

NOT to be distributed outside the FACTORY MUTUAL SYSTEM, except by CLIENT.

PIPE HANGER COMPONENTS
FOR
AUTOMATIC SPRINKLER SYSTEM
"STABIL" D-3G, GROUP 1240
PIPE CLAMPS

from

SIKLA GmbH & CO. KG
POSTFACH 1354
D-7208 SPAICHINGEN
WEST GERMANY

J.I. 0T2A0.AH
(1951)

May 31, 1990



Factory Mutual Research

1151 Boston-Providence Turnpike
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Norwood, Massachusetts 02062



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I INTRODUCTION

1.1 Sikla GmbH & Co. KG, requested an Approval examination of their "Stabil" D-3G, Group 1240 pipe clamp hangers for use in supporting automatic sprinkler system piping.

1.2 The "Stabil" D-3G pipe clamps are Approved in nominal pipe sizes (NPS) 1 through 6 inch and when properly installed using other Approved pipe hanger components, will support sprinkler piping in 1 through 6 inch NPS.

II DESCRIPTION

2.1 The attached manufacturer's data sheet shows a view of the pipe clamps along with other pertinent information regarding clamp pipe size and hanger rod sizes.

2.2 The clamps are stamped from DN 1302 steel and are then galvanized. The nuts and bolts used to clamp the two halves together are also galvanized steel. The 1 through 2 inch NPS clamps have a female, M10 nominal size, threaded receptacle for attachment of the minimum nominal size M10 hanger rod. The 2-1/2 through 4 inch NPS clamps can receive M10 or M12 nominal size hanger rod and the 5 and 6 inch NPS clamps can receive M12 or M16 nominal size hanger rod.

III EXAMINATION AND TEST

3.1 Three representative samples of each of the following size clamps; 1, 2, 4 and 6 inch NPS were tested on a universal tensile testing apparatus at Factory Mutual Research Corporation to determine their holding power. The applied loads were increased beyond the required minimum in order to determine the ultimate yield point of the pipe clamps. The attached Appendix shows the satisfactory results.

3.2 The samples submitted for this Approval examination were found to represent the design adequately.

IV MARKINGS

The following markings are stamped on each pipe clamp: Manufacturer's logo, "Stabil" D-3G, Group 1240, nominal pipe size and the Factory Mutual Research Corporation Approval Mark.

V REMARKS

The pipe clamps described in this report are Approved only when manufactured at the following facility:

Sikla GmbH & Co. KG
Postfach 1354
D-7208 Spaichingen
West Germany

This facility has been audited and found to be satisfactory.

VI CONCLUSIONS


The Sikla GmbH & Co. KG, "Stabil" D-3G pipe clamps manufactured at the above facility and as described in this report, meet Factory Mutual Research Corporation Approval requirements. The Approval is effective when the Approval Agreement is signed by Sikla and received by Factory Mutual Research Corporation.

ORIGINAL DATA: Test Notebook No. 90-174

ATTACHMENTS: Appendix A, Primary Materials List, Manufacturer's Data Sheet

EXAMINATION AND TESTS BY: S. R. Ide

REPORT BY:



S. R. Ide
Associated Engineer
Hydraulics Section

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REVIEWED BY



R. L. Allard
Manager,
Hydraulics Section