

## CIS Type 4180 Bomb Resistant Bin

The CIS type 4180 anti-bomb bin is a blast containment litter bin and provides 360° lateral protection against fragmentation and blast pressure. The type 4180 is utilized as a regular litter bin in public areas and can also be used as a safe receptacle to temporarily store suspicious objects until appropriate authorities arrive. It has the appearance of an attractive, original and contemporary fixture and can harmoniously integrate into any urban setting.



The CIS type 4180 bin is designed to withstand the explosion of 500g of plastic explosive, equivalent to 2 hand grenades. The container combines a high strength outer steel with a patented inner compressive which absorb the major blast energy and resist fragments. Residual blast energy is vented upwards away from the public, keeping the receptacle unpenetrated. In addition the CIS type 4180 container is engineered to provide a highly effective means of litter control. An internal lid with lock provides a secure trash receptacle with easy service and minimum maintenance.

## CIS Type 4180 Bomb Resistant Bin



### IDEAL DEPLOYMENTS are:

- Malls and shopping centres – Airports – Amusement parks – Train stations – Museums
- Bus terminals – City streets – Government facilities

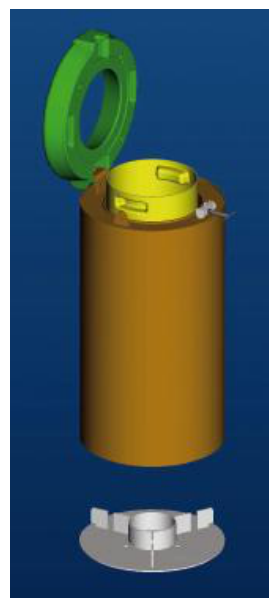
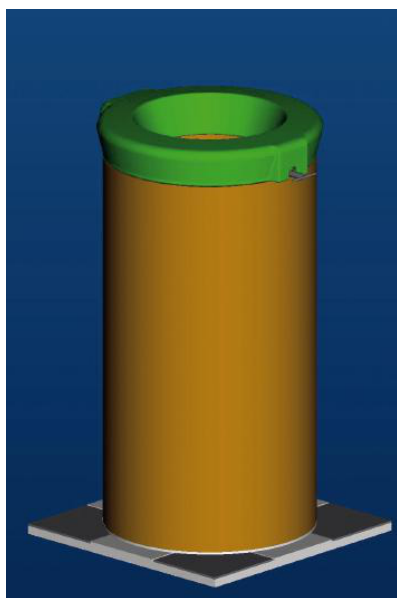
### KEY FEATURES are:

- Multi-layer technology
- Tested to withstand explosions with various explosive capacity + shrapnel's
- Initial blast containment with remaining blast expelled vertically
- Customizable exterior
- Laminates can be designed with logos
- Accepts standard plastic garbage bags
- Very easy End-Of-Life recycling
- Very low maintenance cost.

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## Components



The CIS Type 4180 bin consists of three main parts:

- the outside body with cover
- the inner basket
- the holder

The body and the holder are made of special steel, the basket and the cover are made of polyethylene. The cover is bolted by a lock operated by a triangular key. The metallic parts are painted, the polyethylene Elements are solid dyed. The hoisting kit allows to handle the assembly.

### Type 4180

Circular  
Steel + special liner  
External diameter: 571mm  
Internal diameter: 280mm  
Height: 1019mm  
Capacity:60 litres

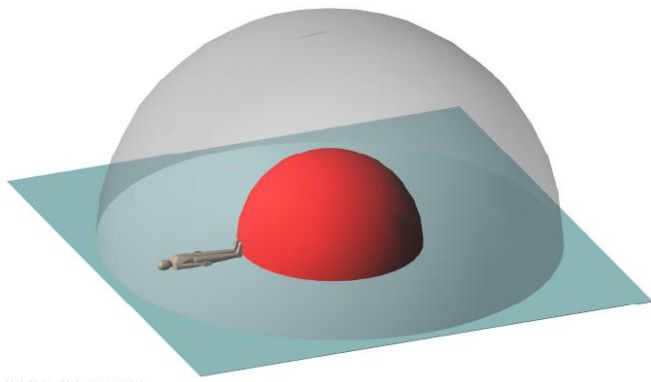
### Type 4181

Circular  
Steel + special liner  
External diameter: 6501mm  
Internal diameter: 380mm  
Height: 1022mm  
Capacity:80 litres

