



Technical Report No. 028-7130 95685-250

of 02.12.2016

Client: Lukas Hydraulik GmbH
Weinstraße 39
D-91058 Erlangen

Mr. Sauerbier

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

Object of evaluation: Cutters
S 120; S 311; S 312; S 330; S 510; S 511; S 530; S 700

Test specification: DIN EN 13204: 2016-12
Hydraulic rescue tools for fire and rescue service use

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 Cutter

Hydraulic rescue tool able to perform a cutting function with the aid of one or more blade(s).

1.2 Technical Data

See attachment 1 - 8

2 Order

2.1 Date of the order, sign of the client

27.10.2016

2.2 Test sample receipt, location

On-site testing

2.3 Date of the testing

28.11.2016 – 02.12.2016

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 DIN EN 13204: 2016-12

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 DIN EN 13204: 2016-12

TÜV SÜD

Test Engineer



i.A. Uwe Beck
AS BWS-FG

Checked by




Gerhard David
PS SL



Attachment 1 Technical data
Order number 028-7130 95685-250

Parameter

Type:	Cutter S 120
Art. No.:	81-20-10 172 001 000
Specification:	AC 53B – 4,3

Technical data

Nominal pressure:	70MPa
Width of opening:	53 mm
Nominal cutter opening (75%reach):	53 mm
EN Cutting capacity:	B
Cutting performance:	1D – 2C – 3B

Dimension

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

Total Weight: (closed, ready to start)	4,3 kg
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Attachment 2 Technical data
Order number 028-7130 95685-250

Parameter

Type: Cutter
S 311

Art. No.: 81-20-20
172 020 000

Specification: BC 150 G – 13,9

Technical data

Nominal pressure: 70MPa

Width of opening: 150 mm
Nominal cutter opening (75%reach): 150 mm

EN Cutting capacity: G

Cutting performance: 1H – 2H – 3G – 4H – 5H

Dimension

Length: 705 mm
Width: 211 mm
Height: 160 mm

Total Weight: 13,9 kg
(closed, ready to start)



Attachment 3 Technical data
Order number 028-7130 95685-250

Parameter

Type:	Cutter S 312
Art. No.:	81-20-22
Specification:	BC 160 I – 14,5
Technical data	
Nominal pressure:	70MPa
Width of opening:	160 mm
Nominal cutter opening (75%reach):	160 mm
EN Cutting capacity:	I
Cutting performance:	1I – 2I – 3I – 4J – 5J
Dimension	
Length:	724 mm
Width:	228 mm
Height:	172 mm
Total Weight: (closed, ready to start)	14,5 kg



Attachment 4 Technical data
Order number 028-7130 95685-250

Parameter

Type:	Cutter S 330
Art. No.:	81-20-30 172 030 000
Specification:	BC 175 I – 14,8
Technical data	
Nominal pressure:	70MPa
Width of opening:	228 mm
Nominal cutter opening (75%reach):	175 mm
EN Cutting capacity:	I
Cutting performance:	1I – 2I – 3I – 4J – 5J
Dimension	
Length:	726 mm
Width:	211 mm
Height:	163 mm
Total Weight: (closed, ready to start)	14,8 kg



Attachment 5 Technical data
Order number 028-7130 95685-250

Parameter

Type:	Cutter S 510
Art. No.:	81-20-40 172 047 000
Specification:	CC 202 I – 18,9
Technical data	
Nominal pressure:	70MPa
Width of opening:	202 mm
Nominal cutter opening (75%reach):	202 mm
EN Cutting capacity:	I
Cutting performance:	1J – 2K – 3I – 4J – 5J
Dimension	
Length:	776 mm
Width:	240 mm
Height:	170 mm
Total Weight: (closed, ready to start)	18,9 kg



Attachment 6 Technical data
Order number 028-7130 95685-250

Parameter

Type:	Cutter S 511
Art. No.:	81-20-50 172 057 000
Specification:	BC 152 I – 18,7
Technical data	
Nominal pressure:	70MPa
Width of opening:	162 mm
Nominal cutter opening (75%reach):	152 mm
EN Cutting capacity:	I
Cutting performance:	1K – 2J – 3I – 4J – 5K
Dimension	
Length:	746 mm
Width:	245 mm
Height:	170 mm
Total Weight: (closed, ready to start)	18,7 kg



Attachment 7 Technical data
Order number 028-7130 95685-250

Parameter

Type:	Cutter S 530
Art. No.:	81-20-60 172 067 000
Specification:	CC 200 I – 18,1
Technical data	
Nominal pressure:	70MPa
Width of opening:	297 mm
Nominal cutter opening (75%reach):	200 mm
EN Cutting capacity:	I
Cutting performance:	1K – 2I – 3J – 4K – 5K
Dimension	
Length:	780 mm
Width:	245 mm
Height:	170 mm
Total Weight: (closed, ready to start)	18,1 kg



Attachment 8 Technical data
Order number 028-7130 95685-250

Parameter

Type:	Cutter S 700
Art. No.:	81-20-70 172 081 000
Specification:	BC 180 J – 21,3
Technical data	
Nominal pressure:	70MPa
Width of opening:	185 mm
Nominal cutter opening (75%reach):	180 mm
EN Cutting capacity:	J
Cutting performance:	1J – 2K – 3K – 4K – 5K
Dimension	
Length:	790 mm
Width:	300 mm
Height:	258 mm
Total Weight: (closed, ready to start)	21,3 kg