

## Sealed GMN Spindle Bearings

The new **KH** spindle bearing series was developed for high speeds and extended bearing service life.

### Advantages and Design Features



- \* High speeds
- \* Low operating temperature due to optimised raceway geometry
- \* High operational reliability at increased temperatures due to large radial clearance
- \* Optimised ball complement/load rating and ball diameter/load rating ratio
- \* Optimised internal geometry in respect of grease space and oil lubrication
- \* Optimised for-life grease lubrication, thus increased service life
- \* No speed reduction due to non-contact seals
- \* No grease loss in vertical or angular mounting positions
- \* Reduction in the drying out of grease due to protection from ventilation or air flow
- \* Reduced need for additional sealing elements
- \* Reduced sensitivity to contamination in the assembly area

### Availability

- \* Bearing series 619.. and 60..
- \* Contact angle C or E
- \* Precision class P4 / ABEC7, higher precision classes on request
- \* Steel or ceramic balls
- \* Sealed, with for-life grease lubrication  
with standard grease LUBCON HS TURMOGREASE L252  
or customised grease lubrication
- \* For oil lubrication (open)



### Designation Examples

Ball material	Bearing series	Bearing size	Sealing	Contact angle	Cage	Precision	Matching	Lubrication
-	<b>KH</b>	6005	<b>2RZ</b>	C	TA	P4	DUL	TOPAS L30
Steel			sealed					
HY	<b>KH</b>	6005	<b>2RZ</b>	C	TA	P4	DUL	L252
Ceramic			sealed					
HY	<b>KH</b>	6005	-	C	TA	P4	DUL	
Ceramic			open					