

# Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

## Certificate of constancy of performance

### 0432-CPR-00099-07

Version 04

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction product

### ECO Door Hinges Ø 18 mm roll length 160 mm

Uniaxial door hinges as detailed and classified on annex 1

placed on the market under the name or trade mark of

### ECO Schulte GmbH & Co. KG

Iserlohner Landstraße 89  
58706 Menden, Germany

and produced in the manufacturing plant(s)

### DO 25.21

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in annex ZA of the standard(s)

### EN 1935:2002/AC:2003

under **system 1** for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

### constancy of performance of the construction product.

This certificate was first issued on 06.10.2020 and will remain valid until 06.10.2025 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Dortmund, 6th October 2020



By order

Dipl.-Ing. Friedrich  
Head of Certification Body

This Certificate consists of 1 page and 1 annex(es).

This certificate replaces the certificate No. 0432-CPR-00099-07 from  
19<sup>th</sup> August 2019, Version 03



The original of this document was issued in German language.

In case of doubt only the German version is valid.

# Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

## ECO Door Hinges Ø18 mm, 160 mm

<b>Type:</b>	OBX-18-1531/160
<b>Roll length:</b>	160 mm
<b>Roll diameter:</b>	18 mm
<b>Material thickness:</b>	Frame part 3.5 mm, wing part 3 mm
<b>Material:</b>	1.4301 / 1.0332 zinc-plated / 1.0332 nickel-plated
<b>Installation:</b>	rebated
<b>Classification:</b>	3 7 4 1 1 * 1 11
<b>Manufacturing plant:</b>	DO 25.21

### Intended use:

Essential properties	Sections with requirements in EN 1935:2002/A1:2003	Performance of the product
Self-closing	5.1 Starting measurement of the friction torque 5.2.1 Load deformation 5.2.2 Overload 5.3 Shear strength 5.6 Door hinges for fire- and/or smoke protection doors	Passed Class 11 Passed Class 11 Passed Class 11 Passed Class 11 Passed Class 1
Durability	5.4 Durability operation test 5.8 Door hinge groups with common design characteristics  5.5 Corrosion resistance	Passed Class 11 Same pivot bearing, same roll diameter, same material thickness *1.4301: Passed Class 4 *1.0332 zinc-plated: Passed Class 4 *1.0332 nickel-plated: Passed Class 2
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

# Materialprüfungsamt Nordrhein-Westfalen

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## ECO Door Hinges Ø18 mm, 160 mm

<b>Type:</b>	OBX-18-1531/160-LG OBX-18-1531/160-LG-RC-A OBX-18-1531/160-LG-RC-B OBX-18-1531/160-LG-TZ OBX-18-1531/160-LG-RC-A-TZ OBX-18-1531/160-LG-RC-B-TZ OBX-18-1531/160-LG-RC-A-Si OBX-18-1531/160-LG-RC-B-Si
<b>Roll length:</b>	160 mm
<b>Roll diameter:</b>	18 mm
<b>Material thickness:</b>	Frame part 3 mm, wing part 3 mm
<b>Material:</b>	1.4301
<b>Installation:</b>	rebated
<b>Classification:</b>	4 7 7 1 1 3 1 14
<b>Manufacturing plant:</b>	DO 25.21
<b>Remarks:</b>	TZ: with reinforcing dowel RC-A: outer frame part chamber closed RC-B: middle frame part chamber closed Si: with security dowel

### Intended use:

Essential properties	Sections with requirements in EN 1935:2002/A1:2003	Performance of the product
Self-closing	5.1 Starting measurement of the friction torque 5.2.1 Load deformation 5.2.2 Overload 5.3 Shear strength 5.6 Door hinges for fire- and/or smoke protection doors	Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 1
Durability	5.4 Durability operation test 5.8 Door hinge groups with common design characteristics 5.5 Corrosion resistance	Passed Class 14 Same pivot bearing, same roll diameter, same material thickness 1.4301: Passed Class 3
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

# Materialprüfungsamt Nordrhein-Westfalen

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## ECO Door Hinges Ø18 mm, 160 mm

<b>Type:</b>	OBX-18-1532/160-LG OBX-18-1532/160-LG-RC-A OBX-18-1532/160-LG-RC-B OBX-18-1532/160-LG-TZ OBX-18-1532/160-LG-RC-A-TZ OBX-18-1532/160-LG-RC-B-TZ OBX-18-1532/160-LG-RC-A-Si OBX-18-1532/160-LG-RC-B-Si
<b>Roll length:</b>	160 mm
<b>Roll diameter:</b>	18 mm
<b>Material thickness:</b>	Frame part 3 mm, wing part 3 mm
<b>Material:</b>	1.4301
<b>Installation:</b>	rebated
<b>Classification:</b>	4 7 7 1 1 3 1 14
<b>Manufacturing plant:</b>	DO 25.21
<b>Remarks:</b>	TZ: with reinforcing dowel RC-A: outer frame part chamber closed RC-B: middle frame part chamber closed Si: with security dowel

### Intended use:

Essential properties	Sections with requirements in EN 1935:2002/A1:2003	Performance of the product
Self-closing	5.1 Starting measurement of the friction torque 5.2.1 Load deformation 5.2.2 Overload 5.3 Shear strength 5.6 Door hinges for fire- and/or smoke protection doors	Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 1
Durability	5.4 Durability operation test 5.8 Door hinge groups with common design characteristics 5.5 Corrosion resistance	Passed Class 14 Same pivot bearing, same roll diameter, same material thickness 1.4301: Passed Class 3
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

