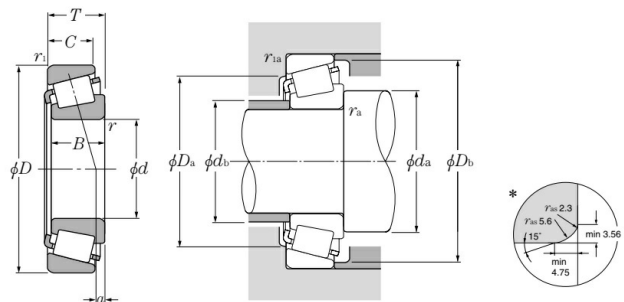


4T-355/354A

Tapered Roller Bearings, Inch series, Single Row



Technical sheet of 4T-355/354A

What are the Benefits of choosing 4T-355/354A bearings?

- **High load-bearing capacity:** Capable of simultaneously withstanding high radial and unidirectional axial loads (combined loads).
- **Easy installation:** The inner ring (with roller cage) and outer ring are separable, simplifying installation, disassembly, and adjustment.
- **Good adaptability:** Imperial dimensions facilitate compatibility with imperial fittings, suitable for medium-to-low speed, heavy-duty applications.
- **Precision and rigidity:** Provides high rigidity, ensuring precise positioning and stable operation of the transmission system.

Type :	Single row inch tapered roller bearings	
Model :	4T-355/354A	
Main demensions :	44.45 mm x 85 mm x 20.638 mm	Bore Dia x Outside Dia x Width Dia
M kg:	0.511	Mass
HS Code :	8482200000	Bearing customs code
d mm:	44.45	inner ring diameter
D mm:	85	Outer ring diameter

B(T) mm:	20.638	Overall Width
Cr kN:	69.5	Radial dynamic load rating
C_{0r} kN:	79.5	Radial static load rating
Grease r/min:	4400	Reference speed
Oil r/min:	5800	Limiting speed

Detailed parameters and installation dimensions:

Part Number	4T-355/354A
Cage	pressed cages
Precision Rating	P0 (ISO Class NORMAL / ABEC-1)
Radial Dynamic Capacity - C _r	69500 N 15623 lbf
Radial Static Capacity - C _{0r}	79500 N 17871 lbf
Speed ratings (grease) - n _B	4400 min ⁻¹
Speed ratings (oil) - n _G	5800 min ⁻¹
Bearing Mass - m	0.511 kg 1.127 lb
Temperature - T(min)	-40 °F
Temperature - T(max)	250 °F
Units	Inch
Series Number	355
Interchangeable	NTN 4T-355/354A
Bearing Type	Tapered Roller Bearings, Inch series, Single Row
Dimension Inside - d φ	44.45 mm 1.750 inch
Dimension Outside - D Φ	85 mm 3.346 inch
Dimension Thickness - T	20.638 mm 0.813 inch
Dimension Cone - B	21.692 mm 0.854 inch
Dimension Cup - C	17.462 mm 0.687 inch
Rows NO.	One
Rolling Element type	Tapered Rollers
Cone Number	355
Cup Number	354A
Seal	Open
Load	radial loads and axial loads
Shoulder IR - da	54 mm 2.126 inch
Shoulder IR - db	50 mm 1.969 inch
Shoulder OR - Da	77 mm 3.031 inch
Shoulder OR - Db	80 mm 3.150 inch
Inner/Outer Ring Material	Case Carburized Steel
Rolling Element Material	Case Carburized Steel
Lubrication	w/o Oil Hole
Bore Type	Cylindrical
Temperature - T(min)	-40 °C
Temperature - T(max)	120 °C
Fillet radius - ras max	2.3 mm

Fillet radius - r1as max	1.3 mm 0.051 inch
Load center - a	5.1 mm
Constant - e	0.31
Axial load factors - Y2	1.96
Axial load factors - Y0	1.08

What are the applications of the 4T-355/354A bearing?

- **Automotive and Vehicle Engineering**
- **Wheel Hubs (Front and Rear Wheels):** Bears combined loads, adapts to rapid acceleration/deceleration conditions, and ensures driving stability.
- **Transmissions and Differentials:** High rigidity, precise axial positioning, reduces noise and vibration, and improves shift smoothness.
- **Industrial Transmission Equipment**
- **Gearboxes and Drives:** Transmits large radial and unidirectional axial loads, with rated loads more than 35% higher than conventional bearings.
- **Mining and Metallurgical Machinery:** Impact resistant, heavy-duty, adaptable to harsh and dusty environments, and extends equipment maintenance cycles.
- **Engineering and Agricultural Machinery**
- **Agricultural Machinery Reduction Gear:** Separable design facilitates installation and maintenance, adaptable to low-speed, heavy-load conditions.
- **Engineering Machinery Transmission Systems:** Uses stamped steel cages, optimizes costs, and meets reliability requirements for low- and medium-speed scenarios.

Tradebearing(TBS): <https://en.tradebearings.com/>

Email: admin@tradebearings.com

Whatsapp/Mob.: +86 15906428604