

Declaration of Performance

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
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:
835, 835R, 835x3, 836, 836x3, 837, and 837x3 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.
4. 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 Sandbeds 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
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 1
7. 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.
8. European Technical Assessment:
N/A
9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance 4.6 Safety 4.7 Corrosion resistance 4.8 Security—Burglar—Resistance 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door mass 40 kg 5.2 Static load 5.2.1 Load deformation 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 cycles 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test 5.5 Corrosion resistance 5.5.1 Salt Spray Test Dangerous Substances Annex ZA3	Grade 4 - Severe duty Grade 7 - 200 000 cycles Grade 6 - 120 Kg Grade 1 - suitable for use on fire/smoke resistant door 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 Grade 13 Passed: below 4Nm 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 360Kg 0.74mm (i) vertical 0.04mm; (ii) lateral 0.34mm (i) vertical 0.40mm; (ii) lateral 0.08mm Passed: below 4Nm Passed salt spray test of 240 hrs 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	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.

Signed for and on behalf of the manufacturer by:

Daniel Monaghan
Director

Dale Hardware Limited
Units 1–3 Sandbeds Trading Estate, Ossett, Wakefield WF5 9ND, United Kingdom
23rd January, 2013

Declaration of Performance

CONSTRUCTION PRODUCTS REGULATION
2011 DECLARATION OF PERFORMANCE



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.
4. 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 Sandbeds 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
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 1
7. 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.
8. European Technical Assessment:
N/A
9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance 4.6 Safety 4.7 Corrosion resistance 4.8 Security—Burglar—Resistance 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door mass 40 kg 5.2 Static load 5.2.1 Load deformation 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 cycles 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test 5.5 Corrosion resistance 5.5.1 Salt Spray Test Dangerous Substances Annex ZA3	Grade 3 - Heavy duty Grade 7 - 200 000 cycles Grade 4 - 80 Kg Grade 1 - suitable for use on fire/smoke resistant door 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 Grade 11 Passed: below 3Nm 160Kg 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 240Kg 1.22mm (i) vertical 0.28mm; (ii) lateral 0.18mm (i) vertical 0.58mm; (ii) lateral 0.31mm Passed: below 3Nm Passed salt spray test of 240 hrs 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	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.

Signed for and on behalf of the manufacturer by:

Daniel Monaghan
Director

Dale Hardware Limited
Units 1–3 Sandbeds Trading Estate, Ossett, Wakefield WF5 9ND, United Kingdom
23rd January, 2013

Declaration of Performance

CONSTRUCTION PRODUCTS REGULATION
2011 DECLARATION OF PERFORMANCE



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.
4. 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 Sandbeds 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
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 1
7. 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.
8. European Technical Assessment:
N/A
9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance 4.6 Safety 4.7 Corrosion resistance 4.8 Security—Burglar—Resistance 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door mass 40 kg 5.2 Static load 5.2.1 Load deformation 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 cycles 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test 5.5 Corrosion resistance 5.5.1 Salt Spray Test Dangerous Substances Annex ZA3	Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg Grade 1 - suitable for use on fire/smoke resistant door 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 Grade 7 Passed: below 2Nm 80Kg 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 120Kg 1.23mm (i) vertical 0.32mm; (ii) lateral 0.36mm (i) vertical 0.38mm; (ii) lateral 0.18mm Passed: below 2Nm Passed salt spray test of 240 hrs 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	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.
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Signed for and on behalf of the manufacturer by:

Daniel Monaghan
Director

Dale Hardware Limited
Units 1–3 Sandbeds Trading Estate, Ossett, Wakefield WF5 9ND, United Kingdom
23rd January, 2013

Declaration of Performance

CONSTRUCTION PRODUCTS REGULATION
2011 DECLARATION OF PERFORMANCE



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.
4. 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 Sandbeds 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
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 1
7. 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.
8. European Technical Assessment:
N/A
9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance 4.6 Safety 4.7 Corrosion resistance 4.8 Security—Burglar—Resistance 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door mass 40 kg 5.2 Static load 5.2.1 Load deformation 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 cycles 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test 5.5 Corrosion resistance 5.5.1 Salt Spray Test Dangerous Substances Annex ZA3	Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg Grade 1 - suitable for use on fire/smoke resistant door 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 Grade 7 Passed: below 2Nm 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 120Kg 1.02mm (i) vertical 0.23mm; (ii) lateral 0.24mm (i) vertical 0.38mm; (ii) lateral 0.18mm Passed: below 2Nm Passed salt spray test of 240 hrs 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	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.
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Signed for and on behalf of the manufacturer by:

