



DEANSTEEL

Blast Resistant Doors & Frames

BULLET & BLAST RESISTANT PRODUCTS

Safety Compliance

Deansteel's Blast Resistant door and frame products have been analyzed and/or tested by independent laboratories. The door units are labeled and certified by Deansteel.

Testing Agencies

- Architectural Testing Inc.
- Baker Engineering and Risk Consultants Inc.
- Texas Tech University Wind Engineering Laboratory

Fire Protection

Many of Deansteel's Blast and Door and Frame assemblies can be certified under the Underwriters Laboratories – 10B and 10C Positive Pressure Fire test.

Options

Door designs with full or half glass openings are available for our DSLB-1 doors, and with a 10"x10" vision lite in our DSLB doors.



www.deansteel.com

All Deansteel blast resistant products have been analyzed and/or tested by an independent, nationally recognized engineering laboratory to meet the blast loading for which they are certified. Most of the analyses are validated by actual shock tube or static pressure test results, and are either used to extend the physical sizes of door/frame assemblies or to extend the peak blast pressure and/or impulse that the designs will resist.

Deansteel offers the Architectural and Engineering communities a wide range of options for special blast requirements and installation applications. Our most common models are:

- DSLB-1 Doors and Frames resist low peak blast loads up to 1 psi with blast load durations from very short to extremely long.
- DSLB-2 Doors and Frames resist peak blast loads between 1 and 3 psi with blast load durations from very short to extremely long.
- DSLB-3 Doors and Frames resist peak blast loads from 3 and 10 psi depending on the positive phase blast wave duration.
- DSTD Doors and Frames to resist high peak blast loads greater than 10 psi and long durations.

Deansteel blast resistant door units are certified to provide a minimum of a Category II response to the projected blast event (unless otherwise noted). This performance level is characterized by

limited permanent deformation to the door/frame assembly, and the door unit remains operational.

The doors and frames are available in standard or custom sizes and are furnished as complete assemblies with all required hardware. Vision lites (fixed glass openings) are optionally available depending on the projected blast level. A permanent label is affixed to the assembly certifying the blast resistance rating of the unit.

Many of our blast door designs can be certified as UL Fire Doors with 20 minutes to 3 hour ratings, if required. We can also offer ballistic resistance ratings on most of our blast doors to meet the various levels as specified in UL 752, NIJ 0108.1, ASTM F1233 or MIL-SAMIT specifications.

Deansteel also offers custom engineered solutions for most blast resistance applications. Please contact our Sales Department for complete details and/or a quotation.



BLAST RESISTANT DOOR UNITS
1.0 psi to 17.7 psi – Seated & Unseated Conditions

American Made ~ American Owned ~ Buy American

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