



Product Service

Mehr Sicherheit.
Mehr Wert.

**Technical Report No. 028-71370883-400
of 25.06.2010**

Client: Lukas Hydraulik GmbH
Weinstraße 39
D-91058 Erlangen

Herr Bertleff

Manufacturing location: Lukas Hydraulik GmbH
Weinstraße 39
D-91058 Erlangen

Object of evaluation: Spreader
SP 300; SP 300 E

Test specification: NFPA 1936:2010
Standard on Powered Rescue Tool Systems

Purpose of the evaluation: Testing in accordance with the test specification

Test result: The presented tools meet the demands of the mentioned test specification

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1 Description of the test subject

1.1 Function

A powered rescue tool that has at least one movable arm that opens to move material.

1.2 Technical Data

See Attachment 1 - 2

2 Order

2.1 Date of the order , sign of the client

11.05.2010

2.2 Test sample receipt , location

On-site testing

2.3 Date of the testing

23.06.2010 - 25.06.2010

2.4 Location of the testing

Lukas Hydraulik GmbH
Weinstraße 39
D-91058 Erlangen

2.5 Variation or exemption of the test procedure

none

3 Test results

The presented tools meet the demands of the NFPA 1936:2010

4 Remark

The operating instruction has been checked according to the minimum standards described in the product standard. The producer is responsible for the correctness of all other content as well as the design and the layout.

4.1 Remark for manufacturing


The setup of the tool must correspond with the documentation. Before getting effect on the manufacturing process safety-relevant changes of the product have to be checked for evaluation, for the admission in the documentation and if necessary for actualization of the certificate.

5 Summary

The presented tools meet the demands of the NFPA 1936:2010

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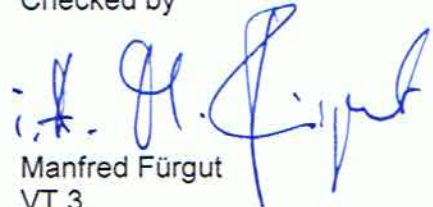
Test Engineer



i.A. Gerhard David
VT 3



Checked by



Manfred Fürgut
VT 3



Attachment 1 Technical data
Order number 028-71370883-400

Parameter

| | |
|-----------------------------------|----------------------------|
| Type: | SP 300 |
| Art. No.: | 171 051 000 111 051 000 |
| Technical data | |
| Spreading distance: | 605 mm |
| Pulling distance: | 495 mm |
| Spreading force | |
| 1 – highest spreading force (HSF) | 40,0 KN |
| 2 – lowest spreading force (LSF) | 33,0 KN |
| Pulling force | |
| 1 – highest pulling force (HPF) | 23,0 KN |
| 1 – lowest pulling force (LPF) | 19,0 KN |
| Dimensions | |
| Length: | 750 mm |
| Width: | 355 mm |
| Height: | 255 mm |
| Total weight: | 17,1 kg |
| Nominal pressure: | 70 MPa |



Product Service

Attachment 2 Technical data
Order number 028-71370883-400

Parameter

| | |
|-----------------------------------|---|
| Type: | SP 300 E |
| Art. No.: | 171 050 000 |
| Technical data | |
| Spreading distance: | 605 mm |
| Pulling distance: | 495 mm |
| Spreading force | |
| 1 – highest spreading force (HSF) | 40,0 KN |
| 2 – lowest spreading force (LSF) | 33,0 KN |
| Pulling force | |
| 1 – highest pulling force (HPF) | 23,0 KN |
| 1 – lowest pulling force (LPF) | 19,0 KN |
| Dimensions | |
| Length: | 895 mm |
| Width: | 355 mm |
| Height: | 290 mm |
| Nominal voltage: | 24,0 V |
| Battery: | 25,2 V |
| Total Weight: | 20,5 kg without energy source 21,4 kg with energy source |
| Nominal pressure: | 70 MPa |