



# CERTIFICATE

**The TÜV CERT Certification Body  
of TÜV Industrie Service GmbH**

**Unternehmensgruppe TÜV Rheinland Group**

**certifies in accordance with  
TÜV CERT procedures that**



**Niedax GmbH & Co. KG  
Ges. für Verlegungsmaterial  
Asbacher Str. 141  
D-53545 Linz/Rh.**

**has established and applies a quality management system for  
development, production and sale of cable management  
systems including hot - dip galvanizing**

**An audit was performed, Report No. 5506**

**Proof has been furnished that the requirements according to**

**DIN EN ISO 9001:2000**

**are fulfilled.**

**The certificate is valid until 31. Mai 2008**

**Certificate Registration No. 01 100 5506**



**Cologne, 2005-10-04**



**TÜV Rheinland Group**

*Teckhoff*

**TÜV CERT Certification Body of  
TÜV Industrie Service GmbH**

**First certification 1995**



# CERTIFICATE

The TÜV CERT Certification Body  
of TÜV Rheinland Cert GmbH

certifies in accordance with  
TÜV CERT procedures that



**Niedax Galvanik GmbH**  
Königswinterer Str. 87  
D - 53227 Bonn

has established and applies a quality management system for

**surface refinement, electroplating**

An audit was performed, Report No. **5506**.

Proof has been furnished that the requirements according to

**DIN EN ISO 9001:2000**

are fulfilled. This certificate is valid in  
conjunction with the main certificate until **2011-05-31**.

Certificate Registration No. **09 100 5506/4**



Cologne, 2008-06-20



**TÜVRheinland®**

TÜV CERT Certification Body  
of TÜV Rheinland Cert GmbH



CERTIFICATE NUMBER

07-HG255041-PDA

DATE

04 July 2007

ABS TECHNICAL OFFICE

Hamburg Engineering Services

# CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of

**NIEDAX GmbH & Co. KG**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

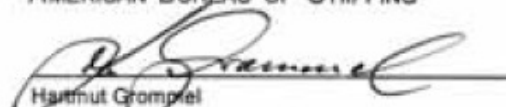
PRODUCT: Cable Supports

MODEL: KLMU 40, RSX 60, RSX 110, GRS 110, GRSX 60

ABS RULE: 2007 Steel Vessel Rules, 1-1-4/7.7, 4-8-4/21.9.1  
2006 MCDU Rules, 4-3-3/5.9.1b

OTHER STANDARD: UL/ CSA Approbation E233344; IEC Publication 61537,

AMERICAN BUREAU OF SHIPPING

  
Hartmut Grompel  
Engineering Type Approval Co-ordinator



Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

## DIN EN IEC 61537:2002-09

is the Global Standard for Cable Tray and Cable Ladder Systems for Cable Management and specifies requirements and tests for cable tray systems (such as all metal cable trays including wire mesh cable tray and cable ladders) for the support, accommodation of cables and possibly other electrical equipment in electrical and/or communications systems installations.

All Niedax Support Systems are manufactured and tested in accordance with DIN EN IEC 61537 by Niedax GmbH & Co. KG in Linz/Germany.

The safe working load as defined by the standard is the lowest value of either the load creating a deflection of  $L/20$  at the end or the breaking load divided by 1.7 if the deflection is not reached.

All Niedax Cable Tray and Ladder Systems are manufactured and tested in accordance with DIN EN IEC 61537 by Niedax GmbH & Co. KG in Linz/Germany.

Testing is done with an equally balanced load and a splice located in the middle of the span. The safe working load is the smallest value of either the load creating a deflection of  $1/100$ th of the span or the breaking load divided by 1.7. While the standard is requiring just  $1/100$ th, Niedax is even more demanding and has reduced this figure to  $1/200$ th.

## EC - Declaration of Conformity

Document-No./

Month, Year: **0040/ 03.03**

Manufacturer/Address: **NIEDAX GmbH & Co. KG  
Asbacher Str. 141  
D - 53545 Linz am Rhein**

Product description: Wire Basket Systems Galvanized according to DIN 50961 or Hot Dip Galvanized after Fabrication according to DIN EN ISO 1461 or Stainless Steel No. 1.4301 (AISI Type 304 H) as an light, medium, standard, heavy duty version and system components: Splice Plates, Connector Plates, Barrier Strips and Hardware

Article No.: GR 35..., GR 60..., GRS 60..., GRC 60..., GRL 60.090, GR 85... and system components: GRVS..., GRV..., GRVC 14, GRWB 10, GRKB 10 GRSM 6, GRK 25

The described product conforms to the regulations of the following European directives:

Reference: **2006/95/EC**

**„Directive of the Council for the Harmonisation of the Member State Regulations concerning the utilisation of electrical equipment within defined voltage ranges“**

Further details with respect to complying with this directive are contained in the appendix

Affixing the CE-identification label <sup>1)</sup>: **1996**

Manufacturer: **NIEDAX GmbH & Co. KG**

Place, Date: Linz am Rhein, 28.07.2010

Signature  
Management: \_\_\_\_\_

  
GmbH & Co. KG  
Postfach 96 - 53542 Linz-Rhein  
53545 LINZ AM RHEIN

The appendices are an integral part of this declaration

This declaration certifies the conformity with the above directives, however, does not include a guarantee about properties

The safety instructions contained in the supplied product documentation have to be observed.

