



New GMN Precision Class P4+ BEARING DESIGNATION

Example		HY KH 6008 2RZ C TA P4+ UL T274
Material	- HY	Bearings made of bearing steel 100Cr6 have no designation Balls and rings made of different materials (hybrid bearings)
Series	S SM KH	Standard spindle bearings Standard spindle bearings for higher speeds Standard spindle bearings for higher speeds, with seal
Bearing size	6008	Designation of dimension series and bore diameter
Seal	2RZ	Seal on both sides (for KH series)
Nominal contact angle	C E 18°	15° 25° Special design
Cage	TA TXM	Laminated phenolic resin cage guided in outer ring Plastic cage made of PEEK and guided in outer ring, ball-retaining
Precision	P4+	Running accuracy as per ISO 2 / DIN P2 Dimensional accuracy as per ISO 4 / DIN P4
Bearing sets	D T Q	2 bearings 3 bearings 4 bearings
Bearing arrangement and preload	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
Lubrication	- T274	Standard preservation (ungreased) Tribology code, e.g. grease LUBCON Turmogrease HS L252
Comments		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 Class P4+ 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