



Single Acting Spring Hinge

LUBE BEARING LB4300 SERIES

PATENT 6,460,220

C^UL^US LISTED GRADE 1 UNITED STATES AND CANADA

BHMA Certified GRADE 1 For 1 Million Cycles

Bommer Industries New Lube Bearing LB4300 Series Single Acting Spring Hinge is Listed by Underwriters Laboratories to meet ANSI A156.17 Grade 1 for self closing hinges (approved for fire door applications). Also BHMA Certified to conform to all ANSI A156.17 Grade 1 standards for 1 million cycles.

Uses for Single Acting Spring Hinge

Minimizes cost of installing a door closing device on industrial, commercial, institutional and residential applications. Used to convert doors to self-closing in existing buildings. For use in hotels, motels, apartments, dormitories, residences, etc., where doors are required to be self closing. (**always verify local fire code requirements**)

Labeled Doors - Maximum door sizes and number of hinges required is based on limits set forth in NFPA #80. NFPA #80 requires a minimum of two (2) spring hinges on labeled fire door applications. LB4300 Series hinges are listed by UL for fire rated openings up to and including 3 hour, **A label** openings.

Wind conditions, excessive air pressure on side of opening, or other adverse job conditions may require the use of all spring hinges. **For maximum versatility use all spring hinges.**

UL listed spring hinges are not available with reverse springs.

Maximum Labeled Door Size - 3'-0" wide x 7'-0" high x 1 3/4" thick as set in NFPA #80.

PLEASE NOTE : Always verify local fire code requirements.

Non-Labeled Doors - Maximum door width - 4'-0". For doors over 7'-6" in height, use an additional hinge for each additional 30" of height or fraction thereof.

HINGE SELECTION FOR MAXIMUM DOOR SIZE

Maximum Labeled Door Size Recommended 3'-0" Wide x 7'-0" High				
4300 SERIES			HINGE SELECTION	
Recommended Maximum Door Weight (LBS.)			SPRING HINGES	BUTT HINGES
350 3 1/2" X 3 1/2"	400 4" X 4"	450 4 1/2" X 4 1/2"		
70	85	115	2 Each	1 Each
90	110	150	3 Each	NONE

***NOTES:**

When Installing a Bommer LB4300 Series Spring Hinge with a butt hinge the following guidelines should be followed:

3 1/2" and 4" .096 Gage Spring Hinge with 3 1/2" and 4" Residential butt hinge gage .085 to .109

3 1/2" and 4" .130 Gage Spring Hinge with 3 1/2" and 4" light Commercial butt hinge gage .123 to .130

4 1/2" .134 Gage Spring Hinge with 4 1/2" Commercial butt hinge gage .134

"Over 125 Years of Quality"

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