Bearing Code of FAG Spindle Bearings

B 70 08-C -T-P4S-UL*
HSS 70 08-C -T-P4S-UL
HCB 70 08-C DLR -T-P4S-UL
B 70 08-C -2RSD -T-P4S-UL
B 70 08-C -T-P4S-UL-L075

Bearing Type

B	Standard Steel balls
HCB	Hybrid Standard Ceramic balls
XCB	Cronidur Standard Ceramic balls
HS	High Speed Bearings Steel balls
HSS	High Speed Bearings Steel balls, sealed
HC	High Speed Bearings Ceramic balls
HCS	High Speed Bearings Ceramic balls, sealed
XC	Cronidur, High Speed Bearings Ceramic balls
XCS	Cronidur, High Speed Bearings Ceramic balls, sealed

Dimension Series

718	Ultra-light series
719	Light series
70	Medium series
72	Heavy series

Bore Reference Number

6	6 mm
7	7 mm
8	8 mm
9	9 mm
00	10 mm
01	12 mm
02	15 mm
03	17 mm
04	4 · 5 = 20 mm
05	5 · 5 = 25 mm

Contact Angle

C	15°
E	25°

External Form

	DIRECT LUBE	
-CDLR	Direct radial lubrication holes with integral O rings	15°
-EDLR	Integral O-ring	25°

Seal

-2RSD	Sealed at both sides and lubricated Sealed designs are indicated with a point (•) in the bearing tables

Grease Filling By Manufacturer

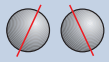
L075	FAG Grease Arcanol L075 for non-sealed bearings Bearings sealed at both sides are lubricated for-life with L075.

Preload

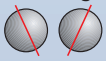
L	Light
M	Medium
H	Heavy

Bearing Arrangement

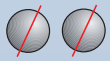
U	Single bearing arrangeable as desired
DU	Set of 2 universal bearings
TU	Set of 3 universal bearings
QU	Set of 4 universal bearings
PU	Set of 5 universal bearings
DB	Set of 2 bearings O arrangement



DF	Set of 2 bearings X arrangement

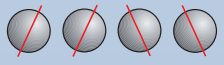


DT	Set of 2 bearings Tandem arrangement



TBT	Set of 3 bearings Tandem – O – arrangement

QBC	Set of 4 bearings Tandem – O – Tandem arrangem.



Accuracy

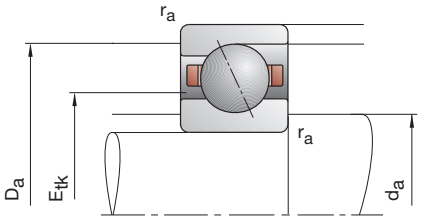
P4S	FAG Standard better than P4 according to DIN 620
P4S-K5	P4S but with mean sorting of bore and outside diameter

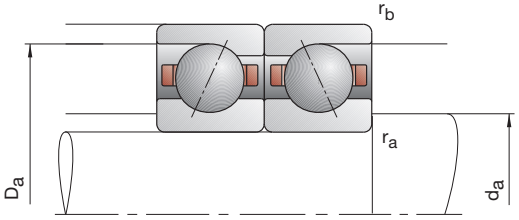
Cage

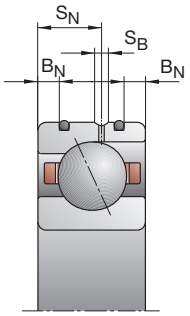
T	Textile laminated phenolic resin, outer ring guided
TX	Textile laminated phenolic resin, outer ring guided
TPA	Textile laminated phenolic resin, series B718 outer ring guided

* Special designs are available by agreement. You can find more information in the “Customized Solutions” chapter.

