

TYPE PSD-V-AA, PSD-V-CH-AA

Bolted Bus Support, Pipe, Slide or Tight Fit

Double ring support is designed to be corona free for 345 kV and 500 kV service.
Support is designed to be slip or tight fit depending on top caps.

Material

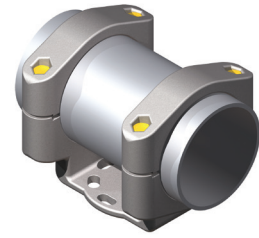
Aluminum Alloy

Hardware

Galvanized steel bolts and lockwashers for mounting.
Yellow anodized aluminum bolts, nuts, and lockwashers.

Notes

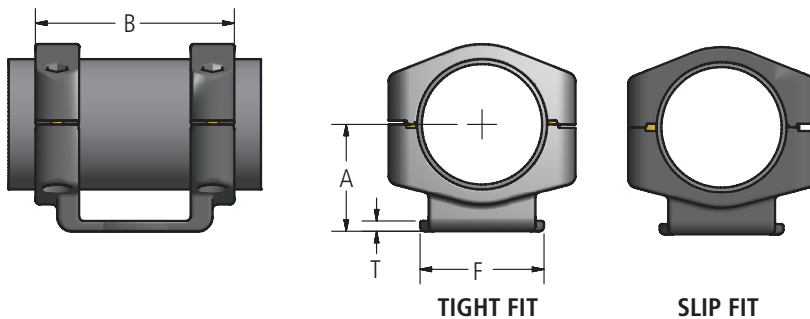
- For Grade Five galvanized steel hardware, add "-GS5" to catalog number. EX: PSD400-7-V-AA-GS5



PSD-V-AA



PSD-V-CH-AA



Ordering Information

CATALOG NUMBER		S.P.S.	BOLT CIRCLE	DIMENSIONS IN INCHES				BOLT SIZE
STANDARD	WITH CHATTER SPRING			A	B	F	T	
PSD250-5-V-AA	PSD250-5-V-CH-AA	2 1/2	5	3 1/8	9 7/8	6 1/4	17/32	1/2
PSD300-3-V-AA	PSD300-3-V-CH-AA	3	3	3 5/8	10 1/8	4 1/4	5/8	5/8
PSD300-5-V-AA	PSD300-5-V-CH-AA	3	5	3 5/8	10 1/4	6 1/4	1/2	5/8
PSD300-7-V-AA	PSD300-7-V-CH-AA	3	7	3 5/8	14 1/2	8 1/2	1/2	5/8
PSD350-5-V-AA	PSD350-5-V-CH-AA	3 1/2	5	4	10 1/4	6 1/4	1/2	5/8
PSD350-7-V-AA	PSD350-7-V-CH-AA	3 1/2	7	4	14 1/2	8 1/2	1/2	5/8
PSD400-3-V-AA	PSD400-3-V-CH-AA	4	3	4 1/2	10 1/8	4 1/4	9/16	5/8
PSD400-5-V-AA	PSD400-5-V-CH-AA	4	5	4 1/2	10 1/4	6 3/8	9/16	5/8
PSD400-7-V-AA	PSD400-7-V-CH-AA	4	7	4 1/2	14 1/2	8 1/2	1/2	5/8
PSD500-3-V-AA	PSD500-3-V-CH-AA	5	3	5	10 1/8	4 1/4	9/16	5/8
PSD500-5-V-AA	PSD500-5-V-CH-AA	5	5	5	10 1/4	6 1/4	1/2	5/8
PSD500-5/7-V-AA	PSD500-5/7-V-CH-AA	5	5 & 7	5	12 3/4	8 1/2	5/8	5/8
PSD500-7-V-AA	PSD500-7-V-CH-AA	5	7	5	12 3/4	8 1/2	5/8	5/8
PSD600-5-V-AA	PSD600-5-V-CH-AA	6	5	5 1/2	10 1/4	6 1/4	1/2	5/8
PSD600-7-V-AA	PSD600-7-V-CH-AA	6	7	5 1/2	12 3/4	8 1/2	5/8	5/8
PSD800R-5-V-AA	PSD800R-5-V-CH-AA	8 DIA	5	7 1/2	10 1/4	6 1/4	1/2	5/8
PSD800R-7-V-AA	PSD800R-7-V-CH-AA	8 DIA	7	7 1/2	12 3/4	8 1/2	5/8	5/8
PSD800-5-V-AA	PSD800-5-V-CH-AA	8	5	6 7/8	10 1/4	6 1/4	1/2	5/8
PSD800-7-V-AA	PSD800-7-V-CH-AA	8	7	6 7/8	12 3/4	8 1/2	5/8	5/8

DOSSERT® TYPE HPS-HV-AA

Hook support is designed to be corona free for 345 kV and 500 kV service. Support is designed for slip or tight fit applications; for tight fit application bus is field welded to support.

