

# EU RO MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE

Certificate No:  
**MRE000000D**  
File No:  
**MR-E018**  
Job Id:  
**262.4-000085-2**

This Certificate is issued to

**BAKS - Kazimierz Sielski Profesjonalne Systemy Tras  
Kablowych  
Karczew, Poland**

for

**Cable Trays and Ducts (Metallic)**

with type designation(s)

**Cable Tray**

The product is found to comply with

**EU RO Mutual Recognition Technical Requirements for Cable Trays and Ducts (Metallic)**

Intended service

**Cable trays and ducts intended to be used in ship's cabling systems necessary for the  
applications mentioned in 1.b in the TA program.**

This Certificate is valid until **2023-03-12**.

Issued at **Høvik** on **2018-03-13**

DNV GL local station: **Gdansk CMC**

Approval Engineer: **Nicolay Horn**

for **DNV GL**

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**Andreas Kristoffersen**  
**Head of Section**

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The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Certificate No: **MRE000000D**  
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## Product description

Type Designation	KMSP
Application	Cable tray (perforated) for both indoor and outdoor installation.
Material	Hot-Dip Galvanized steel, Stainless Steel ASI304 304L, 316, 316 L, 316Ti or Stainless Steel acc to AISI and PN-EN ISO 10088
Flame Propagation	Non-flame propagation
Electrical Continuity	With electrical continuity characteristics
Electrical Conductivity	Electrical Conductivity
Temperature	Min. : -105 °C Max. : 90 °C
Impact Resistance	20 J

Product symbol	Width (mm)	Material thickness (mm)	Safe Working Load (kg / m)	Length (mm)
KMSP75H15/2	75	1.5 ± 0.2 mm	According to SWL diagram in manufacturer catalogue	Max. 3000
KMSP100H15/2	100	1.5 ± 0.2 mm		Max. 3000
KMSP125H15/2	125	1.5 ± 0.2 mm		Max. 3000
KMSP150H15/2	150	1.5 ± 0.2 mm		Max. 3000
KMSP200H15/2	200	1.5 ± 0.2 mm		Max. 3000
KMSP250H15/2	250	1.5 ± 0.2 mm		Max. 3000
KMSP300H15/2	300	1.5 ± 0.2 mm		Max. 3000

Type Designation	KMSPP
Application	Cable tray (perforated) for both indoor and outdoor installation.
Material	Hot-Dip Galvanized steel, Stainless Steel ASI304 304L, 316, 316 L, 316Ti or Stainless Steel acc to AISI and PN-EN ISO 10088
Flame Propagation	Non-flame propagation
Electrical Continuity	With electrical continuity characteristics
Electrical Conductivity	Electrical Conductivity
Temperature	Min. : -105 °C Max. : 90 °C
Impact Resistance	20 J

Product symbol	Width (mm)	Material thickness (mm)	Safe Working Load (kg / m)	Length (mm)
KMSPP75H15/2	75	1.5 ± 0.2 mm	According to SWL diagram in manufacturer catalogue	Max. 3000
KMSPP100H15/2	100	1.5 ± 0.2 mm		Max. 3000
KMSPP125H15/2	125	1.5 ± 0.2 mm		Max. 3000
KMSPP150H15/2	150	1.5 ± 0.2 mm		Max. 3000
KMSPP200H15/2	200	1.5 ± 0.2 mm		Max. 3000
KMSPP250H15/2	250	1.5 ± 0.2 mm		Max. 3000
KMSPP300H15/2	300	1.5 ± 0.2 mm		Max. 3000

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## **Manufactured by**

BAKS - Kazimierz Sielski Profesjonalne Systemy Tras Kablowych  
Karczew, Poland

## **Application/Limitation**

The installation is to be mechanically protected in accordance with DNV GL Rules and especially on weather decks in cargo hold areas and through cargo holds.

Cable trays must not to be used as a walkway.

## **Type Approval documentation**

Manufacturer products catalogue (products data sheets) issued 2018-02-16

BBJ Test report nos. LA-17.108/1/E and LA-17.108/2/E issued 2017-10-25.

BAKS Protocol of Dururability Test doc. No. F-8.2.4-01-04/III issued 2018.02-12

## **Marking of product**

Manufacturer name – Type designation – Materia – Width – Height.

## **Other Conditions**

Type tests according to IEC 61537.

## **Periodical assessment**

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that design and materials used comply with type approved documents
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed annually and at renewal of this certificate.

END OF CERTIFICATE

# EU RO MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE

Certificate No:  
**MRE000000E**  
File No:  
**MR-E018**  
Job Id:  
**262.4-000085-2**

This Certificate is issued to

**BAKS - Kazimierz Sielski Profesjonalne Systemy Tras  
Kablowych  
Karczew, Poland**

for

**Cable Trays and Ducts (Metallic)**

with type designation(s)

**Cable Ladder**

The product is found to comply with

**EU RO Mutual Recognition Technical Requirements for Cable Trays and Ducts (Metallic)**

Intended service

**Cable trays and ducts intended to be used in ship's cabling systems necessary for the  
applications mentioned in 1.b in the TA program.**

This Certificate is valid until **2023-03-12**.

