

Test Certificate

Proof of Breaking Load of Heavy-Lifting Bags by Tensile Test

General data

Manufacturer	Planen Service Angeln Meiereistr. 17 24991 Mühlenbrück / Großsolt
Test location:	Flensburg
Test date	18.09.2014 / 30.06.2016

Data test specimen:

Test specimen:	Heavy Lifting Bag / Transport Bag
Type:	60, 90, 120
Serial Nos.:	Type serial nos. continuously Type 60: T400001; Type 90: T400002; Type 120: T400003/A
Structure:	cylindrical bag made of PVC fabric canvas, with reinforced bottom, four carrying straps made of PVC web belt welded with the bag at both ends, each carrying strap with chain link Type B
Dimensions:	Ø 600 mm, Ø 900 mm, Ø 1200 mm Height of test specimen 900 mm (other heights possible)
Number of test specimen:	one Transport Bag per diameter

Scope of testing

Test rig	Tensile test with overhead crane, max. lifting weight 5.900 kg, Load cell manufacturer HBM, Type RSCE6TC320431, Ser. No. 274096A
Required breaking load:	min. 40,0 kN
Target:	Determining of breaking load

Test arrangement

Due to a better load distribution the bottom of the bag was provided with a strong piece of laminated wood, which has been fixed by four bolts with the concrete floor. The bags were pulled at the chain links by the overhead crane. A load cell was mounted between the load bearing hook and the carrying straps for determination of the lifting force.

Result

The breaking load couldn't be determined because the maximum lifting capacity of the overhead crane of 5900 kg was not sufficient. After the tensile test no cracks or other damages at the bags could be recognised.




Hamburg, 06.10.2014 / 04.07.2016

Place / Date

Stamp

Sign

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