Material

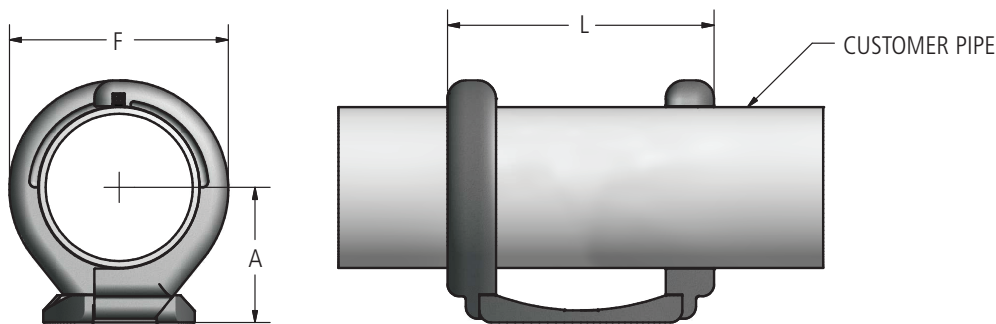
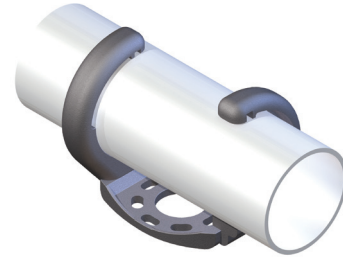
Aluminum Alloy

Mounting Hardware

Galvanized steel bolts and lockwashers.

Notes

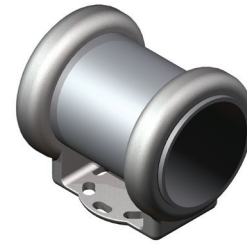
Weld in field for rigid support.



Ordering Information

CATALOG NUMBER		SPS / EHPS	BOLT CIRCLE	DIMENSIONS IN INCHES		
STANDARD	WITH CHATTER SPRING			A	B	L
HPS250-3-HV-AA	HPS250-3-HV-CH-AA	2 1/2	3	3	5 1/16	9 3/8
HPS300-3-HV-AA	HPS300-3-HV-CH-AA	3	3	3 5/8	5 1/4	9 3/8
HPS350-5-HV-AA	HPS350-5-HV-CH-AA	3 1/2	5	4	5 7/8	10 7/8
HPS400-5-HV-AA	HPS400-5-HV-CH-AA	4	5	4 1/2	6 7/8	11
HPS400-7-HV-AA	HPS400-7-HV-CH-AA	4	7	4 1/2	6 7/8	13 1/2
HPS500-5-HV-AA	HPS500-5-HV-CH-AA	5	5	5	8 1/8	11
HPS500-7-HV-AA	HPS500-7-HV-CH-AA	5	7	5	7 7/8	13 7/8
HPS600-5-HV-AA	HPS600-5-HV-CH-AA	6	5	5 1/2	9 1/8	10 7/8
HPS600-7-HV-AA	HPS600-7-HV-CH-AA	6	7	5 1/2	9 1/8	10 7/8
HPS800-5-HV-AA	HPS800-5-HV-CH-AA	8	5	6 1/2	11 3/16	11
HPS800-10-HV-AA	HPS800-10-HV-CH-AA	8	10	6 1/2	11 1/16	17 5/8

DOSSERT® TYPE WPS-V-AA, WPS-V-CH-AA Welded Ring Bus Support



Double ring support is designed to be corona free for 345 kV and 500 kV service. Support is designed to be slip or tight fit; for tight fit bus is field weld to support.

