

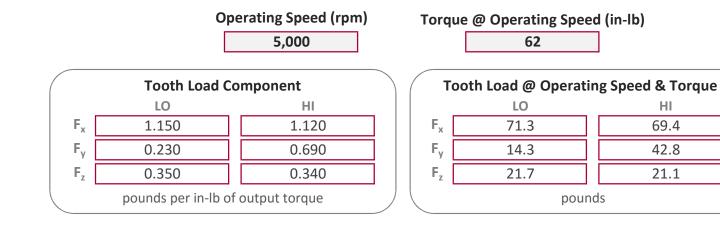
When selecting bearings, it is necessary to know the direction and magnitude of the tooth forces so that bearing relations may be determined. The tables below convey both unit- and operational-tooth loads for:

- F_x axial force acting on pinion
- $\mathrm{F_v}$ separating force acting on pinion
- $F_{z}^{'}$ tangential force acting on pinion

Hi-Lo side forces are shown acting on the gear.

Forces act on the gear tooth at mid-tooth depth and at mid-face on center distance.

Forces on the pinion are in the reverse direction from those shown.



CUSTOMER	CUSTOMER NAME		
PROJECT	CUSTOMER PROJECT		
GEAR O.D.	1.875	RH / LH	RH
RATIO (TO 1)	31	GEAR MATERIAL	STEEL
GEAR TYPE	SPIROID	CUTTING TOOL	52-417

