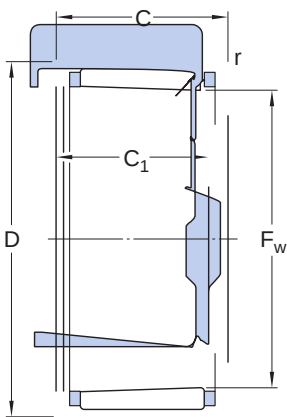


BK 0306 TN

Drawn cup needle roller bearings are typically used in applications where the housing bore cannot be used as a raceway for a needle roller and cage assembly, but where a very compact and economical bearing arrangement is required. Owing to the large number of rollers, the bearings have a high load carrying capacity and stiffness. The closed end makes them suitable for bearing arrangements where they are situated at the end of a shaft.



- High radial load carrying capacity
- Accommodate small axial guidance forces
- High stiffness
- Very low cross-sectional height



Dimensions		
F _w	3 mm	Diameter under rollers
D	6.5 mm	Outside diameter
C	6 mm	Width
C ₁	min. 5.2 mm	Depth of the drawn cup BK
r	min. 0.3 mm	Chamfer dimension drawn cup (outer ring)

Calculation data

Basic dynamic load rating	C	1.23 kN
Basic static load rating	C ₀	0.88 kN
Fatigue load limit	P _u	0.088 kN
Reference speed		24 000 r/min
Limiting speed		26 000 r/min

Associated products

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table

DESIGN CONSIDERATIONS

- Shaft and housing tolerances: table

AGA BEARINGS