



## Classification of reaction to fire based with EN 13501-1 : 2019-05

**No. of Classification Report:**

*K-2300/878/18-MPA BS*

**Client:**

*ERICO Europe BV  
Jules Verneweg 75  
5015 BG Tilburg  
The Netherlands*

**Issued by:**

*Materialprüfanstalt für das Bauwesen  
Beethovenstraße 52  
38106 Braunschweig  
Germany*

**Number of the notified testing laboratory:**

*0761-CPD*

**Product name:**

*EPDM-SBR Rubber "MFVIRBR ..." as a  
component of the CADDY MACROFIX  
Insulated MFVI and CADDY MACROFIX  
Insulated MFVIS6 MACRO-V*

**Issue number:**

*2st issue*

**Issued on:**

*17/07/2020*

**Validity:**

*Not restricted*

This Classification Report consists of 5 pages and 5 annexes.

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## 1 Introduction

This Classification Report defines the classification that is assigned on the basis of the test method specified in DIN EN 13501-1 : 2019-05 to the construction products that are described below.

## 2 Details of the classified construction products

### 2.1 Type and field application

The tested products "*MFVIRBR...*"\* made of *EPDM-SBR Rubber* are *Inlays for pipe clamps for suspension of stationary non-insulated pipe lines*\*.

### 2.3 Description of the products

The tested products "*MFVIRBR...*"\* are described in detail in the Test Report that is listed in section 3.1 below and on which this classification is based.

## 3 Test reports and test results for classification

### 3.1 Test Report

Name of testing laboratory	Client	Number of the Test Report	Test method / date
<i>MPA Braunschweig</i>	<i>ERICO Europe BV Jules Verneweg 75 5015 BG Tilburg The Netherlands</i>	<i>2300/878/18-a of 15/10/2018</i>	<i>DIN EN ISO 11925-2 2011-02</i>

### 3.2 Test results

#### 3.2.1 Test results for the *EPDM-SBR Rubber* products "*MFVIRBR...*"

Test method	Parameter	Number of tests	Test results	
			Continuous parameters (mean value)	Discrete parameters
EN ISO 11925-2				
<b>Flames applied to surface</b> 15 s	$F_s \leq 150$ mm	15	-	<i>Complied with</i>
Burning droplets/falling burning particles	Ignition of the filter paper	15	-	<i>Complied with</i>
<b>Flames applied to edge</b> 15 s	$F_s \leq 150$ mm	15	-	<i>Complied with</i>
Burning droplets/falling burning particles	Ignition of the filter paper	15	-	<i>Complied with</i>

\* Details of the client

## 4 Classification and field of direct application

### 4.1 Classification basis

This classification was made in compliance with DIN EN 13501-1 : 2019-05.

### 4.2 Classification

The following reaction-to-fire performance class is assigned to the tested products *EPDM-SBR Rubber "MFVIRBR..."*:

***E***

The additional product classification regarding smoke production is:

***No requirements***

The additional classification of the product regarding burning droplets/falling burning particles is:

***Complied with***

The classification format for the reaction to fire of building products, except for flooring and pipe insulation, is as follows:

Reaction-to-fire		Smoke production				Burning droplets	
<i>E</i>	--	--	--	--	--	--	

The classification in accordance with DIN EN DIN EN 13501-1 : 2019-05, table 1, is:

**Reaction-to-fire classification: E**

### 4.3 Field of application and product parameters

#### 4.3.1 Field of application and parameters of the "EPDM-SBR Rubber" products

The classification in section 4.2 for the product applies to the following product fields of application and/or product parameters:

- Product parameter

Product	Parameter	The classification applies to
Inlays	Type	<i>EPDM-SBR Rubber*</i>
	Density	<i>1,40 g/cm<sup>3</sup> ± 5%</i>
	Colours	<i>Black and blue paint on two outside vertical flat surfaces</i>
	Global Part Number	<i>MFPRBR015B* MFPRBR015T* MFVIRBR080* MFVIRBR140*</i> <i>MFPRBR019B* MFPRBR019T* MFVIRBR090* MFVIRBR150*</i> <i>MFPRBR025B* MFPRBR025T* MFVIRBR100* MFVIRBR160*</i> <i>MFPRBR031B* MFPRBR031T* MFVIRBR112* MFVIRBR180*</i> <i>MFPRBR037B* MFPRBR037T* MFVIRBR125* MFVIRBR200*</i> <i>MFPRBR044B* MFPRBR044T*</i>  <i>MFPRBR051B* MFPRBR051T* MFVIRBR224* MFVIRBR315*</i> <i>MFPRBR058B* MFPRBR058T* MFVIRBR250* MFVIRBR355*</i> <i>MFPRBR068B* MFPRBR068T* MFVIRBR280* MFVIRBR400*</i> <i>MFVIRBR300*</i>  <i>MFVIRBR450* MFVIRBR550*</i> <i>MFVIRBR500* MFVIRBR600*</i>  <i>MFVIRBR630* MFVIRBR800*</i> <i>MFVIRBR710* MFVIRBR900*</i>  <i>MFVIRBR1000* MFVIRBR1250*</i> <i>MFVIRBR1120* *</i> <i>(drawings see annexes 1-5)</i>
Subsoil	Connection with other products	Only direct application on metal subsoil for the practical application with a melting point $\geq 1000^{\circ}\text{C}$ , thickness $\geq 0,6$ mm and density $\geq 5850$ kg/m <sup>3</sup>

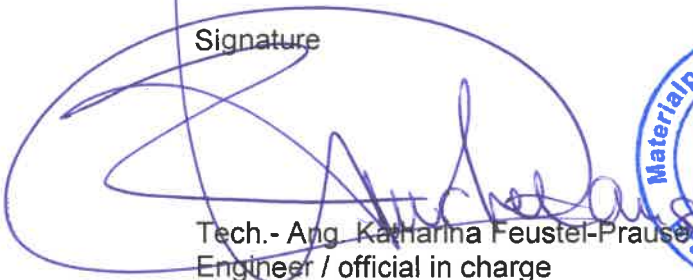
- Field of application: use as Inlays for pipe clamps

\* Details of the client

## 5 Notes

- 5.1 In connection with additional flammable coatings or other weights per unit area than those specified in section 4.3 above, the reaction to a fire may be adversely affected so that the classification in section 4.2 will no longer apply. The reaction of fire of any additional flammable coatings or other weights per unit area must be demonstrated separately.
- 5.2 This Classification Report is not a type approval or product certification document, and it does not replace the approval that may be required under the German building law (State Government Building Regulations).
- 5.3 It was made no declaration by the client regarding the classification of his construction product in a system of the attestation of compliance procedure for CE marking within the framework of the Construction Products Regulation (BauPVO).
- 5.4 **This Classification Report written in English language is issued additionally to the report written in German language with the same report number. In case of doubt the German version is valid solely. This Classification Report is only valid in combination with the German version of the report.**