Material

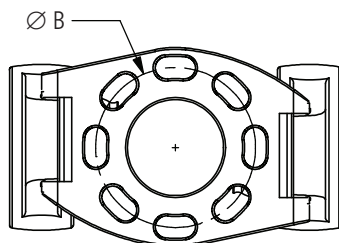
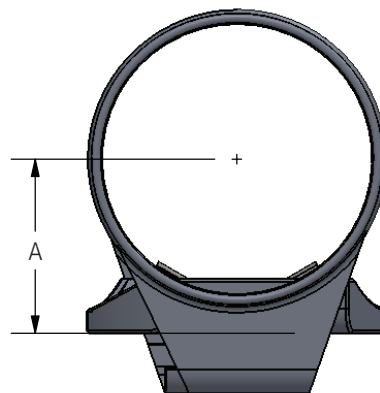
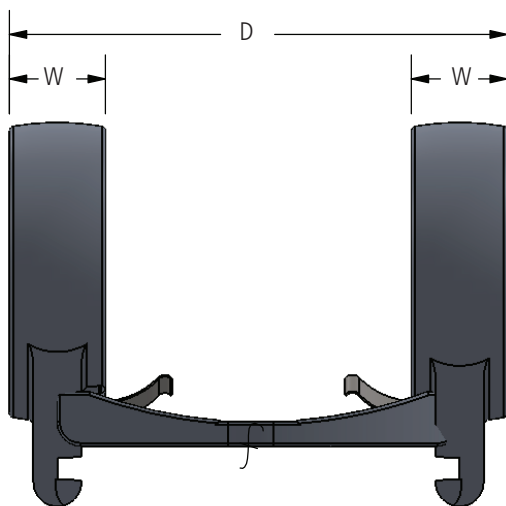
Aluminum Alloy

Mounting Hardware

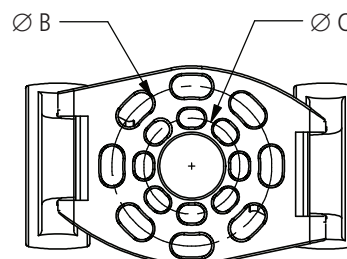
Galvanized steel bolts and lockwashers.

Notes

- For a 5" pipe, with a 5" BC, high voltage, with a chatter spring, use WPS500-5-V-CH-AA.



PAD DETAIL A



PAD DETAIL B

continued
→

DOSSERT® TYPE WPS-V-AA, WPS-V-CH-AA Welded Ring Bus Support

Ordering Information

CATALOG NUMBER		SPS	DETAIL	DIMENSIONS IN INCHES				
STANDARD	WITH CHATTER SPRING			A	B	C	D	W
WPS250-3-V-AA	WPS250-3-V-CH-AA	2.5	A	4.13	3.00	-	7.25	1.50
WPS250-5-V-AA	WPS250-5-V-CH-AA	2.5	A	4.13	5.00	-	10.00	1.50
WPS300-3-V-AA	WPS300-3-V-CH-AA	3	A	3.63	3.00	-	9.13	2.00
WPS300-3/5-V-AA	WPS300-3/5-V-CH-AA	3	B	3.63	3.00	5.00	10.38	2.00
WPS300-5-V-AA	WPS300-5-V-CH-AA	3	A	3.63	5.00	-	10.38	2.00
WPS300-5/7-V-AA	WPS300-5/7-V-CH-AA	3	B	3.63	5.00	7.00	12.88	2.00
WPS300-7-V-AA	WPS300-7-V-CH-AA	3	A	3.63	7.00	-	12.88	2.00
WPS350-3-V-AA	WPS350-3-V-CH-AA	3.5	A	4.00	3.00	-	9.13	2.00
WPS350-3/5-V-AA	WPS350-3/5-V-CH-AA	3.5	B	4.00	3.00	5.00	10.38	2.00
WPS350-5-V-AA	WPS350-5-V-CH-AA	3.5	A	4.00	5.00	-	10.38	2.00
WPS350-5/7-V-AA	WPS350-5/7-V-CH-AA	3.5	B	4.00	5.00	7.00	12.88	2.00
WPS350-7-V-AA	WPS350-7-V-CH-AA	3.5	A	4.00	7.00	-	12.88	2.00
WPS400-3-V-AA	WPS400-3-V-CH-AA	4	A	4.50	3.00	-	9.13	2.00
WPS400-3/5-V-AA	WPS400-3/5-V-CH-AA	4	B	4.50	3.00	5.00	10.38	2.00
WPS400-5-V-AA	WPS400-5-V-CH-AA	4	A	4.50	5.00	-	11.00	2.25
WPS400-5/7-V-AA	WPS400-5/7-V-CH-AA	4	B	4.50	5.00	7.00	12.88	2.00
WPS400-7-V-AA	WPS400-7-V-CH-AA	4	A	4.50	7.00	-	12.88	2.00
WPS500-3/5-V-AA	WPS500-3/5-V-CH-AA	5	B	5.00	3.00	5.00	10.38	2.00
WPS500-5-V-AA	WPS500-5-V-CH-AA	5	A	5.03	5.00	-	11.00	2.00
WPS500-5/7-V-AA	WPS500-5/7-V-CH-AA	5	B	5.00	5.00	7.00	12.88	2.00
WPS500-7-V-AA	WPS500-7-V-CH-AA	5	A	5.00	7.00	-	12.88	2.00
WPS600-3/5-V-AA	WPS600-3/5-V-CH-AA	6	B	5.50	3.00	5.00	10.38	2.00
WPS600-5-V-AA	WPS600-5-V-CH-AA	6	A	5.50	5.00	-	11.50	2.50
WPS600-5/7-V-AA	WPS600-5/7-V-CH-AA	6	B	5.50	5.00	7.00	12.88	2.00
WPS600-7-V-AA	WPS600-7-V-CH-AA	6	A	5.50	7.00	-	12.88	2.00

