



TYPE TS



Timken 456 452D Tapered roller bearing

Bearing No. 456

456 Bearing 2D drawings and 3D CAD models

Series	455
Cone Part Number	456
Design Units	Imperial
Cage Type	Stamped Steel
C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) ¹	62900 lbf
C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) ²	16300 lbf
d	2.1250 in
B - Cone Width	1.1542 in
R - Cone Backface To Clear Radius ³	0.14 in
da - Cone Frontface Backing Diameter	2.4 in
db - Cone Backface Backing Diameter	2.68 in
Ab - Cage-Cone Frontface Clearance	0.08 in
Aa - Cage-Cone Backface Clearance	0.07 in
a - Effective Center Location ⁴	-0.28 in
C90 - Dynamic Radial Rating (90 million revolutions) ⁵	9370 lbf
C1 - Dynamic Radial Rating (1 million revolutions) ⁶	36100 lbf
C0 - Static Radial Rating	37200 lbf



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C_{a90} - Dynamic Thrust Rating (90 million revolutions) ⁷	5380 lbf
K - Factor ⁸	1.74
G1 - Heat Generation Factor (Roller-Raceway)	58.6
G2 - Heat Generation Factor (Rib-Roller End)	17.1
Cg - Geometry Factor	0.0946