

Designation system

Examples: Single bearing – 71922 CDGBTNHA/PA9AL
Matched bearing set – S7010 ACD/HCP4AQBCC

	719	22	CD	GB	TNHA	/	
S	70	10	ACD			/	

Prefix

- Open bearing (no designation prefix)
- S Sealed bearing
- V Bearing with NitroMax steel rings and bearing grade silicon nitride Si₃N₄ balls (hybrid bearing)

Bearing series

- 718 Angular contact ball bearing in accordance with ISO dimension series 18
- 719 Angular contact ball bearing in accordance with ISO dimension series 19
- 70 Angular contact ball bearing in accordance with ISO dimension series 10
- 72 Angular contact ball bearing in accordance with ISO dimension series 02

Bearing size

- 6 6 mm bore diameter
- 7 7 mm bore diameter
- 8 8 mm bore diameter
- 9 9 mm bore diameter
- 00 10 mm bore diameter
- 01 12 mm bore diameter
- 02 15 mm bore diameter
- 03 17 mm bore diameter
- 04 (x5) 20 mm bore diameter
- to
- 72 (x5) 360 mm bore diameter

Internal design

- CD 15° contact angle, high-capacity design
- ACD 25° contact angle, high-capacity design
- CE 15° contact angle, high-speed E design
- FE 18° contact angle, high-speed E design
- ACE 25° contact angle, high-speed E design
- CB 15° contact angle, high-speed B design
- FB 18° contact angle, high-speed B design
- ACB 25° contact angle, high-speed B design

Single bearing – execution and preload

- Single standalone bearing (no designation suffix) (718 .. D, 719 .. D, 70 .. D, 72 .. D, 719 .. E, 70 .. E, 719 .. B and 70 .. B series)
- GA Single, universally matchable, extra light preload (719 .. D, 70 .. D and 72 .. D series)
- GA Single, universally matchable, light preload (718 .. D, 719 .. E, 70 .. E, 719 .. B and 70 .. B series)
- GB Single, universally matchable, light preload (719 .. D, 70 .. D and 72 .. D series)
- GB Single, universally matchable, moderate preload (718 .. D, 719 .. E, 70 .. E, 719 .. B and 70 .. B series)
- GC Single, universally matchable, moderate preload (719 .. D, 70 .. D and 72 .. D series)
- GC Single, universally matchable, heavy preload (718 .. D, 719 .. E, 70 .. E, 719 .. B and 70 .. B series)
- GD Single, universally matchable, heavy preload (719 .. D, 70 .. D and 72 .. D series)

Cage

- Cotton fabric reinforced phenolic resin or carbon fibre reinforced PEEK, outer ring centred (no designation suffix)
- MA Machined brass, outer ring centred
- TNHA Glass fibre reinforced PEEK, outer ring centred

	PA9A	L		
HC	P4A		QBC	C

Bearing set – preload

A	Extra light preload (719 .. D, 70 .. D and 72 .. D series)
A	Light preload (718 .. D, 719 .. E, 70 .. E, 719 .. B and 70 .. B series)
L	Light preload – only for matched bearings sets in TBT, TFT, QBT and QFT arrangements (718 .. D, 719 .. E and 70 .. E series)
B	Light preload (719 .. D, 70 .. D and 72 .. D series)
B	Moderate preload (718 .. D, 719 .. E, 70 .. E, 719 .. B and 70 .. B series)
M	Moderate preload – only for matched bearings sets in TBT, TFT, QBT and QFT arrangements (718 .. D, 719 .. E and 70 .. E series)
C	Moderate preload (719 .. D, 70 .. D and 72 .. D series)
C	Heavy preload (718 .. D, 719 .. E, 70 .. E, 719 .. B and 70 .. B series)
F	Heavy preload – only for matched bearings sets in TBT, TFT, QBT and QFT arrangements (718 .. D, 719 .. E and 70 .. E series)
D	Heavy preload (719 .. D, 70 .. D and 72 .. D series)
G...	Special preload, expressed in daN e.g. G240 (718 .. D, 719 .. D, 70 .. D, 72 .. D, 719 .. E, 70 .. E, 719 .. B and 70 .. B series)

Bearing set arrangement

DB	Set of two bearings arranged back-to-back <>
DF	Set of two bearings arranged face-to-face ><
DT	Set of two bearings arranged in tandem <<
DG	Set of two bearings for universal matching
TBT	Set of three bearings arranged back-to-back and tandem <>>
TFT	Set of three bearings arranged face-to-face and tandem ><<
TT	Set of three bearings arranged in tandem <<<
TG	Set of three bearings for universal matching
QBC	Set of four bearings arranged tandem back-to-back <>>>
QFC	Set of four bearings arranged tandem face-to-face ><<<
QBT	Set of four bearings arranged back-to-back and tandem <>>>
QFT	Set of four bearings arranged face-to-face and tandem ><<<
QT	Set of four bearings arranged in tandem <<<<
QG	Set of four bearings for universal matching
PBC	Set of five bearings arranged tandem back-to-back <>>>>
PFC	Set of five bearings arranged tandem face-to-face ><<<<
PBT	Set of five bearings arranged back-to-back and tandem <>>>>
PFT	Set of five bearings arranged face-to-face and tandem ><<<<
PT	Set of five bearings arranged in tandem <<<<<
PG	Set of five bearings for universal matching

Lubrication features

H	Two lubrication holes on the non-thrust side of the outer ring
H1	Two lubrication holes on the thrust side of the outer ring
L	Annular groove with two lubrication holes on the non-thrust side of the outer ring and two annular grooves fitted with O-rings in the outer ring
L1	Annular groove with two lubrication holes on the thrust side of the outer ring and two annular grooves fitted with O-rings in the outer ring

Accuracy

P4	Dimensional and running accuracy in accordance with ISO tolerance class 4
P4A	Dimensional accuracy in accordance with ISO tolerance class 4, running accuracy better than ISO tolerance class 4
P2	Dimensional and running accuracy in accordance with ISO tolerance class 2
PA9A	Dimensional and running accuracy in accordance with ISO tolerance class 2

Ball material

–	Carbon chromium steel (no designation suffix)
HC	Balls made of bearing grade silicon nitride Si ₃ N ₄ (hybrid bearing)