

PSL PSL 612-319 tapered roller bearings

PSL PSL 612-319 tapered roller bearings with easy-to-use parts graphics, giving you the ability to 158442 Cup Part Number check 158000 Series parts availability, EE158350 Cone Part Number pricing, examine remanufactured options.

Series	158000
Cone Part Number	EE158350
Cup Part Number	158442
Design Units	Imperial
Bearing Weight	249.400 Kg
Cage Type	Pin-Type
d	889.000 mm
D	1123.950 mm
B – Cone Width	111.125 mm
C – Cup Width	76.200 mm
B	120.650 mm
R – Cone Backface To Clear Radius ¹	19.050 mm
r – Cup Backface To Clear Radius ²	6.35 mm
da – Cone Frontface Backing Diameter	927.10 mm
db – Cone Backface Backing Diameter	957.07 mm
Da – Cup Frontface Backing Diameter	1089.91 mm
Db – Cup Backface Backing Diameter	1059.94 mm
Ab – Cage-Cone Frontface Clearance	8.13 mm
Aa – Cage-Cone Backface Clearance	20.57 mm
a – Effective Center Location ³	124.2 mm

C90 – Dynamic Radial Rating (90 million revolutions) ⁴	170000 lbf
C1 – Dynamic Radial Rating (1 million revolutions) ⁵	655000 lbf
C0 – Static Radial Rating	1740000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶	167000 lbf
K – Factor ⁷	1.01
e – ISO Factor ⁸	0.58
Y – ISO Factor ⁹	1.04
G1 – Heat Generation Factor (Roller-Raceway)	16994.2
G2 – Heat Generation Factor (Rib-Roller End)	1630.2
Cg – Geometry Factor	0.387