

PIPE HANGER COMPONENTS

PRAKTICA S PIPE LOOP

1 THROUGH 10 in. (25.4 THROUGH 254.0 mm)

from

SIKLA GMBH & CO.

POSTFACH 46

7208 SPAICHINGEN

WEST GERMANY

J. I. OELIASH
(1951)

SEPTEMBER 10, 1979



Factory Mutual Research

1151 Boston-Providence Turnpike
Norwood, Massachusetts 02062



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I INTRODUCTION

Sikla GMBH and Co. requested an approval examination of the subject sprinkler pipe hanger components.

II 2.1 The Praktica S pipe hanger component consists of a pipe loop and special nut as shown on the attached manufacturer's Drawing Numbers 016/79 and 023178.

2.2 The pipe loops are made from steel (ST1203) per DIN 1623; the special nut is made from steel per DIN 1651. These parts are zinc plated at least 0.017 mm (0.00067 in.) thick.

2.3 The special nuts are threaded to accept the metric hanger rod sizes as shown in column "d" of attached drawings.

III MARKINGS

The following information is stamped on the pipe loop: manufacturer's name (SIKLA), model designation (PRAKTICA S), size, Factory Mutual approval mark and German Industry Standard No. (VdS G 4780120).

IV TESTS

4.1 Representative sample hanger components were tested in a universal tensile testing machine to determine their holding ability. Loads beyond the required minimum were applied to gather additional strength information.

4.2 Satisfactory test results are tabulated below:

Test No.	Rod Size mm	Pipe Size in. (mm)	Min. Required Load		Applied Load		Remarks
			lbs	(N)	lbs	(N)	
1	10	2 (50.8)	635	(2825)	925	(4115)	Loop Fracture
2	10	2 (50.8)	635	(2825)	980	(4359)	Loop Fracture
3	10	2 (50.8)	635	(2825)	980	(4359)	Loop Fracture
4	10	4 (101.6)	1475	(6561)	1875	(8340)	Loop Fracture
5	10	4 (101.6)	1475	(6561)	1800	(8007)	Loop Fracture
6	10	4 (101.6)	1475	(6561)	1900	(8452)	Loop Fracture
7	12	6 (152.4)	2615	(11632)	3000	(13345)	3/16 in. Elongation
8	12	6 (152.4)	2615	(11632)	2925	(13011)	5/32 in. Elongation
9	12	6 (152.4)	2615	(11632)	2925	(13011)	5/32 in. Elongation
10	16	10 (254.0)	5855	(26044)	5910	(26289)	1/16 in. Elongation
11	16	10 (254.0)	5855	(26044)	5925	(26356)	1/16 in. Elongation
12	16	10 (254.0)	5855	(26044)	5925	(26356)	1/16 in. Elongation

V CONCLUSION

The sprinkler hanger components, 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 BY: F. A. Lague


REPORT BY: G. C. Smith

ORIGINAL DATA: Notebook No. 4349

ATTACHED: Manufacturer's Drawing Nos. 016/79, 023178



G. C. Smith
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GCS/mi