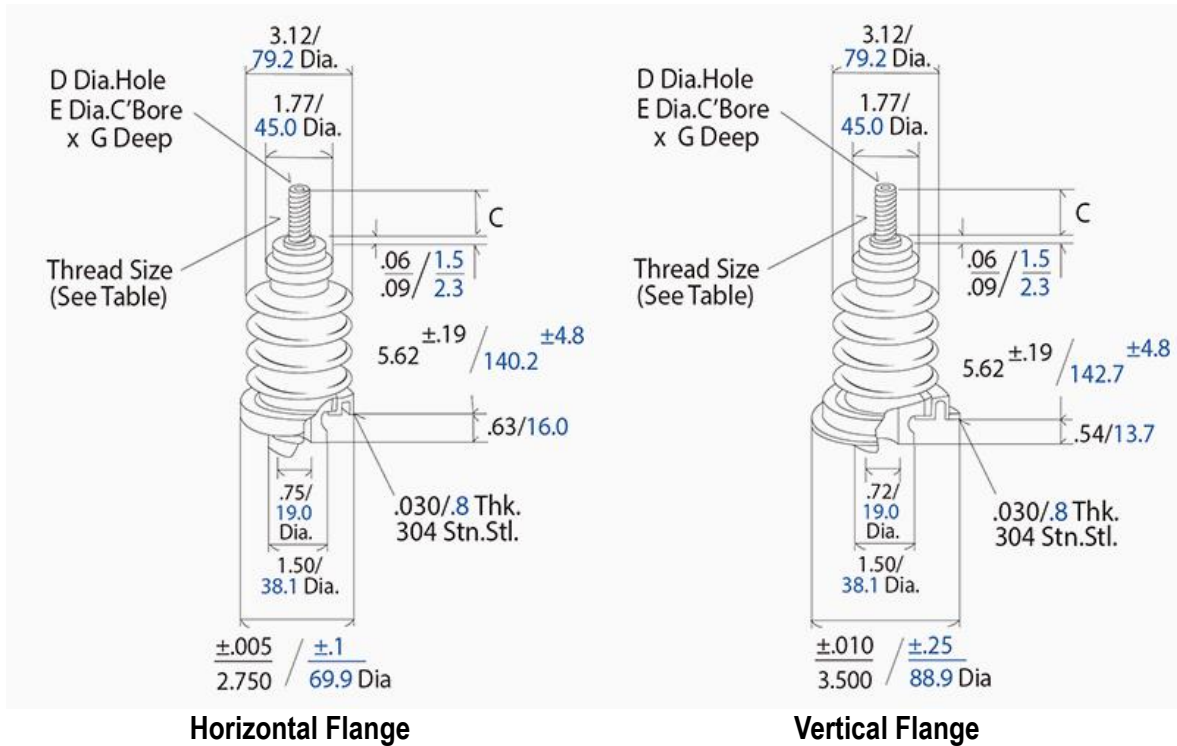


## 75 kV BIL



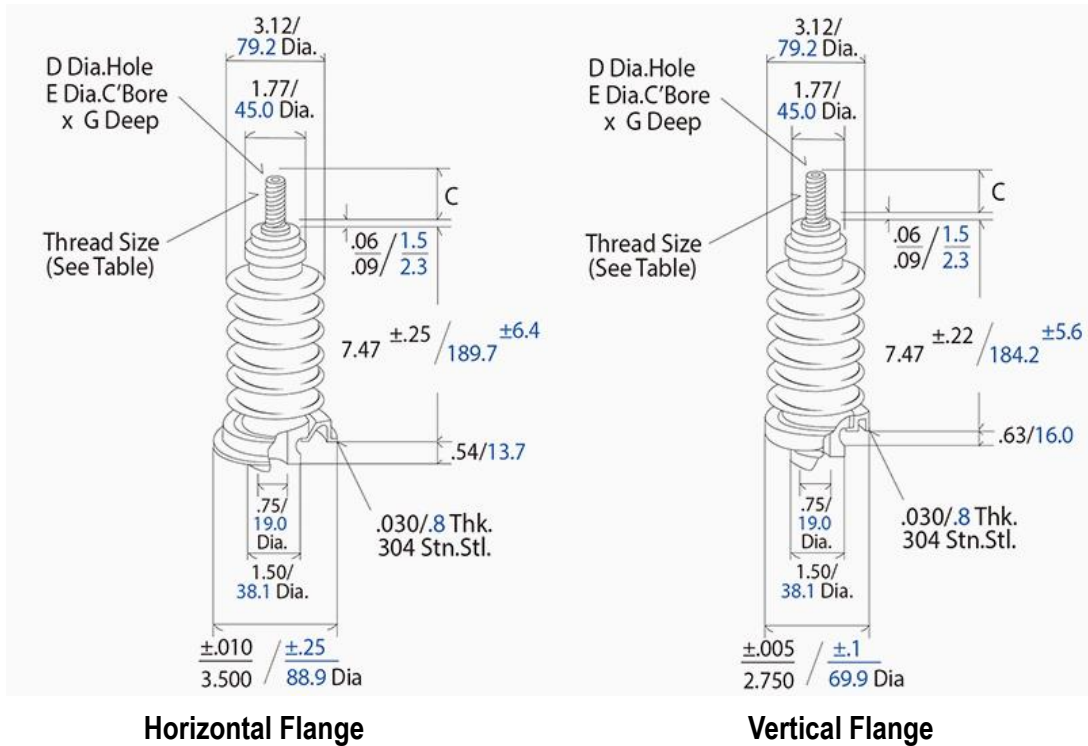
**Horizontal Flange**

**Vertical Flange**

Average Corona Start	25KV RMS
Dry 1 Minute Withstand	60KV RMS
Wet Test Withstand	45KV RMS
Minimum Strike	4.3/109.2
Minimum Creep	7.50/190.5
Glaze Color	Grey
Average Weight	1 lb. 4 oz./1.57kg

C	D	E	G	Thread Size	Wire	CAT.NO
	.332/.8.4 cap hole			No Stud		HVB-11379-01
.100/25.4	.156/4.0	.312/7.9	.25/6.4	1/2-13 UNC	No Wire	HVB-11379-02
.100/25.4	.156/4.0	.312/7.9	.25/6.4	M12X1.75	No Wire	HVB-11379-03
1.595/41.0	.165/4.2			1/2-13UNC	No Wire	HVB-11379-04
1.595/41.0	.165/4.2			M12X1.75	No Wire	HVB-11379-05
1.772/45.0	.246/6.2			M16X2.0	No Wire	HVB-11379-06
1.595/41.0				1/2-13UNC	4.8SQ/16SQ/22SQ	HVB-11379-07
1.595/41.0				M12X1.75	4.8SQ/16SQ/22SQ	HVB-11379-08
1.772/45.0				M16X2.0	4.8SQ/16SQ/33SQ	HVB-11379-09

