



Safety cushions

The last resort in great challenges.

Safety cushions SP 16 / SP 25

Fast rescue from heights up to 25 metres (80 ft.).

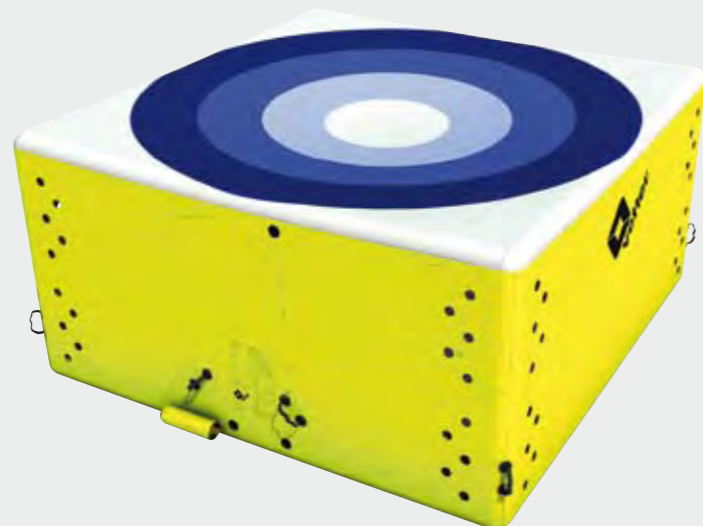
- › Rescue from up to 8 floors
- › Easy to carry, even when set up
- › Fast setup
- › Psychologically optimised

Vetter safety cushions* provide fast help when space is restricted at the rescue site or when facades are inaccessible to aerial ladder trucks. That way, you are ideally equipped even for difficult operational situations. Quickly set up and easily transported, the Vetter SP 16 and SP 25 safety cushions make it easier to gain access to the rear sides or courtyards of buildings. Our safety cushions also offer a safe solution for the rescue of trapped rescue personnel.

Neon-yellow side walls improve the visibility of our safety cushions at night or in bad weather. The landing areas are psychologically optimised: the blue circle – developed with experienced psychologist Prof. Horst Schuh – has been shown to reduce the crippling fear experienced by the jumper.

Our safety cushions have been tested by an independent institution in accordance with or based on the DIN 14151 T 1 and T 3. This standard requires elaborate testing including many drop tests with different falling weights and drop positions. To measure impact deceleration, a kind of crash test with dummies is especially important. After all, it is most essential to prevent jumping persons from hitting too hard, breaking through to the ground, or even bouncing back from out of the cushion.

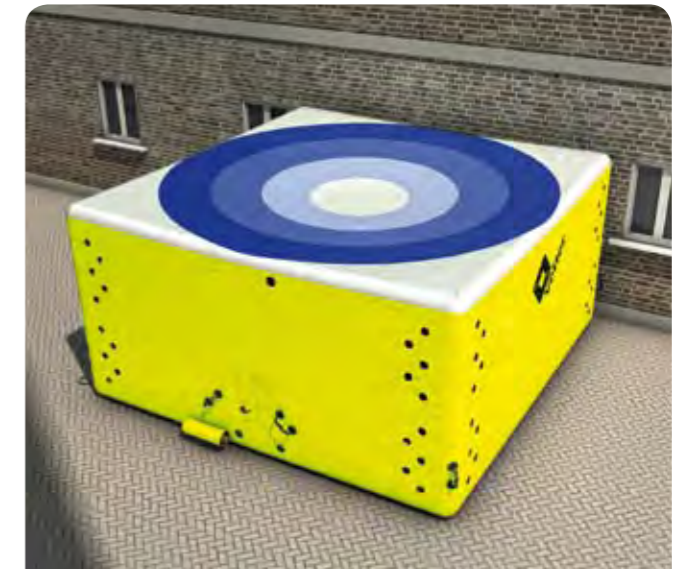
In short: Only with a certified safety cushion, you protect a jumping person and your rescue team optimally from avoidable injuries.



Available in 2 sizes: SP 25 for jump heights up to 25 m / 80 ft. (8 floors) and SP 16 for jump heights up to 16 m / 51.2 ft. (5 floors).



Easily positioned by 2 persons.



Psychologically optimised surface reduces fear.



The SP 16 can be set up in 30 seconds.

We will be happy to provide you with the test certificates according to DIN 14151 T3: +49 (0)2252 / 3008-60 or vetter.info@idexcorp.com.



In operation ...

