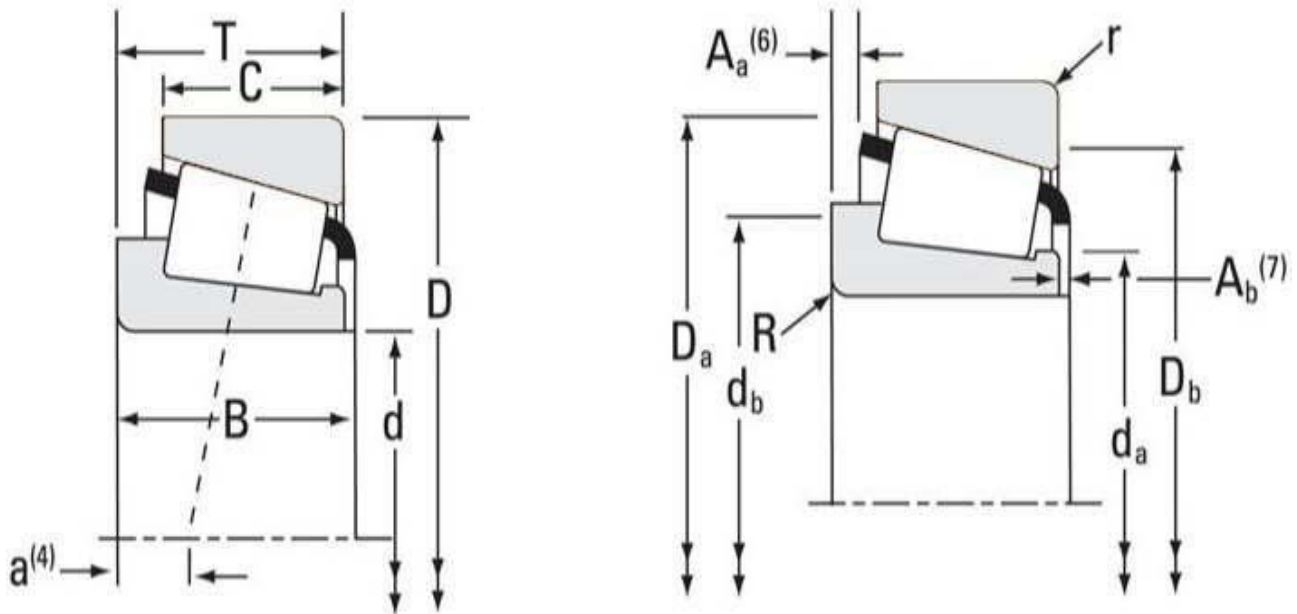


Scheda tecnica
Cuscinetto Timken 08125 + sede 08231

TYPE TS



Dimensions

d - Bore	1.2500 in 31.750 mm
D - Cup Outer Diameter	2.3125 in 58.738 mm
B - Cone Width	0.5937 in 15.080 mm
C - Cup Width	0.4219 in 10.716 mm
T - Bearing Width	0.5781 in 14.684 mm

Abutment and Fillet Dimensions

R - Cone Backface "To Clear" Radius¹	0.04 in 1 mm
r - Cup Backface "To Clear" Radius²	0.04 in 1.02 mm

da - Cone Frontface Backing Diameter	1.42 in 36 mm
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db - Cone Backface Backing Diameter	1.48 in37.5 mm
Da - Cup Frontface Backing Diameter	2.20 in55.88 mm
Db - Cup Backface Backing Diameter	2.05 in52.07 mm
Ab - Cage-Cone Frontface Clearance	0.07 in1.8 mm
Aa - Cage-Cone Backface Clearance	0.02 in0.5 mm
a - Effective Center Location³	-0.05 in-1.3 mm

Basic Load Ratings

C90 - Dynamic Radial Rating (90 million revolutions)⁴	1850 lbf8220 N
C1 - Dynamic Radial Rating (1 million revolutions)⁵	7130 lbf31700 N
C0 - Static Radial Rating	7880 lbf35000 N
C_{a90} - Dynamic Thrust Rating (90 million revolutions)⁶	1500 lbf6670 N

Factors

K - Factor⁷	1.23
e - ISO Factor⁸	0.47
Y - ISO Factor⁹	1.27
G1 - Heat Generation Factor (Roller-Raceway)	10.7

G2 - Heat Generation Factor (Rib-Roller End)

10.6

Cg - Geometry Factor¹⁰

0.0601

- ¹ These maximum fillet radii will be cleared by the bearing corners.
- ² These maximum fillet radii will be cleared by the bearing corners.
- ³ Negative value indicates effective center inside cone backface.
- ⁴ Based on 90×10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values.
- ⁵ Based on 1×10^6 revolutions L_{10} life, for the ISO life calculation method.
- ⁶ Based on 90×10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values for a single-row, $C_{90(2)}$ is the two-row radial value.
- ⁷ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.
- ⁸ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.
- ⁹ These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.
- ¹⁰ Geometry constant for Lubrication Life Adjustment Factor a3l.