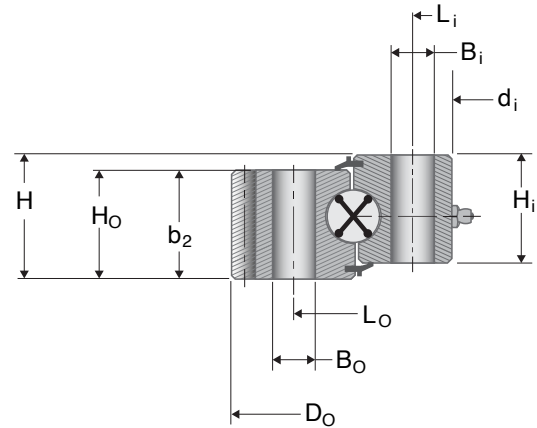


SILVERTHIN STE-870

External Gear Slewing Ring Bearing

Overall Dimensions

Outside diameter of outer ring (D_o)	47.444 in
Inside diameter of inner ring (d_i)	34.250 in
Height of overall bearing assembly (H)	4.250 in
Height of inner/outer rings (H_i/H_o)	3.875 in
Approximate Weight	771.00 lbs



Gear Data ($\alpha = 20^\circ$)

Tooth Form	Stub involute spur gear
Pitch diameter of gear (D_2)	46.800 in
Diametral pitch (P_d)	2.5
Max Gear Tooth Load (F_2)	31,620 lbs
Number of Teeth (Z_2)	117

Also Available

17 SD Tooth Mating Pinion	SP870-17
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Interchange

Kaydon	MTE-870
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Mounting Holes

Inner Ring Bolt Circle (L_i)	36.250 in
Inner Ring Hole Count	28
Inner Ring Hole Size (B_i)	1.188 in
Outer Ring Bolt Circle (L_o)	43.875 in
Outer Ring Hole Count	24
Outer Ring Hole Size (B_o)	1.188 in

Load Capacities

Moment Rating	920,970 ft-lbs
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