DOSSERT® TYPE WPSSL-V-AA

Aluminum Welded Bus Support, Slide or Fixed Type

Pipe or bus tube is welded to support. Designed for 500 kV service. The support is then bolted directly into the insulator. Bolt sleeves allow the whole support to slide on the insulator. Bolt sleeves for rigid fix support can be ordered.

Material

Aluminum Alloy

Mounting Hardware

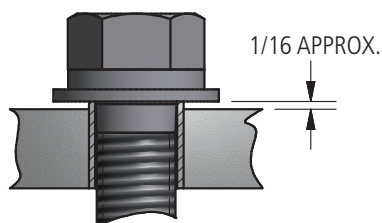
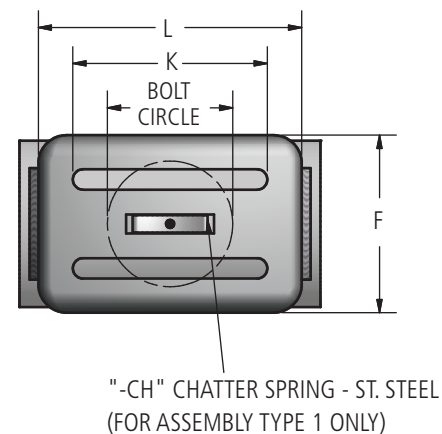
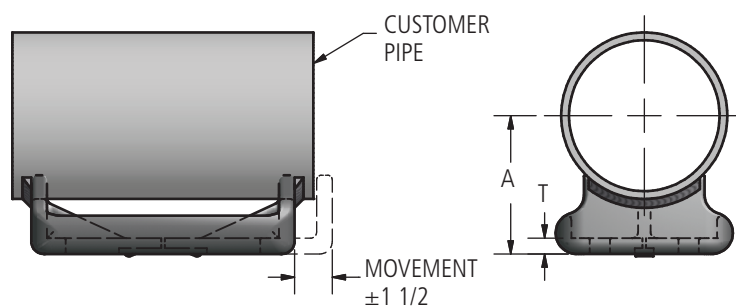
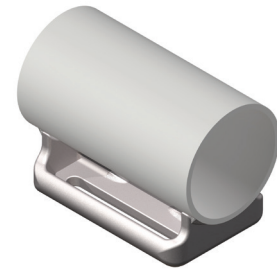
Galvanized steel bolts and lockwashers.

Notes

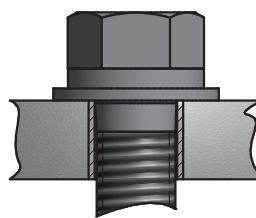
Add "-R" to catalog number for rigid fit order:
WPSSL300-5-R-V-AA