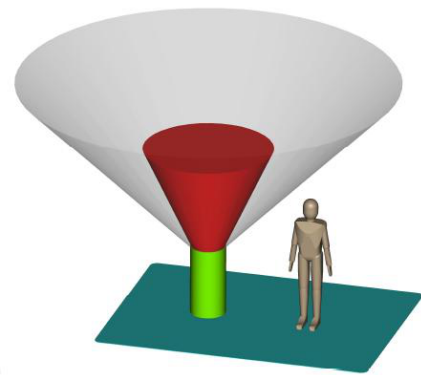
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## Blast Containment



Open Air Explosion



Explosion in CIS type 4180 Bin

Waste receptacles are a necessity for public waste management but can pose a serious threat to public safety, considering how easily they can conceal an explosive device planted by a terrorist. The problems solved with the CIS type 4180 explosion resistant litter bin are control of four hazards from an improvised explosive device (IED) when detonated in a litter bin:

- Primary fragments as parts of the device that tend to be small and travel at high velocity
- Secondary fragments as parts of the bin that tend to be larger and travel at a lower velocity
- Blast pressure
- Thermal effects

## Other Surface Finishes Available

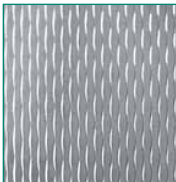
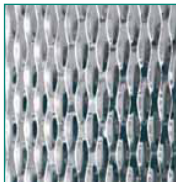
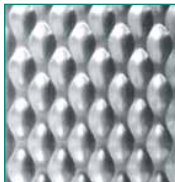
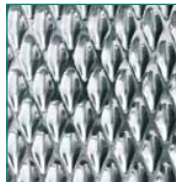
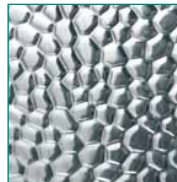
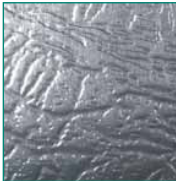
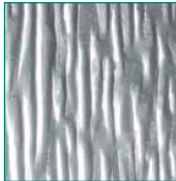

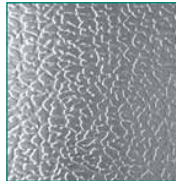


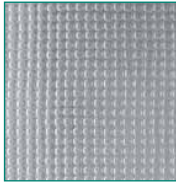
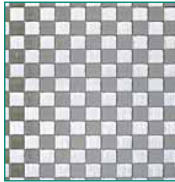

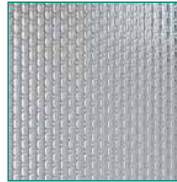


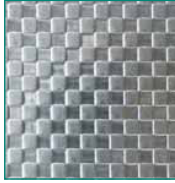

Various surface finishes are available including the following, RIMEX patterned surface finishes.

The Patterned Finishes are manufactured by cold rolling various metals in sheet and coil format. The patterned product is then levelled and processed for flatness.

**NOTE:**

Standard manufacturing parameters are stated throughout this product catalogue. Please enquire for non-standard requirements as these may be possible.

The pattern definition can fall outside normal definition and registration requirements for gauges thicker than 1.5mm. Pattern definition will change with thicker gauges and can differ to samples. Pattern definition can also vary with different batch materials and with separate orders.