## 95 kV BIL



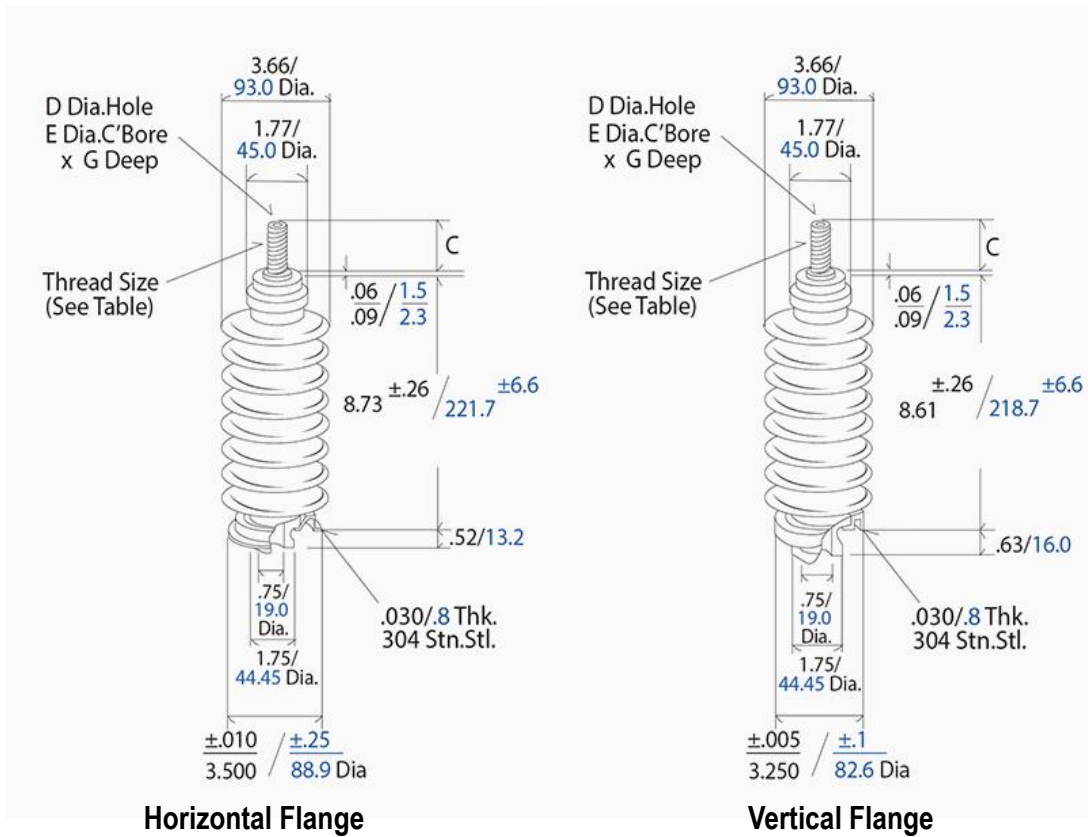
Horizontal Flange

Vertical Flange

Average Corona Start	25KV RMS
Dry 1 Minute Withstand	70KV RMS
Wet Test Withstand	55KV RMS
Minimum Strike	6.4/162.6
Minimum Creep	11.75/298.5
Glaze Color	Grey
Average Weight	2 lb. 8 oz./1.13kg

C	D	E	G	Thread Size	Wire	CAT.NO
	.332/.8.4 cap hole			No Stud		HVB-11200-01
.100/25.4	.156/4.0	.312/7.9	.25/6.4	1/2-13 UNC	No Wire	HVB-11200-02
.100/25.4	.156/4.0	.312/7.9	.25/6.4	M12X1.75	No Wire	HVB-11200-03
1.595/41.0	.165/4.2			1/2-13UNC	No Wire	HVB-11200-04
1.595/41.0	.165/4.2			M12X1.75	No Wire	HVB-11200-05
1.772/45.0	.246/6.2			M16X2.0	No Wire	HVB-11200-06
1.595/41.0				1/2-13UNC	4.8SQ/16SQ/22SQ	HVB-11200-07
1.595/41.0				M12X1.75	4.8SQ/16SQ/22SQ	HVB-11200-08
1.772/45.0				M16X2.0	4.8SQ/22SQ/33SQ	HVB-11200-09

