



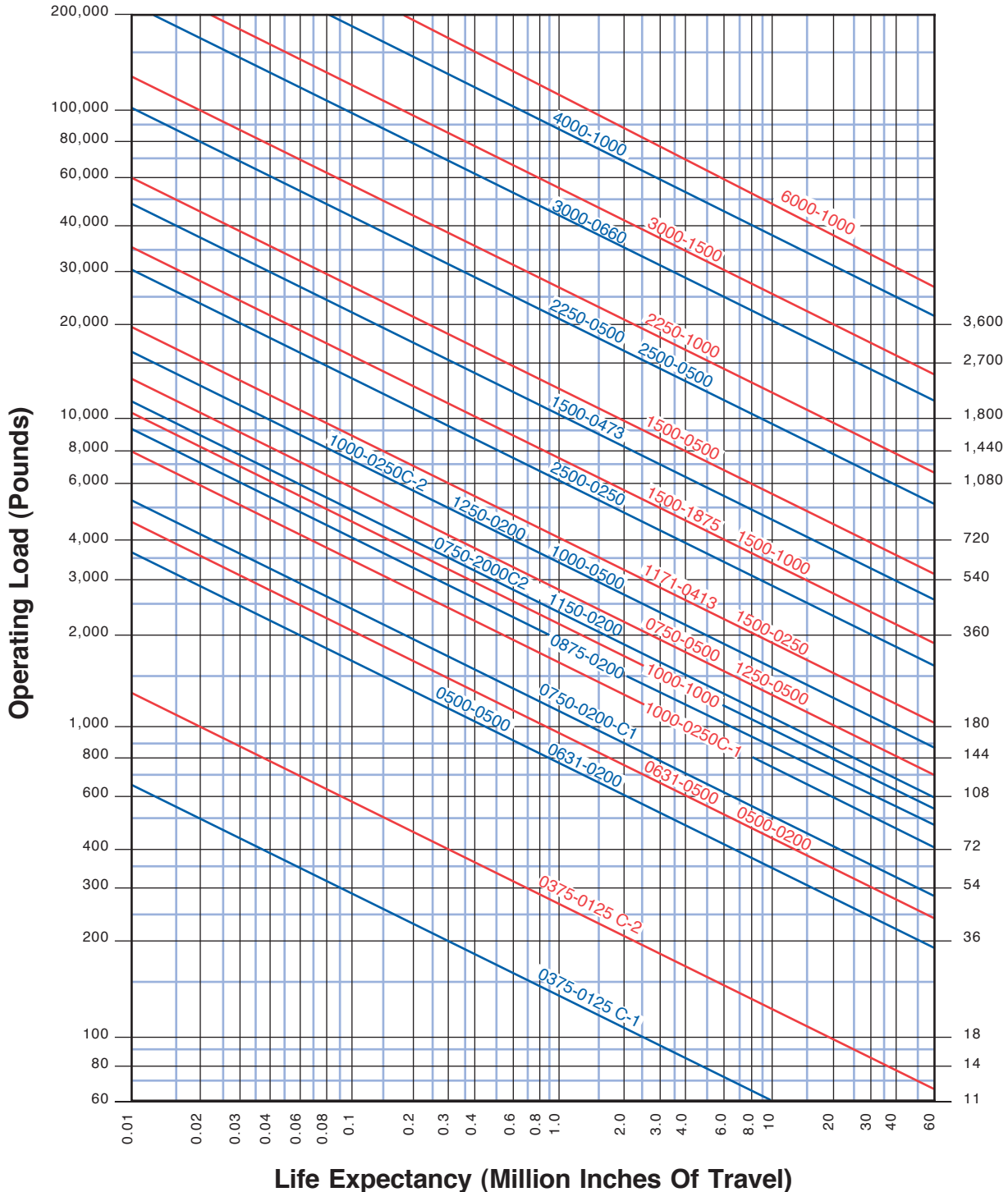
**TO USE THIS CHART:**

- 1) Determine required Life (in million inches of travel) at equivalent operating load.
  - 2) Find point at which load and life requirement intersect.
  - 3) Select ball nut to the right or above the intersect point.
- NOTE:** IF USING A BALL SCREW WITHOUT LUBRICANT DE-RATE LIFE BY 90%