Add "-SR" for slip and rigid fix order:
WPSSL300-5-SR-V-AA

For chatter spring add "-CH" to catalog number
order: WPSSL300-5-CH-V-AA



SLIDE BUS SUPPORT
ASSEMBLY 1



RIGID FIXED BUS SUPPORT
ASSEMBLY 2

DOSSERT® TYPE WPSSL-V-AA

Aluminum Welded Bus Support, Slide or Fixed Type

Ordering Information

CATALOG NUMBER		SPS ALUM	BOLT CIRCLE	DIMENSIONS IN INCHES					BOLT SIZE
STANDARD	WITH CHATTER SPRING			A	F	K	L	T	
WPSSL250-3-V-AA	WPSSL250-3-CH-V-AA	2 1/2	3	3 1/8	4 3/4	5 1/2	8 1/2	1/2	1/2
WPSSL250-5-V-AA	WPSSL250-5-CH-V-AA	2 1/2	5	3 1/8	6 3/4	7 1/2	10 1/2	1/2	5/8
WPSSL250-7-V-AA	WPSSL250-7-CH-V-AA	2 1/2	7	3 1/8	8 3/4	9 1/2	12 1/2	1/2	3/4
WPSSL300-3-V-AA	WPSSL300-3-CH-V-AA	3	3	3 5/8	4 3/4	5 1/2	8 1/2	1/2	1/2
WPSSL300-5-V-AA	WPSSL300-5-CH-V-AA	3	5	3 5/8	6 3/4	7 1/2	10 1/2	1/2	5/8
WPSSL300-7-V-AA	WPSSL300-7-CH-V-AA	3	7	3 5/8	8 3/4	9 1/2	12 1/2	1/2	3/4
WPSSL350-3-V-AA	WPSSL350-3-CH-V-AA	3 1/2	3	4	4 3/4	5 1/2	8 1/2	5/8	1/2
WPSSL350-5-V-AA	WPSSL350-5-CH-V-AA	3 1/2	5	4	6 3/4	7 1/2	10 1/2	5/8	5/8
WPSSL350-7-V-AA	WPSSL350-7-CH-V-AA	3 1/2	7	4	8 3/4	9 1/2	12 1/2	5/8	3/4
WPSSL400-3-V-AA	WPSSL400-3-CH-V-AA	4	3	4 1/2	4 3/4	5 1/2	8 1/2	5/8	1/2
WPSSL400-5-V-AA	WPSSL400-5-CH-V-AA	4	5	4 1/2	6 3/4	7 1/2	10 1/2	5/8	5/8
WPSSL400-7-V-AA	WPSSL400-7-CH-V-AA	4	7	4 1/2	8 3/4	9 1/2	12 1/2	5/8	3/4
WPSSL500-3-V-AA	WPSSL500-3-CH-V-AA	5	3	5	4 3/4	5 1/2	8 1/2	5/8	1/2
WPSSL500-5-V-AA	WPSSL500-5-CH-V-AA	5	5	5	6 3/4	7 1/2	10 1/2	5/8	5/8
WPSSL500-7-V-AA	WPSSL500-7-CH-V-AA	5	7	5	8 3/4	9 1/2	12 1/2	5/8	3/4
WPSSL600-3-V-AA	WPSSL600-3-CH-V-AA	6	3	5 1/2	4 3/4	5 1/2	8 1/2	5/8	1/2
WPSSL600-5-V-AA	WPSSL600-5-CH-V-AA	6	5	5 1/2	6 3/4	7 1/2	10 1/2	5/8	5/8
WPSSL600-7-V-AA	WPSSL600-7-CH-V-AA	6	7	5 1/2	8 3/4	9 1/2	12 1/2	5/8	3/4
WPSSL800R-3-V-AA	WPSSL800R-3-CH-V-AA	8" O.D.	3	6 1/2	4 3/4	5 1/2	8 1/2	5/8	1/2
WPSSL800R-5-V-AA	WPSSL800R-5-CH-V-AA	8" O.D.	5	6 1/2	6 3/4	7 1/2	10 1/2	5/8	5/8
WPSSL800R-7-V-AA	WPSSL800R-7-CH-V-AA	8" O.D.	7	6 1/2	8 3/4	9 1/2	12 1/2	5/8	3/4

DOSSERT® TYPE 34700 EHV

Welded Vertical Bus Support

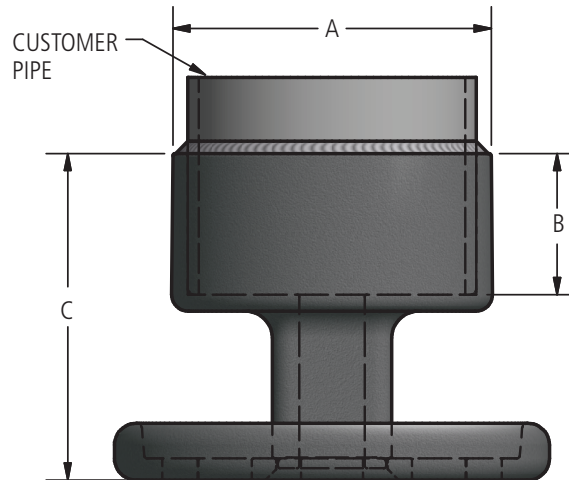
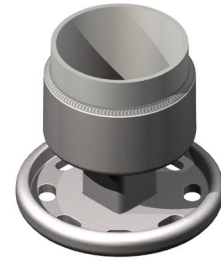
Vertical end support is designed to be corona free for 345 kV and 500 kV service. Slotted bolt holes in base provide for misalignment of insulator.