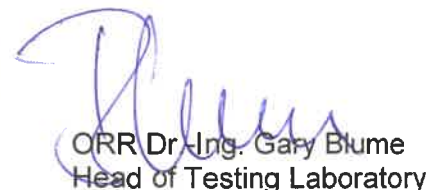
Signature



Tech.-Ang. Katharina Feustel-Prause  
Engineer / official in charge



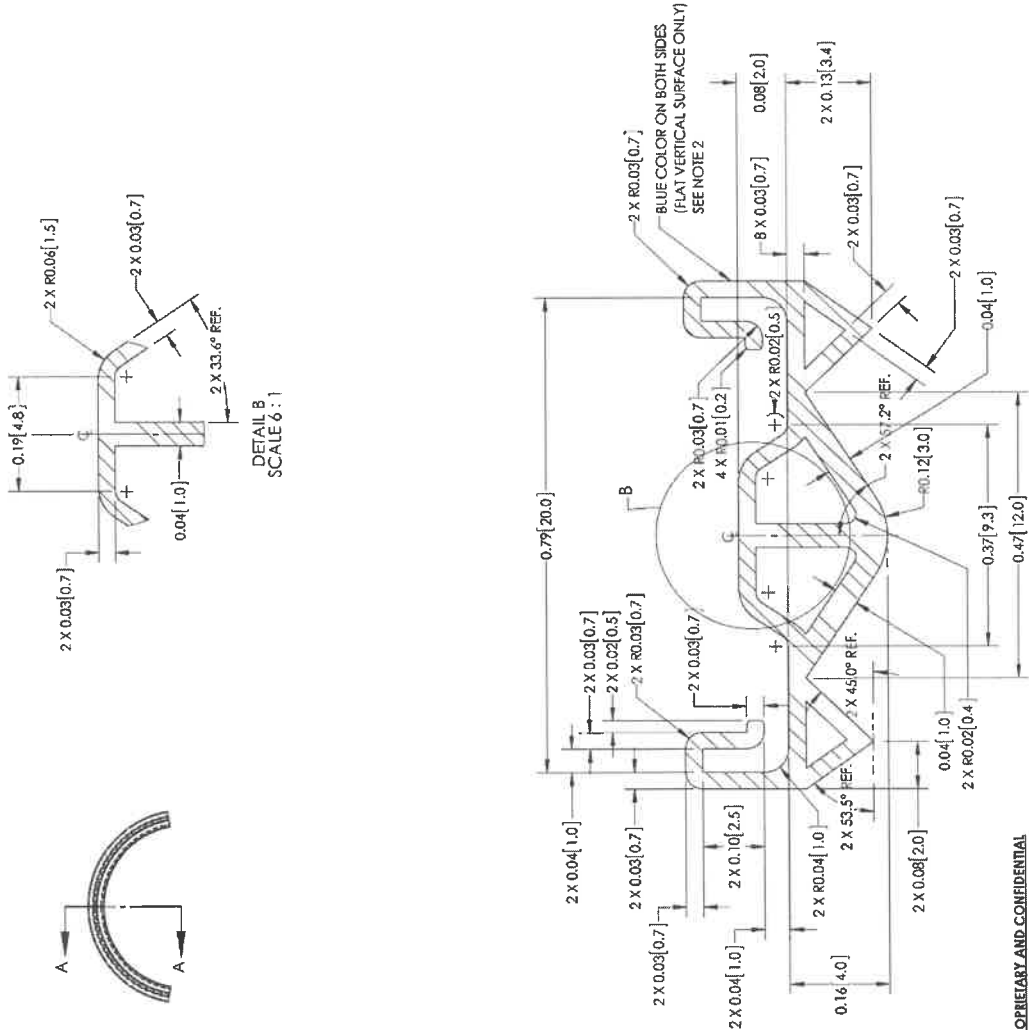
Confirm



ORR Dr.-Ing. Gary Blume  
Head of Testing Laboratory

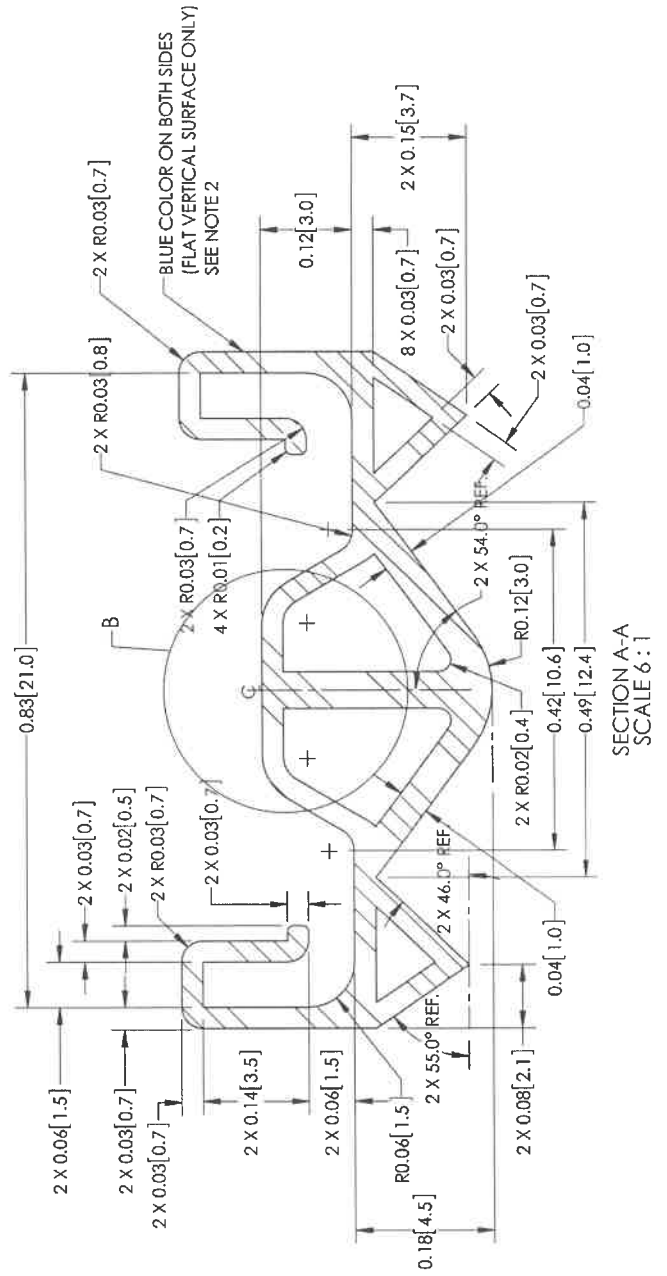
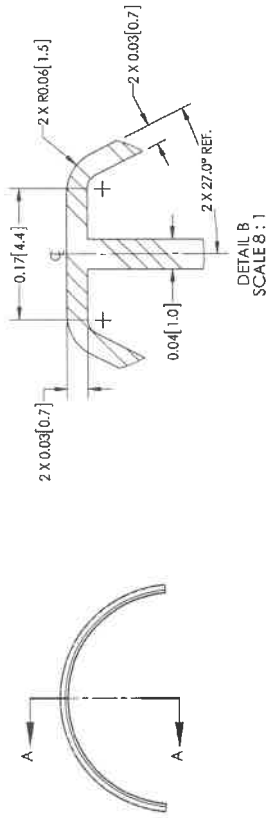
ITEM	PART NO.	QTY	CENTER HOLE (SEE NOTE 3)	DESCRIPTION
1	MFPRBR015B	X	YES	RUBBER LINER FOR BOTTOM C-CLAMP OF MFPR015 MACROCFX PLUS
2	MFPRBR015T	X	YES	RUBBER LINER FOR TOP C-CLAMP OF MFPR015 MACROCFX PLUS
3	MFPRBR019B	X	YES	RUBBER LINER FOR BOTTOM C-CLAMP OF MFPR019 MACROCFX PLUS
4	MFPRBR019T	X	YES	RUBBER LINER FOR TOP C-CLAMP OF MFPR019 MACROCFX PLUS
5	MFPRBR025B	X	NO	RUBBER LINER FOR BOTTOM C-CLAMP OF MFPR025 MACROCFX PLUS
6	MFPRBR025T	X	NO	RUBBER LINER FOR TOP C-CLAMP OF MFPR025 MACROCFX PLUS
7	MFPRBR031B	X	NO	RUBBER LINER FOR BOTTOM C-CLAMP OF MFPR031 MACROCFX PLUS
8	MFPRBR031T	X	NO	RUBBER LINER FOR TOP C-CLAMP OF MFPR031 MACROCFX PLUS
9	MFPRBR037B	X	NO	RUBBER LINER FOR BOTTOM C-CLAMP OF MFPR037 MACROCFX PLUS
