

# KOYO K25X29X17H needle roller bearings

Various 25 mm d types and 9 mm B sizes to accommodate your KOYO K25X29X17H needle roller bearings requirements.

d	25 mm
D	42 mm
B	9 mm
d1	30.6 mm
d2	30.6 mm
D2	39.15 mm
r1,2 min.	0.3 mm
r3,4 min.	0.2 mm
a	12.4 mm
da min.	27 mm
da max.	30.1 mm
db min.	27 mm
db max.	30.1 mm
Da max.	40 mm
Db max.	40.6 mm
ra max.	0.3 mm
rb max.	0.2 mm
Basic dynamic load rating C	6.37 kN
Basic static load rating C0	3.8 kN
Fatigue load limit Pu	0.16 kN
Attainable speed for grease lubrication	38000 r/min
Ball diameter Dw	4.762 mm
Number of balls z	18

Preload class A GA	40 N
Static axial stiffness, preload class A	66 N/ $\mu\text{m}$
Preload class B GB	80 N
Static axial stiffness, preload class B	86 N/ $\mu\text{m}$
Preload class C GC	160 N
Static axial stiffness, preload class C	112 N/ $\mu\text{m}$
Preload class D GD	320 N
Static axial stiffness, preload class D	149 N/ $\mu\text{m}$
Calculation factor f	1.07
Calculation factor f1	0.98
Calculation factor f2A	1
Calculation factor f2B	1.07
Calculation factor f2C	1.12
Calculation factor f2D	1.17
Calculation factor fHC	1.04
Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (back-to-back, face-to-face) Y1	0.92
Calculation factor (back-to-back, face-to-face) Y2	1.41
Mass bearing	0.038 kg