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APPROVAL REPORT

**PIPE HANGERS FOR FIRE PROTECTION
SPRINKLER SYSTEMS MODEL 125806
TRAPEZOID PIPE HANGER, FOR USE
WITH 3/4 INCH (20 MM) THROUGH 3 INCH (80 MM)
NOMINAL SIZE PIPE.**

Prepared for:

**Sikla GmbH & Co. KG
Schillerstabe 5
Hausen OV, Germany 78595**

Project ID: 3027451

Class: 1951

Date of Approval: August 29, 2007

Authorized by:

Richard B. Dunne
Richard B. Dunne, Manager-Hydraulics Group

**PIPE HANGERS FOR FIRE PROTECTION SPRINKLER MODEL 125806
TRAPEZOID PIPE HANGER, FOR USE
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from

**Sikla GmbH & Co. KG
Schillerstabe 5
Hausen OV, Germany 78595**

I INTRODUCTION

- 1.1 Sikla GmbH & Co.KG, Schillerstabe 5, Hausen OV, Germany 78595 requested an Approval examination of their Model 125806 Trapezoid Pipe Hanger, for use with 3/4 inch (20 mm) through 3 inch (80 mm) nominal size pipe. The Model 125806 Trapezoid Pipe Hanger discussed in this report is manufactured at the Hausen OV, Germany facility.
- 1.2 This Report is limited to the examination of the pipe hangers in accordance with the standard listed below as described in Section 1.4 of this Report
- 1.3 This Report may be freely reproduced only in its entirety and without modification.
- 1.4 **Standards**

Title	Class Number	Date
Pipe Hanger Components for Automatic Sprinkler Systems	1951, 1952, 1953	September 2003

- 1.5 The products will appear in the Approval Guide as follows :

Sikla GmbH & Co KG, Schillerstraße 5, 78595 Hausen OV, Germany

Product Designation	Hanger Rod Size, mm	Component Description	For Nominal Pipe Sizes, in.
125806	10	Trapezoid Pipe Hanger	3/4 through 3

II DESCRIPTION

The Model 125806 Trapezoid Pipe Hanger is manufactured from strip carbon steel and zinc coated. The Model 125806 Trapezoid Pipe Hanger utilize a nominal $\frac{3}{8}$ inch (10mm) hanger rod, for use with $\frac{3}{4}$ inch (20mm) through 3 inch (80mm) nominal size pipe. The Model 125806 Trapezoid Pipe Hanger is designed for use on trapezoid shaped steel decking, with a minimum thickness of 19 gage.

III EXAMINATIONS AND TESTS

- 3.1 Sample pipe hanger models as detailed below were submitted for examination and testing. The samples were considered to be representative of the product line and were examined, tested, and compared to the manufacturer's drawings. All data is on file at FM Approvals along with other documents and correspondence applicable to this program.
- 3.2 Tensile tests, described in section 3.3 were conducted in order to determine the ability of the pipe hanger components to support five times the weight of water filled Schedule - 40 steel pipe plus 250 lb. (93.3 kg) with a hanger spacing of 12 ft. (3.7 m) without exceeding a displacement of 3/16-inch (4.76 mm) in the direction of the load.
- 3.3 Samples of the Model 125806 Trapezoid Pipe Hanger were installed in 19 gauge steel decking and subsequently were tensile load and maximum elongation tested at the load rating for use with $\frac{3}{4}$ inch (20mm) through 3 inch (80mm nominal size pipe were tested. The samples tested, successfully passed the requirements of tensile load and maximum elongation. The results of these tests were deemed satisfactory.

IV MARKING

Stamped on the pipe hanger is the manufacturer logo, the product designation, the product size, other testing organization marks, and the FM Approvals Mark of Approval.

V REMARKS

The pipe hangers described in this Report are Approved only when manufactured at the following facility:

Schillerstraße 5, 78595
Hausen OV, Germany

VI FACILITIES AND PROCEDURES AUDIT

The manufacturing at the Schillerstraße 5, 78595 Hausen OV, Germany facility is currently included in FM Approval's Facilities and Procedures Audit program. The addition of the products, examined within this Report represent no change to manufacturing or quality control procedures. The facilities and quality control procedures in place have been found to be satisfactory to manufacture product identical to that examined and tested as described in this Report.

VII MANUFACTURERS RESPONSIBILITIES

Documentation considered critical to this Approval is on file at FM Approvals and listed in the Documentation File, Section VIII of this Report. No changes of any nature shall be implemented unless notice of the proposed change has been given and written authorization obtained from FM Approvals. The Approved Product Revision Report, Form 797, shall be forwarded to FM Approvals as notice of proposed changes.

VIII DOCUMENTATION

The following drawings describe the pipe hanger components listed in Section 1.5 of this Report and are maintained on file in the Hydraulics Information Center under Project Identifier 3027451.

Drawing No.	Drawing Title	Revision
007/93	Trapezoid Roof Hanger 1	G
005/93	Trapezoid Roof Hanger 2	M
035/06	Trapezoid Roof Hanger 3	B

IX CONCLUSION

The pipe hanger components described in Section 1.5 of this Report meet FM Approvals requirements. Since a duly signed Master Agreement is on file for this manufacturer, Approval is effective the date of this report.

EXAMINATION: Robert L. Ilewicz

TESTING BY: John Normington

TESTING WITNESSED BY: Robert L. Ilewicz

PROJECT DATA RECORD: 3027451

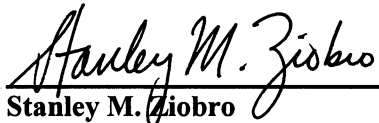
ORIGINAL TEST DATA: 3027451

REPORT BY:

REPORT REVIEWED BY:



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