

# FAG NJ2218-E-TVP2 cylindrical roller bearings

We work closely with our FAG NJ2218-E-TVP2 cylindrical roller bearings manufacturing partners to 50 Outer Diameter (mm) bring the best value to 80x50x16 Size (mm) customers.

Size (mm)	80x50x16
Bore Diameter (mm)	80
Outer Diameter (mm)	50
Width (mm)	16
d	50 mm
D	80 mm
B	16 mm
d1	60.25 mm
d2	57.9 mm
D1	69.75 mm
b	1.6 mm
C1	4.7 mm
C2	2.7 mm
C3	3 mm
r1,2 – min.	1 mm
r3,4 – min.	0.6 mm
a	16.8 mm
da – min.	54.6 mm
db – min.	54.6 mm
Da – max.	75.4 mm
Db – max.	75.8 mm
ra – max.	1 mm

rb – max.	0.6 mm
dn	62.3 mm
Basic dynamic load rating – C	15.6 kN
Basic static load rating – C0	10.6 kN
Fatigue load limit – Pu	0.45 kN
Limiting speed for grease lubrication	30000 r/min
Limiting speed for oil lubrication	46000 mm/min
Ball – Dw	7.938 mm
Ball – z	21
Gref	4.1 cm <sup>3</sup>
Calculation factor – f0	8.2
Preload class A – GA	85 N
Preload class B – GB	250 N
Preload class C – GC	500 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.05
Calculation factor – fHC	1.01
Preload class A	46 N/micron
Preload class B	72 N/micron
Preload class C	98 N/micron
r1,2 min.	1 mm
r3,4 min.	0.6 mm
da min.	54.6 mm
db min.	54.6 mm
Da max.	75.4 mm
Db max.	75.8 mm
ra max.	1 mm

rb max.	0.6 mm
Basic dynamic load rating C	15.6 kN
Basic static load rating C0	10.6 kN
Fatigue load limit Pu	0.45 kN
Attainable speed for grease lubrication	30000 r/min
Attainable speed for oil-air lubrication	46000 r/min
Ball diameter Dw	7.938 mm
Number of balls z	21
Reference grease quantity Gref	4.1 cm <sup>3</sup>
Preload class A GA	85 N
Static axial stiffness, preload class A	46 N/μm
Preload class B GB	250 N
Static axial stiffness, preload class B	72 N/μm
Preload class C GC	500 N
Static axial stiffness, preload class C	98 N/μm
Calculation factor f	1.08
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.05
Calculation factor fHC	1.01
Calculation factor f0	8.2
Mass bearing	0.23 kg