10	MFPRBR037T	X	NO	RUBBER LINER FOR TOP C-CLAMP OF MFPR037 MACROCFX PLUS
11	MFPRBR044B	X	NO	RUBBER LINER FOR BOTTOM C-CLAMP OF MFPR044 MACROCFX PLUS
12	MFPRBR044T	X	NO	RUBBER LINER FOR TOP C-CLAMP OF MFPR044 MACROCFX PLUS
13	MFVIRBR080	X	NO	RUBBER LINER FOR 80mm MFV1 & MFV56 MACRO-V
14	MFVIRBR090	X	NO	RUBBER LINER FOR 90mm MFV1 & MFV56 MACRO-V
15	MFVIRBR100	X	NO	RUBBER LINER FOR 100mm MFV1 & MFV56 MACRO-V
16	MFVIRBR112	X	NO	RUBBER LINER FOR 112mm MFV1 & MFV56 MACRO-V
17	MFVIRBR125	X	NO	RUBBER LINER FOR 125mm MFV1 & MFV56 MACRO-V
18	MFVIRBR140	X	NO	RUBBER LINER FOR 140mm MFV1 & MFV56 MACRO-V
19	MFVIRBR150	X	NO	RUBBER LINER FOR 150mm MFV1 & MFV56 MACRO-V
20	MFVIRBR160	X	NO	RUBBER LINER FOR 160mm MFV1 & MFV56 MACRO-V
21	MFVIRBR180	X	NO	RUBBER LINER FOR 180mm MFV1 & MFV56 MACRO-V
22	MFVIRBR200	X	NO	RUBBER LINER FOR 200mm MFV1 & MFV56 MACRO-V

TOLERANCE (INCH) UNLESS NOTED	
ANGULAR TOLERANCE:	± 1°
FRACTIONAL TOLERANCE:	± 1/32
TWO PLACE DECIMAL:	± 0.01
THREE PLACE DECIMAL:	± 0.005
TOLERANCE [mm] UNLESS NOTED	
ANGULAR TOLERANCE:	± 1°
ONE PLACE DECIMAL:	± 0.3
TWO PLACE DECIMAL:	± 0.13

