

## Blast Resistant Door - Request For Quote

Door					Blast Requirements ④						Frame ⑤		Hwr ⑥		
Opening ①					Door	Fire	Seated or Unseated	Load (psi)	Impulse (psi-ms)	Duration (ms)	% Rebound Response	Response Category	Jamb Width	Wall Thickness	Lock Type
Qty	Swing	Width	Height	Material	Type ②	Rating ③									
1															
2															
3															
4															
5															

**①** **Door Swing**

**Door Swing**

**Material:**  
The doors material type (SS- Stainless Steel, CR- Cold Rolled, GV - Galvanized)

**Hinges:**  
Heavy Duty S.S. Hinges 32D

**②**

(F) Flush    (V) Vision    (N) Narrow Lite    (G) Half Glass    (FG) Full glass

Glazing will be specified as necessary to meet the blast requirements. Please specify if the glazing is to be supplied by Deansteel or if you, the customer, will provide the glazing.

Glazing by Deansteel Manufacturing Inc.

Glazing provided by Customer

**③ Fire Rating** - Opening is required to have a UL 10C fire rating of 1/3, 3/4, 1-1/2 or 3 hour.

**④**

**Seated**      **Unseated**

**Seated or Unseated** - the direction of loading on the door by the blast pressure (towards or away from the frame stop).

**Load** - Peak blast load is expressed in psi (peak reflected pressure).

**Duration** - Blast duration in milliseconds (ms).

**Impulse** - The impulse the door will be exposed to in psi-milliseconds (psi-ms).

**Rebound Response** - The magnitude of dynamic rebound of the door panel to the initial blast pressure impulse in the opposite direction of the blast as a percent.

**0%** - No rebound response required.

**25%** - Rebound fractional load of the initial blast pressure as a percent.

**50%** - Rebound fractional load of the initial blast pressure as a percent.

**100%** - Rebound load is equal to the initial blast pressure.

**Category:**

**I** - No permanent damage.

**II** - Permanent damage to the panel, but the door remains operable.

**III** - Panel is damaged & inoperable, but the door remains as a barrier.

**IV** - Door panel is severely deformed with openings between the door and frame, but the door remains affixed to the frame.

<b>⑤</b> Jamb width - Overall width of the frame section profile (also referred to as jamb depth).	Contact Person:
Wall type - Wall condition the frame will be anchored to (Masonry or Channel or Structural Steel).	Title:
<b>⑥</b> Lock Type - Panic Device, Single Point Mortise Lock or 3 Point Mortise Lock - Stn Stl Finish.	Company:

 <a href="http://www.Deansteel.com/bullet_blast">www.Deansteel.com/bullet_blast</a> 931 S. Flores Street • San Antonio, Texas 78204 (210) 226-8271 • (800) 825-8271 • Fax (210) 224-7910	Project Name:	Phone:
	Project Location:	E-mail:
	Project Mgr:	Fax:
	Contact Phone:	Date: