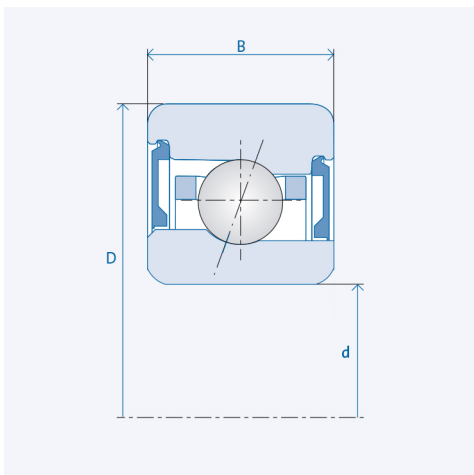


# Spindle ball bearings (HY)\* KH 6000 E



## Precision class P4 / ABEC7

### Components

Bearing designation:	(HY)* KH 6000 E
Bearing design:	KH
Series / size:	6000
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]:	10 x 26 x 8 mm

### Technical data (Standard bearings)

Static load capacity $C_0$ :	750
Dynamic load capacity C:	1950
Speed limit $n_{Fett}$ :	82500
Speed limit $n_{Oj}$ :	110000

### Technical data (Hybrid bearings)\*

Static load capacity $C_{0HY}$ :	530
Dynamic load capacity $C_{HY}$ :	1950
Speed limit $n_{Fett}$ :	103125
Speed limit $n_{Oj}$ :	137500

### Pre-tension

Light (L):	16 N
Axial rigidity ( $C_{ax}$ ):	26 N/ $\mu$ m
Medium (M):	50 N
Axial rigidity ( $C_{ax}$ ):	39 N/ $\mu$ m
Heavy (S):	100 N
Axial rigidity ( $C_{ax}$ ):	51 N/ $\mu$ m
Spring preload (Ff):	95 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).