CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE



No. DoP / DH001

1. Unique identification code of the product-type:

835, 835R, 835x3, 836, 836x3, 837, and 837x3 stainless steel 2 ball bearings door hinges

- Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR: 835, 835R, 835x3, 836, 836x3, 837, and 837x3 stainless steel 2 ball bearings door hinges
- Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): Dale Hardware Ltd

Units 1-3 Sandebds Trading Estate, Ossett, West Yorkshire, WF5 9ND

- 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): N/A
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: 6. System 1
- In case of the declaration of performance concerning a construction product covered by a harmonized standard: EN 1935:2002 Notified Body No. 359 issued the EC Certificate.

Performance

European Technical Assessment:

Essential characteristics

N/A

| 9. | Declared | performance |
|----|----------|-------------|
| | | |

| 4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance | Grade 4 - Severe duty Grade 7 - 200 000 cycles Grade 6 - 120 Kg Grade 1 - suitable for use on fire/smoke resistant door assemblies. |
|--|---|
| 4.6 Safety4.7 Corrosion resistance4.8 Security-Burglar-Resistance | Grade 1 - Safety the essential requirement of safety in use Grade 4 - Very high corrosion resistance Grade 0 - not suitable for use on burglar-resistant door assemblies |
| 4.9 Hinge grade 5 REQUIREMENTS | Grade 13 |
| 5.1 Initial friction torque with max. door mass 40 kg | Passed: below 4Nm |
| 5.2 Static load 5.2.1 Load deformation | 240Kg Passed with a displacement under load: (i) vertical 0.44mm; (ii) lateral 0.52mm and a residual displacement after unloading: (i) vertical 0.22mm; (ii) lateral 0.22mm |
| 5.2.2 Overload 5.3 Shear strength 5.3.1 Lateral deformation maximum | 360Kg 0.74mm |
| 5.3.2 Displacements after test 5.4 Durability | (i) vertical 0.04mm; (ii) lateral 0.34mm |
| 5.4.1 Wear after 200,000 cylces 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test | (i) vertical 0.40mm; (ii) lateral 0.08mm Passed: below 4Nm |
| 5.5 Corrosion resistance 5.5.1 Salt Spray Test | Passed salt spray test of 240 hrs |
| Dangerous Substances Annex ZA3 | If a reference to dangerous substances is added in the table ZA.1, the following claim is suggested: Pass: the materials in the hinge do not contain or release any dangerous |
| | aubatanaga in ayagaa af the mayimum layala |

Harmonised technical specification

EN 1935:2002

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

substances in excess of the maximum levels specified in existing European material standards or any national regulations

Signed for and on behalf of the manufacturer by:

Daniel Monaghan

Director

CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE



Harmonised technical

No. DoP / DH002

1. Unique identification code of the product-type:

866, 867, 868, and 869 mild steel 2 ball bearings door hinges

- 2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR: 866, 867, 868, and 869 mild steel 2 ball bearings door hinges
- 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): Dale Hardware Ltd

Units 1-3 Sandebds Trading Estate, Ossett, West Yorkshire, WF5 9ND

- Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): N/A
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: System 1
- In case of the declaration of performance concerning a construction product covered by a harmonized standard: EN 1935:2002 Notified Body No. 359 issued the EC Certificate.

