	250 N
Static axial stiffness, preload class A	91 N/ $\mu$ m
Preload class B $G_B$	760 N
Static axial stiffness, preload class B	144 N/ $\mu$ m
Preload class C $G_C$	1530 N
Static axial stiffness, preload class C	198 N/ $\mu$ m
Calculation factor $f$	1.18
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.05
Calculation factor $f_{2C}$	1.09
Calculation factor $f_{HC}$	1.01
Calculation factor $f_0$	8.5
Mass bearing	0.93 kg