

# Loyal RKS.221310101001 Customized crossed cylindrical roller slewing bearing with an external gear

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d	20 mm
D	42 mm
B	12 mm
d1	26.6 mm
d2	24.8 mm
D1	34.21 mm
K	0.5 mm
C1	3.67 mm
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm
a	10.2 mm
da min.	22 mm
db min.	22 mm
Da max.	40 mm
Db max.	39.6 mm
ra max.	0.6 mm
rb max.	0.3 mm

dn	28.1 mm
Basic dynamic load rating C	7.41 kN
Basic static load rating C0	3.35 kN
Fatigue load limit Pu	0.143 kN
Attainable speed for grease lubrication	65000 r/min
Attainable speed for oil-air lubrication	100000 r/min
Ball diameter Dw	6.35 mm
Number of balls z	12
Reference grease quantity Gref	1.1 cm <sup>3</sup>
Preload class A GA	40 N
Static axial stiffness, preload class A	23 N/μm
Preload class B GB	120 N
Static axial stiffness, preload class B	36 N/μm
Preload class C GC	235 N
Static axial stiffness, preload class C	49 N/μm
Calculation factor f	1.04
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 fθ	7.2
Mass bearing	0.056 kg