

# PFI PHU3080 angular contact ball bearings

What are the types of PFI PHU3080 angular contact ball bearings 62x40x12 Size (mm) ? 62 Bore Diameter (mm) Manufacturing Service . 40 Outer Diameter (mm) Get Your Free, Instant price, design review.

Size (mm)	62x40x12
Bore Diameter (mm)	62
Outer Diameter (mm)	40
Width (mm)	12
d	40 mm
D	62 mm
B	12 mm
d1	48.46 mm
d2	47.6 mm
D2	55.64 mm
b	2 mm
C1	5.9 mm
C2	2.8 mm
C3	1.7 mm
r1,2 – min.	0.6 mm
r3,4 – min.	0.3 mm
a	20.2 mm
da – min.	43.2 mm
db – min.	43.2 mm
Da – max.	58.8 mm
Db – max.	60 mm

ra – max.	0.6 mm
rb – max.	0.3 mm
dn	49.1 mm
Basic dynamic load rating – C	5.1 kN
Basic static load rating – C0	4 kN
Fatigue load limit – Pu	0.166 kN
Limiting speed for grease lubrication	32000 r/min
Limiting speed for oil lubrication	50000 mm/min
Ball – Dw	3.969 mm
Ball – z	28
Gref	1.38 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	31 N
Preload class B – GB	62 N
Preload class C – GC	185 N
Calculation factor – f	1.06
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.08
Calculation factor – fHC	1.01
Preload class A	73 N/micron
Preload class B	92 N/micron
Preload class C	138 N/micron
r1,2 min.	0.6 mm

r <sub>3,4</sub> min.	0.3 mm
d <sub>a</sub> min.	43.2 mm
d <sub>b</sub> min.	43.2 mm
D <sub>a</sub> max.	58.8 mm
D <sub>b</sub> max.	60 mm
r <sub>a</sub> max.	0.6 mm
r <sub>b</sub> max.	0.3 mm
Basic dynamic load rating C	6.76 kN
Basic static load rating C <sub>0</sub>	6.4 kN
Fatigue load limit P <sub>u</sub>	0.166 kN
Attainable speed for grease lubrication	32000 r/min
Attainable speed for oil-air lubrication	50000 r/min
Ball diameter D <sub>w</sub>	3.969 mm
Number of balls z	28
Reference grease quantity G <sub>ref</sub>	1.38 cm <sup>3</sup>
Preload class A G <sub>A</sub>	31 N
Static axial stiffness, preload class A	73 N/μm
Preload class B G <sub>B</sub>	62 N
Static axial stiffness, preload class B	92 N/μm
Preload class C G <sub>C</sub>	185 N
Static axial stiffness, preload class C	138 N/μm
Calculation factor f	1.06
Calculation factor f <sub>1</sub>	0.99
Calculation factor f <sub>2A</sub>	1
Calculation factor f <sub>2B</sub>	1.02
Calculation factor f <sub>2C</sub>	1.08
Calculation factor f <sub>HC</sub>	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y <sub>2</sub>	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	0.11 kg