



## Declaration of Hinge Capacities

We, Crown Industrial of 213 Michelle Court South San Francisco, CA 94080, declare the following list of products have been engineered and tested in order to develop the working load capacities as listed below and all published documents. In conjunction with physical testing, our factory has performed a thorough stress analysis of the entire hinge under static and dynamic conditions that identify the critical stress areas. The factory then utilized the following reference documents for determining the required safety factors and/or allowable loads/stresses. Unless noted otherwise, all internal bearing are rated for 1 million cycles at full thrust and radial load under ideal conditions. Actual bearing life may vary depending on installed conditions.

Steel Construction Manual AISC Allowable Stress Design (ASD)

Structural Welding Code AWS D1.1

Thrust/radial bearing manufacturer's catalogs

ANSI 156.1 (Note all CBI series hinges exceed ANSI 156.1 Grade 1 requirements (2.5 Million Cycles))

<b>Model Number</b>	<b>Thrust Capacity (lbs)</b>	<b>Radial Capacity (lbs)</b>
CBI8505	800	320
CBI8506	800	320
CBI8507	800	320
CBI8508	800	320
CBI8510	2000	800
CBI8511	2000	800
CBI8512	2000	800
CBI8513	2000	800

Brian Morgan  
President