

Materialprüfungsamt Nordrhein-Westfalen

Prüfen • Überwachen • Zertifizieren

**Certificate of constancy of performance
0432-CPR-00099-07**

Version 03

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 2

placed on the market under the name or trade mark of

ECO Schulte GmbH & Co. KGIserlohner 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 06.10.2015 and will remain valid until 06.10.2020 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 19th August 2019



By order

Dipl.-Ing. Friedrich
Head of Certification Body

This Certificate consists of 1 page and 2 annex(es).

This certificate replaces the certificate No. 0432-CPR-00099-07 from
December, 19th 2018, Version 02

The original of this document was issued in German language.

In case of doubt only the German version is valid.

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Door hinges Series ECO

Manufacturing plant

Product	Manufacturer and manufacturing plant
ECO Door hinges Ø18 160mm	ECO Schulte Doorsystems Zhuhai Co., Ltd. Zhuhai, China No. 31, Zhuhai Free Trade Zone CN-Zhuhai Guangdong DO 25.21

Materialprüfungsamt Nordrhein-Westfalen

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ECO Door Hinges Ø18 mm, 160 mm

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

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ECO Door Hinges Ø18 mm, 160 mm

Type:	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
Roll length:	160 mm
Roll diameter:	18 mm
Material thickness:	Frame part 3 mm, wing part 3 mm
Material:	1.4301
Installation:	rebated
Classification:	4 7 7 1 1 3 1 14
Manufacturing plant:	DO 25.21
Remarks:	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.

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ECO Door Hinges Ø18 mm, 160 mm

Type:	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
Roll length:	160 mm
Roll diameter:	18 mm
Material thickness:	Frame part 3 mm, wing part 3 mm
Material:	1.4301
Installation:	rebated
Classification:	4 7 7 1 1 3 1 14
Manufacturing plant:	DO 25.21
Remarks:	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.

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ECO Door Hinges Ø18 mm, 160 mm

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

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.

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ECO Door Hinges Ø18 mm, 160 mm

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

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ECO Door Hinges Ø18 mm, 160 mm

Type:	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
Roll length:	160 mm
Roll diameter:	18 mm
Material thickness:	Frame part 3 mm, wing part 3 mm
Material:	1.4301
Installation:	flush
Classification:	4 7 7 1 1 3 1 14
Manufacturing plant:	DO 25.21
Remarks:	TZ: with reinforcing dowel RC-A: outer 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.

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ECO Door Hinges Ø18 mm, 160 mm

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