Material

Aluminum Alloy

Mounting Hardware

Galvanized steel bolts and lockwashers.



Ordering Information

CATALOG NUMBER	CONDUCTOR SIZE	DIMENSIONS IN INCHES			NOMINAL WEIGHT LBS
	SPS & EPHS	A	B	C	
5" BOLT CIRCLE					
34708-5 EHV	3	4.12	1.75	6.25	6.1
34709-5 EHV	3-1/2	4.69	2.00	6.50	6.4
34710-5 EHV	4	5.19	2.25	6.75	6.8
34712-5 EHV	5	6.25	2.75	7.25	7.5
34713-5 EHV	6	7.38	3.25	7.75	9.0
7" BOLT CIRCLE					
34708-7 EHV	3	4.12	1.75	6.25	8.1
34709-7 EHV	3-1/2	4.69	2.00	6.50	8.4
34710-7 EHV	4	5.19	2.25	6.75	8.8
34712-7 EHV	5	6.25	2.75	7.25	9.5
34713-7 EHV	6	7.38	3.25	7.75	11.0
34715-7 EHV	8 OD	9	4.25	8.75	13.0
34716-7 EHV	8	9.38	4.25	8.75	13.0

DOSSERT® TYPE WXBC-V-AA

Welded Expansion Bus Support Rated for 345 kV

Material

Aluminum Alloy

Notes

For chatter spring add "-CH" to catalog number, order: WXBC500-5-V-CH-AA.

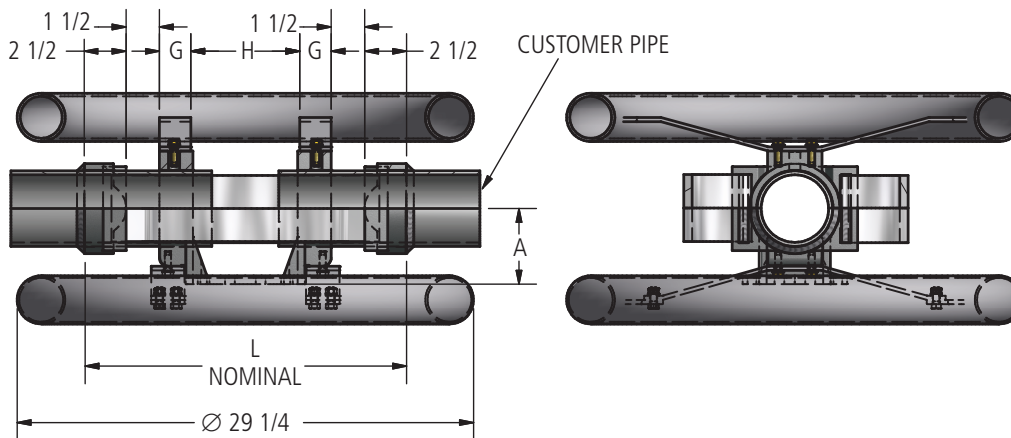
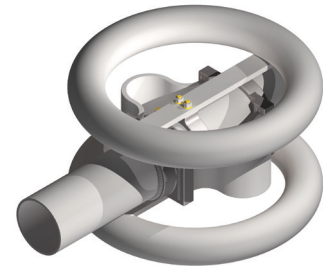
Hardware

Galvanized steel mounting hardware included.

Stainless steel bolts, lockwashers, and flatwashers.

For end plugs add "-WP" to catalog

number, order: WXBC500-5-V-AA-WP.



