

# AST ASTB90 F5540 plain bearings

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AST ASTB90 F5540 plain bearings in 15000 Series Stock Imperial  
Design Units & Ready to Ship 15100 Cone Part Number Now!

Series	15000
Cone Part Number	15100
Design Units	Imperial
Cage Type	Stamped Steel
C1 – Dynamic Radial Rating (Two-Row, 1 million revolutions)1	23400 lbf
C90(2) – Dynamic Radial Rating (Two-Row, 90 million revolutions)2	6080 lbf
d	1.0000 in
B – Cone Width	0.8125 in
R – Cone Backface To Clear Radius3	0.14 in
da – Cone Frontface Backing Diameter	1.24 in
db – Cone Backface Backing Diameter	1.5 in
Ab – Cage-Cone Frontface Clearance	0.07 in
Aa – Cage-Cone Backface Clearance	0.03 in
a – Effective Center Location4	-0.23 in
C90 – Dynamic Radial Rating (90 million revolutions)5	3490 lbf
C1 – Dynamic Radial Rating (1 million revolutions)6	13500 lbf
C0 – Static Radial Rating	12100 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions)7	2090 lbf

K – Factor <sup>8</sup>	1.67
G1 – Heat Generation Factor (Roller-Raceway)	14.6
G2 – Heat Generation Factor (Rib-Roller End)	10
Cg – Geometry Factor	0.0606