FAG 6024-2RSR deep groove ball bearings

With over 10170 full-service stores, our FAG 6024-2RSR deep groove ball bearings inventory is extensive and our parts are priced right. 42 Bore Diameter (mm) 20 Outer Diameter (mm) within 24 hours. This helps you 42x20x12 Size (mm) maximize your productivity by saving time and your hard-earned dollars.

Size (mm)	42x20x12
Bore Diameter (mm)	42
Outer Diameter (mm)	20
Width (mm)	12
d	20 mm
D	42 mm
B	12 mm
d1	27.1 mm
d2	27.1 mm
D2	37 mm
r1,2 – min.	0.6 mm
r3,4 – min.	0.3 mm
a	13.3 mm
da – min.	23.2 mm
da – max.	26.6 mm
db – min.	23.2 mm
db – max.	26.6 mm
Da – max.	38.8 mm
Db – max.	40 mm
ra – max.	0.6 mm

rb – max.	0.3 mm
Basic dynamic load rating – C	8.3 kN
Basic static load rating – C0	4.2 kN
Fatigue load limit – Pu	0.173 kN
Limiting speed for grease lubrication	45000 r/min
Ball – Dw	6.35 mm
Ball – z	12
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	50 N
Preload class B – GB	100 N
Preload class C – GC	200 N
Preload class D – GD	400 N
Calculation factor – f	1.03
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – f2D	1.08
Calculation factor – fHC	1.02
Preload class A	60 N/micron
Preload class B	77 N/micron
Preload class C	100 N/micron
Preload class D	133 N/micron
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm

da min.	23.2 mm
da max.	26.6 mm
db min.	23.2 mm
db max.	26.6 mm
Da max.	38.8 mm
Db max.	40 mm
ra max.	0.6 mm
rb max.	0.3 mm
Basic dynamic load rating C	8.32 kN
Basic static load rating C0	4.15 kN
Fatigue load limit Pu	0.173 kN
Attainable speed for grease lubrication	45000 r/min
Ball diameter Dw	6.35 mm
Number of balls z	12
Preload class A GA	50 N
Static axial stiffness, preload class A	60 N/µm
Preload class B GB	100 N
Static axial stiffness, preload class B	77 N/µm
Preload class C GC	200 N
Static axial stiffness, preload class C	100 N/µm
Preload class D GD	400 N
Static axial stiffness, preload class D	133 N/µm
Calculation factor f	1.03
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.02
Calculation factor f2C	1.05
Calculation factor f2D	1.08
Calculation factor fHC	1.02

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	0.06 kg