

5505L

HIGH PERFORMANCE FLANGE LIVE LOADING



Benefits

- Extend equipment life
- Economical solution for expensive leakage and maintenance for critical equipment
- Automatically maintains uniform clamping force, improving bolted joint sealing reliability
- Compensates for thermal expansion and contraction
- Absorbs vibrational shock
- Dampens effects of pressure surges, preventing gasket blowout

New Technology for Leak-Free Critical Flange Sealing

The 5505L offers improved performance in flange discs over more common flange disc materials. It also compensates for a variety of conditions, that are detrimental to reliable joint sealing, by maintaining a consistent load on the equipment gasket. This increases equipment uptime and reduces the problems associated with equipment leakage due to system upsets.

Industrial Applications

Power: steam/condensate, lube oil

HPI: hydrocarbons/emissions, process cooling water

CPI: toxic or dangerous fluids/gases, cryogenics

Wastewater: methane

Other: marine, alumina plants, pulp & paper, food processing

Ideal for the following equipment: heat exchangers, ANSI/DIN pipe flanges, evaporators/condensers, chillers, crystallizers, valve bonnets, and pressure vessels.

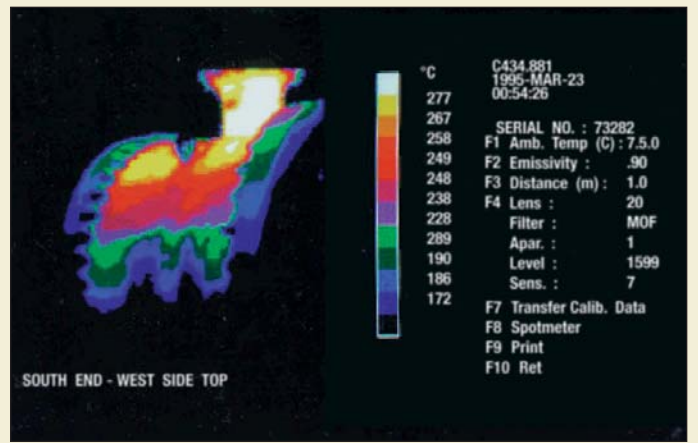
5505L

HIGH PERFORMANCE FLANGE BOLT DISCS

The 5505L disc design allows for use of a single washer versus two per nut, as with conventional designs. Due to the elimination of inter-disc friction, the force transfer from the stored elastic energy to gasket stress is significantly improved, resulting in better MTBR/MTBF in bolted assemblies.

Manufactured from an aerospace corrosion-resistant steel used for jet engines and steam turbines—applications where high temperature and vibration are present—the 5505L offers improved performance over conventional materials used for flange discs. Combining these characteristics, when properly selected and installed, Chesterton 5505L Flange Live Loading can provide dramatic improvements in sealing performance and service life.

Inches	MM	Bolt Stress Class
1.000		A,B
1.125		A,B
1.250		A,B
1.375		A,B
1.500		A,B
	24,0	A,B
	27,0	A,B
	30,0	A,B
	33,0	A,B
	36,0	A,B
	39,0	A,B



Technical Data

Temperature Limit:	Max: 350°C (662°F) Min: -100°C (-148°F)
Color:	Silver
Bolt Stress*:	Class A & B

* Other sizes and class available – contact your Chesterton representative.

Chesterton's ISO certificates are available on www.chesterton.com/corporate/iso

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.

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860 Salem Street
 Groveland, MA 01834 USA
 Telephone: 781-438-7000
 Fax: 978-469-6528
www.chesterton.com

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