



Bearing+22310EJW33

URL:<https://www.sxplc.com/bearing-22310ejw33>

Product data sheet

Specifications	
UPC Code	087796023741
Design Unit	Metric
d - Bore	50 mm
Lubrication Type	Standard Grease
Cage Type	EJ
Cage Material	Steel
Superseded Part	22310CJW33

Factors	
e - ISO Factor ¹	0.36
Y0 - ISO Factor ²	1.85
Y1 - ISO Factor ³	1.89
Y2 - ISO Factor ⁴	2.81
Reference Thermal Speed Rating (Grease)	4600 rpm
Reference Thermal Speed Rating (Oil) ⁵	5500 rpm
Cg - Geometry Factor ⁶	0.0549

Dimensions	
D - Outer Diameter	110 mm 4.3307 in
B' - Inner Ring Width	40 mm 1.5748 in
B - Outer Ring Width	40 mm 1.5748 in

Abutment and Fillet Dimensions	
R - Inner Ring "To Clear" Radius ⁷	2 mm 0.080 in
r - Outer Ring "To Clear" Radius ⁸	2 mm 0.080 in
da - Inner Ring Backing Diameter	65.00 mm 2.600 in
Da - Outer Ring Backing Diameter	98.000 mm 3.900 in

Basic Load Ratings	
C0 - Static Radial Rating	241000 N 54200 lbf
C1(2) - Dynamic Radial Rating (Two-Rows)	238000 N 53500 lbf

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

² These factors apply for both inch and metric calculations. See engineering

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 See thermal speed ratings in the engineering section.

⁶ Geometry constant for Lubrication Life Adjustment Factor a3l.

⁷ Maximum housing fillet radius that bearing corners will clear.

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

