



Product Service

Mehr Sicherheit.
Mehr Wert.

Technical Report No. 028-71325856-200 Rev. 1
of 12.08.2010

Client: Lukas Hydraulik GmbH
Weinstraße 39
D-91058 Erlangen

Mr. Bertleff

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

Object of evaluation: Cutters
S 120; S 310; S 311; S 330; S 510; S 511; S 530;

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 with at least one movable blade that is used to cut, shear or sever material.

1.2 Technical Data

See attachment 1 - 8

2 Order

2.1 Date of the order, sign of the client

27.07.2007 and 13.01.2010

2.2 Test sample receipt, location

On-site testing

2.3 Date of the testing

11.09.2007 – 14.09.2007

Upgrade testing

01.02.2010 – 03.02.2010

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 safety-relevant changes of the product will be transfer into the current manufacturing, these require a check for evaluation, for the admission in the documentation and if necessary actualization of the certificate.

5 Summary

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

TÜV PRODUCT SERVICE GMBH

Test Engineer



i.A. Gerhard David
VT 3



Checked by



Manfred Fürgut
VT 3



Attachment 1 Technical data
Order number 028-71325856-200

Parameter

Type: S 120

Art. No.: 112 000 000
172 000 000

Technical data

Width of opening: 53 mm

Dimension:

Length: 365 mm
Width: 123 mm
Height: 74 mm

Total Weight: 4,3 kg

Nominal pressure: 70 MPa

Cutting class: A4, B3, C2, D3, E3



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Attachment 2 Technical data
Order number 028-71325856-200

Parameter

Type: S 120

Art. No.: 112 001 000
172 001 000

Technical data

Width of opening: 53 mm

Dimension:

Length: 346 mm
Width: 130 mm
Height: 87 mm

Total Weight: 4,3 kg

Nominal pressure: 70 MPa

Cutting class: A4, B3, C2, D3, E3



Attachment 3 Technical data
Order number 028-71325856-200

Parameter

Type:	S 310
Art. No.:	112 010 000 172 010 000
Technical data	
Width of opening:	125 mm
Dimension:	
Length:	665 mm
Width:	190 mm
Height:	160 mm
Total Weight:	12,2 kg
Nominal pressure:	70 MPa
Cutting class:	A7, B6, C6, D7, E7



Attachment 4 Technical data
Order number 028-71325856-200

Parameter

Type:	S 311
Art. No.:	112 020 000 172 020 000
Technical data	
Width of opening:	150 mm
Dimension:	
Length:	705 mm
Width:	190 mm
Height:	160 mm
Total Weight:	13,9 kg
Nominal pressure:	70 MPa
Cutting class:	A7, B8, C6, D7, E7



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Attachment 5 Technical data
Order number 028-71325856-200

Parameter

Type:	S 330
Art. No.:	112 030 000 172 030 000
Technical data	
Width of opening:	228 mm
Dimension:	
Length:	726 mm
Width:	211 mm
Height:	163 mm
Total Weight:	14,8 kg
Nominal pressure:	70 MPa
Cutting class:	A7, B7, C7, D8, E8



Attachment 6 Technical data
Order number 028-71325856-200

Parameter

Type:	S 510
Art. No.:	112 040 000 172 040 000
Technical data	
Width of opening:	180 mm
Dimension:	
Length:	772 mm
Width:	245 mm
Height:	170 mm
Total Weight:	19,1 kg
Nominal pressure:	70 MPa
Cutting class:	A8, B9, C7, D8, E9



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Attachment 7 Technical data
Order number 028-71325856-200

Parameter

Type:	S 511
Art. No.:	112 050 000 172 050 000
Technical data	
Width of opening:	150 mm
Dimension:	
Length:	740 mm
Width:	245 mm
Height:	170 mm
Total Weight:	19,0 kg
Nominal pressure:	70 MPa
Cutting class:	A8, B8, C7, D8, E9



Attachment 8 Technical data
Order number 028-71325856-200

Parameter

Type:	S 530
Art. No.:	112 060 000 172 060 000
Technical data	
Width of opening:	281 mm
Dimension:	
Length:	775 mm
Width:	245 mm
Height:	170 mm
Total Weight:	17,9 kg
Nominal pressure:	70 MPa
Cutting class:	A8, B7, C7, D8, E9