Ordering Information

CATALOG NUMBER		SPS	SCHEDULE NUMBER	BOLT CIRCLE	DIMENSIONS IN INCHES			
STANDARD	WITH CHATTER SPRING				A	G	H	L
WXBC300-5-V-AA	WXBC300-5-V-CH-AA	3	40	5	3 5/8	1 1/4	6 1/4	16 3/8
WXBC350-5-V-AA	WXBC350-5-V-CH-AA	3 1/2	40	5	4	1 1/4	6 1/4	16 3/8
WXBC400-5-V-AA	WXBC400-5-V-CH-AA	4	40	5	4 1/2	2	6 1/4	18 1/4
WXBC400-7-V-AA	WXBC400-7-V-CH-AA	4	40	7	4 1/2	2	8 1/2	20 1/2
WXBC400E-5-V-AA	WXBC400E-5-V-CH-AA	4	80	5	4 1/2	2	6 1/4	18 1/4
WXBC500-5-V-AA	WXBC500-5-V-CH-AA	5	40	5	5	2	6 1/4	18 1/4
WXBC500E-5-V-AA	WXBC500E-5-V-CH-AA	5	80	5	5	2	6 1/4	18 1/4
WXBC500-7-V-AA	WXBC500-7-V-CH-AA	5	40	7	5	2	8 1/2	20 1/2
WXBC600-5-V-AA	WXBC600-5-V-CH-AA	6	40	5	5 1/2	2	6 1/4	18 1/4
WXBC600-7-V-AA	WXBC600-7-V-CH-AA	6	40	7	5 1/2	2	8 1/2	20 1/2
WXBC600E-5-V-AA	WXBC600E-5-V-CH-AA	6	80	5	5 1/2	2	6 1/4	18 1/4
WXBC800E-5-V-AA	WXBC800E-5-V-CH-AA	8	80	5	6 7/8	2	6 1/4	18 1/4
WXBC800R-5-V-AA	WXBC800R-5-V-CH-AA	8" O.D.	-	5	7 1/2	2	6 1/4	18 1/4

Each item should be either SCH 40 or SCH 80 (E).

DOSSERT® TYPE 15700 EHV

Support, Bolted, Slip & Fixed

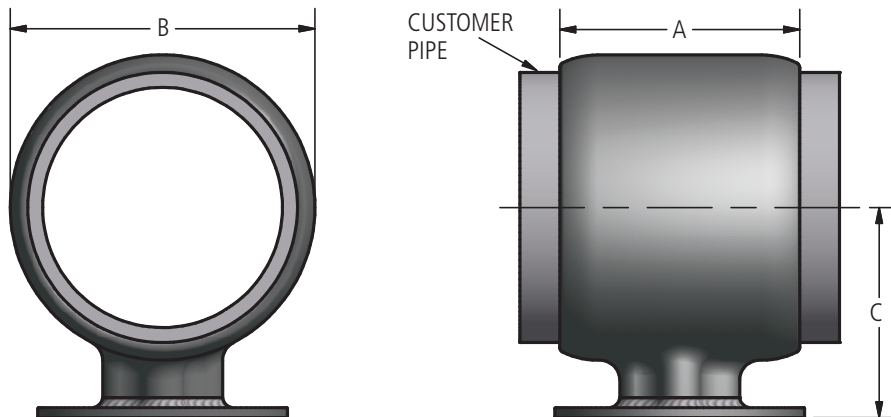
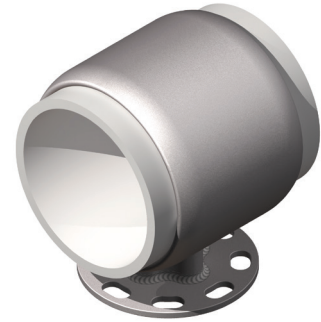
Single ring support is designed to be corona free for 345 kV and 500 kV service. Support is designed to be slip or tight fit; for tight fit bus is field welded to support. Stainless steel chatter springs are supplied as standard item for slip fit applications.

Material

Aluminum Alloy

Mounting Hardware

Galvanized steel bolts and lockwashers.



Ordering Information

CATALOG NUMBER	CONDUCTOR SIZE	DIMENSIONS IN INCHES			NOMINAL WEIGHT LBS
	SPS & EPHS	A	B	C	
5" BOLT CIRCLE					
15708-5 EHV	3	3.00	4.44	3.62	3.2
15709-5 EHV	3 1/2	3.50	5.00	4.00	3.8
15710-5 EHV	4	4.00	5.56	4.50	4.6
15712-5 EHV	5	5.00	6.44	5.00	5.4
15713-5 EHV	6	6.00	7.62	5.50	7.7
7" BOLT CIRCLE					
15708-7 EHV	3	3.00	4.44	3.62	4.3
15709-7 EHV	3 1/2	3.50	5.00	4.00	4.9
15710-7 EHV	4	4.00	5.56	4.50	5.7
15712-7 EHV	5	5.00	6.44	5.00	6.5
15713-7 EHV	6	6.00	7.62	5.50	8.8

DOSSERT® TYPE 32800 EHV

Support, Bolted, Wave Trap-Type

Wave trap support is designed to be corona free for 345 kV and 500 kV service. Support is combination wave trap support and tight fit bus support designed with standard bolt circle pattern on top and bottom mounting surfaces. Support is supplied with bus clamp hardware and two sets of insulator mounting hardware. Distance from the centerline of the bus to top and bottom mounting surfaces is standard NEMA center line distance.

