



SUPER PRECISION BEARINGS

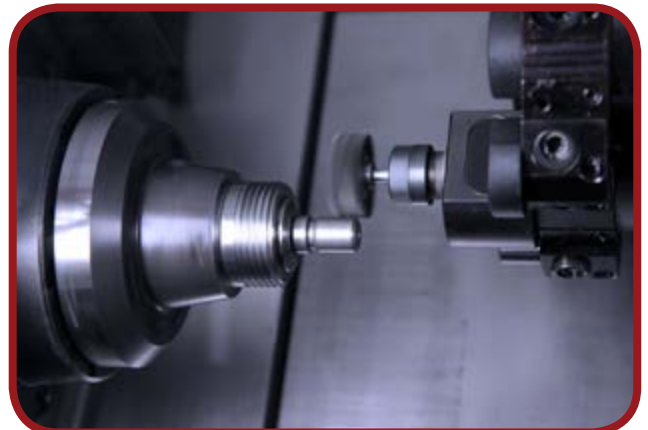


NIBC SUPER PRECISION BEARINGS



- Manufactured with High Quality Vacuum degassed bearing steel
- Manufactured with running accuracy corresponding to ABEC9
- Interchangeable with major manufacturers FAG,NSK, SKF, Nachi, etc
- Bore & diameters are micron coded
- Phenolic resin and polyamide cages for Spindle Bearings
- Available in Dimensional series 70,72,719
- Available with steel and ceramic Balls.

FOR APPLICATIONS THAT REQUIRE
THE HIGHEST PRECISION



WHY NIBC

NIBC Super precision angular contact ball bearings are designed for all bearing applications with great requirements on reliability, stiffness, speed capability and running accuracy.

Our product range allows machine tool manufacturers across different sectors of industry as well as special-purpose machine designers to optimize their spindles by focusing on the aspects that are most important to them.

NIBC’s range of super precision bearings contain many different variations of single-row super precision angular contact ball bearings 70,72,719 series ,with contact angle of 15° or 25° as standard. Customization, to suit a particular application, for contact angle, bearings with grease, seals, special preload or ceramic balls is also possible.

NIBC has tailored the internal design of its super precision angular contact ball bearings according to the requirements of the machine tool industry.

NRB-IBC Bearings Pvt Ltd is a joint venture of NRB Industrial Bearings Ltd, India and IBC Walzlager GmbH, Industrial Bearings and components Germany/IBC Industrial Bearings and Components AG, Switzerland. IBC manufactures super precision bearings mainly for the aerospace and machine tool industries.

NIBC, with its manufacturing plant in Shendra, Aurangabad, provides customers with application support, after sales support, faster delivery and competitive prices.

The NIBC Advantage

- Dimensional accuracy of P4A and running accuracy class of Grade P2A
- Can be used in spindle design without any modifications
- Predictable performance by optimizing bearing & shaft fits
- Improved stiffness & running accuracy resulting in better machining output
- Can handle a wide range of machining applications
- Faster delivery time due to indigenous manufacturing
- In-house Application & Service support

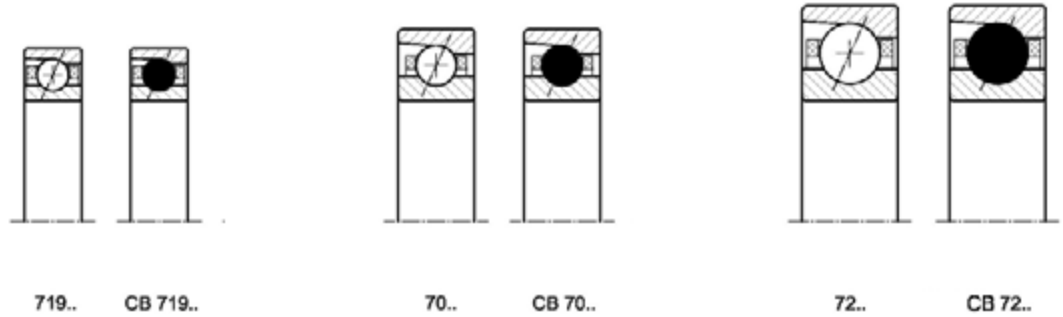
NIBC Designation Descriptive Organization	P5	P4	P4A	P2A
DIN (German Standard Institute)	P5	P4	P4S	P2
AFBMZA STD 20 (Anti-friction Bearing Manufacturer’s Association)	ABEC5	ABEC7		ABEC9
ISO 482 (International Standards Organization)	Class 5	Class 4		Class 2
B8292 (British Standard Organization)	EP5	EP7		EP9

