

Approval Certificate



This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the GL Approval System.

Certificate No. **37 038 - 12 HH**

Company **Sikla GmbH**

**In der Lache 17
78056 VS-Schwenningen, GERMANY**

Product **Support System with Accessories**

Type **Pressix CC 41**

Technical Data /
Application

TECHNICAL DATA

The support system 41 consist of Mounting rails and Accessories, Mounting brackets, Pipe clamps of type Stabil and Stabil D-3G, Ventilation Accessories, HP-Clamps, Silencer Elements and Standard Parts as specified in catalogue "Schiffbau", issue 03/2012.

Size range of pipe clamps:

- Stabil D-3G up to 305mm

- Stabil up to 250mm

Rubber qualities: NBR, Silicone, SBR/EPDM

Corrosion protection: Galvanised, Hot dip coating, HCP acc. to drawing 027/07.

RANGE OF APPLICATION

The support system 41 and its accessories is approved for setting up of support systems on ships and other structures classed by Germanischer Lloyd. For each application the data specified in the Sikla catalogue "Schiffbau Montagekataloge" is to be observed in conjunction with the latest product data sheets.

Approval Standard

RAL GZ 655, VdS 2344, DIN EN 12311-1, IMO FTPC Part 2, Vibration and shock acc. to test specification of German Navy Korvette K130, WTD 71

Documents

- Test reports refer to page 3

- GL Approval Ref.-No.: GL Approval Ref.-No.: 12-013119, 12-006961, 11-151561

Remarks

None

Valid until

2017-03-28

File No. **XLB.03**

Germanischer Lloyd

Hamburg, 2012-11-09

Hanspeter Raschle

Hagen Markus

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MATERIAL SPECIFICATION

Rolled or edge-profiled sheet material:

- Carbon steel , galvanized, continuously hot - dip coated or high corrosion protection (HCP). Reference Sikla drawing 027/07.
- Stainless steel qualities 1.4301, 1.4362, 1.4401/ 1.4404 and 1.4571

Detailed material specification as specified in the test reports mentioned below.

- Rubber qualities: NBR, Silicone, SBR/EPDM

MARKING

Manufacturer's Mark - Typ - Material/Corrosion protection - Production date (month/year) - sikla - 41/41/2,5 - VAMHCP - 05/10

Test reports:

Mounting Rails

- Bending test acc. to RAL-GZ 655
MPA TU Braunschweig - 1227/039/09-a-Gra, dated 2009-07-27

Mounting Rail Accessories

- Mounting Rail Accessories evaluation acc. to RAL GZ 655 Part D
MPA TU Braunschweig - 1502/314/09 - Gra dated 2009-12-09

Mounting Brackets

- Mounting Brackets type test acc. to RAL GZ 655, Part E
MPA TU Braunschweig - 1534/346/09 -Gra dated 2010-01-04

Pipe clamp D-3G

- Load test according to RAL-GZ 655, Part B
MPA TU Braunschweig - 1063/875/09-c-Gra, dated 2009-08-17
- Fire resistance test acc. to DIN EN 1363-1
MPA TU Braunschweig - 3464/7082-1 - CM dated 2003-11-03
- Vibration and shock test
Test reports WTD 71-0172/2007, 0020/2009
- VdS Certificate G 4920027
Size range DN 20 up to DN 150
- VdS Certificate G 4950064
Size range DN 20 up to DN 150 with noise insulation
- FM test report J.I. OT2AO.AH dated 1990-05-31
Size range 1 to 6 inch
- Rubber elements NBR, EPDM, Silicone
Smoke generation acc. to IMO STP Code , Part 2
TÜV NORD TN09/6368.1, 2

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Pipe clamp Stabil

- FM test report J.I. OM6A 7.AH dated 1985-07-26

Size range 3/4 to 10 inch

Girder clamp TCS

VdS Certificates

- TCS 0 - G4830054 (up to DN 100)
- TCS OLC - G4950065 (up to DN 100)
- TCS OLC M10 vertical up to 150mm - G4950066 (up to DN 50)
- TCS OLC M10 vertical up to 120mm - G4820023 (up to DN 50)
- TCS I M10/M12 - G4990027 (up to DN 150)
- TCS I - G4800039 (up to DN 65)
- TCS I with securing clip - G4800040 (up to DN 100)
- TCS II with securing clip - G4800042 (DN 125-200)
- TCS cross beam pipe support - G4800043 (up to DN 200)
- TCS double pipe support - G4800044 (up to DN 200)
- TCS overhanging cross beam - G4800045 (up to DN 200)

FM Approval Report , Project ID 3020147

Approved size range 3/4 inch to 8 inch

Universal pin point UG

VdS Certificate

- UG M8/M10/M12/M16 - G4980055

Noise reduction elements SDE 2 (PUR)

- Fraunhofer Institut - Stuttgart - Report P-BA 330/1999

HCP corrosion protection system

- MPA Stuttgart test reports acc. to DIN EN ISO 9227

Test report 901 4834 000 / Bf

Test report 901 2659 000 / Bf

- SLV Mannheim inspection report no.: 2.11468 , dated 2012-05-22, subject over welding capability

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