

# SKF SYNT 45 L bearing units

We 861 Cone Part Number work closely with our SKF SYNT 45 L bearing units manufacturing partners to 854-B Cup Part Number bring the best 855 Series value to customers.

Series	855
Cone Part Number	861
Cup Part Number	854-B
Design Units	Imperial
Bearing Weight	15.6 lb
Cage Type	Stamped Steel
d	4.0000 in
D	7.5 in
D1 – Flange Outer Diameter	7.8710 in
B – Cone Width	2.2650 in
C – Cup Width	1.7500 in
C1 – Cup Flange Width	0.3750 in
T1 – Bearing Width	2.250 in
T – Bearing Width to Flange	0.8750 in
R – Cone Backface To Clear Radius <sup>1</sup>	0.310 in
r – Cup Backface To Clear Radius <sup>2</sup>	0.130 in
da – Cone Frontface Backing Diameter	4.49 in
db – Cone Backface Backing Diameter	5.08 in
Da – Cup Frontface Backing Diameter	6.86 in
Ab – Cage-Cone Frontface Clearance	0.06 in
Aa – Cage-Cone Backface Clearance	0.15 in
a – Effective Center Location <sup>3</sup>	-0.6 in
C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>	26700 lbf

C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>	103000 lbf
C0 – Static Radial Rating	142000 lbf
Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup>	15300 lbf
K – Factor <sup>7</sup>	1.74
e – ISO Factor <sup>8</sup>	0.33
Y – ISO Factor <sup>9</sup>	1.79
G1 – Heat Generation Factor (Roller-Raceway) <sup>10</sup>	264
G2 – Heat Generation Factor (Rib-Roller End)	44.9
Cg – Geometry Factor <sup>11</sup>	0.107