Issued at **Høvik** on **2018-03-13**

DNV GL local station: **Gdansk CMC**

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## Product description

Type Designation	DOPZ
Application	Cable ladder for both indoor and outdoor installation.
Material	Hot-Dip Galvanized steel, Stainless Steel ASI304 304L, 316, 316 L, 316Ti or Stainless Steel acc to AISI and PN-EN ISO 10088
Flame Propagation	Non-flame propagation
Electrical Continuity	With electrical continuity characteristics
Electrical Conductivity	Electrical Conductivity
Temperature	Min. : -105 °C Max. : 90 °C
Impact Resistance	20 J

Product symbol	Width (mm)	Material thickness (mm)	Safe Working Load (kg / m)	Length (mm)
DOPZ100H30/3	100	5 ± 0.2 mm	According to SWL diagram in manufacturer catalogue	Max. 3000
DOPZ200H30/3	200	5 ± 0.2 mm		Max. 3000
DOPZ300H30/3	300	5 ± 0.2 mm		Max. 3000

Type Designation	DOZ
Application	Cable ladder for both indoor and outdoor installation.
Material	Hot-Dip Galvanized steel, Stainless Steel ASI304 304L, 316, 316 L, 316Ti or Stainless Steel acc to AISI and PN-EN ISO 10088
Flame Propagation	Non-flame propagation
Electrical Continuity	With electrical continuity characteristics
Electrical Conductivity	Electrical Conductivity
Temperature	Min. : -105 °C Max. : 90 °C
Impact Resistance	20 J

Total width (mm)	Width (mm)	Material thickness (mm)	Safe Working Load (Kg / m)	Length (mm)
DOZ100H30/3	100	5 ± 0.2 mm, 3 ± 0.2 mm	According to SWL diagram in manufacturer catalogue	Max. 3000
DOZ200H30/3	200	5 ± 0.2 mm, 3 ± 0.2 mm		Max. 3000
DOZ300H30/3	300	5 ± 0.2 mm, 3 ± 0.2 mm		Max. 3000
DOZ400H30/3	400	5 ± 0.2 mm, 3 ± 0.2 mm		Max. 3000
DOZ500H30/3	500	5 ± 0.2 mm, 3 ± 0.2 mm		Max. 3000
DOZ600H30/3	600	5 ± 0.2 mm, 3 ± 0.2 mm		Max. 3000
DOZ700H30/3	700	5 ± 0.2 mm, 3 ± 0.2 mm		Max. 3000
DOZ800H30/3	800	5 ± 0.2 mm, 3 ± 0.2 mm		Max. 3000
DOZ900H30/3	900	5 ± 0.2 mm, 3 ± 0.2 mm		Max. 3000
DOZ1000H30/3	1000	5 ± 0.2 mm, 3 ± 0.2 mm		Max. 3000
DOZ100H40/3	100	5 ± 0.2 mm	According to SWL diagram in manufacturer catalogue	Max. 3000
DOZ200H40/3	200	5 ± 0.2 mm		Max. 3000
DOZ300H40/3	300	5 ± 0.2 mm		Max. 3000
DOZ400H40/3	400	5 ± 0.2 mm		Max. 3000
DOZ500H40/3	500	5 ± 0.2 mm		Max. 3000
DOZ600H40/3	600	5 ± 0.2 mm		Max. 3000
DOZ700H40/3	700	5 ± 0.2 mm		Max. 3000
DOZ800H40/3	800	5 ± 0.2 mm		Max. 3000
DOZ900H40/3	900	5 ± 0.2 mm		Max. 3000
DOZ1000H40/3	1000	5 ± 0.2 mm		Max. 3000

Certificate No: **MRE000000E**  
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## **Manufactured by**

BAKS - Kazimierz Sielski Profesjonalne Systemy Tras Kablowych  
Karczew, Poland

## **Application/Limitation**

The installation is to be mechanically protected in accordance with DNV GL Rules and especially on weather decks in cargo hold areas and through cargo holds.

Cable ladders must not to be used as a walkway.

Type Approval documentation

Manufacturer products catalogue (products data sheets) issued 2018-02-16.

BBJ Test report nos. LA-17.108/1/E and LA-17.108/2/E issued 2017-10-25.  
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END OF CERTIFICATE



# CERTIFICATE

No.: TM 61000338.001



## Licence holder

BAKS KAZIMIERZ SIELSKI  
Ul. Jagodne 5  
05-480 Karczew, PL

## Manufacturing plant

BAKS KAZIMIERZ SIELSKI  
Ul. Jagodne 5  
05-480 Karczew, PL

## Project number

26100349

## Our reference

SD/39045572

## Certificate validity period

from 13.07.2017 to 12.07.2022

## Basis of research

PN-EN 61537:2007 Cable management. Cable tray systems and cable ladder systems

**TÜV Rheinland Polska Sp. z o.o. declares that the product described below meets the requirements contained in the reference documents:**

Metal cable tray systems:

- Marine cable trays and cable ladders
- Fittings, load-bearing structures and other cable trunking accessories according to the catalogue BAKS 2017/2018 edition 04.2017.

## TÜV Rheinland Polska Sp. z o.o.

ul. 17 Stycznia 56,  
02-146 Warszawa, Polska  
Tel.: (+48/22) 846 79 99  
Tel.: (+48/22) 868 37 42  
e-mail: post@pl.tuv.com



Product certification body

Tomasz Opaszowski

Warsaw, 13.07.2017

This certificate is subject to the Certification Terms and Conditions and the JCW TRP General Transaction Conditions and applies only to the products that are compliant with the standard used for compliance assessment. This certificate alone does not entitle the holder to affix the CE mark.  
This certificate entitles the holder to affix the product with the TUV mark.



Safety  
Regular  
Production  
Surveillance



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