PRECISION BALL SCREW ASSEMBLY TECHNICAL INTRODUCTION

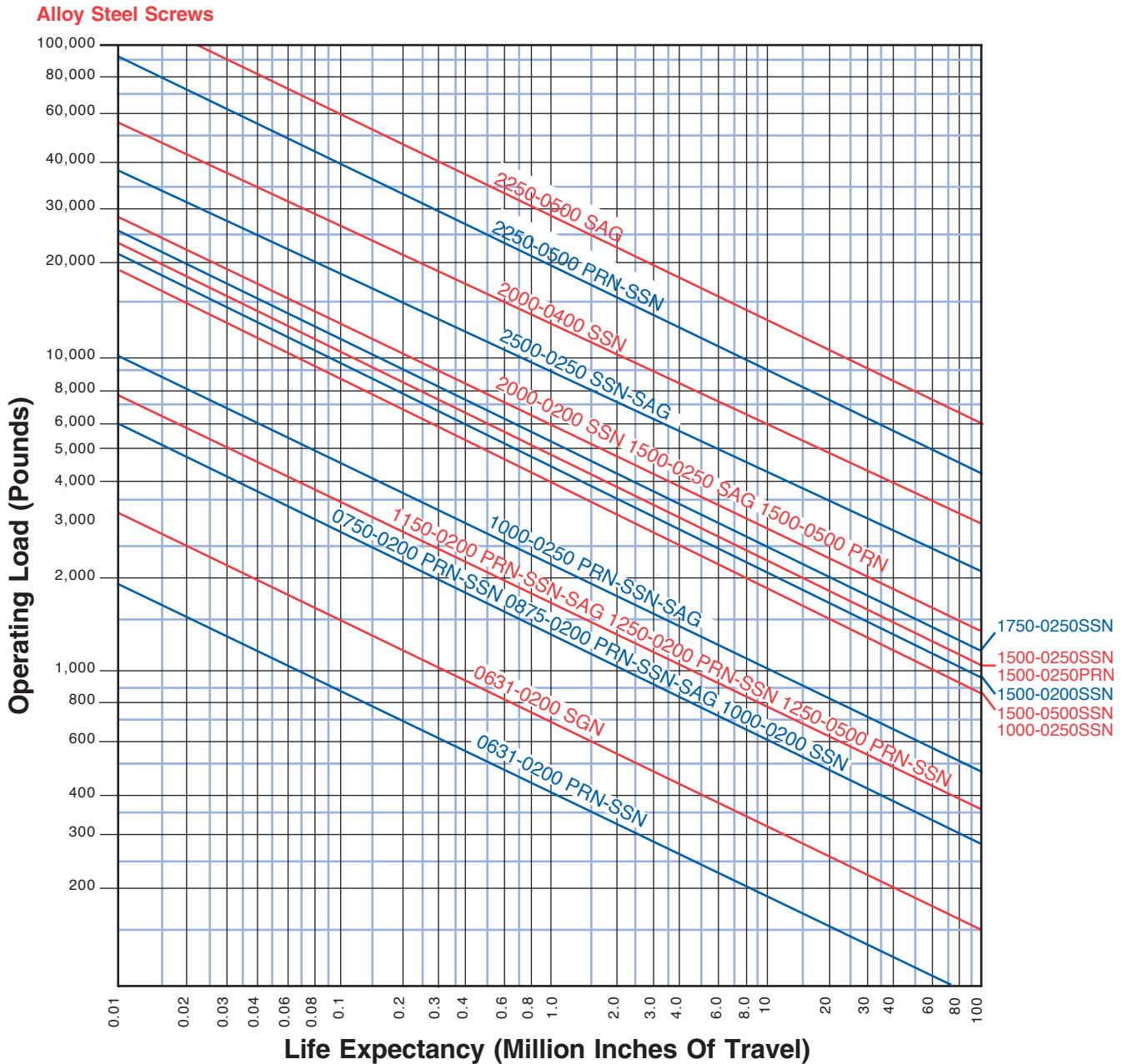
**Alloy Steel Screws**

**Stainless Steel Screws**



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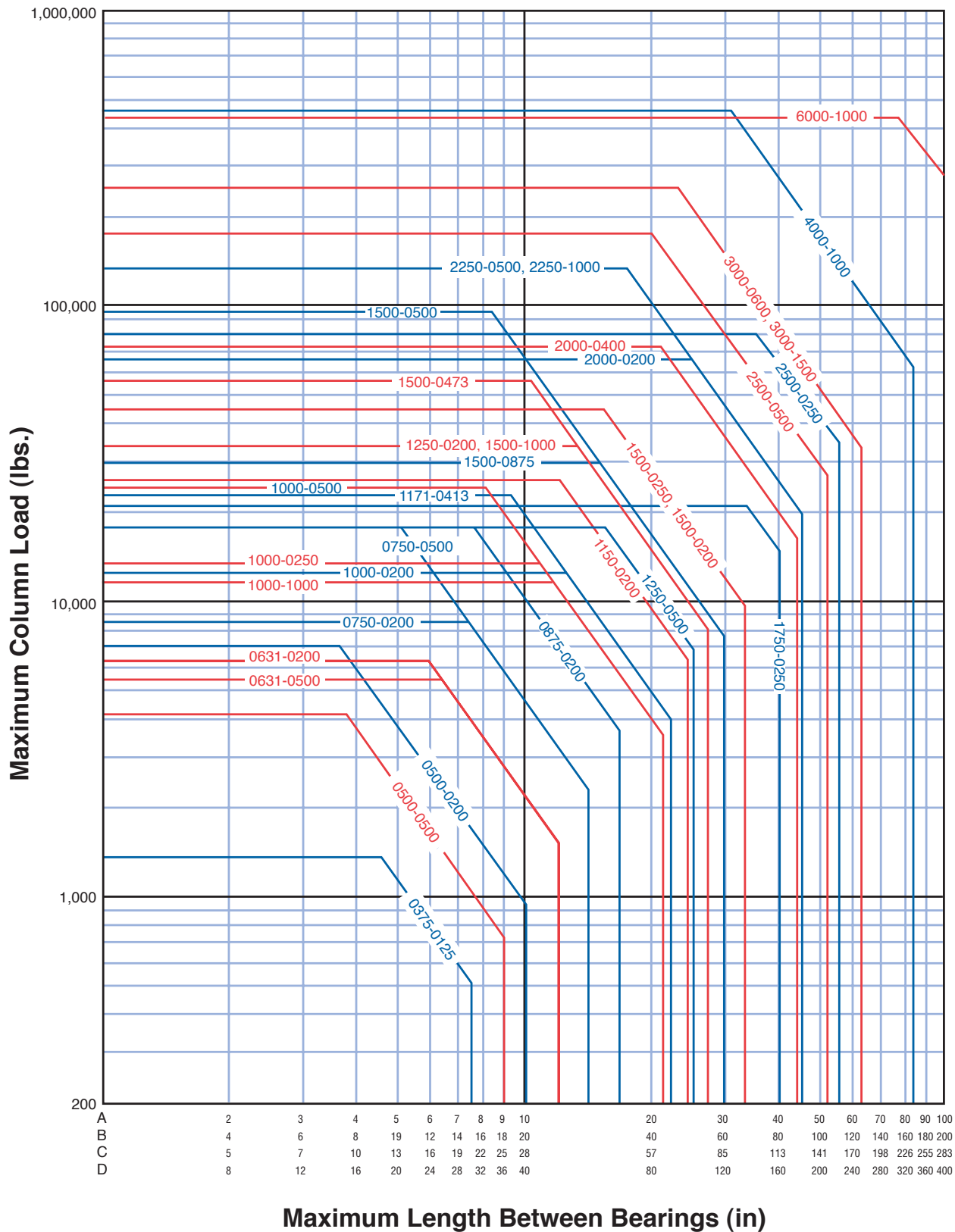
# COLUMN STRENGTH: INCH SRT, XPR AND SGT SCREWS



Use this chart to verify the screw selected has sufficient column strength for your load.

**TO USE THIS CHART:** find a point at which the maximum length between bearing and load intersects the maximum load. Be sure the screw selected is above and to the right of that point.

PRECISION BALL SCREW ASSEMBLY TECHNICAL INTRODUCTION



See Page 87 for Reference Description for "A-B-C-D" end fixity.

## Maximum Length Between Bearings (in)

**TO USE THIS CHART:**

- 1) Determine maximum travel rate required.
- 2) Determine screw length "L".
- 3) Find point at which travel rate and screw length intersect.  
Select a screw above and to the right of that point.