- › Fires in buildings with up to 8 floors / 25 m (80 ft.) (SP 25)
- › Safeguarding for high-angle rescue
- › Areas inaccessible to aerial ladder trucks



Good reasons:

- › Only 2 or 4 persons needed for setup
- › Outer cover of flame-resistant, tear-proof material
- › SP 16 approved according to DIN 14151 T1 and T3
- › SP 25 tested based on DIN 14151 T1 and T3



Guaranteed quality:

- › Individually tested with falling weights
- › Dated inspection seal
- › Integrated safety valve
- › 2-year guarantee



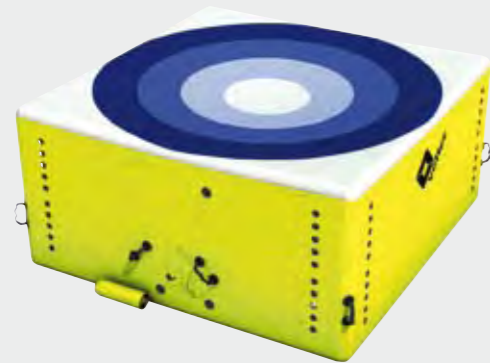
Safety cushion sets SP 16 / 25

Technical data

Blue circle with neon-yellow side walls

Safety cushion set SP 16 (16 metres / 51.2 ft.) 1530018100

Safety cushion set SP 25 (25 metres / 80 ft.) 1530018600



The psychologically optimised landing area with the blue circle design was developed in cooperation with experienced psychologists. The neon-yellow side walls enhance the visibility of the safety cushion at night and in bad weather.

Black cross with white side walls

Safety cushion set SP 16 (16 metres / 51.2 ft.) 1530005001

Safety cushion set SP 25 (25 metres/80 ft.) 1530005900



Basic design with black cross landing area and white side walls.

All safety cushion sets include repair material for base and side walls and are delivered in a sturdy packing cover.

Our safety cushions are the result of meticulous handwork, so we can also produce our safety cushions with other visual designs according to your wishes. Just ask us. We'll be pleased to advise you.

| Safety cushions | Ext. dimensions (L x W x H) cm / inch | Air requirement, at 0.3 bar (4.35 psi) / 0.5 bar (7.25 psi) litres / cu. ft. | Inflating time, approx. sec. | Recovery time sec. | Folded size (L x W x H) cm / inch | Weight incl. compressed air cylinder kg / lbs |
|-----------------|---------------------------------------|--|------------------------------|--------------------|-----------------------------------|---|
| SP 16 | 350 x 350 x 170 138 x 138 x 67 | 1,235 44 | 30 | 10 | 90 x 55 x 50 35 x 22 x 20 | 55 121 |
| SP 25 | 460 x 460 x 240 181 x 181 x 94 | 2,354 83 | 60 | 20 | 110 x 63 x 45 43 x 25 x 18 | 80.5 177.5 |

Safety cushion SP 16:
Working pressure: 0.3 bar (4.35 psi)
Test pressure: 0.45 bar (6.5 psi)

Safety cushion SP 25:
Working pressure: 0.5 bar (7.25 psi)
Test pressure: 0.65 bar (9.4 psi)

All safety cushions can be used in a temperature range from - 20 to + 50 °C (- 4 to + 122 °F).

Accessories – Safety cushions

Inflation hose, for direct connection to compressed air cylinder

 1530004201
1530008100 (USA)
1530006500 (FR)

Test gauge, for checking the safety cushion

 1530002101

Vacuum adapter for safety cushions and rescue paths

Attach quick action coupling to air source, the pressure should be between 4 and 6 bar (58 and 87 psi).

 1600016300

Valve protection

Prevent accidental opening of gas cylinder valves caused by vibration or transport. Vetter has developed and applied for a patent a highly effective valve protection for compressed air cylinders 6 l / 300 bar (0.21 cu. ft. / 4,350 psi) with neck diameter 27 – 30 mm (1.1 – 1.2 inch) (other sizes on request).

 1600027700

Compressed air cylinder

 6 l / 300 bar, (0.21 cu. ft. / 4,350 psi) steel, 5/8" IT, 1,800 l (63.5 cu. ft.)
1600010800

9 l / 300 bar, (0.32 cu. ft. / 4,350 psi) composite, 5/8" IT, 2,700 l (95.3 cu. ft.)
1600019900