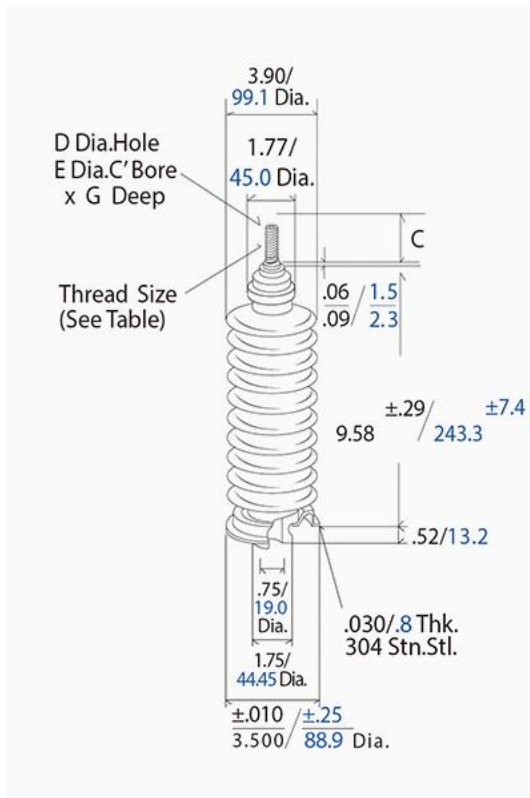
## 150 kV BIL



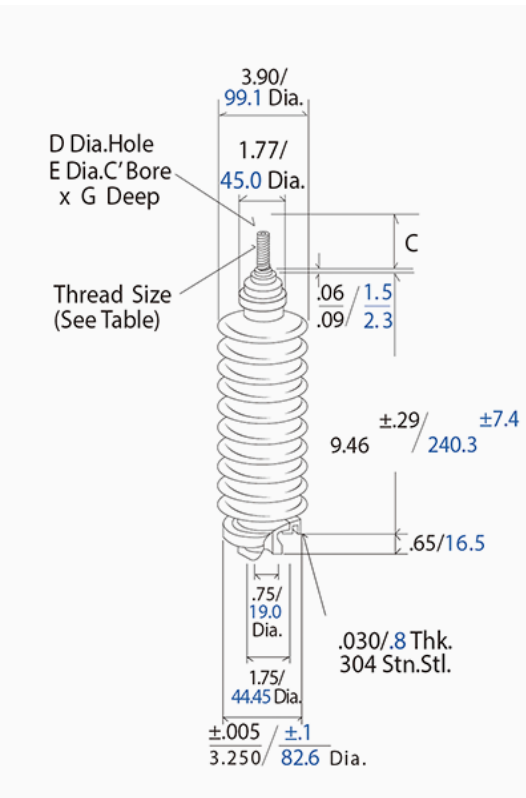
Average Corona Start	30KV RMS
Dry 1 Minute Withstand	80KV RMS
Wet Test Withstand	60KV RMS
Minimum Strike	7.6/193.0
Minimum Creep	17.25/438.2
Glaze Color	Grey
Average Weight	4 lb. 2 oz./1.87kg

C	D	E	G	Thread Size	Wire	CAT.NO
	.332/.8.4 cap hole			No Stud		HVB-10132-01
.100/25.4	.156/4.0	.312/7.9	.25/6.4	1/2-13 UNC	No Wire	HVB-10132-02
.100/25.4	.156/4.0	.312/7.9	.25/6.4	M12X1.75	No Wire	HVB-10132-03
1.595/41.0	.165/4.2			1/2-13UNC	No Wire	HVB-10132-04
1.595/41.0	.165/4.2			M12X1.75	No Wire	HVB-10132-05
1.772/45.0	.246/6.2			M16X2.0	No Wire	HVB-10132-06
1.595/41.0				1/2-13UNC	4.8SQ/16SQ/22SQ	HVB-10132-07
1.595/41.0				M12X1.75	4.8SQ/16SQ/22SQ	HVB-10132-08
1.772/45.0				M16X2.0	16SQ/22SQ/33SQ	HVB-10132-09

