Designation of current angular contact ball bearings series

SV	719	10	AC	E	T	/	HC	P4A	Q	BC	A

Features

Blank	No additional features
S	Sealed bearing (Only for Internal design D)
V	Nitrogen stainless steel and ceramic rolling elements
SV	Sealed nitrogen stainless steel and ceramic rolling elements

Bearing series

719	Single row angular contact ball bearing, ISO dimension series 19
70	Single row angular contact ball bearing, ISO dimension series 10
72	Single row angular contact ball bearing, ISO dimension series 02

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
|	
48 (x5)	240 mm bore diameter

Contact angle

C	15°
AC	25°

Internal design

D	Standard design
E	High speed design
X	Standard design up to 30 mm bore
S	High speed design up to 30 mm bore

Cage design and material

Blank	Outer ring land riding, fabric reiforced phenolic resin
TNHA	Outer ring land riding, glass fibre reinforced PEEK
T	Rolling elements riding, fabric reiforced phenolic resin
TNH	Rolling elements riding, glass fibre reinforced PEEK

Rolling elements material

Blank	Steel (for standard steel rings), Ceramic (for nitrogen stainless steel rings)
HC	Silicon nitride (ceramic - for standard steel rings only)

Tolerance class

P4A	Dimensional accuracy to ISO class 4, running accuracy better than ISO class 4
PA9A	Accuracy to ABMA class ABEC 9

Number of bearings in set

D	2 bearings in matched set
T	3 bearings in matched set
Q	4 bearings in matched set

Bearing arrangement in matched set

B	Back-to-back
F	Face-to-face
T	Tandem
BT	Back-to-back/Tandem
FT	Face-to-face/Tandem
BC	Back-to-back of pairs in tendem
FC	Face-to-face of pairs in tendem
G	For universal pairing

Preload

A	Light preload
B	Medium preload
C	Heavy preload
G…	Special preload, value in daN, e.g. G240

Designation of new design angular contact ball bearings series

SV	719	10	F	B	TNHA	/	P7	D	B	A	L

Features

Blank	No additional features
S	Sealed bearing
V	Nitrogen stainless steel and ceramic rolling elements
C	Ceramic rolling elements (hybrid)
SV	Sealed nitrogen stainless steel and ceramic rolling elements
SC	Sealed bearing with ceramic rolling elements (hybrid)

Bearing series

719	Single row angular contact ball bearing, ISO dimension series 19
70	Single row angular contact ball bearing, ISO dimension series 10

Bore diameter

06 (x5)	30 mm bore diameter
|	
24 (x5)	120 mm bore diameter
	Smaller diameters on request

Contact angle

C	15°
F	18°
D	25°

Internal design

B	Basic new standard high speed design

Cage design and material

Blank	Outer ring land riding, fabric reiforced phenolic resin
TNHA	Outer ring land riding, glass fibre reinforced PEEK
T	Rolling elements riding, fabric reiforced phenolic resin
TNH	Rolling elements riding, glass fibre reinforced PEEK

Tolerance class

P7	Dimensional accuracy to ISO class 4, running accuracy better than ISO class 4
P9	Accuracy to ABMA class ABEC 9

Number of bearings in set

D	2 bearings in matched set
T	3 bearings in matched set
Q	4 bearings in matched set

Bearing arrangement in matched set

B	Back-to-back
F	Face-to-face
T	Tandem
BT	Back-to-back/Tandem
FT	Face-to-face/Tandem
BC	Back-to-back of pairs in tendem
FC	Face-to-face of pairs in tendem
G	For universal pairing

Preload

A	Light preload
B	Medium preload
C	Heavy preload
G…	Special preload, value in daN, e.g. G240

Lubrication holes

L	2 lubrication holes with circumferential groove plus grooves for O-Rings
L1	2 lubrication holes with circumferential groove