Daniel Monaghan
Director

Dale Hardware Limited
Units 1–3 Sandbeds Trading Estate, Ossett, Wakefield WF5 9ND, United Kingdom
23rd January, 2013

Declaration of Performance

CONSTRUCTION PRODUCTS REGULATION
2011 DECLARATION OF PERFORMANCE



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
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.
4. 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 Sandbeds 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
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 1
7. 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.
8. European Technical Assessment:
N/A
9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance 4.6 Safety 4.7 Corrosion resistance 4.8 Security—Burglar—Resistance 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door mass 40 kg 5.2 Static load 5.2.1 Load deformation 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 cycles 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test 5.5 Corrosion resistance 5.5.1 Salt Spray Test Dangerous Substances Annex ZA3	Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg Grade 1 - suitable for use on fire/smoke resistant door 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 Grade 7 Passed: below 2Nm 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 120Kg 0.94mm (i) vertical 0.14mm; (ii) lateral 0.18mm (i) vertical 0.56mm; (ii) lateral 0.22mm Passed: below 2Nm Passed salt spray test of 240 hrs 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	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.
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Daniel Monaghan
Director

Dale Hardware Limited
Units 1–3 Sandbeds Trading Estate, Ossett, Wakefield WF5 9ND, United Kingdom
23rd January, 2013

Declaration of Performance

CONSTRUCTION PRODUCTS REGULATION
2011 DECLARATION OF PERFORMANCE



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.
4. 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 Sandbeds 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
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 1
7. 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.
8. European Technical Assessment:
N/A
9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance 4.6 Safety 4.7 Corrosion resistance 4.8 Security—Burglar—Resistance 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door mass 40 kg 5.2 Static load 5.2.1 Load deformation 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 cycles 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test 5.5 Corrosion resistance 5.5.1 Salt Spray Test Dangerous Substances Annex ZA3	Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg Grade 1 - suitable for use on fire/smoke resistant door 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 Grade 7 Passed: below 2Nm 80Kg Passed with a displacement under load: (i) vertical 0.16mm; (ii) lateral 0.30mm and a residual displacement after unloading: (i) vertical 0.08mm; (ii) lateral 0.18mm 120Kg 1.08mm (i) vertical 0.29mm; (ii) lateral 0.20mm (i) vertical 0.52mm; (ii) lateral 0.16mm Passed: below 2Nm Passed salt spray test of 240 hrs 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	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.

Signed for and on behalf of the manufacturer by:

Daniel Monaghan
Director

Dale Hardware Limited
Units 1–3 Sandbeds Trading Estate, Ossett, Wakefield WF5 9ND, United Kingdom
23rd January, 2013

Declaration of Performance

CONSTRUCTION PRODUCTS REGULATION
2011 DECLARATION OF PERFORMANCE



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.
4. 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 Sandbeds 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
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 1
7. 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.
8. European Technical Assessment:
N/A
9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
4 CLASSIFICATION 4.2 Category of use 4.3 Durability 4.4 Test door mass 4.5 Fire resistance 4.6 Safety 4.7 Corrosion resistance 4.8 Security–Burglar–Resistance 4.9 Hinge grade 5 REQUIREMENTS 5.1 Initial friction torque with max. door mass 40 kg 5.2 Static load 5.2.1 Load deformation 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 cycles 5.4.2 Maximum permissible frictional torque measured after the first 20 cycles and also after completion of test 5.5 Corrosion resistance 5.5.1 Salt Spray Test Dangerous Substances Annex ZA3	Grade 2 - Medium duty Grade 7 - 200 000 cycles Grade 2 - 40 Kg Grade 1 - suitable for use on fire/smoke resistant door 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 Grade 7 Passed: below 2Nm 80Kg 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 1.02mm (i) vertical 0.14mm; (ii) lateral 0.15mm (i) vertical 0.42mm; (ii) lateral 0.16mm Passed: below 2Nm Passed salt spray test of 240 hrs 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	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.
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Daniel Monaghan
Director

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23rd January, 2013