 <p><b>2WL</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.4mmMIN - 1.0mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 1.2mmMAX</p>	 <p><b>5WL</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD) 1,500mm (upon request)</p> <p>Gauge (Stainless Steel): 0.3mmMIN - 2.0mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 2.5mmMAX</p>	 <p><b>6WL</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.1mmMIN - 3.0mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 3.0mmMAX</p>	 <p><b>7GM®</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD) 1,500mm (upon request)</p> <p>Gauge (Stainless Steel): 0.4mmMIN - 2.0mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 2.5mmMAX</p>	 <p><b>8HP</b></p> <p>Width: 1,000mm (STANDARD)</p> <p>Gauge (Steel): 0.4mmMIN - 1.0mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 1.2mmMAX</p>
 <p><b>9EH</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD) 1,500mm (upon request)</p> <p>Gauge (Stainless Steel): 0.4mmMIN - 2.0mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 2.0mmMAX</p>	 <p><b>10WG</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.4mmMIN - 1.5mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 2.0mmMAX</p>	 <p><b>11PS</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.4mmMIN - 1.5mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 1.5mmMAX</p>	 <p><b>12LG</b> (Stainless Steel only)</p> <p>Width: 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.8mm, 1.2mm, 1.5mm (STANDARD)</p> <p>Other GAUGES BY APPLICATION.</p>	 <p><b>13SD</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.4mmMIN - 1.0mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 1.0mmMAX</p>
 <p><b>Cambridge</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.4mmMIN - 0.5mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 2.0mmMAX</p>	 <p><b>Canvas</b> (Stainless Steel only)</p> <p>Width: 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.8mm, 1.2mm, 1.5mm (STANDARD)</p> <p>Other GAUGES BY APPLICATION.</p>	 <p><b>Checks</b> (Stainless Steel only)</p> <p>Width: 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.8mm, 1.2mm, 1.5mm (STANDARD)</p> <p>Other GAUGES BY APPLICATION.</p>	 <p><b>Iceflower</b> (Stainless Steel only)</p> <p>Width: 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.8mm, 1.2mm, 1.5mm (STANDARD)</p> <p>Other GAUGES BY APPLICATION.</p>	 <p><b>Linen</b> (Stainless Steel only)</p> <p>Width: 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.8mm, 1.2mm, 1.5mm (STANDARD)</p> <p>Other GAUGES BY APPLICATION.</p>
 <p><b>Quilted</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.4mmMIN - 0.5mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 1.2mmMAX</p>	 <p><b>Rhomboids</b> (Stainless Steel only)</p> <p>Width: 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.8mm, 1.2mm, 1.5mm (STANDARD)</p> <p>Other GAUGES BY APPLICATION.</p>	 <p><b>Squares</b> (Stainless Steel only)</p> <p>Width: 1,250mm (STANDARD)</p> <p>Gauge (Stainless Steel): 0.8mm, 1.2mm, 1.5mm (STANDARD)</p> <p>Other GAUGES BY APPLICATION.</p>	 <p><b>TreadTex®</b></p> <p>Width: 1,000mm and 1,250mm (STANDARD) 1,500mm (upon request)</p> <p>Gauge (Stainless Steel): 0.4mmMIN - 3.0mmMAX</p> <p>Gauge (Aluminium): 0.4mmMIN - 4.0mmMAX</p>	<p><b>FORMS OF SUPPLY</b></p> <p><b>METALS</b> Stainless steel: all grades including 304 / 1.4301 + 316 / 1.4401 + 430 / 1.4016 Aluminium: all grades including 1,000, 3,000 and 5,000 series. Brass, Bronze, Copper, Carbon steels, Galvanised steels, Mild steels and Titanium. OTHER METALS AVAILABLE UPON REQUEST.</p> <p><b>FINISHES</b> Stainless steel: 2B, bright annealed, bead blasted (see Colour Finishes) coloured stainless steel (see ColourTex® Finishes) and various polish options (see Other Polished Finishes). Aluminium: mill, satin, brushed and polished finishes.</p> <p><b>LENGTHS</b> Standard lengths are 2,000mm, 2,500mm and 3,000mm. NON-STANDARD LENGTHS ARE AVAILABLE UPON REQUEST.</p> <p><b>WIDTHS</b> Standard widths are 1,000mm and 1,250mm. INDIVIDUAL PATTERN PARAMETERS ARE AS STATED BELOW THE PRODUCT IMAGES/NAME/TITLES BUT WIDTH REQUIREMENTS ARE AVAILABLE UPON REQUEST. *PLEASE CHECK GAUGE AND WIDTH COMPATIBILITY BEFORE SPECIFYING OR ORDERING RIMEX PRODUCT.</p>



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