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Specifications Bigsaver fire compartments

Version 1.5 | 01-06-2025

[HILTRA® BIGSAVER® MODEL BS, BS-L, BS-XL GENERAL](#)

Design/fire resistance:

- The composite structure was assessed by the accredited testing institute Efectis®.
- Efectis brandwerendheidsrapport: 94-CVB-R1178/2009-Efectis-R0834(Rev.1)/2010-Efectis-R1117-S.
- Designed as an independent fire compartment for the storage of packaged hazardous materials based on the Building Code and guideline PGS 15: 2025 version 1.0 (final/Jan. 2025) .
- Fire resistance (WBDBO) 60 minutes determined in case of fire from outside and fire from inside on all criteria of Measure M25 of PGS 15: 2025 version 1.0 (final/ Jan. 2025)

Housing (walls, roof and door):

- Casing made of galvanized sheet piling.
- Interior made of non-combustible and insulating material up to a height of 1100 mm finished with galvanized plate.
- The roof is equipped on both long sides with an integrated rain gutter.
- Standard equipped with lifting device suitable for empty transport of the unit
- .
- Standard equipped with ground connection point.
- Single door conforming to EN 1634-1:2008 (EI160):
- Bigsaver® model BS is equipped as standard with a self-closing single-leaf door in the event of fire
- .
- Door wing equipped with latch, panic handle, cylinder lock and door closer including automatic Thermolock fire closing mechanism.
- Door rebates equipped with fire sealing strips so that they are automatically closed in case of fire.
- Door can be locked at an opening angle of approx. 90°, in the event of fire the Thermolock breaks the locking and the door will automatically close in the latch.
- Double door according to EN 1634-1:2008 (EI160):
- Bigsaver® models BS-L and BS-XL are equipped as standard with a self-closing double-leaf door.
- Right wing with latch, panic handle, cylinder lock, door closer including automatic Thermolock fire closing mechanism.
- Left hand wing on inside with espagnolette lock, door closer including automatic Thermolock

fire closing mechanism.

- Door rebates equipped with fire sealing strips so that they are automatically closed in case of fire.
- Door can be locked at an opening angle of approximately 90°, in case of fire the Thermolock breaks the lock and the door will automatically close in the latch.

Leak tray:

- Completely liquid-tight welded drip tray made of steel plate executed with galvanized grate floor segments.
- Preservation: SA2.5 blasting and preservation with a 100 µm Acraton zinc phosphate epoxy coating in color RAL 7005/mouse gray.

Vents:

- Ventilation and venting by diametrically placed ventilation openings inside and outside finished with galvanized vane grilles.
- Standardly equipped with flame retardant mesh and fire resistant louvers to automatically close in case of fire.

Hazard designation:

- Danger designation by pictograms according to PGS 15, Ø and/or ? 200 mm, symbol: "flammable (liquid) substances" and "fire, naked flame and smoking prohibited" (other pictograms available on request).

Constructive options:

- Option A1: exterior, with the exception of the top of the roof, finished with a 2K polyurethane coating in a standard color: RAL 3020/ traffic red, RAL 5010/ gentian blue, RAL 6002/ hard green, RAL 7035/ light gray or RAL 9001/ cream white.
- Option A2: exterior, except top of roof, finished with a 2K polyurethane coating in non-standard RAL color (except traffic, luminous and metallic colors)
- Option C: increase contents of drip tray.
- Option D1A: Instead of a single door 1300 mm a double wing door 1800 mm.
- Option D2B: Instead of a single door 1300 mm a double wing door 2700 mm.
- Option F: flange ØxH=80x40 mm in roof or side wall mounted in the roof or side wall for connecting a ventilation duct to the outside.
- Option G: drip tray on the inside additionally provided with a reinforced, fiberglass-reinforced polyester coating as protection of the drip tray(s) against the action of chemicals. Resistance list on request.
- Option RC: drip tray equipped with a galvanized grid floor R2.40/30x30 mm with a load capacity of 2300 kg/m² at evenly distributed load and a point load of 425 kg measured on a surface of 200x200 mm.
- Option S: inside of the walls, roof and door completely finished with galvanized plate.
- Option W: fire-resistant partition wall for compartmentalizing incompatible combinations of hazardous materials.

A only available for the Bigsaver® model BS1, BS2, BS3, BS4, BS5 and BS6.

B only available for the Bigsaver® model BS3, BS4, BS5 and BS6 in the long side.

C only available for the Bigsaver® model BS and BS-L fire compartments.