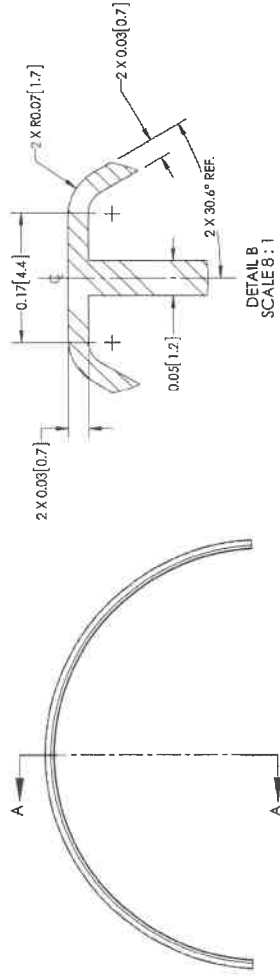


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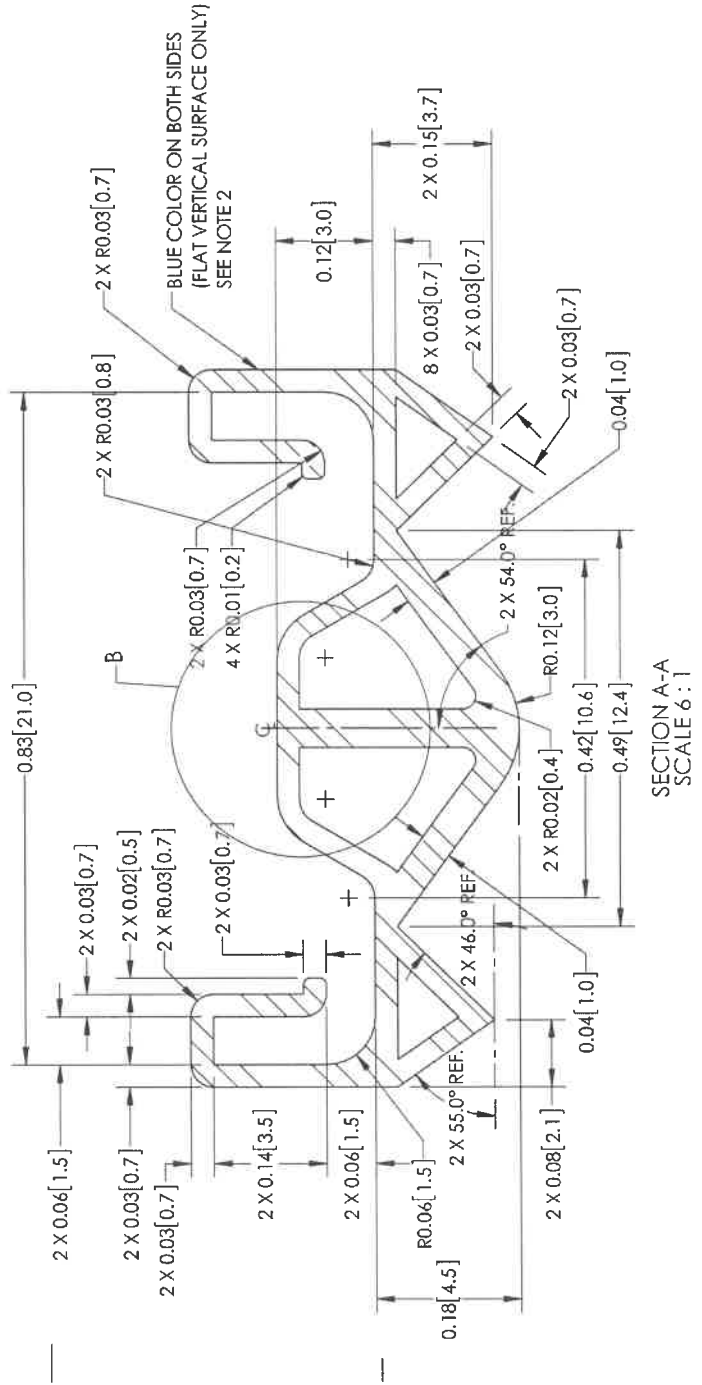
ITEM	PART NO.	QTY	DESCRIPTION
1	MFPRBR051B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MF051 MACROFX PLUS
2	MFPRBR051T	X	RUBBER LINER FOR TOP C-CLAMP OF MF051 MACROFX PLUS
3	MFPRBR058B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MF058 MACROFX PLUS
4	MFPRBR058T	X	RUBBER LINER FOR TOP C-CLAMP OF MF058 MACROFX PLUS
5	MFPRBR068B	X	RUBBER LINER FOR BOTTOM C-CLAMP OF MF068 MACROFX PLUS
6	MFPRBR068T	X	RUBBER LINER FOR TOP C-CLAMP OF MF068 MACROFX PLUS
7	MFVIRBR224	X	RUBBER LINER FOR 224mm MFVI & MFEVISA MACRO-V
8	MFVIRBR250	X	RUBBER LINER FOR 250mm MFVI & MFEVISA MACRO-V
9	MFVIRBR280	X	RUBBER LINER FOR 280mm MFVI & MFEVISA MACRO-V
10	MFVIRBR300	X	RUBBER LINER FOR 300mm MFVI & MFEVISA MACRO-V
11	MFVIRBR315	X	RUBBER LINER FOR 315mm MFVI & MFEVISA MACRO-V
12	MFVIRBR355	X	RUBBER LINER FOR 355mm MFVI & MFEVISA MACRO-V
13	MFVIRBR400	X	RUBBER LINER FOR 400mm MFVI & MFEVISA MACRO-V



