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	25.01.2017 / 09.05.2017

Daten Prüfobjekte:

Test specimen:	Heavy Lifting Bag / Transport Bag
Type:	TR 6 (rectangular form)
Serial Nos.:	Type serial nos. continuously
Structure:	rectangular bag made of PVC fabric canvas, with PVC web belt reinforced bottom, two carrying straps made of PVC web belt welded with the bag at both ends, bag reinforced at upper rim at carrying straps with two rows of PVC web belt and a steel plate (made of stainless steel)
Dimensions test test object:	length 900 mm, width 700 mm (other dimensions possible) Height of test specimen 700 mm (other heights possible)
Number of test object:	one

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 steel plate (material S235), which has been fixed by four bolts with the concrete floor. The bags were pulled at the carrying straps 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. Only the upper rim in the area of the carrying straps was slightly stretched.

Hamburg, 09.05.2017
Place / Date

Stamp **Sign**

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