



Bearing Rolamentos do Brasil Ltda.

TYPE TS



23220EAS.M Self-aligning Roller Bearing 100*180*60.3mm

Bearing No. 447

447 Bearing 2D drawings and 3D CAD models

Series	435
Cone Part Number	447
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	49700 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	12900 lbf
d	1.6250 in
B - Cone Width	1.1772 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	1.91 in
db - Cone Backface Backing Diameter	2.17 in
Ab - Cage-Cone Frontface Clearance	0.05 in
Aa - Cage-Cone Backface Clearance	0.04 in
a - Effective Center Location ⁴	-0.36 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	7400 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	28500 lbf



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C0 - Static Radial Rating	32400 lbf
C _{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	3600 lbf
K - Factor ⁸	2.05
G1 - Heat Generation Factor (Roller-Raceway)	42.5
G2 - Heat Generation Factor (Rib-Roller End)	11.3
Cg - Geometry Factor	0.0805