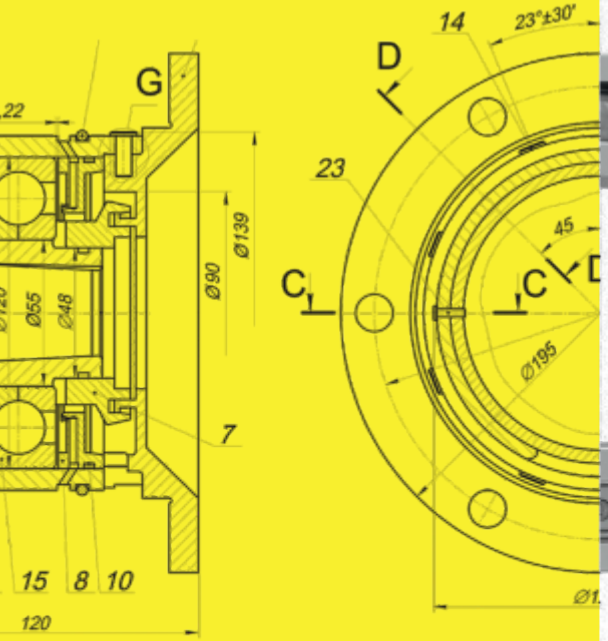
CELEBRATING 75 YEARS

CK BIRLA GROUP

nbc flexible solutions



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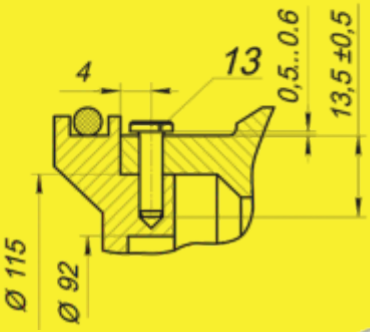

Unit SI

2 WHEELERS | 3 WHEELERS | 4 WHEELERS | TRACTORS | LCV, HCV | INDUSTRIES | RAILWAYS | AEROSPACE

WINNER DEMING GRAND PRIZE

nbc flexible solutions

CATALOGUE/TC-106, 01/2024

This version supersedes all previously published versions. All the bearing mentioned in this catalogue are manufactured with normal tolerance class. We can, however, supply other class bearing against specific requirement.

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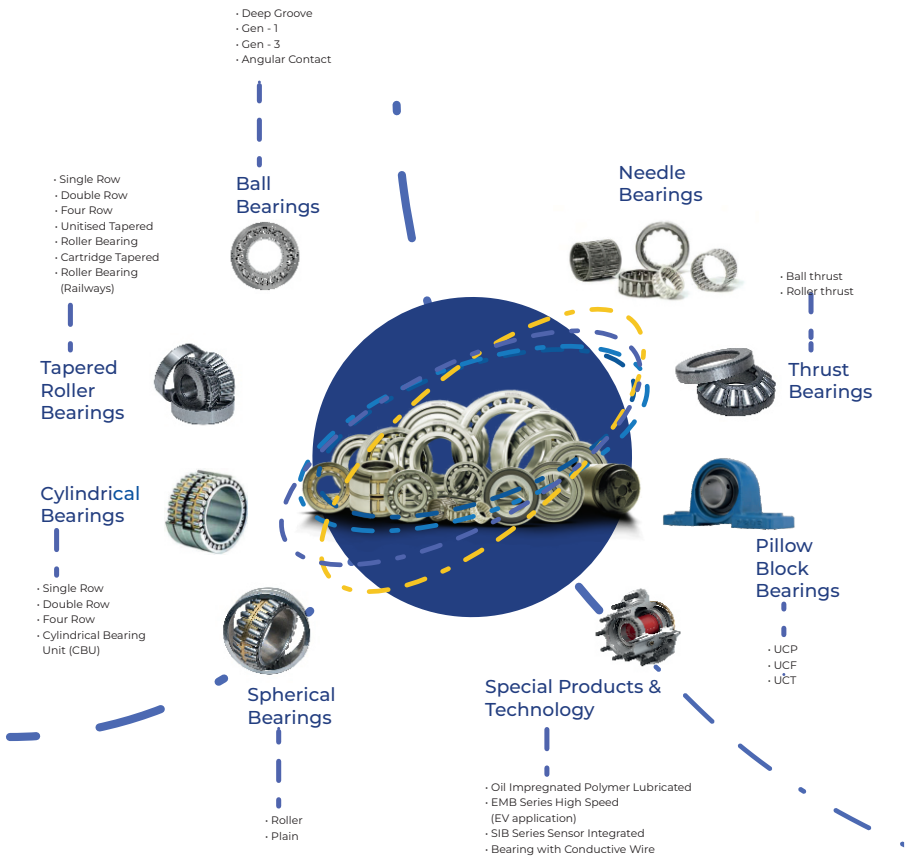
Founded in 1946, NBC is India’s first bearings manufacturer and the last word in quality and durability. In 2020, the company acquired leading European manufacturer, Kinex Bearings to further boost its expertise.

75 years since its beginning, NBC remains India's leading bearings manufacturer andexporter. NBC is also the world’s only bearings manufacturer to receive the prestigious Deming Grand Prize for Total Quality Management.

- 1946 India's first bearing manufacturer
- 250+ million bearings manufactured/ annum
- 3100+ variants of bearings offered
- 5 manufacturing locations
- Leading exporter
- Happy customers in 30+ countries
- R&D and Innovation Centre
- 2800+People
- Automotive
- Industrial
- Railway
- Aerospace

Products from NBC

Since the challenges faced by industry are many, NBC offers a diverse range of exceptional bearings. NBC bearings are available in sizes from 04 mm bore to 2000 mm outer diameter.



∗ Products with special features like high temperature application, special heat treatment, coated roller/races and cage options are also available across product range.

nbc® flexible solutions

nbc® flexible solutions

23 Units SI

Units Specified in SI System

Force

1 KN (Kilo newton)	=	1000N	=	102Kgf
1 Kgf	=			

Pressure

	=	9.81 N		
1 bar	=	10 N/cm^2	=	1.02 Kg/cm^2
1 Kgf/mm^2	=	9.81 N/cm^2	=	0.981 bar

Stress Contact Pressure

1 N/mm^2	=	1 Mpa (Mega pascal)
	=	0.102 Kgf/mm^2
1 Kgf/mm^2	=	9.81 N/mm^2

Torque

1 Nm	=	0.102 Kgf-m
1 Kgf-m	=	9.81 Nm

Energy

1 J (Joule)	=	1 Nm	=	1Ws (Watt Second)
	=	0.102 Kgf-m		
1 Kgf-m	=	9.81 ws	=	9.81 Nm
			=	9.81 J

Power

1 W	=	1J/s	=	1 Nm/s = 0.102 Kgf-m/s
1 KW	=	1.36 PS	=	102 Kgf-m/s
1 PS	=	0.736 KW	=	75 Kgf-m/s
1 Kgf-m/s	=	9.81 N-m/s	=	9.81 J/s
	=	9.81 W		

Kinematic Viscosity

1mm^2/s	=	1cSt (Centistoke)

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