Fundament:

- Hilti Bigsaver fire compartments must be placed on a poured concrete foundation. The foundation is to be carried out according to standard NEN2747 with flatness class 2, however limited to a maximum deviation of 5 mm over the entire length and/or width of the facility itself. It is recommended that the foundation be at least 250 mm larger than the external dimensions of the facility itself. Claims attributable to an incorrect foundation are not covered by the warranty.

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PRODUCT DATA SHEET Hiltra®: Bigsaver F60 model BS 1-14



Size Bigsaver F60 model BS 1-14

Article number	200150200
Fire resistance	F60 in accordance with NEN6069 (Efectis report.)
External dimensions LxWxH	approx. 1420 x 1030 x 2250 mm
Internal dimensions LxWxH	approx. 1165 x 695 x 1720 mm
Daylight size single door W=1300 mm	approx. 1150 x 1890 mm (WxH)
Step height	approx. 315 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 230 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized grid
Collection tray content	approx. 220 liters
Weight	approx. 420 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 1-25



Size Bigsaver F60 model BS 1-25

Article number	200150250
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 1420 x 1440 x 2250 mm
Internal dimensions LxWxH	approx. 1165 x 1105 x 1850 mm
Daylight size single door W=1300 mm	approx. 1150 x 1890 mm (WxH)
Step height	approx. 210 mm
Load-bearing capacity grid floor	approx. 820 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 165 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized grid
Collection tray content	approx. 220 liters
Weight	approx. 530 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 1



Size Bigsaver F60 model BS 1

Article number	210110200
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 2090 x 1140 x 2250 mm
Internal dimensions LxWxH	approx. 1830 x 800 x 1855 mm
Daylight size single door W=1300 mm	approx. 1170 x 1890 mm (WxH)
Step height	approx. 185 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 230 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized grid floor
Collection tray content	approx. 220 liters
Weight	approx. 610 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 2



Size Bigsaver F60 model BS 2

Article number	210220200
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 2090 x 2170 x 2250 mm
Internal dimensions LxWxH	approx. 1810 x 1810 x 1925 mm
Daylight size single door W=1300 mm	approx. 1170 x 1890 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² at evenly distributed load
Point load grid floor 20x20 cm	approx. 230 kg at evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 250 liters
Weight	approx. 1020 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 2-L



Size Bigsaver F60 model BS 2-L

Article number	200220210
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 2090 x 2170 x 2610 mm
Internal dimensions LxWxH	approx. 1810 x 1810 x 2290 mm
Daylight size double door W=1800 mm	approx. 1620 x 2260 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² at evenly distributed load
Point load grid floor 20x20 cm	approx. 230 kg at evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 250 liters
Weight	approximately 1170 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 2-XL



Size Bigsaver F60 model BS 2-XL

Article number	200220315
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 2460 x 2170 x 2610 mm
Internal dimensions LxWxH	approx. 2180 x 1810 x 2285 mm
Daylight size double door W=1800 mm	approx. 1620 x 2260 mm (WxH)
Step height	approx. 120 mm
Load-bearing capacity grid floor	approx. 1475 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 300 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 295 liters
Weight	approx. 1360 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 3



Size Bigsaver F60 model BS 3

Article number	300220200
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 3010 x 2170 x 2250 mm
Internal dimensions LxWxH	approx. 2730 x 1810 x 1925 mm
Daylight size single door B=1300 mm, optionally in long or short side	approx. 1170 x 1890 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 230 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 380 liters
Weight	approximately 1390 kg

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PRODUCT DATA SHEET Hiltra®: Bigsaver F60 model BS 3-L



Size Bigsaver F60 model BS 3-L

Article number	300220210
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 3010 x 2170 x 2610 mm
Internal dimensions LxWxH	approx. 2730 x 1810 x 2290 mm
Daylight double door B=1800 mm, optionally in long or short side	approx. 1620 x 2260 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 230 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 380 liters
Weight	approx. 1540 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 3-XL



Size Bigsaver F60 model BS 3-XL

Article number	300220315
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 3010 x 2540 x 2610 mm
Internal dimensions LxWxH	approx. 2730 x 2180 x 2285 mm
Daylight double door B=1800 mm, optionally in long or short side	approx. 1620 x 2260 mm (WxH)
Step height	approx. 120 mm
Load-bearing capacity grid floor	approx. 1475 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 300 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 455 liters
Weight	approx. 1760 kg

