

Jumping Cushion SKL-16

The SKL-16 Jumping Cushion is designed for the emergency evacuation of individuals from hazardous environments, particularly from upper floors of burning buildings. It provides a reliable and controlled rescue solution in critical situations where rapid response is essential.

Constructed with a pneumatic frame made of airtight fabric, the cushion inflates within approximately 15 seconds to form a stable rectangular structure with a square base. The jumping surface is manufactured from flame-retardant aramid fabric, double-coated with chlorosulfonated polyethylene (CSM), ensuring high resistance to heat, mechanical stress, and operational wear. Its integrated air management system allows controlled airflow during impact, enabling effective energy absorption and immediate readiness for subsequent rescues.



KEY FEATURES

- Flame-retardant aramid fabric with double CSM coating for enhanced durability and heat resistance
- Advanced air intake and exhaust system for controlled shock absorption
- Rapid deployment within approximately 15 seconds using compressed air
- Operable by a two-person crew for efficient field handling
- Fast recovery time – ready for the next jump within approximately 5 seconds
- Automatic inflation via compressed air cylinder activation
- Self-restoring structure after each impact without additional air refilling
- Wide operational temperature range from -30°C to +55°C

PRIMARY APPLICATIONS

Emergency evacuation from height • Fireground rescue operations • Urban rescue scenarios
High-rise building incidents

PRODUCT-MARKET INSIGHT

The SKL-16 positions itself as a dependable and rapid-deployment rescue solution for fire and emergency services operating in urban environments. Its combination of fast inflation, durable materials, and high operational repeatability makes it particularly suitable for teams requiring immediate readiness and consistent performance under pressure.

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TECHNICAL DATA

Specification	Value
Maximum evacuation height	16 m
Length	3.4 m (±5%)
Width	3.4 m (±5%)
Height	1.6 m (±5%)
Surface area	11.5 m ² (±5%)
Operational crew	2 personnel
Inflation system	Compressed air cylinder
Cylinder options	6 dm ³ / 30 MPa • 10 dm ³ / 20 MPa
Packed dimensions	1.1 × Ø 0.6 m (±5%)
Packed weight	62.5 kg
Service life	15 years
Certified	Yes