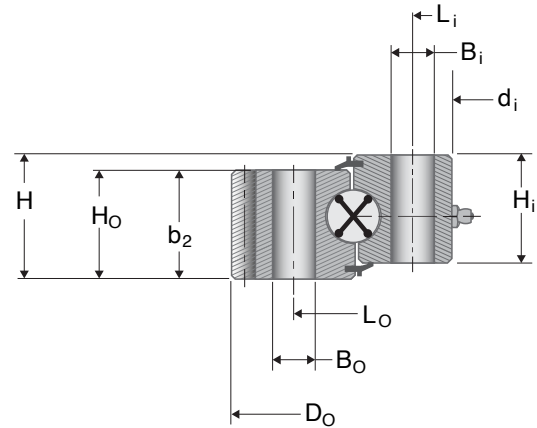


SILVERTHIN STE-590

External Gear Slewing Ring Bearing

Overall Dimensions

Outside diameter of outer ring (D_o)	33.534 in
Inside diameter of inner ring (d_i)	23.125 in
Height of overall bearing assembly (H)	2.875 in
Height of inner/outer rings (H_i/H_o)	2.563 in
Approximate Weight	283.00 lbs



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

Tooth Form	Stub involute spur gear
Pitch diameter of gear (D_2)	33.000 in
Diametral pitch (P_d)	3
Max Gear Tooth Load (F_2)	17,290 lbs
Number of Teeth (Z_2)	99

Also Available

14 SD Tooth Mating Pinion	SP590705-14
17 SD Tooth Mating Pinion	SP590705-17

Interchange

Kaydon [MTE-590](#)

Mounting Holes

Inner Ring Bolt Circle (L_i)	24.875 in
Inner Ring Hole Count	24
Inner Ring Hole Size (B_i)	0.938 in
Outer Ring Bolt Circle (L_o)	30.625 in
Outer Ring Hole Count	18
Outer Ring Hole Size (B_o)	0.938 in

Load Capacities

Moment Rating	213,320 ft-lbs
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