<sup>1)</sup> Limited to the low voltage directive.

## Appendix to the EC - Declaration of Conformity

Document-No./

Month.Year:

**0040/ 03.03**

Product description: Wire Basket Systems Galvanized according to DIN 50961 or Hot Dip Galvanized after Fabrication according to DIN EN ISO 1461 or Stainless Steel No. 1.4301 (AISI Type 304 H) as an light, medium, standard, heavy duty version and system components: Splice Plates, Connector Plates, Barrier Strips and Hardware

The conformity of the described product respectively the product programme with the regulations of the directive No. **2006/95/EC** has been demonstrated by the complete or partial compliance with the following standards:

### Harmonised European Standard:

Reference No.	Date of issue	Reference No.	Date of issue
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EN 61537	2002-10		
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### National Standards:

Reference No.	Date of issue	Reference No.	Date of issue
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### IEC - Standards:

Reference No.	Date of issue	Reference No.	Date of issue
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IEC 61537	2001		
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For any processing of non-independent equipment (components) the pertinent rules of manufacturing have to be observed. For any integration in appliances and electric plants the current rules for the respective appliance or plant will apply.

# EC - Declaration of Conformity

Document-No./

Month, Year: **0044/ 03.03**

Manufacturer/Address: **NIEDAX GmbH & Co. KG  
Asbacher Str. 141  
D - 53545 Linz am Rhein**

Product description: Cable Tray Systems perforated and non-perforated, Pre-Galvanized according to DIN EN 10142 or Hot Dip Galvanized after Fabrication according to DIN EN ISO 1461 or Stainless Steel No. 1.4301 (AISI Type 304 H) or Stainless Steel 1.4571 (AISI Type 316 Ti) as an light, medium, standard and heavy duty version and system components: Covers, Fittings, Splice Plates, Apparatus Mounting device, Edge Protection Plate, Barrier Strips Reducer/End-Plates and Turn Bolt Locks

Article No.: RL/RLU 35..., RL/RLU 50..., RSV 50..., RLV 60..., RL/RLU 60..., RS/RSU 60..., RL/RLU 85..., RL/RLU 110..., RS/RSU 110..., RSV 110..., RD..., RDV..., RDSV..., RTAKD..., RTAKDV..., RTSKD..., RTSKDV..., RESKD..., RESKDV..., RTAD..., RTADV..., RBAD..., RBADV..., RESD..., RESDV..., RTSD..., RTSDV..., RKSD..., RKSDV..., RTAK..., RTSK..., RESK..., RTA..., REK..., RBA..., RES..., RTS..., RKS..., RGS..., RGE..., RTL..., RTQ..., RSD..., RFD..., RFB..., RSB..., RV..., RVV..., RGV..., RMP 130, RKB..., RW..., RA/RAW... and RDRS...

The described product conforms to the regulations of the following European directives:

**2006/95/EC**

**„Directive of the Council for the Harmonisation of the Member State Regulations concerning the utilisation of electrical equipment within defined voltage ranges“**

Further details with respect to complying with this directive are contained in the appendix

Affixing the CE-identification label <sup>1)</sup>: **1996**

Manufacturer: **NIEDAX GmbH & Co. KG**

Place, Date: Linz am Rhein, 25.07.2008

Signature

Management:

 **NIEDAX®**  
GmbH + Co. KG  
Postfach 86 - 53542 Linz-Rhein  
53545 LINZ AM RHEIN

The appendices are an integral part of this declaration

This declaration certifies the conformity with the above directives, however, does not include a guarantee about properties

The safety instructions contained in the supplied product documentation have to be observed.

<sup>1)</sup> Limited to the low voltage directive.

## Appendix to the EC - Declaration of Conformity

Document-No./

Month.Year:

**0044/ 03.03**

Product description: Cable Tray Systems Pre-Galvanized according to DIN EN 10142 or Hot Dip Galvanized after Fabrication according to DIN EN ISO 1461 or Stainless Steel No. 1.4301 (AISI Type 304 H) or Stainless Steel 1.4571 (AISI Type 316 Ti) as an light, medium, standard and heavy duty version and system components: Covers, Fittings, Splice Plates, Apparatus Mounting device, Edge Protection Plate, Barrier Strips Reducer/End-Plates and Turn Bolt Locks

The conformity of the described product respectively the product programme with the regulations of the directive No. 2006/95/EC has been demonstrated by the complete or partial compliance with the following standards:

### Harmonised European Standard:

Reference No.	Date of issue	Reference No.	Date of issue
EN 61537	2007-09		

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### National Standards:

Reference No.	Date of issue	Reference No.	Date of issue

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### IEC - Standards:

Reference No.	Date of issue	Reference No.	Date of issue
IEC 61537	2006		

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For any processing of non-independent equipment (components) the pertinent rules of manufacturing have to be observed. For any integration in appliances and electric plants the current rules for the respective appliance or plant will apply.