

Safety cushions

The last resort in great challenges.

Safety cushions SP 16 / SP 25

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

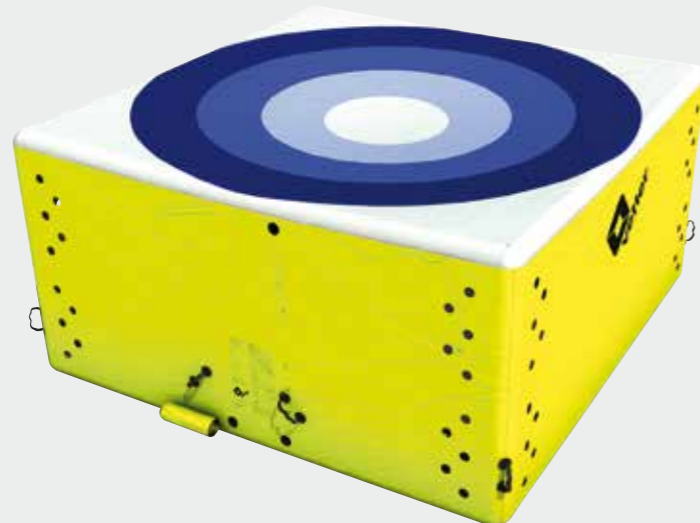
- › Rescue from up to 8 floors
- › Easy to carry, even when set up
- › Fast setup
- › Psychologically optimised

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. Since 2014 the SP 16 is the only standardized safety cushion in Germany. So protect yourselves and all affected people in case of rescue from extremely heights and trust our jump cushions.

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.

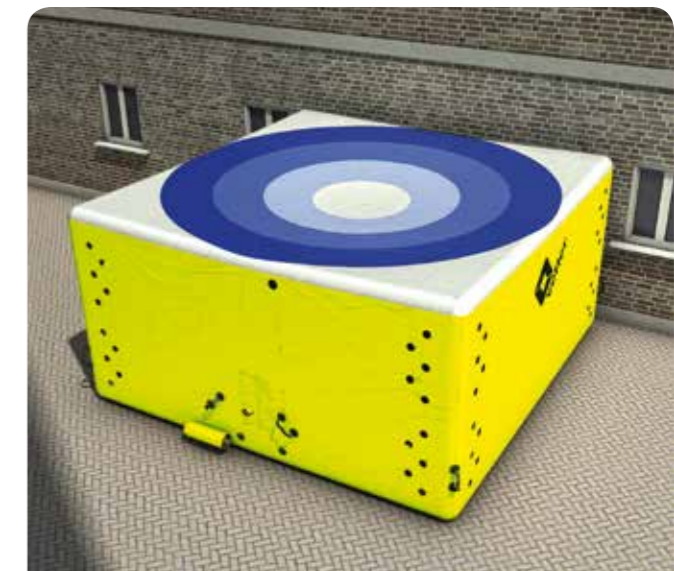
In short: Only with a certified safety cushion, you protect a jumping person and your rescue team optimally from avoidable injuries.



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 / 3008-0 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 independently tested



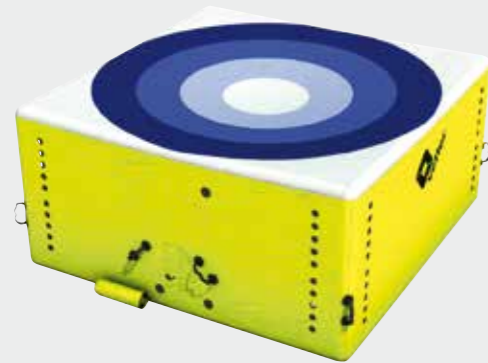
Safety cushion sets SP 16 / 25

Technical data*

Blue circle

Safety cushion set SP 16 (rescue high up to 16 metres / 51.2 ft.) **1530018100**

Safety cushion set SP 25 (rescue high up to 25 metres / 80 ft.) **1530018600**

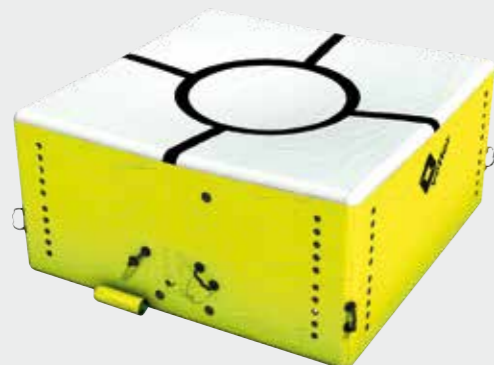


The psychologically optimised landing area with the blue circle design was developed in cooperation with experienced psychologists. The neon-yellow side walls enhance the visibility of the safety cushion at night and in bad weather.

Black cross

Safety cushion set SP 16 (rescue high up to 16 metres / 51.2 ft.) **1530015500**

Safety cushion set SP 25 (rescue high up to 25 metres / 80 ft.) **1530018800**



Basic design with black cross landing area and white side walls. The neon-yellow side walls enhance the visibility of the safety cushion at night and in bad weather.

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

Safety cushions SP 16 / SP 25	Ext. dimensions (LxWxH) 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 (LxWxH) cm / inch	Weight incl. compressed air cylinder kg / lbs
SP 16	350x350x170 138x138x67	1,235 44	30	10	90x55x50 35x22x20	55 121
SP 25	460x460x240 181x181x94	2,354 83	60	20	110x63x45 43x25x18	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



on request

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 patented 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

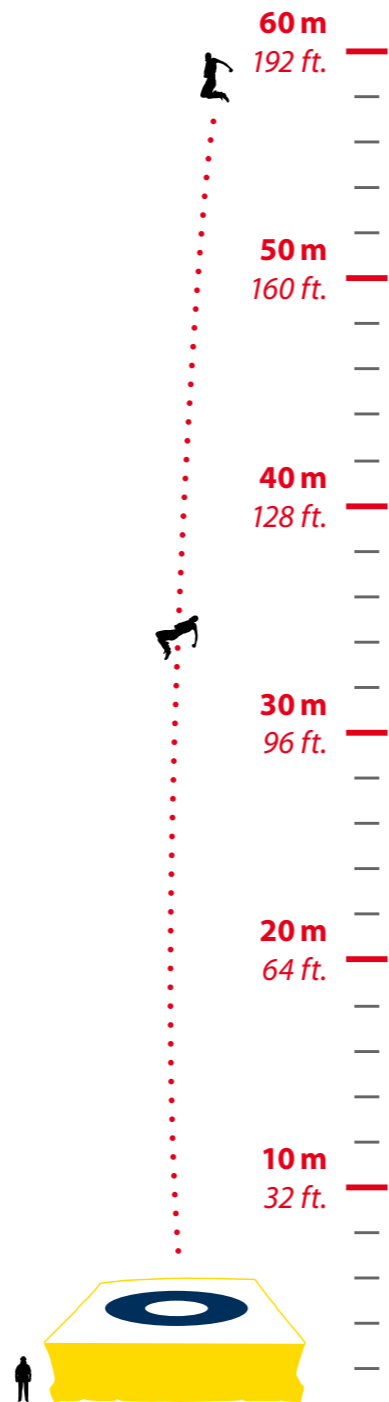
Safety cushion SP 60

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	
	1530020700		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 (LxWxH)	580x430x410 mm 22.6x16.8x16 inch	Dimensions (LxWxH)	500 x 548 x 492 mm 19.7 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 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

* Petrol-driven blowers are also available on request. Also 115 V, 60 Hz available on request.

** Technical changes reserved.