

# RHP LT6.1/2 thrust ball bearings

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Series	2500
Cone Part Number	2561X
Cup Part Number	2523-S
Design Units	Imperial
Bearing Weight	0.5 Kg
Cage Type	Stamped Steel
d	30.213 mm
D	69.850 mm
B – Cone Width	24.714 mm
C – Cup Width	19.050 mm
B	23.813 mm
R – Cone Backface To Clear Radius <sup>1</sup>	2.290 mm
r – Cup Backface To Clear Radius <sup>2</sup>	1.52 mm
da – Cone Frontface Backing Diameter	36.58 mm
db – Cone Backface Backing Diameter	39.88 mm
Da – Cup Frontface Backing Diameter	65.00 mm
Db – Cup Backface Backing Diameter	60.96 mm
Ab – Cage-Cone Frontface Clearance	2 mm
Aa – Cage-Cone Backface Clearance	0.5 mm
a – Effective Center Location <sup>3</sup>	-8.6 mm
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	4880 lbf

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	18800 lbf
C0 – Static Radial Rating	21200 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	2280 lbf
K – Factor <sup>7</sup>	2.14
e – ISO Factor <sup>8</sup>	0.27
Y – ISO Factor <sup>9</sup>	2.19
G1 – Heat Generation Factor (Roller-Raceway)	23.6
G2 – Heat Generation Factor (Rib-Roller End)	9.63
Cg – Geometry Factor	0.0656