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PRODUCT DATA SHEET Hiltra®: Bigsaver F60 model BS 4



Size Bigsaver F60 model BS 4

Article number	400220200
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 4050 x 2170 x 2250 mm
Internal dimensions LxWxH	approx. 3770 x 1810 x 1925 mm
Daylight size single door B=1300 mm, optionally in long or short side	approx. 1170 x 1890 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 230 kg/m ² with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 525 liters
Weight	approx. 1800 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 4-L



Size Bigsaver F60 model BS 4-L

Article number	400220210
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 4050 x 2170 x 2610 mm
Internal dimensions LxWxH	approx. 3770 x 1810 x 2290 mm
Daylight double door B=1800, optionally in long or short side	approx. 1620 x 2260 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 230 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 525 liters
Weight	approx. 1950 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 4-XL



Size Bigsaver F60 model BS 4-XL

Article number	400220315
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 4050 x 2540 x 2610 mm
Internal dimensions LxWxH	approx. 3770 x 2180 x 2285 mm
Daylight double door B=1800 mm, optionally in long or short side	approx. 1620 x 2260 mm (WxH)
Load-bearing capacity grid floor	approx. 1475 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 300 kg with evenly distributed load
Step height	approx. 120 mm
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 630 liters
Weight	approx. 2210 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 5



Size Bigsaver F60 model BS 5

Article number	500220200
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 5090 x 2170 x 2250 mm
Internal dimensions LxWxH	approx. 4810 x 1810 x 1925 mm
Daylight size single door B=1300 mm, optionally in long or short side	approx. 1170 x 1890 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 230 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 665 liters
Weight	approx. 2210 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 5-L



Size Bigsaver F60 model BS 5-L

Article number	500220210
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 5090 x 2170 x 2610 mm
Internal dimensions LxWxH	approx. 4810 x 1810 x 2290 mm
Daylight double door B=1800 mm, optionally in long or short side	approx. 1620 x 2260 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 230 kg with evenly distributed load
Collection tray	Blasted steel painted with galvanized gratings
Collection tray content	approx. 665 liters
Weight	approx. 2360 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 5-XL



Size Bigsaver F60 model BS 5-XL

Article number	500220315
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 5090 x 2540 x 2610 mm
Internal dimensions LxWxH	approx. 4810 x 2180 x 2285 mm
Daylight double door B=1800 mm, optionally in long or short side	approx. 1620 x 2260 mm (WxH)
Step height	approx. 120 mm
Load-bearing capacity grid floor	approx. 1475 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 300 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 800 liters
Weight	approx. 2670 kg

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PRODUCT DATA SHEET Hiltra®: Bigsaver F60 model BS 6



Size Bigsaver F60 model BS 6

Article number	600220200
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 6010 x 2170 x 2250 mm
Internal dimensions LxWxH	approx. 5730 x 1810 x 1925 mm
Daylight size single door B=1300 mm, optionally in long or short side	approx. 1170 x 1890 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 230 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 800 liters
Weight	approx. 2580 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 6-L



Size Bigsaver F60 model BS 6-L

Article number	600220210
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 6010 x 2170 x 2610 mm
Internal dimensions LxWxH	approx. 5730 x 1810 x 2290 mm
Daylight double door B=1800 mm, optionally in long or short side	approx. 1620 x 2260 mm (WxH)
Step height	approx. 115 mm
Load-bearing capacity grid floor	approx. 1300 kg/m ² at evenly distributed load
Point load grid floor 20x20 cm	approx. 230 kg at evenly distributed load
Collection tray	Blasted beam, painted with galvanized gratings
Collection tray content	approx. 800 liters
Weight	approx. 2730 kg

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PRODUCT DATA SHEET Hiltru®: Bigsaver F60 model BS 6-XL



Size Bigsaver F60 model BS 6-XL

Article number	600220315
Fire resistance	F60 in accordance with NEN6069 (Efectis report)
External dimensions LxWxH	approx. 6010 x 2540 x 2610 mm
Internal dimensions LxWxH	approx. 5730 x 2180 x 2285 mm
Daylight double door B=1800 mm, optionally in long or short side	approx. 1620 x 2260 mm (WxH)
Step height	approx. 120 mm
Load-bearing capacity grid floor	approx. 1475 kg/m ² with uniformly distributed load
Point load grid floor 20x20 cm	approx. 300 kg with evenly distributed load
Collection tray	Blasted steel, painted with galvanized gratings
Collection tray content	approx. 965 liters
Weight	approx. 3110 kg