## 175 kV BIL



**Horizontal Flange**

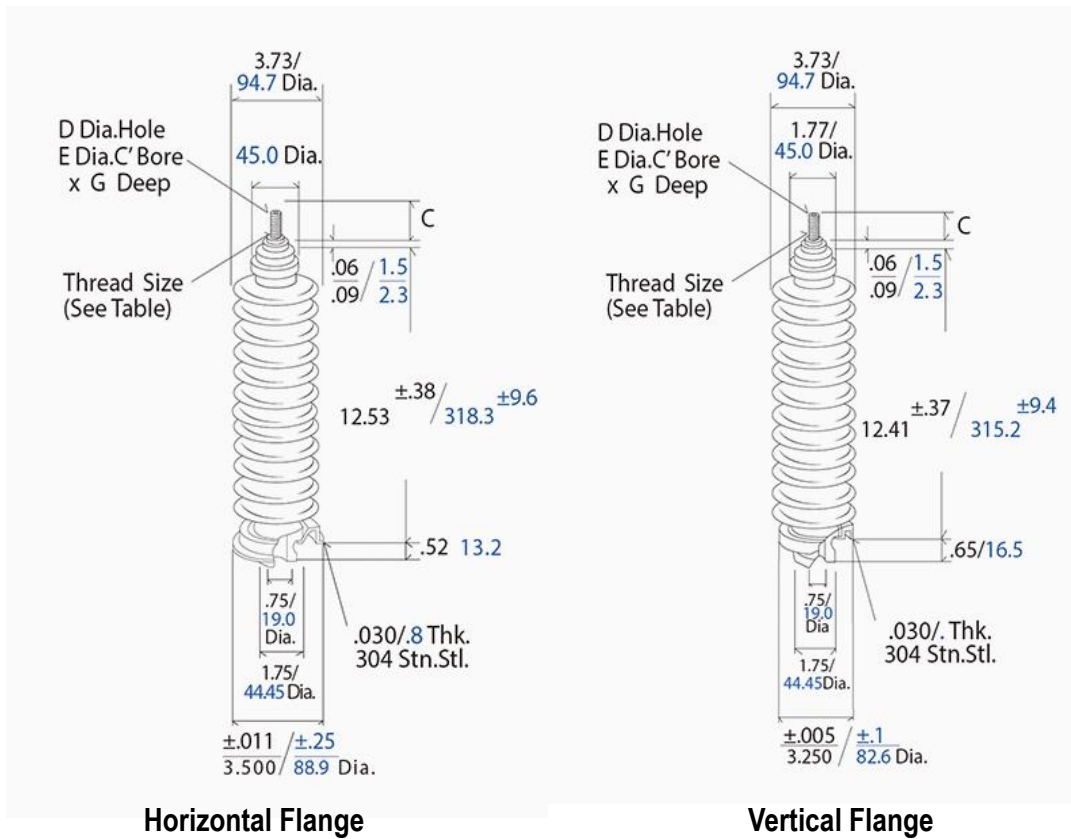


**Vertical Flange**

Average Corona Start	35KV RMS
Dry 1 Minute Withstand	90KV RMS
Wet Test Withstand	70KV RMS
Minimum Strike	8.8/223.5
Minimum Creep	23.65/600.7
Glaze Color	Grey
Average Weight	4 lb. 12 oz./2.15kg

C	D	E	G	Thread Size	Wire	CAT.NO
	.332/.8.4 cap hole			No Stud		HVB-11152-01
.100/25.4	.156/4.0	.312/7.9	.25/6.4	1/2-13 UNC	No Wire	HVB-11152-02
.100/25.4	.156/4.0	.312/7.9	.25/6.4	M12X1.75	No Wire	HVB-11152-03
1.595/41.0	.165/4.2			1/2-13UNC	No Wire	HVB-11152-04
1.595/41.0	.165/4.2			M12X1.75	No Wire	HVB-11152-05
1.772/45.0	.246/6.2			M16X2.0	No Wire	HVB-11152-06
1.595/41.0				1/2-13UNC	4.8SQ/16SQ/22SQ	HVB-11152-07
1.595/41.0				M12X1.75	4.8SQ/16SQ/22SQ	HVB-11152-08
1.772/45.0				M16X2.0	16SQ/22SQ/33SQ	HVB-11152-09

## 200 kV BIL



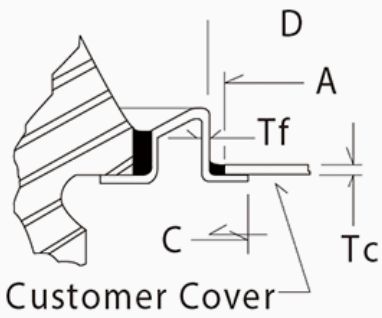
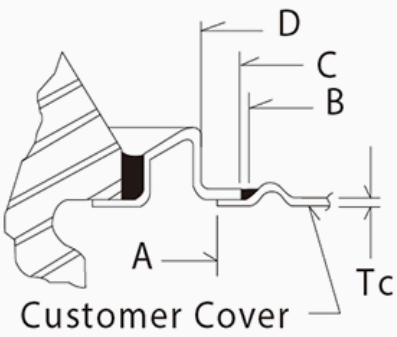
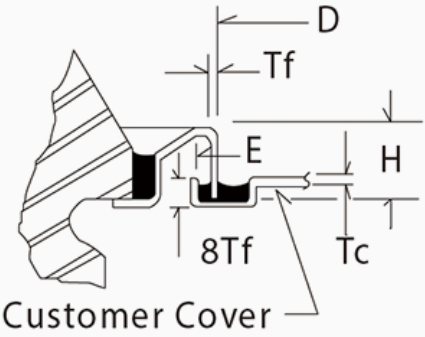
**Horizontal Flange**

