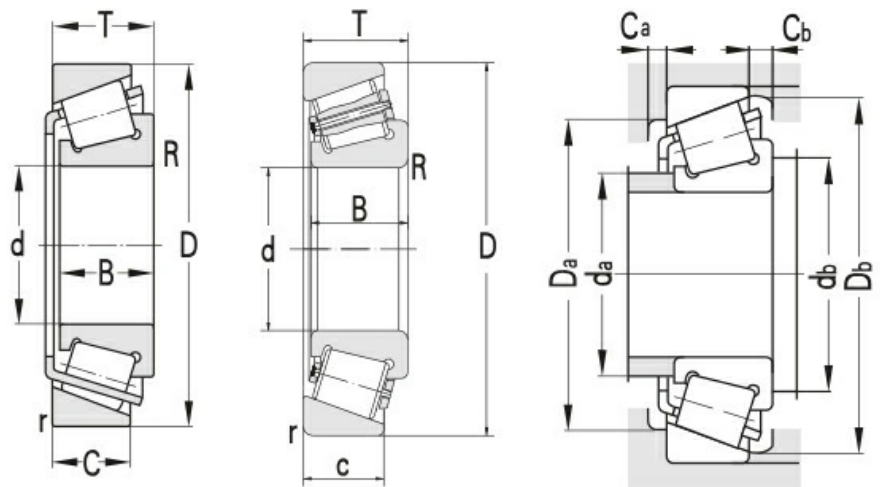


32314X3A



Technical sheet of 32314X3A

Type :	Single row taper roller bearings	
Model :	32314X3A	
Main demensions :	70 mm × 145 mm × 59 mm	Bore Dia × Outside Dia × Width Dia
M kg:	4.5	Mass
HS Code :	8482200000	Bearing customs code
d mm:	70	inner ring diameter
D mm:	145	Outer ring diameter
B(T) mm:	59	Overall Width
Cr kN:	340	Radial dynamic load rating
C0r kN:	495	Radial static load rating
Grease r/min:	2500	Reference speed
Oil r/min:	3600	Limiting speed

Detailed parameters and installation dimensions:

B: 59 mm, C: 47 mm, R(radial): 8.5 mm, R(axial): 8.5 mm, r(radial): 2.5 mm, r(axial): 2.5 mm, da(max): 78 mm, db(min): 82 mm, Da(min): 113 mm, Da(max): 130 mm, Db(min): 130 mm, Ca(min): 5 mm, Cb(min): 13 mm, e: 0.44 , Y: 1.4 , Yo: 0.4 , a: 47

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32314X3A features:

Superior Combined Load Capacity: The tapered geometry optimizes the contact line between the rollers and raceways, efficiently distributing combined radial and unidirectional axial loads.

Separable Design: The bearing consists of a separable inner ring (an assembly with rollers and a cage) and an outer ring. This is its most important feature.

Adjustable Axial Clearance/Preload: During installation, the internal clearance or preload of the bearing can be precisely set by adjusting the axial relative distance between the inner and outer rings.

High Rigidity: Applying appropriate preload significantly improves the rigidity of the entire shaft system, reducing deformation under load.

Metric Standardization: Dimensions conform to the ISO globally accepted metric standard.

Global Interchangeability: Dimensions, load ratings, and speed ratings are standardized globally, making it the mainstream choice for new design projects and globalized equipment.

32314X3A application:

Wheel hub units, gearboxes, differentials, engines, industrial gearboxes and reducers, pumps, fans, compressors, mixers, conveyor drive rollers, transmissions, axles, rollers and track support wheels (for tractors, harvesters, excavators and loaders), small rolling mills, mining crushers and vibrating screens, machine tool spindles (especially rear supports), feed screws

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