Performance

8. European Technical Assessment:

Essential characteristics

- N/A
- 9. Declared performance

| | | specification |
|---|---|---------------|
| 4 CLASSIFICATION 4.2 Category of use | Grade 3 - Heavy duty | |
| 4.3 Durability | Grade 7 - 200 000 cycles | EN 1935:2002 |
| 4.4 Test door mass | Grade 4 - 80 Kg | |
| 4.5 Fire resistance | Grade 1 - suitable for use on fire/smoke resistant door | |
| 4.6 Safety | assemblies. Grade 1 - Safety the essential requirement of safety in use | |
| 4.7 Corrosion resistance | Grade 4 - Very high corrosion resistance | |
| 4.8 Security-Burglar-Resistance | Grade 0 - not suitable for use on burglar-resistant door | |
| 4.0.11 | assemblies | |
| 4.9 Hinge grade | Grade 11 | |
| 5 REQUIREMENTS | Passed: below 3Nm | |
| 5.1 Initial friction torque with max. door mass 40 kg | rassed. Delow Sivili | |
| 5.2 Static load | 160Kg | |
| 5.2.1 Load deformation | Passed with a displacement under load: | |
| | (i) vertical 0.78mm; (ii) lateral 0.80mm | |
| | and a residual displacement after unloading: (i) vertical 0.20mm; (ii) lateral 0.25mm | |
| F 0 0 0 | 240Ka | |
| 5.2.2 Overload 5.3 Shear strength | | |
| 5.3.1 Lateral deformation maximum | 1.22mm | |
| 5.3.2 Displacements after test | (i) vertical 0.28mm; (ii) lateral 0.18mm | |
| 5.4 Durability | (i) vertical 0.58mm; (ii) lateral 0.31mm | |
| 5.4.1 Wear after 200,000 cylces 5.4.2 Maximum permissible frictional | Passed: below 3Nm | |
| torque measured after the first 20 | 1 assed. below Sivili | |
| cycles and also after completion of | | |
| test | | |
| 5.5 Corrosion resistance | Passed salt spray test of 240 hrs | |
| 5.5.1 Salt Spray Test | rassed sail spray lest of 240 fils | |
| | | |
| | | |
| Dangerous Substances | If a reference to dangerous substances is | |
| Annex ZA3 | added in the table ZA.1, the following claim | |
| | is suggested: | |
| | Pass: the materials in the hinge do not | |
| | contain or release any dangerous | |
| | substances in excess of the maximum levels | |
| | specified in existing European material | |
| | standards or any national regulations | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Daniel Monaghan

Director

CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE



Harmonised technical

No. DoP / DH003

1. Unique identification code of the product-type:

933, 934, and 938 stainless steel 2 ball bearings door hinges

- 2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR: 933, 934, and 938 stainless steel 2 ball bearings door hinges
- 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): Dale Hardware Ltd

Units 1-3 Sandebds Trading Estate, Ossett, West Yorkshire, WF5 9ND

- Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): N/A
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: System 1
- In case of the declaration of performance concerning a construction product covered by a harmonized standard: EN 1935:2002 Notified Body No. 359 issued the EC Certificate.

Performance

8. European Technical Assessment:

Essential characteristics

N/A

9. Declared performance

| | | specification |
|---|--|---------------|
| 4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance | Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg Grade 1 - suitable for use on fire/smoke resistant door assemblies. | EN 1935:2002 |
| 4.6 Safety 4.7 Corrosion resistance 4.8 Security-Burglar-Resistance | Grade 1 - Safety the essential requirement of safety in use Grade 4 - Very high corrosion resistance Grade 0 - not suitable for use on burglar-resistant door assemblies | |
| 4.9 Hinge grade 5 REQUIREMENTS | Grade 7 Passed: below 2Nm | |
| 5.1 Initial friction torque with max. door mass 40 kg 5.2 Static load | 80Kg | |
| 5.2.1 Load deformation | Passed with a displacement under load: (i) vertical 0.22mm; (ii) lateral 0.52mm and a residual displacement after unloading: (i) vertical 0.14mm; (ii) lateral 0.12mm | |
| 5.2.2 Overload 5.3 Shear strength 5.3.1 Lateral deformation maximum | 120Kg 1.23mm | |
| 5.3.2 Displacements after test 5.4 Durability | (i) vertical 0.32mm; (ii) lateral 0.36mm | |
| 5.4.1 Wear after 200,000 cylces 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test 5.5 Corrosion resistance | (i) vertical 0.38mm; (ii) lateral 0.18mm Passed: below 2Nm | |
| 5.5.1 Salt Spray Test | Passed salt spray test of 240 hrs | |
| Dangerous Substances Annex ZA3 | If a reference to dangerous substances is added in the table ZA.1, the following claim is suggested: Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

standards or any national regulations

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Daniel Monaghan

Director

CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE



Harmonised technical

No. DoP / DH004

1. Unique identification code of the product-type:

962, 963, 964, and 965 mild steel 2 ball bearings door hinges

- 2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR: 962, 963, 964, and 965 mild steel 2 ball bearings door hinges
- 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): Dale Hardware Ltd

Units 1-3 Sandebds Trading Estate, Ossett, West Yorkshire, WF5 9ND

- Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): N/A
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: System 1
- In case of the declaration of performance concerning a construction product covered by a harmonized standard: EN 1935:2002 Notified Body No. 359 issued the EC Certificate.