**Vertical Flange**

Average Corona Start	40KV RMS
Dry 1 Minute Withstand	100KV RMS
Wet Test Withstand	80KV RMS
Minimum Strike	11.20/284.5
Minimum Creep	27.50/698.5
Glaze Color	Grey
Average Weight	6 lb. 8 oz./2.9kg

C	D	E	G	Thread Size	Wire	CAT.NO
	.332/.8.4 cap hole			No Stud		HVB-10153-01
.100/25.4	.156/4.0	.312/7.9	.25/6.4	1/2-13 UNC	No Wire	HVB-10153-02
.100/25.4	.156/4.0	.312/7.9	.25/6.4	M12X1.75	No Wire	HVB-10153-03
1.595/41.0	.165/4.2			1/2-13UNC	No Wire	HVB-10153-04
1.595/41.0	.165/4.2			M12X1.75	No Wire	HVB-10153-05
1.772/45.0	.246/6.2			M16X2.0	No Wire	HVB-10153-06
1.595/41.0				1/2-13UNC	4.8SQ/16SQ/22SQ	HVB-10153-07
1.595/41.0				M12X1.75	4.8SQ/16SQ/22SQ	HVB-10153-08
1.772/45.0				M16X2.0	16SQ/22SQ/33SQ	HVB-10153-09

### Recommended Solder



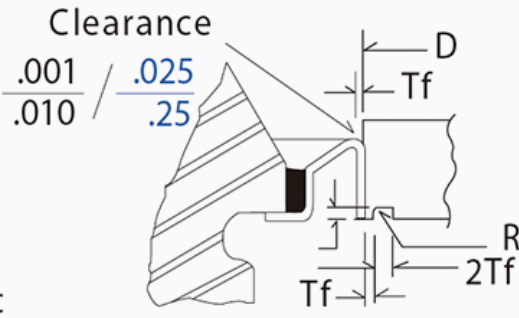
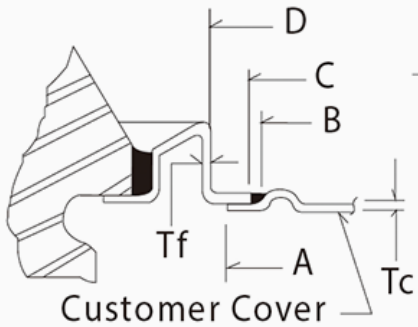
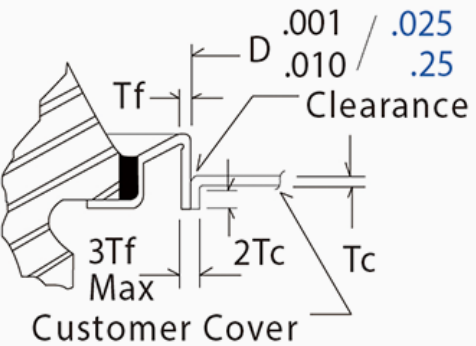
$A = D + 2Tf + .020 / .6$   
 $B = D + .060 / 1.5$

C = Flange Flat Diameter  
 D = Flange Diameter

E =  $D - 2Tf - 2Tc - .040 / 1.0$   
 H = Flange Height

Tc = Cover Thickness  
 Tf = Flange Thickness

### Recommended Weld



$A = D + 2T + .020 / .5$   
 $B = D + 2T + .020 / 0.5$

C = Flange Flat Diameter  
 D = Flange Diameter

Tc = Cover Thickness  
 Tf = Flange Thickness

R = Tf