

# SERIES 10 FLANGE MOUNT SAFETY SCREEN

For fine levels of filtration, The Lee Company now offers 10 micron Series 10 Safety Screens. Similar to the 20 micron Series 20 Safety Screens, these screens offer a fine level of filtration in a rugged, compact, flange mount design. These screens are designed to provide protection for critical components with even the smallest of flow passageways and clearances.

Lee Series 10 Safety Screens are incredibly robust considering their fine filtration rating. In addition to the rugged, calendered, and sintered 316L stainless steel wire mesh weave, the Series 10 Safety Screens also incorporate a 316L support skin on both sides of the weave, reinforcing the screen element for maximum strength. Manufactured using a proprietary process, Lee Series 10 Safety Screens feature a seamless, layered design containing radial convolutions that greatly increase the contamination carrying capacity of the screen. The result is a high strength screen offering optimal protection in a small package.

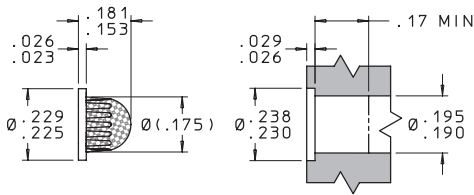
- 10 micron hole size rating
- 316L stainless steel construction
- Strong, seamless, layered screen element
- Maximum protection, high contamination carrying design
- Precision cleaned and packaged



Our versatile Series 10 Safety Screens are available in 6 different flange sizes, ranging from 0.230 to 0.656 of an inch in diameter. All Lee safety screens are precision cleaned and packaged before shipment.

Special designs are available upon request. For additional information and technical assistance, please visit our website and contact a local Lee Technical Sales Engineer.

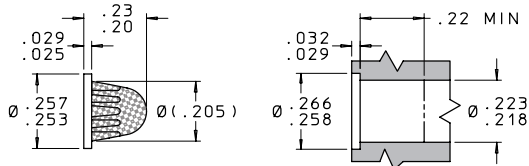
MATERIALS		
PART	MATERIAL	SPECIFICATION
Screen	316L CRES	ASTM A580/A580M Chem and ASTM A 666
Base Washer	316L CRES	ASTM A 666 or AMS 5653
Braze	Silver Alloy	AMS 4765



### 230 FLANGE MOUNT SCREEN

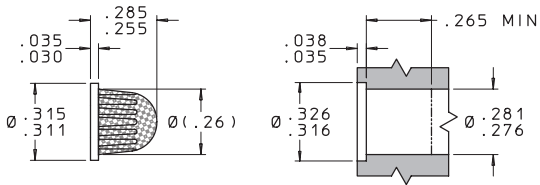
LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in. <sup>2</sup>	TOTAL AREA in. <sup>2</sup>	NUMBER OF HOLES	LOHM** (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	Rob*** NUMBER
FSFA2300100A	0.0004	10	0.003	0.098	15,800	300	1700	850	0.03

### 255 FLANGE MOUNT SCREEN



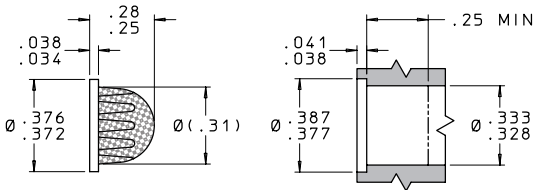
LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in. <sup>2</sup>	TOTAL AREA in. <sup>2</sup>	NUMBER OF HOLES	LOHM** (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	Rob*** NUMBER
FSFA2550100A	0.0004	10	0.006	0.173	27,900	180	1600	625	0.05

# SERIES 10 FLANGE MOUNT SAFETY SCREEN



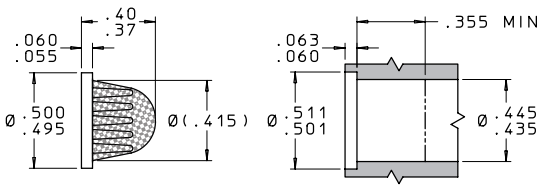
## 312 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* μm	OPEN AREA in. <sup>2</sup>	TOTAL AREA in. <sup>2</sup>	NUMBER OF HOLES	LOHM** (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	Rob*** NUMBER
FSFA3120100A	0.0004	10	0.01	0.28	44,850	100	1500	450	0.07



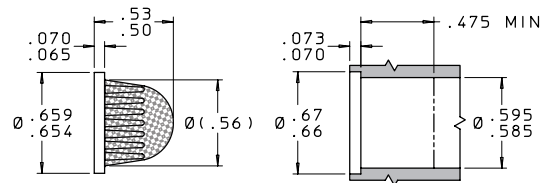
## 375 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* μm	OPEN AREA in. <sup>2</sup>	TOTAL AREA in. <sup>2</sup>	NUMBER OF HOLES	LOHM** (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	Rob*** NUMBER
FSFA3750100A	0.0004	10	0.01	0.30	48,400	95	1025	400	0.08



## 500 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* μm	OPEN AREA in. <sup>2</sup>	TOTAL AREA in. <sup>2</sup>	NUMBER OF HOLES	LOHM** (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	Rob*** NUMBER
FSFA5000100A	0.0004	10	0.02	0.56	90,500	50	775	325	0.15



## 656 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* μm	OPEN AREA in. <sup>2</sup>	TOTAL AREA in. <sup>2</sup>	NUMBER OF HOLES	LOHM** (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	Rob*** NUMBER
FSFA6560100A	0.0004	10	0.04	1.23	197,900	25	600	160	0.33

\* Due to the fine micron rating of these safety screens, adequate system filtration must be provided to prevent premature clogging. Also, the screen installation method needs to be chosen to avoid contamination from bypassing the installed screen.

\*\* The Lohm is a measure of flow resistance. Example: One Lohm will permit a flow of 100 GPM of water at 25 psid at 80°F.

\*\*\* The ROB (Resistance to Blockage) factor is a system of rating the relative resistance to blockage of safety screens. The higher the ROB number, the more resistance to blockage.

Additional information can be found at [www.TheLeeCo.com](http://www.TheLeeCo.com) or by contacting your local Lee Sales Engineer.