TOLERANCE (INCH) UNLESS NOTED	
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TOLERANCE [mm] UNLESS NOTED	
ANGULAR TOLERANCE:	±1°
ONE PLACE DECIMAL:	±0.3
TWO PLACE DECIMAL:	±0.13

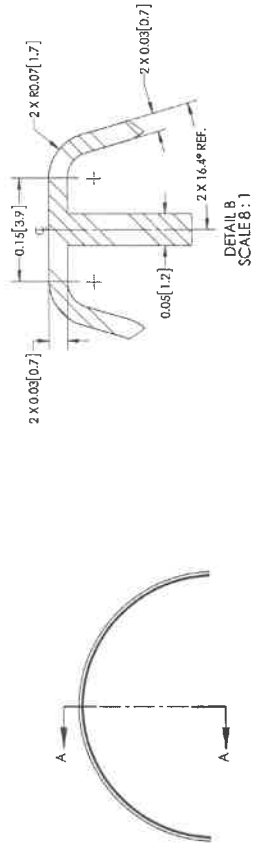


ITEM	PART NO.	QTY	DESCRIPTION
1	<b>MFVIRBR450</b>	X	RUBBER LINER FOR 450mm MFVI & MFVIS6 MACRO-V
2	<b>MFVIRBR500</b>	X	RUBBER LINER FOR 500mm MFVI & MFVIS6 MACRO-V
3	<b>MFVIRBR550</b>	X	RUBBER LINER FOR 550mm MFVI & MFVIS6 MACRO-V
4	<b>MFVIRBR600</b>	X	RUBBER LINER FOR 600mm MFVI & MFVIS6 MACRO-V

