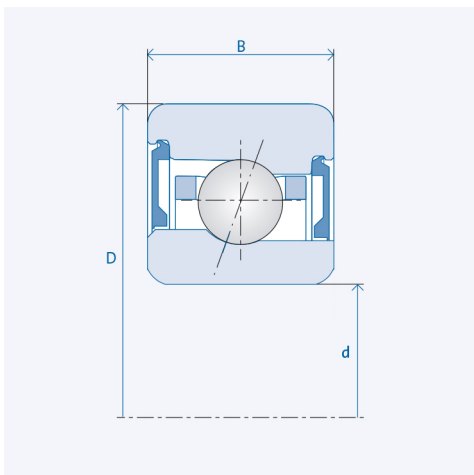


# Spindle ball bearings (HY)\* KH 61907 C



## Precision class P4 / ABEC7

### Components

Bearing designation:	(HY)* KH 61907 C
Bearing design:	KH
Series / size:	61907
Ball material:	Steel 100Cr6
Ball material HY :	Ceramic Si3N4
Cage:	TA (TXM available upon request)
Seal:	2RZ upon request
Precision:	P4 (HG, UP, P2 upon request)
Main dimensions [d x D x B]:	35 x 55 x 10 mm

### Technical data (Standard bearings)

Static load capacity $C_0$ :	3300
Dynamic load capacity C:	5050
Speed limit $n_{Fett}$ :	35250
Speed limit $n_{Oj}$ :	47000

### Technical data (Hybrid bearings)\*

Static load capacity $C_{0HY}$ :	2320
Dynamic load capacity $C_{HY}$ :	5050
Speed limit $n_{Fett}$ :	44062.5
Speed limit $n_{Oj}$ :	58750

### Pre-tension

Light (L):	25 N
Axial rigidity ( $C_{ax}$ ):	32 N/ $\mu$ m
Medium (M):	80 N
Axial rigidity ( $C_{ax}$ ):	50 N/ $\mu$ m
Heavy (S):	150 N
Axial rigidity ( $C_{ax}$ ):	64 N/ $\mu$ m
Spring preload (Ff):	185 N

The given speed limits apply to individual bearings with spring preload. Correction factors must be considered for all properties which deviate from this.

\* All ball bearings are also available as hybrid ball bearings (HY).