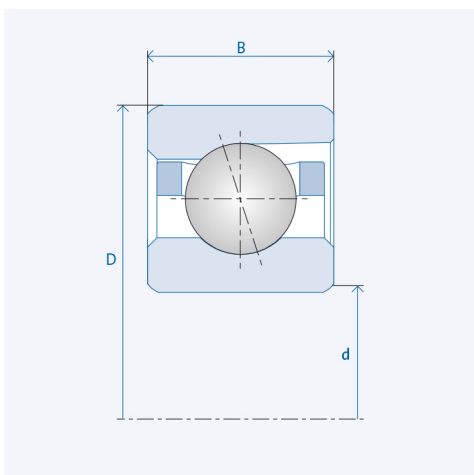


# Spindle ball bearings (HY)\* S 606 C



## Precision class P4 / ABEC7

### Components

Bearing designation:	(HY)* S 606 C
Bearing design:	S
Series / size:	606
Ball material:	Steel 100Cr6
Ball material HY :	Ceramic Si3N4
Cage:	TA (TXM available upon request)
Precision:	P4 (HG, UP, P2 upon request)
Main dimensions [d x D x B]:	6 x 17 x 6 mm

### Technical data (Standard bearings)

Static load capacity $C_0$ :	660
Dynamic load capacity C:	1540
Speed limit $n_{Fett}$ :	127500
Speed limit $n_{Oj}$ :	170000

### Technical data (Hybrid bearings)\*

Static load capacity $C_{0HY}$ :	465
Dynamic load capacity $C_{HY}$ :	1540
Speed limit $n_{Fett}$ :	159375
Speed limit $n_{Oj}$ :	212500

### Pre-tension

Light (L):	8 N
Axial rigidity ( $C_{ax}$ ):	9 N/ $\mu$ m
Medium (M):	25 N
Axial rigidity ( $C_{ax}$ ):	16 N/ $\mu$ m
Heavy (S):	45 N
Axial rigidity ( $C_{ax}$ ):	22 N/ $\mu$ m
Spring preload (Ff):	40 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).