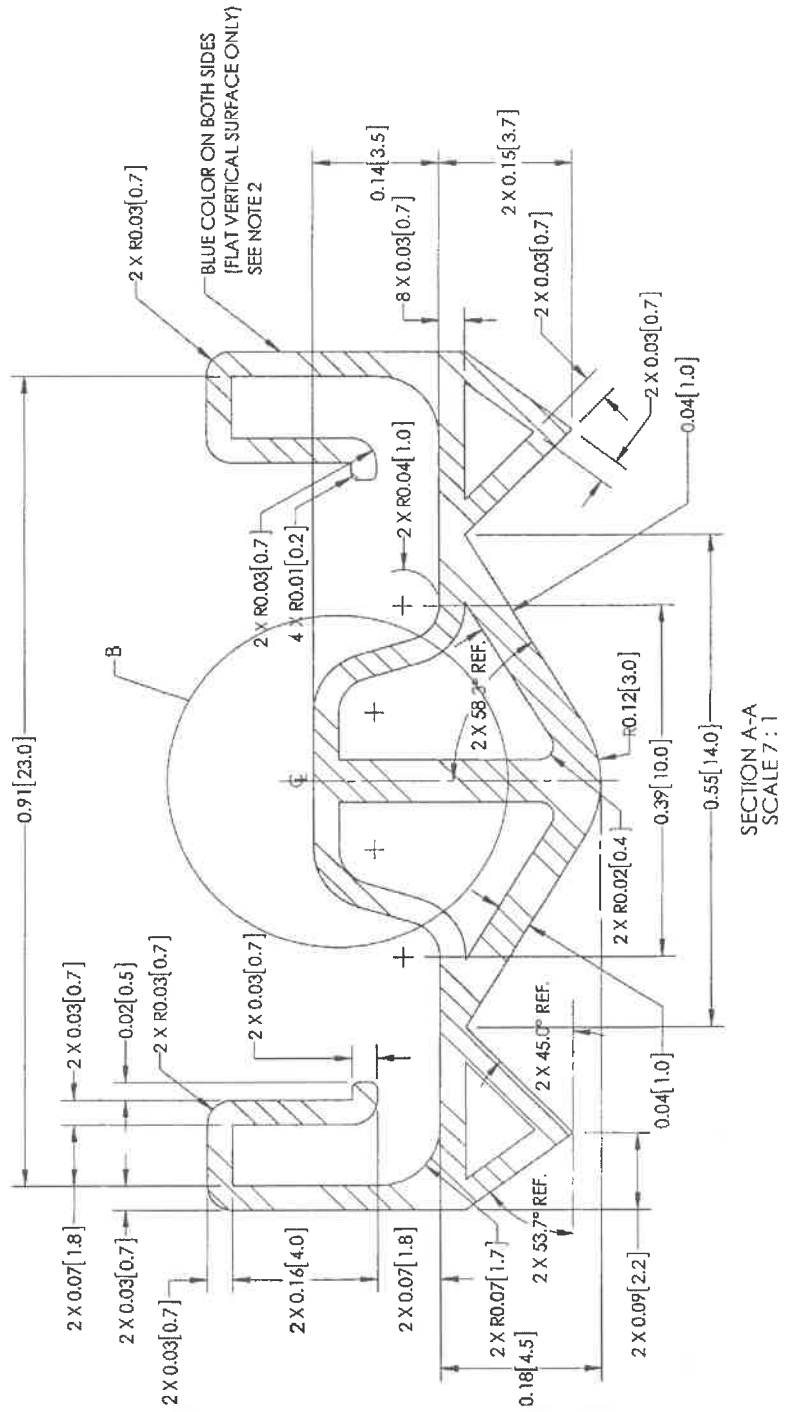


TOLERANCE (INCH) UNLESS NOTED	
ANGULAR TOLERANCE:	$\pm 1^\circ$
FRACTIONAL TOLERANCE:	$\pm 1/32$
TWO PLACE DECIMAL:	$\pm 0.01$
THREE PLACE DECIMAL:	$\pm 0.005$
TOLERANCE [mm] UNLESS NOTED	
ANGULAR TOLERANCE:	$\pm 1^\circ$
ONE PLACE DECIMAL:	$\pm 0.3$
TWO PLACE DECIMAL:	$\pm 0.13$

