

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

PIPE HANGER COMPONENTS  
FOR  
AUTOMATIC SPRINKLER SYSTEMS  
STYLE "N" LOOP PIPE HANGERS

from

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

J.I. 1M2A3.AH  
(1951)

OCTOBER 8, 1985



**Factory Mutual Research**

1151 Boston-Providence Turnpike  
P.O. Box 9102  
Norwood, Massachusetts 02062



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## I INTRODUCTION

1.1 Sikla GmbH & Co. KG requested an approval examination of their Style "N" loop pipe hangers.

1.2 The Style "N" loop hangers using a 3/8 in. (M10) hanger rod in connection with other approved components will support 1 through 4 in. (25 through 100 mm) sprinkler system piping. Using a 1/2 in. (M12) hanger rod in connection with other approved components will support 5 and 6 in. (125 and 150 mm), and using a 5/8 in. (M16) hanger rod in connection with other approved components will support 8 in. (200 mm) sprinkler system piping.

## II DESCRIPTION

2.1 The attached manufacturer's drawing number 016/85 shows a view of the loop hanger along with other pertinent information.

## III MARKING

3.1 Indented on the pipe loop is the following information: Manufacturer's logo, appropriate pipe size and the Factory Mutual mark of approval.

## IV TESTS AND EXAMINATION

4.1 Representative samples of the Style "N" loop pipe hangers, assembled with other approved components to form hangers, were tested on a universal tensile testing apparatus to determine their holding power.

The applied loads were increased beyond the required minimum in order to determine their ultimate strength. The attached Appendix shows the satisfactory results.

4.2 The samples submitted for this approval examination were found to represent the design adequately.

V CONCLUSION

Sikla GmbH & Co. KG Style "N" loop pipe hangers as discussed in this report meet Factory Mutual approval requirements. Approval is effective when the Approval Agreement is signed and returned to Factory Mutual.

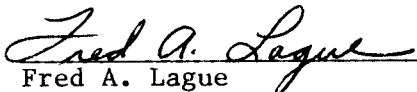
TESTS AND EXAMINATION BY: Fred A. Lague

ORIGINAL DATA: Notebook No. 85-395

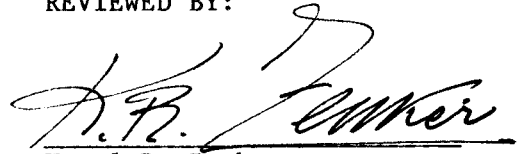
ATTACHED: Manufacturer's Drawing 016/85  
Primary Materials List  
Appendix

REPORT BY:

REVIEWED BY:



Fred A. Lague  
Senior Engineering Assistant  
Hydraulics Section



Karol R. Zenker  
Manager, Hydraulics Section

FAL/hn