

**Single wing Impact 1 explosion protection door**

**Blast Resistance**                      **EPR 2**                      **according to DIN EN 13124-1**  
**and/or**                                      **1,0 bar**                      **heightened impulse up to 650 bar·ms**

**Explosion Protection**                      **up to zone 1/21**                      **acc. to DIN EN 1127-1 / ATEX 94/9/EG**

* Burglar Proof	<b>RC2/RC3/RC4/RC5</b>	in accordance with DIN EN 1627
* Shot Proof	<b>FB4/FB6/FB7</b>	in accordance with DIN EN 1522
* Air Tight	<b>up to classification 4</b>	in accordance with DIN EN 12207
* Rain and Fire Water Tight	<b>Classification 6A</b>	in accordance with DIN EN 1027
* Wind Tight	<b>Classification C5</b>	in accordance with DIN EN 12211
* Stainless steel		

**Range of Dimensions:**                      **Width from 500 mm to 1375 mm**  
**Height from 500 mm to 2500 mm**

(\* special options see back of page)

**Technical specification and text for invitation to tender**

**Product:**                                      **Single wing explosion protection door brand Buchele**

**Door Type:**                                      **Impact 1**

**Explosion Pressure:**                      **1,0 bar / 100 kPa**

**Blast Protection:**                      **EPR 2 according to DIN EN 13124-1**

**Explosion Protection:**                      **zone 1 (IIA, IIB) / zone 2 (IIA, IIB) / zone 21 / zone 22**  
**in accordance with DIN EN 1127-1 or ATEX 94/9/EG**

**Dimensions:**                                      **.... x .... mm**

**Door Leaf:**                                      Double walled, level 106 mm thick steel door leaf without hinge embossing, three sides folded with thick rebate without bottom stop. Special insulating inserts completely laid in and glued. Safety bolt screwed in door leaf fold.

**Sill:**    Floor bracket as separation bar. Surface galvanized and welded to the frame.

**Frame:**    3-sided circumferential folded corner frame. High-quality multi-chamber sealing profile adjustable fixed in the three sided groove.

**Hinges:**    Threepart height-adjustable construction hinges with hinge pin retention and ball-bearing spacer ring for smooth door movement.

**Fitting:**    Mortice lock with latch lever function in accordance with DIN EN 12209 (prepared for installation of a profile cylinder lock provided by customer) with additional 2 point automatic locking system attached on the door leaf. Door handle set in accordance with DIN EN 1906 firmly installed turnable aluminum F1 in U-shape with rounded short-plate.

<b>Surface:</b>	Door leaf and frame galvanized and primed with one component primer similar RAL 7001.
<b>Mounting:</b>	Delivery and professional assembly including filling of the cavities in the frame with mortar of group III.

### **Special Models**

<b>Standard Glazing:</b>	Splinter proof glazing held by profiled and visibly screwed steel glazing bars. Minimum frieze width 125 mm side and top, base 300 mm.
<b>Burglary Protection:</b>	RC 2,RC 3,RC 4 or RC 5 safety package with safety fitting.
<b>Emergency Door:</b>	With panic fitting in accordance with DIN EN 179 and 1125
<b>Pressure Release flap:</b>	Self-closing flap for pressure release in the door leaf. On the internal side optional secured by a grille.
<b>Bullet Proof:</b>	FB 4, FB6 and FB 7 special inlay in door leaf and frame.
<b>Airtight:</b>	High-quality multi-chamber sealing profile adjustable fixed in the three sided groove of the frame in connection with a drop seal or a stop seal.
<b>Driving Rain Water tight:</b>	High-quality multi-chamber sealing profile adjustable fixed in the three sided groove of the frame in connection with a stop seal.
<b>Windproof</b>	High-quality multi-chamber sealing profile adjustable fixed in the three sided groove of the frame in connection with a stop seal.
<b>Stainless Steel:</b>	Material 1.4301 (V2A) or. 1.4571 (V4A), Surface bright mill or brushed.

