



INSPECTION CERTIFICATE (3.1) - Chemical analysis TEST REPORT (2.2) - Mechanical properties

Date: 2011-04-29

Certificate number: EC21967544 rev. 0

Our order: 15487363
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20110429

Your order: 20030966596
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidnr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lidnr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB102265

Quantity: 432 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 12 3 L R 1 2
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A5</u>
460 MPa	570 MPa	40 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	60 J
-20 °C	55 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.02%
Si	0.70%
Mn	0.6%
P	0.023%
S	0.013%
Cr	18.4%
Ni	11.7%
Mo	2.8%
Cu	0.11%
FN WRC-92	6

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.
This certificate is produced electronically and is valid without signature.
Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Joakim Rohdén

Quality Director

Validation - Others

Tapio Huhtala

Product Manager



INSPECTION CERTIFICATE (3.1) - Chemical analysis
TEST REPORT (2.2) - Mechanical properties

Date: 2012-02-07

Certificate number: EC22317694 rev. 0

Our order: 15549799
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20120207

Your order: 20031025253
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidnr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lidnr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB140311

Quantity: 216 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 12 3 L R 1 2
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:

Auxiliary:

Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A5</u>
460 MPa	570 MPa	40 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	60 J
-20 °C	55 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.02%
Si	0.68%
Mn	0.6%
P	0.022%
S	0.014%
Cr	18.0%
Ni	11.5%
Mo	2.7%
Cu	0.10%
FN WRC-92	5

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

This certificate is produced electronically and is valid without signature.

Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Joakim Rohdén

Quality Director

Validation - Others

Tapio Huhtala

Product Manager



INSPECTION CERTIFICATE (3.1) - Chemical analysis TEST REPORT (2.2) - Mechanical properties

Date: 2011-03-04

Certificate number: EC21902228 rev. 0

Our order: 15468337
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20110304

Your order: 20030954041
Your reference:
Your fax number:
Your e-mail:

Invoice address

ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidnr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address

LASAULEC CENTRAAL B.V.
Lidnr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB040057

Quantity: 648 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 12 3 L R 1 2
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

Rp0.2 Rm A5
460 MPa 570 MPa 40 %

IMPACT

Temp KV
+20 °C 60 J
-20 °C 55 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.02%
Si	0.65%
Mn	0.6%
P	0.019%
S	0.012%
Cr	18.4%
Ni	11.3%
Mo	2.8%
Cu	0.05%
FN WRC-92	5

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.
This certificate is produced electronically and is valid without signature.
Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Joakim Rohdén Quality Director

Validation - Others

Tapio Huhtala

Product Manager



INSPECTION CERTIFICATE (3.1) - Chemical analysis TEST REPORT (2.2) - Mechanical properties

Date: 2011-04-08

Certificate number: EC21943983 rev. 0

Our order: 15480532
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20110408

Your order: 20030962052
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidnr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lidnr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB050020

Quantity: 216 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 12 3 L R 1 2
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A5</u>
460 MPa	570 MPa	40 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	60 J
-20 °C	55 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.02%
Si	0.75%
Mn	0.6%
P	0.020%
S	0.014%
Cr	18.2%
Ni	11.4%
Mo	2.8%
Cu	0.11%
FN WRC-92	6

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.
This certificate is produced electronically and is valid without signature.
Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Joakim Rohdén

Quality Director

Validation - Others

Tapio Huhtala

Product Manager



INSPECTION CERTIFICATE (3.1) - Chemical analysis
TEST REPORT (2.2) - Mechanical properties

Date: 2011-10-21

Certificate number: EC22187154 rev. 0

Our order: 15533832
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20111021

Your order: 20031003045
Your reference:
Your fax number:
Your e-mail:

Invoice address

ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidhr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address

LASAULEC CENTRAAL B.V.
Lidhr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB128127

Quantity: 648 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 12 3 L R 1 2
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:

Auxiliary:

Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A5</u>
460 MPa	570 MPa	40 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	60 J
-20 °C	55 J

COMMENTS

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.
This certificate is produced electronically and is valid without signature.

Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Joakim Rohdén

Quality Director

Validation - Others

Tapio Huhtala

Product Manager



INSPECTION CERTIFICATE (3.1) - Chemical analysis
TEST REPORT (2.2) - Mechanical properties

Date: 2012-03-09

Certificate number: EC22360740 rev. 0

Our order: 15554842
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20120309

Your order: 20031033487
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidhr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lidhr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB148005

Quantity: 432 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 123 L R 1 2
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A5</u>
460 MPa	570 MPa	40 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	60 J
-20 °C	55 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.03%
Si	0.68%
Mn	0.6%
P	0.021%
S	0.013%
Cr	17.9%
Ni	11.1%
Mo	2.8%
Cu	0.06%
FN WRC-92	5

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

This certificate is produced electronically and is valid without signature.

Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Joakim Rohdén

Quality Director

Validation - Others

Tapio Huhtala

Product Manager



INSPECTION CERTIFICATE (3.1) - Chemical analysis
TEST REPORT (2.2) - Mechanical properties

Date: 2011-12-13

Certificate number: EC22252523 rev. 0

Our order: 15541901
Our reference: Rutger VISSER
Customer number: 30077244
Customer order date: 20111213

Your order: 20031014172
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidhr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lidhr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB140025

Quantity: 1512 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 12 3 LR 1 2
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A5</u>
460 MPa	570 MPa	40 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	60 J
-20 °C	55 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.02%
Si	0.73%
Mn	0.6%
P	0.019%
S	0.012%
Cr	18.2%
Ni	11.8%
Mo	2.8%
Cu	0.10%
FN WRC-92	5

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

This certificate is produced electronically and is valid without signature.

Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Joakim Rohdén

Quality Director

Validation - Others

Tapio Huhtala

Product Manager



INSPECTION CERTIFICATE (3.1) - Chemical analysis
TEST REPORT (2.2) - Mechanical properties

Date: 2012-03-30

Certificate number: EC22390248 rev. 0

Our order: 15558195
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20120330

Your order: 20031038455
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidhr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lidhr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB146065

Quantity: 432 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 123 LR 12
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A5</u>
460 MPa	570 MPa	40 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	60 J
-20 °C	55 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.03%
Si	0.70%
Mn	0.6%
P	0.020%
S	0.015%
Cr	18.7%
Ni	11.6%
Mo	2.9%
Cu	0.11%
FN WRC-92	7

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

This certificate is produced electronically and is valid without signature.

Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Ellen Björgran

Quality Manager

Validation - Others

Tapio Huhtala

Product Manager



INSPECTION CERTIFICATE (3.1) - Chemical analysis
TEST REPORT (2.2) - Mechanical properties

Date: 2012-04-13

Certificate number: EC22406339 rev. 0

Our order: 15559227
Our reference: Westerman Jolanda
Customer number: 30077244
Customer order date: 20120413

Your order: 20031041283
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidnr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lidnr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB202279

Quantity: 648 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 123 LR 12
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:
Auxiliary:
Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A5</u>
460 MPa	570 MPa	40 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	60 J
-20 °C	55 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.02%
Si	0.69%
Mn	0.6%
P	0.019%
S	0.010%
Cr	17.8%
Ni	11.1%
Mo	2.9%
Cu	0.06%
FN WRC-92	5

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

This certificate is produced electronically and is valid without signature.

Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Ellen Björgran

Quality Manager

Validation - Others

Tapio Huhtala

Product Manager



INSPECTION CERTIFICATE (3.1) - Chemical analysis
TEST REPORT (2.2) - Mechanical properties

Date: 2011-12-06

Certificate number: EC22243328 rev. 0

Our order: 15540625
Our reference: Rutger VISSER
Customer number: 30077244
Customer order date: 20111205

Your order: 20031012611
Your reference:
Your fax number:
Your e-mail:

Invoice address
ZEVIJ B.V. LASAULEC CENTRAAL HVEEN
Lidnr. 400
POSTBUS 447
4900 AK OOSTERHOUT
Netherlands

Receiver of certificate

Delivery address
LASAULEC CENTRAAL B.V.
Lidnr. 400
KUPER 2
8447 GK HEERENVEEN
Netherlands

DELIVERY

Lot number: SB135135

Quantity: 648 EA

PRODUCT

Brand: ESAB
Description: OK 63.30 2.5x300mm 1/4 VP
Item number: 63302520L0

CLASSIFICATIONS

EN 1600 E 19 12 3 L R 1 2
SFA/AWS A5.4 E316L-17
CSA W48 E316L-17
Werkstoffnummer 1.4430

MECHANICAL PROPERTIES

Typical data
acc to EN 10204 - 2.2

Standard:

Auxiliary:

Condition:

TENSILE

<u>Rp0.2</u>	<u>Rm</u>	<u>A5</u>
460 MPa	570 MPa	40 %

IMPACT

<u>Temp</u>	<u>KV</u>
+20 °C	60 J
-20 °C	55 J

COMMENTS

CHEMICAL COMPOSITION

Actual results
acc to EN 10204 - 3.1

All weld metal

Auxiliary:

C	0.02%
Si	0.74%
Mn	0.6%
P	0.020%
S	0.013%
Cr	18.2%
Ni	11.7%
Mo	2.8%
Cu	0.10%
FN WRC-92	4

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

This certificate is produced electronically and is valid without signature.

Please refer any queries to:

Esab Nederland BV - P.O. Box 2236, 3800 CE Amersfoort, Nederland

Validation - Chemical Analysis

Joakim Rohdén

Quality Director

Validation - Others

Tapio Huhtala

Product Manager