FAG Spindle Bearings







Bearing code	Dimensions					Abutment dimensions				DLR dimensions				Load rating	
	d	D	B	r_{smin}	r_{1smin}	d_a h12	D_a H12	r_a max	r_b max	B_N	S_N	S_B	E_{tk} nom.	Cdyn	C_0stat
FAG	mm													kN	
B71806-C-TPA-P4	30	42	7	0,30	0,10	33	39	0,3	0,1				34,5	4,40	3,65
B71806-E-TPA-P4	30	42	7	0,30	0,10	33	39	0,3	0,1				34,5	4,15	3,40
HCB71806-C-TPA-P4	30	42	7	0,30	0,10	33	39	0,3	0,1				34,5	3,05	2,55
HCB71806-E-TPA-P4	30	42	7	0,30	0,10	33	39	0,3	0,1				34,5	2,85	2,40
B71906-C-T-P4S	30	47	9	0,30	0,30	34	43,5	0,3	0,3				36,8	8,65	6,55
B71906-E-T-P4S	30	47	9	0,30	0,30	34	43,5	0,3	0,3				36,8	8,15	6,30
HCB71906-C-T-P4S	30	47	9	0,30	0,30	34	43,5	0,3	0,3	1,1	5,3	1,4	36,8	6,00	4,65
HCB71906-E-T-P4S	30	47	9	0,30	0,30	34	43,5	0,3	0,3	1,1	5,3	1,4	36,8	5,60	4,40
XCB71906-C-T-P4S	30	47	9	0,30	0,30	34	43,5	0,3	0,3	1,1	5,3	1,4	36,8	13,40	4,65
XCB71906-E-T-P4S	30	47	9	0,30	0,30	34	43,5	0,3	0,3	1,1	5,3	1,4	36,8	12,50	4,40
HS71906-C-T-P4S	30	47	9	0,30		34	43,5	0,3	0,3				36,8	6,40	5,20
HS71906-E-T-P4S	30	47	9	0,30		34	43,5	0,3	0,3				36,8	6,00	4,90
HC71906-C-T-P4S	30	47	9	0,30		34	43,5	0,3	0,3	1,1	5,3	1,4	36,8	4,40	3,65
HC71906-E-T-P4S	30	47	9	0,30		34	43,5	0,3	0,3	1,1	5,3	1,4	36,8	4,15	3,45
XC71906-C-T-P4S	30	47	9	0,30		34	43,5	0,3	0,3	1,1	5,3	1,4	36,8	9,80	3,65
XC71906-E-T-P4S	30	47	9	0,30		34	43,5	0,3	0,3	1,1	5,3	1,4	36,8	9,30	3,45
B7006-C-T-P4S	30	55	13	1,00	1,00	36	49	1,0	0,3				40,4	15,00	10,20
B7006-E-T-P4S	30	55	13	1,00	1,00	36	49	1,0	0,3				40,4	14,30	9,80
HCB7006-C-T-P4S	30	55	13	1,00	1,00	36	49	1,0	0,3	2,8	7,2	1,4	40,4	10,40	7,20
HCB7006-E-T-P4S	30	55	13	1,00	1,00	36	49	1,0	0,3	2,8	7,2	1,4	40,4	10,00	6,80
XCB7006-C-T-P4S	30	55	13	1,00	1,00	36	49	1,0	0,3	2,8	7,2	1,4	40,4	23,20	7,20
XCB7006-E-T-P4S	30	55	13	1,00	1,00	36	49	1,0	0,3	2,8	7,2	1,4	40,4	22,40	6,80
HS7006-C-T-P4S	30	55	13	1,00		36	49	1,0	0,3				40,5	8,80	7,10
HS7006-E-T-P4S	30	55	13	1,00		36	49	1,0	0,3				40,5	8,30	6,70
HC7006-C-T-P4S	30	55	13	1,00		36	49	1,0	0,3	2,8	7,2	1,4	40,5	6,00	4,90
HC7006-E-T-P4S	30	55	13	1,00		36	49	1,0	0,3	2,8	7,2	1,4	40,5	5,70	4,65
XC7006-C-T-P4S	30	55	13	1,00		36	49	1,0	0,3	2,8	7,2	1,4	40,5	13,40	4,90
XC7006-E-T-P4S	30	55	13	1,00		36	49	1,0	0,3	2,8	7,2	1,4	40,5	12,70	4,65
B7206-C-T-P4S	30	62	16	1,00	1,00	37,5	54,5	1,0	1,0				43,7	23,20	14,60
B7206-E-T-P4S	30	62	16	1,00	1,00	37,5	54,5	1,0	1,0				43,7	22,00	14,00
HCB7206-C-T-P4S	30	62	16	1,00	1,00	37,5	54,5	1,0	1,0				43,7	16,00	10,20
HCB7206-E-T-P4S	30	62	16	1,00	1,00	37,5	54,5	1,0	1,0				43,7	15,30	9,80

* options; • = possible, – = not possible

** see section Engineering, Speeds

*** see section Engineering, Deflection and Rigidity

Designation examples:

Sealed design
B7006-C-2RSD-T-P4S-UL
HSS7006-E-T-P4S-UL

Hybrid ceramic design
HC7006-E-T-P4S-UL
HCB71806-C-TPA-P4-UL

Direct Lube design
HCB7006-EDLR-T-P4S-UL
HC7006-EDLR-T-P4S-UL