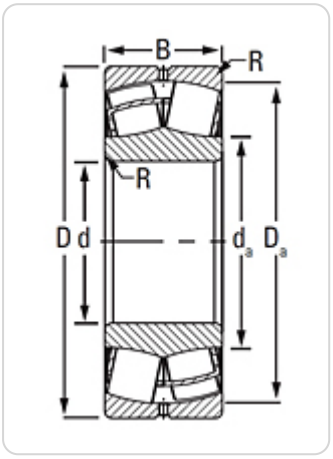
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Part Number 24015EJW33, Spherical Roller Bearings - Steel Cage





Key Features

- Longer bearing life achieved from higher capacity (vs. competitors)
- Longer lubrication life achieved from lower operating temperatures due to reduced internal friction and running torque from cage guided rollers
- Better contaminant purging from slots on cage face helps extend bearing life

- Greater fatigue strength and increased wear resistance provide tougher protection against shock and acceleration loading from a hardened steel cage

Key Dimensions

UPC Code	0087796360907
Bore (d)	75 mm
O.D. (D)	115.000 mm 4.5276 in
Width (B)	40 mm 1.5748 in
Dynamic Radial Load Rating - 1M Revs (C1)	200000 N 44900 lbf
e Factor[1]	0.31

Other Dimensions

Max Shaft Fillet Radius[2]	1.00 mm 0.039 in
Shaft Backing Shoulder Diameter	83.3 mm 3.2800 in
Housing Backing Shoulder Diameter	106 mm 4.17 in
Design Unit	Metric

Ratings

Static Radial Load Rating (C0)	262000 N 58900 lbf
Thermal Reference Speed - Oil[3]	4300 rpm
Thermal Reference Speed - Grease	3500 rpm

Factors

Y0 Factor[4]	2.14
Y1 Factor [5]	2.19
Y2 Factor[6]	3.26

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

[2] Maximum housing fillet radius that bearing corners will clear.

[3] See thermal speed ratings in the engineering section.

[4] These factors apply for both inch and metric calculations. See engineering

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

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