

SAFETY DEVICE FOR LIFTS

Summary

The present invention relates to a safety device for lifts with at least one lift guide rail, securely installed in the lift shaft and a brake part, comprising at least one friction element with at least one friction surface that can be pressed against the guide rail to decelerate the lift, with the friction material of the friction element comprising a fibre-reinforced, ceramic composite material, containing silicon carbide and carbon fibres as reinforcing component, with the safety device being characterised by the composite material containing a matrix of silicon carbide and carbon and the reinforcing component being formed exclusively from carbon fibres with a minimum length of 10 mm and the volume content of carbon fibres in the friction element lying between 30% and 70%.

Figure 1