Performance

8. European Technical Assessment:

Essential characteristics

N/A

9. Declared performance

| | | specification |
|--|--|---------------|
| 4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance | Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg Grade 1 - suitable for use on fire/smoke resistant door assemblies. | EN 1935:2002 |
| 4.6 Safety 4.7 Corrosion resistance 4.8 Security-Burglar-Resistance | Grade 1 - Safety the essential requirement of safety in use Grade 4 - Very high corrosion resistance Grade 0 - not suitable for use on burglar-resistant door assemblies | |
| 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door | Grade 7 Passed: below 2Nm | |
| mass 40 kg 5.2 Static load 5.2.1 Load deformation | 80Kg Passed with a displacement under load: (i) vertical 0.54mm; (ii) lateral 0.34mm and a residual displacement after unloading: (i) vertical 0.24mm; (ii) lateral 0.16mm | |
| 5.2.2 Overload 5.3 Shear strength 5.3.1 Lateral deformation maximum 5.3.2 Displacements after test 5.4 Durability 5.4.1 Wear after 200.000 cylces | 1.02mm (i) vertical 0.23mm; (ii) lateral 0.24mm (i) vertical 0.38mm; (ii) lateral 0.18mm | |
| 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test 5.5 Corrosion resistance | Passed: below 2Nm | |
| 5.5.1 Salt Spray Test | Passed salt spray test of 240 hrs | |
| Dangerous Substances Annex ZA3 | If a reference to dangerous substances is added in the table ZA.1, the following claim is suggested: Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

standards or any national regulations

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Daniel Monaghan

Director

CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE



Harmonised technical

No. DoP / DH005

1. Unique identification code of the product-type:

XL940 stainless steel washered door hinges

- 2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR: XL940 stainless steel washered door hinges
- Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): Dale Hardware Ltd

Units 1-3 Sandebds Trading Estate, Ossett, West Yorkshire, WF5 9ND

- 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): N/A
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: 6. System 1
- In case of the declaration of performance concerning a construction product covered by a harmonized standard: EN 1935:2002 Notified Body No. 359 issued the EC Certificate.

Performance

8. European Technical Assessment:

Essential characteristics

N/A

9. Declared performance

| Essertial Granacteristics | i enomianoe | specification |
|---|---|---------------|
| 4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance | Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg Grade 1 - suitable for use on fire/smoke resistant door | EN 1935:2002 |
| 4.6 Safety 4.7 Corrosion resistance 4.8 Security-Burglar-Resistance | assemblies. Grade 1 - Safety the essential requirement of safety in use Grade 4 - Very high corrosion resistance Grade 0 - not suitable for use on burglar-resistant door assemblies | |
| 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door | Grade 7 Passed: below 2Nm | |
| mass 40 kg 5.2 Static load 5.2.1 Load deformation | 80Kg Passed with a displacement under load: (i) vertical 0.34mm; (ii) lateral 0.48mm and a residual displacement after unloading: (i) vertical 0.14mm; (ii) lateral 0.22mm | |
| 5.2.2 Overload 5.3 Shear strength 5.3.1 Lateral deformation maximum 5.3.2 Displacements after test 5.4 Durability 5.4.1 Wear after 200,000 cylces 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of | 0.94mm (i) vertical 0.14mm; (ii) lateral 0.18mm (i) vertical 0.56mm; (ii) lateral 0.22mm Passed: below 2Nm | |
| test 5.5 Corrosion resistance 5.5.1 Salt Spray Test | Passed salt spray test of 240 hrs | |
| Dangerous Substances Annex ZA3 | If a reference to dangerous substances is added in the table ZA.1, the following claim is suggested: Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Daniel Monaghan

Director

CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE



Harmonised technical

specification EN 1935:2002

No. DoP / DH006

1. Unique identification code of the product-type:

XL941 and XL945 stainless steel washered door hinges

- 2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR: XL941 and XL945 stainless steel washered door hinges
- 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): Dale Hardware Ltd

Units 1-3 Sandebds Trading Estate, Ossett, West Yorkshire, WF5 9ND

- Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): N/A
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: System 1
- In case of the declaration of performance concerning a construction product covered by a harmonized standard: EN 1935:2002 Notified Body No. 359 issued the EC Certificate.

