

LIFTING CUSHIONS



Lifting Cushions

As **lifting cushions** one designates two (vulcanized) rubber mats connected at the edges, which one can blow on with compressed air and use her in such a way for lifting loads. For the heavy duty - employment gives it with kevlar or era-avoided strengthened lifting cushions. Compressed air cushions represent another version: They consist of with rubber filled elastomer in hose form, which is locked at both sides by means of a special method with metallic clamping plates. They apply their in the industriellen range, where high forces are demanded with small strokes. Their advantages are the even surface loading and the flat installation dimensions.

Operational areas

Lifting cushions are versatile applicable. Since they can raise enormous masses with large forces, they are used particularly frequently by relief organizations.

Fire-brigade and technical welfare organization (THW) use it among other things to release of humans, after building collapses or after car accidents.

In addition, they are used into many other industries: Shipbuilding, aircraft construction, special truck, mining industry, military technology, track construction, pipelines, transport, foundation engineering, quarry, archaeology, harbor facilities, mechanical engineering, conveying engineering, assembly, repair etc.

Applications

- raising of heavy loads
- spreading
- pressures
- aligning heavy construction units
- safe deposit shifts
- stabilization
- shock-mount against vibrations

Source: http://solidswiki.com/index.php?title=Lifting_Cushions