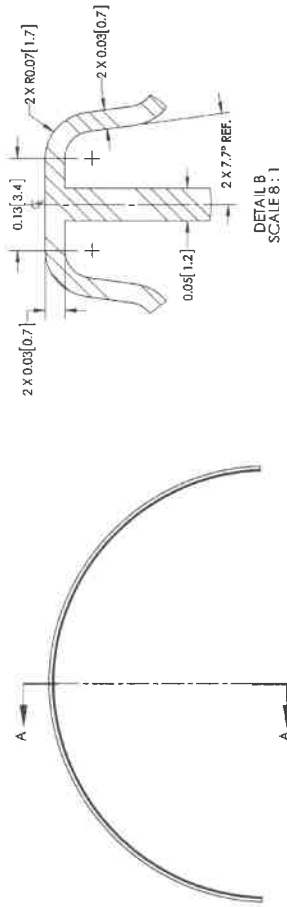




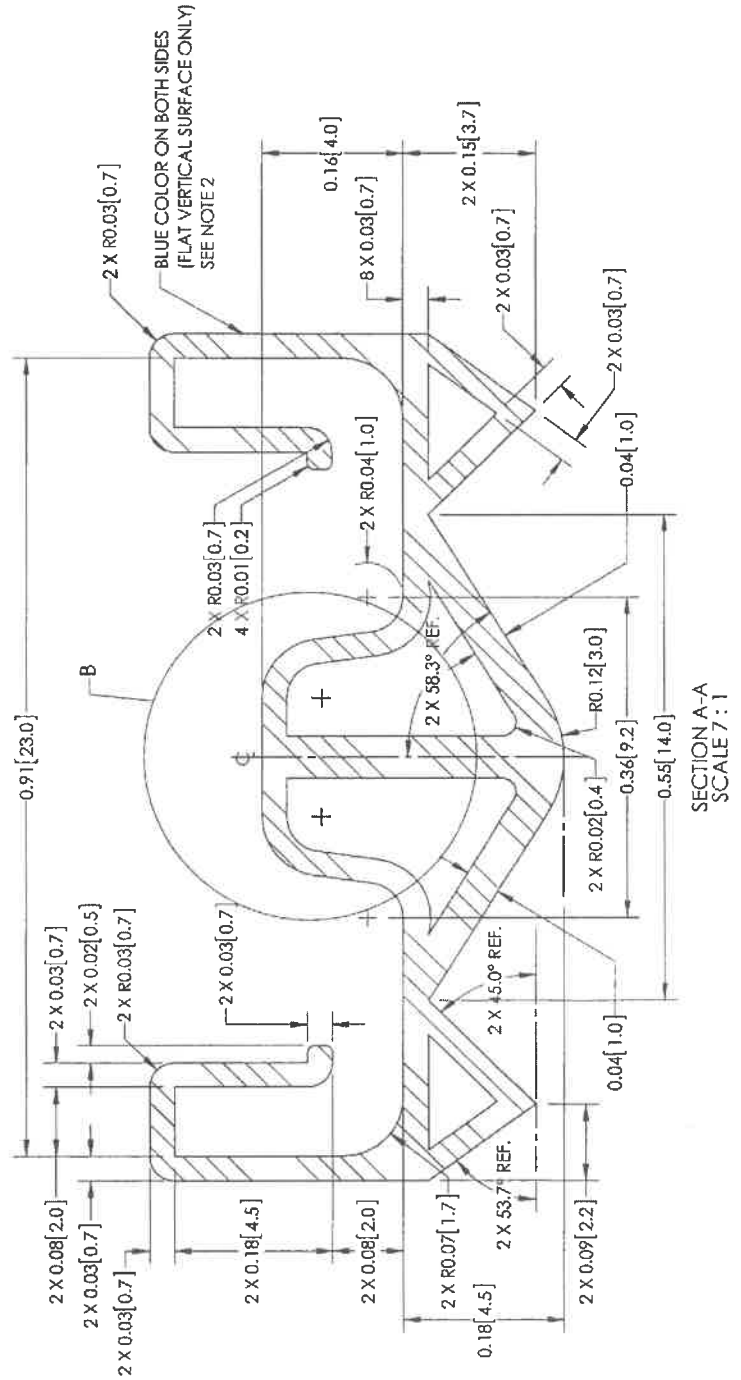
ITEM	PART NO.	QTY	DESCRIPTION
1	<b>MFVIRBR630</b>	X	RUBBER LINER FOR 630mm MFV1 & MFVIS6 MACRO-V
2	<b>MFVIRBR710</b>	X	RUBBER LINER FOR 710mm MFV1 & MFVIS6 MACRO-V
3	<b>MFVIRBR800</b>	X	RUBBER LINER FOR 800mm MFV1 & MFVIS6 MACRO-V
4	<b>MFVIRBR900</b>	X	RUBBER LINER FOR 900mm MFV1 & MFVIS6 MACRO-V



TOLERANCE (INCH) UNLESS NOTED	
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THREE PLACE DECIMAL:	±0.005
TOLERANCE [mm] UNLESS NOTED	
ANGULAR TOLERANCE:	±1°
ONE PLACE DECIMAL:	±0.3
TWO PLACE DECIMAL:	±0.13



ITEM	PART NO.	QTY	DESCRIPTION
1	<b>MFVIRBR1000</b>	X	RUBBER LINER FOR 1000mm MFVI & MFVIS6 MACRO-V
2	<b>MFVIRBR1120</b>	X	RUBBER LINER FOR 1120mm MFVI & MFVIS6 MACRO-V
3	<b>MFVIRBR1250</b>	X	RUBBER LINER FOR 1250mm MFVI & MFVIS6 MACRO-V



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ANGULAR TOLERANCE: ±1°	
FRACTIONAL TOLERANCE: ±1/32	
TWO PLACE DECIMAL: ±0.01	
THREE PLACE DECIMAL: ±0.005	
TOLERANCE (mm) UNLESS NOTED	
ANGULAR TOLERANCE: ±1°	
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TWO PLACE DECIMAL: ±0.13	

SECTION A-A  
SCALE 7:1