



## New GMN Precision Classes P4+ and UP+ BEARING DESIGNATION

<b>Example</b>		HY KH 6008 2RZ C TA P4+ UL T274
<b>Material</b>	- HY	Bearings made of bearing steel 100Cr6 have no designation Balls and rings made of different materials (hybrid bearings)
<b>Series</b>	S SM KH	Standard spindle bearings Standard spindle bearings for higher speeds Standard spindle bearings for higher speeds, with seal
<b>Bearing size</b>	6008	Designation of dimension series and bore diameter
<b>Seal</b>	2RZ	Seal on both sides
<b>Nominal contact angle</b>	C E 18°	15° 25° Special design
<b>Cage</b>	TA TXM	Laminated phenolic resin cage guided in outer ring Plastic cage made of PEEK and guided in outer ring, ball-retaining
<b>Precision</b>	P4+  UP+	GMN standard precision as per GMN specification (running accuracy as per ISO 2 / DIN P2 ; dimensional accuracy as per ISO 4 / DIN P4 )  GMN ultra precision as per GMN specification (running accuracy as per ISO 2 / DIN P2 or better)
<b>Bearing sets</b>	D T Q	2 bearings 3 bearings 4 bearings
<b>Bearing arrangement and preload</b>	U B F T  L M S V	Universal arrangement O arrangement X arrangement Tandem arrangement  Light preload Medium preload Heavy preload Customer-specific preload
<b>Lubrication</b>	- T274	Standard preservation (ungreased) Tribology code, e.g. grease LUBCON Turmogrease HS L252
<b>Comments</b>		Deviation of bore diameter d= Deviation of outside diameter D= Width deviation B= ... standard marking on ball bearing and packaging  High point marking Ri ... standard marking on ball bearing inner ring



## New GMN Precision Classes *P4+* and *UP+*

### TRIBOLOGY CODE

#### Example

HY SM 6006 C TA P4+ UL [T274](#)

Grease code T274 -

grease LUBCON Turmogrease Highspeed L252

Nominal grease volume and grease volume tolerance as per GMN standard

S; SM: 30% +/-5% of the free space

KH: 25% +/-5% of the free space

#### Example

HY SM 6006 C TA P4+ UL [T274/25%](#)

Grease code T274 -

grease LUBCON Turmogrease Highspeed L252

Grease volume deviating from GMN standard

Example: 25% +/-5% of the free space

#### Example

HY SM 6006 C TA P4+ UL [T274/15-20%](#)

Grease code T274 -

grease LUBCON Turmogrease Highspeed L252

Grease volume tolerance deviating from GMN standard

Example: 15% - 20% of the free space

#### Overview of grease lubricants

Manufacturer / Designation	T-Code
KLÜBER NBU15	T005
KLÜBER LDS 18 Spez.A	T007
KLÜBER Topas NB52	T126
KLÜBER Asonic GLY32	T176
KLÜBER ISOFLEX NCA15	T249
KLÜBER Klüberspeed BF72-22	T304
LUBCON Turmogrease Highspeed L252	T274
LUBCON Turmogrease Highspeed L182	T272
LUBCON Turmogrease Li802EP	T286
LUBCON Turmogrease PU703	T284