DESIGNATION SYSTEM

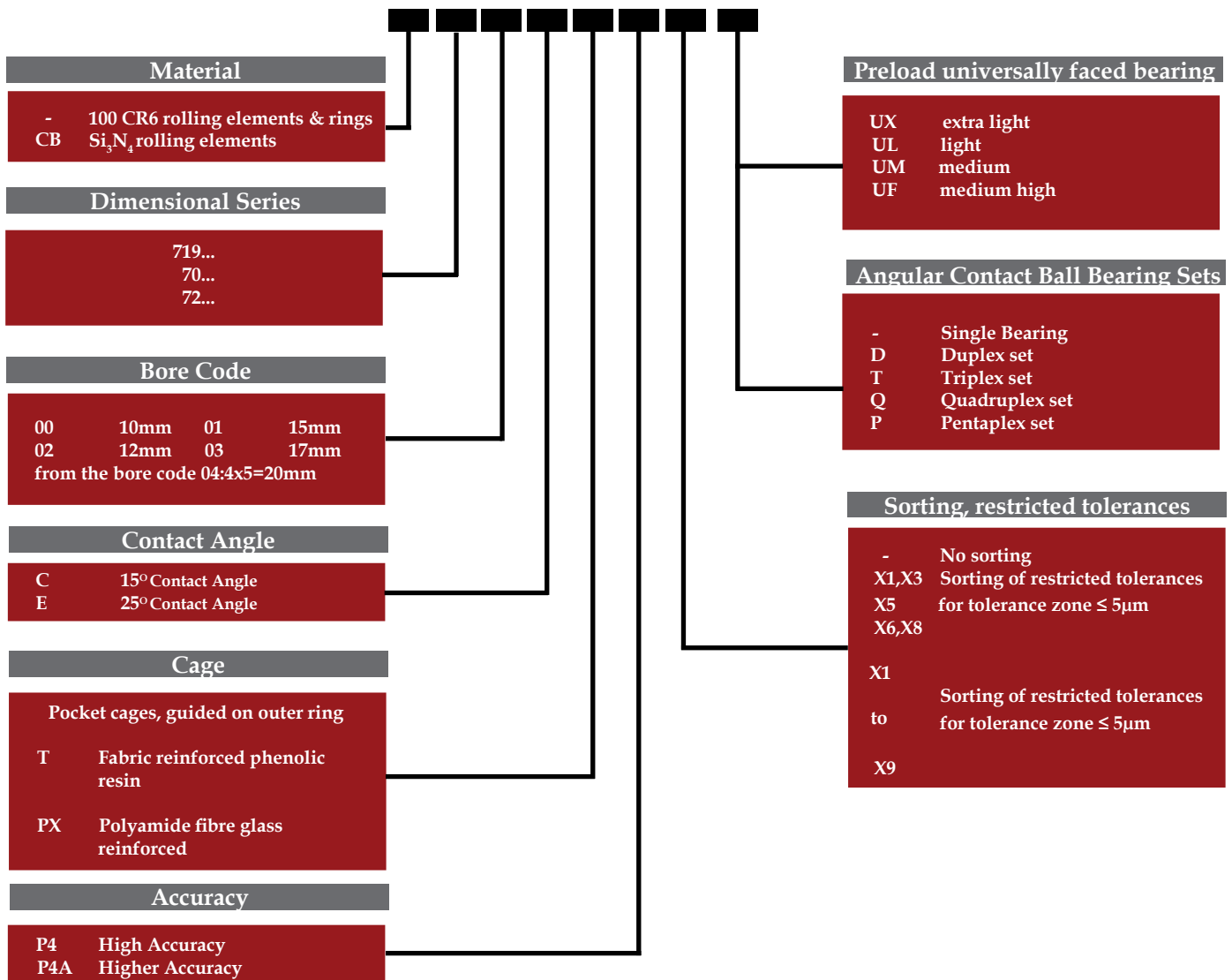
719..
CB 719..

70..
CB 70..

72..
CB 72..



CB	719	14	.E	.T	.P4A	X2	.UL
	70	10	.C	.P	.P4		.UM
	70	14	.E	.T	.P4A		.QBTM
	70	16	.C	.T	.P4		.DBL
	70	12	.E	.PX	.P4		.UX
	72	13	.E	.T	.P4A		.UF

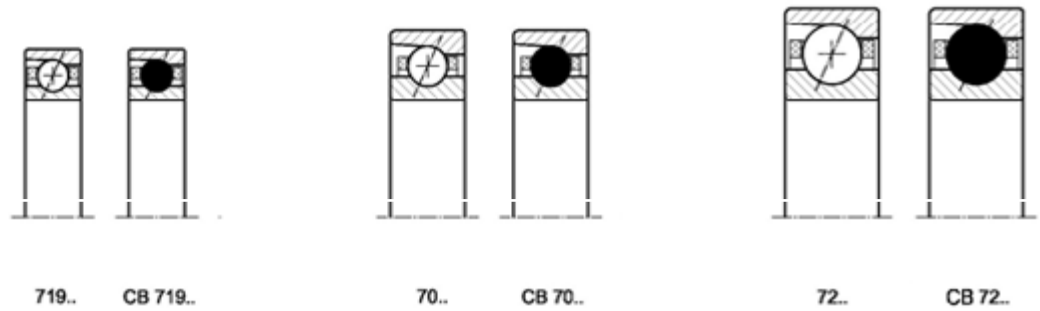


PRODUCT RANGE

719..
CB 719..

70..
CB 70..

72..
CB 72..



Production Series									
d	719...			70...			72...		
	D	B		D	B		D	B	
mm	mm			mm			mm		
15							7202	35	11
17				7003	35	10	7203	40	12
20	71904	37	9	7004	42	12	7204	47	14
25	71905	42	9	7005	47	12	7205	52	15
30	71906	47	9	7006	55	13	7206	62	16
35	71907	55	10	7007	62	14	7207	72	17
40	71908	62	12	7008	68	15	7208	80	18
45	71909	68	12	7009	75	16	7209	85	19
50	71910	72	12	7010	80	16	8210	90	20
55	71911	80	13	7011	90	18	7211	100	21
60	71912	85	13	7012	95	18	7212	110	22
65	71913	90	13	7013	100	18	7213	120	23
70	71914	100	16	7014	110	20	7214	125	24
75	71915	105	16	7015	115	20	7215	130	25
80	71916	110	16	7016	125	22	7216	140	26
85	71917	120	10	7017	130	22			
90	71918	125	18	7018	140	24			
95	71919	130	18						
100	71920	140	20						



REGISTERED OFFICE

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PUBLICATION NUMBER: PUB/NIBC-PB001

MANUFACTURING PLANT

**PLOT No. B-18, B-BLOCK, FIVE STAR MIDC AREA, SHENDRA, AURANGABAD
431007, INDIA**

www.nrbindustrialbearings.com