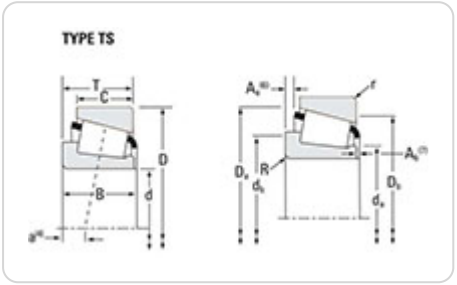
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Part Number 32260, Tapered Roller Bearings - TS (Tapered Single) Metric





Key Features

- Available in single, double and multi-row configurations, as well as proprietary sizes
- Designed in collaboration with OE engineers to design, engineer and test bearings for premium performance in many applications
- Power dense designs allow for heavier loads and can help extend bearing life
- Optimized internal geometry lowers torque and operating temperatures to extend lubrication system life

- Can be designed to withstand high-corrosive, high-temperature and vacuum or low-lubrication environments with proprietary enhancements

Key Dimensions

Cone Part Number	X32260M
Cup Part Number	Y32260M
Bore (d)	300 mm 11.811 in
O.D. (D)	540 mm 21.2598 in
Width (T)	149 mm 5.8661 in
Dynamic Radial Load Rating - 1M Revs (C1) [1]	3090000 N 695000 lbf
Dynamic Radial Load Rating - 90M Revs (C90) [2]	802000 N 180000 lbf
e Factor [3]	0.43
K Factor [4]	1.34
Series	32260
Y Factor [5]	1.38

Other Dimensions

Inner Ring Width (B)	140 mm 5.5118 in
Outer Ring Width (C)	115 mm 4.5276 in
Effective Center Location[6]	-17.8 mm -0.7 in
Max Shaft Fillet Radius[7]	6 mm 0.236 in
Max Housing Fillet Radius[8]	5 mm 0.197 in
Shaft Backing Shoulder Diameter - Frontface (da)	345 mm 13.58 in
Shaft Backing Shoulder Diameter - Backface (db)	359 mm 14.13 in
Housing Backing Shoulder Diameter - Frontface (Da)	511 mm 20.12 in
Housing Backing Shoulder Diameter - Backface (Db)	483.1 mm 19.02 in
Cage Location Relative to Backface (Aa)	15.8 mm 0.62 in
Cage Location Relative to Frontface (Ab)	8.9 mm 0.35 in
Weight	139.93 Kg 308.48 lb

Ratings

Dynamic Axial Rating - 90M Revs (Ca90)[9]	597000 N 134000 lbf
Static Radial Load Rating (C0)	5310000 N 1190000 lbf

Factors

G1 Factor	3303.4
G2 Factor	165.8
Geometry Factor (Cg)[10]	0.212

[1] Based on 1 x 10^6 revolutions L_{10} life, for the ISO life calculation method.

[2] Based on 90 x 10^6 revolutions L_{10} life, for The Timken Company life calculation method. C_{90} and C_{a90} are radial and thrust values.

[3] These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

[4] These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

[5] These factors apply for both inch and metric calculations. Consult your Timken representative for instruction on use.

[6] Negative value indicates effective center inside cone backface.

[7] These maximum fillet radii will be cleared by the bearing corners.

[8] These maximum fillet radii will be cleared by the bearing corners.

[9] Based on 90 x 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.

[10] Geometry constant for Lubrication Life Adjustment Factor a3l.