# Materialprüfungsamt Nordrhein-Westfalen

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## ECO Door Hinges Ø18 mm, 160 mm

<b>Type:</b>	OBX-18-1633/160
<b>Roll length:</b>	160 mm
<b>Roll diameter:</b>	18 mm
<b>Material thickness:</b>	Frame part 3.5 mm, wing part 3 mm
<b>Material:</b>	1.4301 / 1.0332 zinc-plated / 1.0332 nickel-plated
<b>Installation:</b>	rebated
<b>Classification:</b>	4 7 7 1 1 * 1 14
<b>Manufacturing plant:</b>	DO 25.21
<b>Remarks:</b>	

### Intended use:

Essential properties	Sections with requirements in EN 1935:2002/A1:2003	Performance of the product
Self-closing	5.1 Starting measurement of the friction torque 5.2.1 Load deformation 5.2.2 Overload 5.3 Shear strength 5.6 Door hinges for fire- and/or smoke protection doors	Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 1
Durability	5.4 Durability operation test 5.8 Door hinge groups with common design characteristics  5.5 Corrosion resistance	Passed Class 14 Same pivot bearing, same roll diameter, same material thickness *1.4301: Passed Class 4 *1.0332 zinc-plated: Passed Class 4 *1.0332 nickel-plated: Passed Class 2
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

# Materialprüfungsamt Nordrhein-Westfalen

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## ECO Door Hinges Ø18 mm, 160 mm

<b>Type:</b>	OBX-18-2541/160 OBN-18-4141/160
<b>Roll length:</b>	160 mm
<b>Roll diameter:</b>	18 mm
<b>Material thickness:</b>	Frame part 3.5 mm, wing part 3 mm
<b>Material:</b>	1.4301 / 1.0332 zinc-plated / 1.0332 nickel-plated
<b>Installation:</b>	flush
<b>Classification:</b>	3 7 4 1 1 * 1 11
<b>Manufacturing plant:</b>	DO 25.21

### Intended use:

Essential properties	Sections with requirements in EN 1935:2002/A1:2003	Performance of the product
Self-closing	5.1 Starting measurement of the friction torque 5.2.1 Load deformation 5.2.2 Overload 5.3 Shear strength 5.6 Door hinges for fire- and/or smoke protection doors	Passed Class 11 Passed Class 11 Passed Class 11 Passed Class 11 Passed Class 1
Durability	5.4 Durability operation test 5.8 Door hinge groups with common design characteristics  5.5 Corrosion resistance	Passed Class 11 Same pivot bearing, same roll diameter, same material thickness *1.4301: Passed Class 4 *1.0332 zinc-plated: Passed Class 4 *1.0332 nickel-plated: Passed Class 2
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

# Materialprüfungsamt Nordrhein-Westfalen

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## ECO Door Hinges Ø18 mm, 160 mm

<b>Type:</b>	OBX-18-2541/160-LG OBX-18-2541/160-LG-RC-A OBX-18-2541/160-LG-RC-B OBX-18-2541/160-LG-TZ OBX-18-2541/160-LG-RC-A-TZ OBX-18-2541/160-LG-RC-B-TZ OBN-18-4141/160-LG
<b>Roll length:</b>	160 mm
<b>Roll diameter:</b>	18 mm
<b>Material thickness:</b>	Frame part 3 mm, wing part 3 mm
<b>Material:</b>	1.4301
<b>Installation:</b>	flush
<b>Classification:</b>	4 7 7 1 1 3 1 14
<b>Manufacturing plant:</b>	DO 25.21
<b>Remarks:</b>	TZ: with reinforcing dowel RC-A: uuter frame part chamber closed RC-B: middle frame part chamber closed

### Intended use:

Essential properties	Sections with requirements in EN 1935:2002/A1:2003	Performance of the product
Self-closing	5.1 Starting measurement of the friction torque 5.2.1 Load deformation 5.2.2 Overload 5.3 Shear strength 5.6 Door hinges for fire- and/or smoke protection doors	Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 1
Durability	5.4 Durability operation test 5.8 Door hinge groups with common design characteristics 5.5 Corrosion resistance	Passed Class 14 Not applicable 1.4301: Passed Class 3
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.

# Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

## ECO Door Hinges Ø18 mm, 160 mm

<b>Type:</b>	OBX-18-2643/160
<b>Roll length:</b>	160 mm
<b>Roll diameter:</b>	18 mm
<b>Material thickness:</b>	Frame part 3.5 mm, wing part 3 mm
<b>Material:</b>	1.4301 / 1.0332 zinc-plated / 1.0332 nickel-plated
<b>Installation:</b>	flush
<b>Classification:</b>	4 7 7 1 1 * 1 14
<b>Manufacturing plant:</b>	DO 25.21

### Intended use:

Essential properties	Sections with requirements in EN 1935:2002/A1:2003	Performance of the product
Self-closing	5.1 Starting measurement of the friction torque 5.2.1 Load deformation 5.2.2 Overload 5.3 Shear strength 5.6 Door hinges for fire- and/or smoke protection doors	Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 14 Passed Class 1
Durability	5.4 Durability operation test 5.8 Door hinge groups with common design characteristics 5.5 Corrosion resistance	Passed Class 14 Not applicable *1.4301: Passed Class 4 *1.0332 zinc-plated: Passed Class 4 *1.0332 nickel-plated: Passed Class 2
Dangerous substances	Annex ZA.3	The manufacturer has not declared any dangerous substances.