Performance

8. European Technical Assessment:

Essential characteristics

N/A

9. Declared performance

| 4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance | Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg Grade 1 - suitable for use on fire/smoke resistant door |
|--|---|
| 4.6 Safety4.7 Corrosion resistance4.8 Security-Burglar-Resistance | assemblies. Grade 1 - Safety the essential requirement of safety in use Grade 4 - Very high corrosion resistance Grade 0 - not suitable for use on burglar-resistant door assemblies |
| 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door | Grade 7 Passed: below 2Nm |
| mass 40 kg 5.2 Static load 5.2.1 Load deformation | 80Kg Passed with a displacement under load: (i) vertical 0.16mm; (ii) lateral 0.30mm and a residual displacement after unloading: |
| 5.2.2 Overload 5.3 Shear strength 5.3.1 Lateral deformation maximum 5.3.2 Displacements after test | (i) vertical 0.08mm; (ii) lateral 0.18mm 120Kg 1.08mm (i) vertical 0.29mm; (ii) lateral 0.20mm |
| 5.4 Durability 5.4.1 Wear after 200,000 cylces 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of | (i) vertical 0.52mm; (ii) lateral 0.16mm Passed: below 2Nm |
| test 5.5 Corrosion resistance 5.5.1 Salt Spray Test | Passed salt spray test of 240 hrs |
| Dangerous Substances Annex ZA3 | If a reference to dangerous substances is added in the table ZA.1, the following claim is suggested: Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material |

standards or any national regulations

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Daniel Monaghan

Director

CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE



Harmonised technical

No. DoP / DH007

1. Unique identification code of the product-type:

XL942 and XL946 stainless steel washered door hinges

- 2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR: XL942 and XL946 stainless steel washered door hinges
- 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturer's fitting instructions.

 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): Dale Hardware Ltd

Units 1-3 Sandebds Trading Estate, Ossett, West Yorkshire, WF5 9ND

- Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): N/A
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: System 1
- In case of the declaration of performance concerning a construction product covered by a harmonized standard: EN 1935:2002 Notified Body No. 359 issued the EC Certificate.

Performance

8. European Technical Assessment:

Essential characteristics

N/A

9. Declared performance

| Essential characteristics | Performance | Harmonised te specification |
|---|---|--------------------------------|
| 4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass | Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg | EN 1935:2002 |
| 4.5 Fire resistance | Grade 1 - suitable for use on fire/smoke resistant door assemblies. | |
| 4.6 Safety | Grade 1 - Safety the essential requirement of safety in use | |
| 4.7 Corrosion resistance | Grade 4 - Very high corrosion resistance | |
| 4.8 Security-Burglar-Resistance | Grade 0 - not suitable for use on burglar-resistant door assemblies | |
| 4.9 Hinge grade | Grade 7 | |
| 5 REQUIREMENTS | | |
| 5.1 Initial friction torque with max. door mass 40 kg | Passed: below 2Nm | |
| 5.2 Static load | 80Kg | |
| 5.2.1 Load deformation | Passed with a displacement under load: | |
| | (i) vertical 0.26mm; (ii) lateral 0.86mm | |
| | and a residual displacement after unloading: (i) vertical 0.14mm: (ii) lateral 0.20mm | |
| | 120Kg | |
| 5.2.2 Overload | TEORY | |
| 5.3 Shear strength | 1.02mm | |
| 5.3.1 Lateral deformation maximum 5.3.2 Displacements after test | (i) vertical 0.14mm; (ii) lateral 0.15mm | |
| 5.4 Durability | | |
| 5.4.1 Wear after 200,000 cylces | (i) vertical 0.42mm; (ii) lateral 0.16mm | |
| 5.4.2 Maximum permissible frictional torque measured after the first 20 | Passed: below 2Nm | |
| cycles and also after completion of | | |
| test | | |
| 5.5 Corrosion resistance | Ddlttttttttt- | |
| 5.5.1 Salt Spray Test | Passed salt spray test of 240 hrs | |
| Dangerous Substances | If a reference to degracine substances is | |
| . 0 | If a reference to dangerous substances is | |
| Annex ZA3 | added in the table ZA.1, the following claim | |
| | is suggested: | |
| | Pass: the materials in the hinge do not | |
| | contain or release any dangerous | |
| | substances in excess of the maximum levels | |
| | specified in existing European material | |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

standards or any national regulations

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Daniel Monaghan

Director