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# APPROVAL REPORT

**Project No:** PR458139  
**Class:** 1952  
**Product Name:** Model R-HPT-III  
**Product Type:** Automatic Sprinkler Systems , Fasteners,  
Expansion Shields  
**Name of Listing Company:** Rawlplug SA  
**Address of Listing Company:** ul Kwidzynska 6  
Wroclaw  
51-416  
Poland  
**Customer ID:** 143270-1  
**Customer website** [www.rawlplug.com/pl](http://www.rawlplug.com/pl)

**Prepared by**



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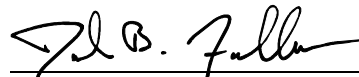
Bruce Wood  
Senior Engineer

**Reviewed by**



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Jonathan Carpenter  
AVP, Technical Team Manager



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David B. Fuller  
VP, Manager - Fire Protection

**15 January 2024**

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**Date of Approval**

## 1 INTRODUCTION

1.1 Rawlplug S. A. requested Approval of the expansion shields listed in Section 1.4 for compliance with the standards listed in Section 1.3 as suitable for the listing categories described in Section 1.4.

1.2 This report may be freely reproduced only in its entirety and without modification.

### 1.3 Standards

Title	Class Number	Date
Approval Standard for Pipe Hanger Components for Automatic Sprinkler Systems	1951/1952/1953	December 2016

### 1.4 Listing

The listings will be updated in the Approval Guide, an on-line resource of FM Approvals See attached Approval Guide Listings.

## 2 DESCRIPTION

2.1 The Model R-HPT-III expansion shields are designed to be installed in a pre-drilled hole in cast concrete. A sleeve is expanded by the wedge on the bolt when installation torque is applied to the hex nut.

2.2 The Model R-HPT-III is FM Approved when made from either carbon steel in accordance with ISO 898-1 or stainless steel. In all cases the thin expansion sleeve is made from stainless steel

2.3 The carbon steel parts are FM Approved when electrogalvanized or nickel plated.

## 3 EXAMINATIONS AND TESTS

3.1 Samples 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 All testing and analysis considered appropriate was conducted and verified to be in compliance with the Standards defined in Section 1.3.

## 4 MARKING

The following information appears on the smallest product package:

- Manufacturers logo (a stylized R) and name and address
- Model or part number (R-HPT-III)
- Maximum pipe size or hanger rod size used with the component
- FM Approvals Certification Mark

**5 REMARKS**

- 5.1 Installations shall comply with the relevant requirements of the applicable FM Global Property Loss Prevention Data Sheets.
- 5.2 Installations shall comply with the latest edition of the manufacturer's installation instructions.

**6 SURVEILLANCE AUDIT**

The design and manufacturing facilities at the following location(s) shall be visited on a routine basis. The facility processes and quality control procedures in place have been determined to be satisfactory to manufacture product identical to that tested and Approved. An FM Approved Products Revision Request Form shall be submitted to FM Approvals for requesting to manufacture product at any additional or alternate manufacturing facilities which are not listed below.

**Design**

Rawplug SA  
Podzwierzyniec 41  
Lancut  
37-100  
Poland

**Manufacturing**

Rawplug SA  
Podzwierzyniec 41  
Lancut  
37-100  
Poland

**7 MANUFACTURER'S RESPONSIBILITIES**

- 7.1 Documentation that is applicable to this approval is on file at FM Approvals and listed in the Documentation File, Section 8, of this report. No changes of any nature shall be made unless notice of the proposed change has been given and written authorization obtained from FM Approvals. The FM Approved Products Revision Request Form shall be forwarded to FM Approvals as notice of proposed changes.
- 7.2 The Manufacturer is responsible for control of the product marking and installation / operation / maintenance instructions for the system.
- 7.3 The manufacturer shall provide installation / operation / maintenance instructions with each system.
- 7.4 In accordance with the Master Agreement, the manufacturer shall make full and immediate disclosure to FM Approvals of all information concerning any defect in, or potential hazard of, the product or service manufactured or provided by the Customer which is Approved by, or being examined by, FM Approvals. The manufacturer shall make all necessary arrangements for the investigation of complaints / anomalies applicable to this approval and shall keep records of all complaints / anomalies including actions taken.
- 7.5 The manufacturing and production tests detailed in the Examination Standard shall be performed.

**8 DOCUMENTATION**

See attached blueprint report.

**9 CONCLUSION**

The expansion shields described in section 1.4 meet FM Approvals requirements. Since a duly signed Master Agreement is on file for this manufacturer, FM Approval is effective the date of this report.

**PROJECT DATA RECORD:** PR458139

**ATTACHMENTS:** Approval Guide Listing  
Blueprint Report

## R-HPT III

### Product Specification

Model No	Description	Hanger Rod Size, mm (in)	Nominal Pipe Size	
			mm	(in)
R-HPT-III	Expansion Shield	M10	20 through 100	(3/4 through 4)
R-HPT-III	Expansion Shield	M12	125, 150, 200	(5, 6, 8)
R-HPT-III	Expansion Shield	M16	250, 300	(10, 12)
R-HPT-III	Expansion Shield	M20	250, 300	(10, 12)

Model R-HPT-III is FM Approved when made of carbon steel or stainless steel. Carbon steel may be electrogalvanized or nickel plated

<b>Company Name:</b>	Rawlplug SA
<b>Company Address:</b>	Kwidzynska 6, 51-416 Wroclaw, Poland
<b>Company Website:</b>	<a href="http://www.rawlplug.com">http://www.rawlplug.com</a>
<b>Listing Country:</b>	Poland
<b>Certification Type:</b>	FM Approved
<b>Class of Work:</b>	1952-Expansion Shields

## **Blueprint Report**

**Rawlplug SA (143270)**

**Class No 1952**

**Original Project I.D. 458139**

<u>Drawing No.</u>	<u>Revision Level</u>	<u>Drawing Title</u>	<u>Last Report</u>	<u>Electronic Drawing</u>
PK0012	1	Control Plan (Production R-HPTIII Anchors)	PR458139	Yes (pdf)
PK0014	1	Control Plan (In Process R-HPTIII Anchors)	PR458139	Yes (pdf)
RW05165	9	Sruba kotwy R-HPTIII M12xL	PR458139	Yes (pdf)
RW05166	6	Sruba kotwy R-HPTIII-A4 M12xL	PR458139	Yes (pdf)
RW05462	5	Sruba kotwy R-HPTIII M10xL	PR458139	Yes (pdf)
RW05463	4	Sruba kotwy R-HPTIII-A4 M10xL	PR458139	Yes (pdf)
RW05467	4	Sruba kotwy R-HPTIII M8xL	PR458139	Yes (pdf)
RW05468	3	Sruba kotwy R-HPTIII-A4 M8xL	PR458139	Yes (pdf)
RW05754	1	Expansion Sleeve M8 R-HPT III	PR458139	Yes (pdf)
RW05755	1	Expansion Sleeve M10 R-HPT III	PR458139	Yes (pdf)
RW05756	1	Expansion Sleeve M12 R-HPT III	PR458139	Yes (pdf)