



GRANIT
QUALITY PARTS

LIFTING STRAPS

PRODUCT BENCHMARK

CUSTOMER INFORMATION

LIFTING STRAPS, LIFTING CAPACITY 3 TONNES, 3 METRES

The GRANIT lifting strap with part number 50030032HB was compared with a comparable product from an original manufacturer, plus a product from another brand.

COMPARISON OF FEATURES

» Testing lifting straps with a lifting capacity of 3 t according to DIN EN 1492-1:2009-05 (Textile slings - Safety - Flat woven lifting straps made of man-made fibres for general use)

TEST RESULTS

TEST ACCORDING TO DIN EN 1492-1:2009-05

These tests provide information about the load capacity of the lifting straps. The lifting strap is clamped straight and without twists between test bolts or pins in the testing machine. The sample is subjected to a force equal to at least 7 times the lifting capacity of the strap.

- The minimum requirement, according to DIN EN 1492-1:2009-05, is that the lifting straps must demonstrate a lifting capacity of 7 times the load, indicated on the straps as nominal lifting capacity. For a strap with a permissible lifting capacity of 3 t, this results in a breaking load of 21 t which must be observed during the standard test.
- With a value of 22.6 t, the breaking load determined for the GRANIT lifting straps was the highest in the test. The load capacity of the tested GRANIT lifting straps is thus the best in this comparison.
- The lifting strap from the other brand has a breaking load of 21.5 t which complies with the standard, but is 5% below the breaking load of the GRANIT product.
- The lifting strap from the original manufacturer did not pass the standard test, and with a breaking load of 19 t is two tonnes below the breaking load of 21 tonnes required by the standard.

TEST REPORT NO. 2020-01/1243



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This product comparison was carried out on behalf of GRANIT PARTS by the Steinbeis Transfer Center laboratory.

CONCLUSION

- GRANIT lifting straps are completely safe and have the best strength values. They even exceed the requirements defined for lifting straps in the standard.
- With an excellent price-performance ratio, they are a very good choice even for the highest demands.
- By clearly communicating the GRANIT quality requirements to suppliers, and testing products in collaboration with accredited test laboratories, GRANIT sets quality standards that pay off for the customer.