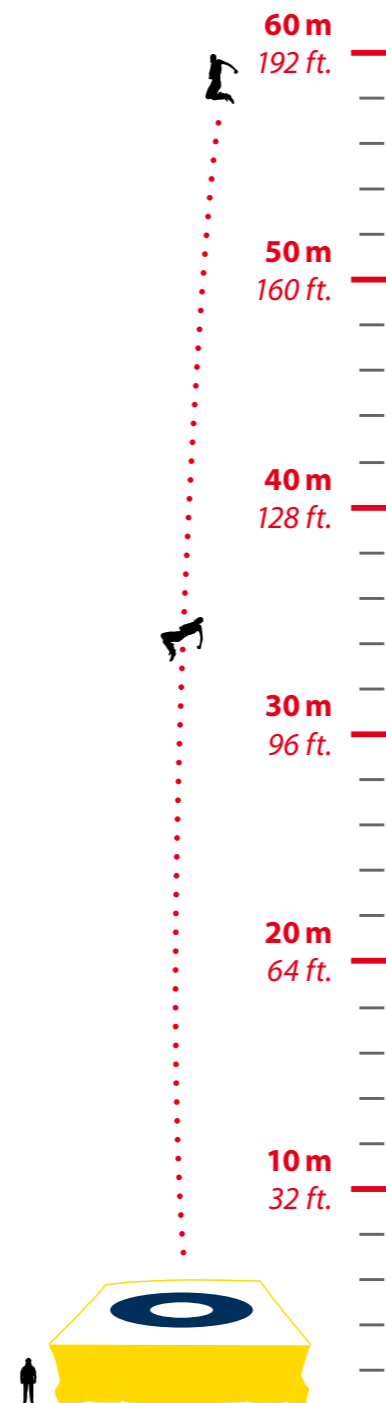
Safety cushion SP 60

The only lifesaver for jump heights up to 60 metres (192 ft.).

- › Large landing area
- › Psychologically optimised
- › Setup in 80 seconds
- › Rescue from up to 20 floors

Win against fires in buildings up to 20 floors high! Narrow city streets or inaccessible courtyards are no longer a problem with the SP 60. Rescue trapped persons quickly and easily, even at scenes your team can't reach with aerial ladder trucks .

Benefit from a number of features that make your job more efficient – and rescues safer: Two high-performance permanent blowers inflate the SP 60 within only 80 seconds. The clever two-chamber design and the innovative pressure compensation system ensure optimum impact deceleration. Practical: the quick action connection for blower attachment saves you valuable seconds. The design does without exposed seams on the underside of the safety cushion, preventing friction damage and avoiding unnecessary repairs.



Blower for permanent inflation*

| Ramfan EV 420 | | Leader ESP 230 | |
|---|---|---|---|
|  | |  | |
| 1530014800 | | 1530019100 | |
| Capacity | 16,498 m ³ / h 9,705 cfm | Capacity | 33,900 m ³ / h 19,956 cfm |
| Noise level | 97 dB | Noise level | 84 dB |
| Dimensions (L x W x H) | 580 x 430 x 410 mm 22.6 x 16.8 x 16 inch | Dimensions (L x W x H) | 580 x 548 x 492 mm 22.6 x 21.4 x 19.2 inch |
| Weight, approx. | 31 kg 68 lbs | Weight, approx. | 43 kg 95 lbs |
| Motor | 1.1 kW, 240 V, 50 / 60 Hz | Motor | 2.2 kW, 230 V, 50 Hz |

Technical data

| Safety cushion SP 60 | Ext. dimensions (L x W x H) cm / inch | Inflating time, approx. sec. | Folded size (L x W x H) cm / inch | Weight, approx. kg / lbs |
|----------------------|---|------------------------------|------------------------------------|--------------------------|
| SP 60 | 850 x 650 x 250 331.5 x 253.5 x 97.5 | 80 | 155 x 100 x 55 60.5 x 39 x 21.5 | 240 529 |

The safety cushion SP 60 includes as standard components:

- › Safety cushion SP 60
- › 2 permanent blowers
- › Packing cover
- › Repair and spare parts set

The following SP 60 sets are available:

| | |
|---|------------|
| with Ramfan EV 420, electric blower | 1530016000 |
| with Leader ESP 230, electric blower | 1530019400 |
| with Leader MH 236, water-driven blower | 1530019500 |
| with Leader MT 236 H, high-performance blower (petrol-driven) | 1530019600 |

The psychologically optimised blue circle surface design has been shown to reduce the jumper's fear of heights.

In operation ...

- › Fires in buildings with up to 20 floors
- › Areas inaccessible to aerial ladder trucks such as courtyards and narrow inner-city streets
- › Safeguarding for high-angle rescue

Good reasons:

- › Tested based on DIN 14151 T 1 and T 3 (worldwide unique 60 metres safety cushion)
- › Only 4 persons needed for setup and breakdown
- › After a jump, the SP 60 recovers automatically in around 20 seconds
- › Permanent blowers included

Guaranteed quality:

- › Individually tested with falling weights
- › Dated inspection seal
- › 2-year guarantee