Material

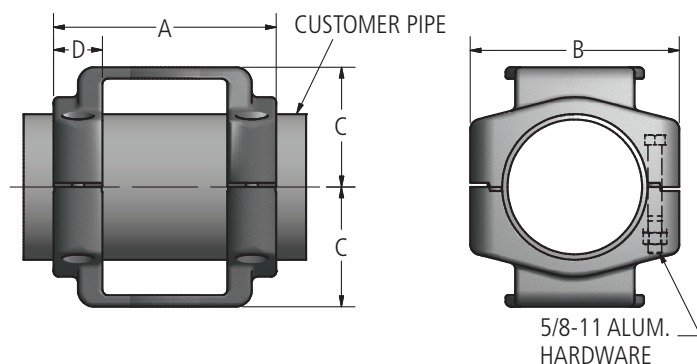
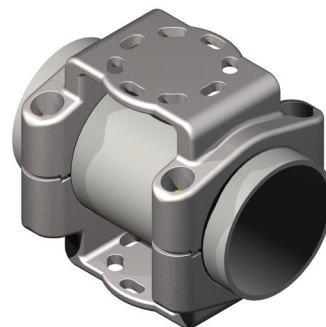
Aluminum Alloy

Mounting Hardware

Galvanized steel bolts and lockwashers.

Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.



Ordering Information

CATALOG NUMBER	CONDUCTOR SIZE	DIMENSIONS IN INCHES				NOMINAL WEIGHT LBS
	SPS AND EPHS	A	B	C	D	
5" BOLT CIRCLE						
32807-5EHV	2 1/2	10.50	6.00	3.13	2.00	7.8
32808-5 EHV	3	10.50	7.25	3.62	2.00	8.8
32809-5 EHV	3 1/2	11.00	7.75	4.00	2.25	13.1
32810-5 EHV	4	11.00	8.25	4.50	2.25	15.8
32812-5 EHV	5	11.50	9.50	5.00	2.50	19.1
32813-5 EHV	6	11.50	10.50	5.50	2.50	19.7
7" BOLT CIRCLE						
32808-7 EHV	3	12.75	7.25	3.62	2.00	11.0
32809-7 EHV	3 1/2	13.25	7.75	4.00	2.25	14.9
32810-7 EHV	4	13.25	8.25	4.50	2.25	17.6
32812-7 EHV	5	13.75	9.50	5.00	2.50	20.9
32813-7 EHV	6	13.75	10.50	5.50	2.50	21.5

DOSSERT® TYPE 35700 EHV

Expansion support is designed to be corona free for 500 kV service. Rope lay expansion provides for 2.6" (66 mm) of expansion or contraction. Dimension "D" shown is for an installation temperature of 68° F (20° C). For other installation temperatures, see the General Information Section on page 11 in the Substation Accessories catalog. Stainless steel chatter springs are supplied; weld end plugs can be supplied if required.

Material

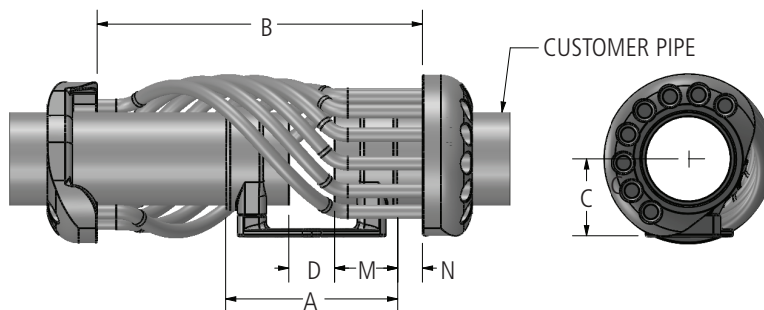
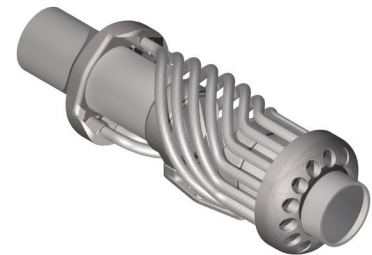
Aluminum Alloy

Mounting Hardware

Galvanized steel bolts and lockwashers.

Notes

- For end plugs, add "-WP" to catalog number for Schedule 40 pipe, "-WPE" for Schedule 80. EX: 35712-7EHV-WPE.



Ordering Information

CATALOG NUMBER	CONDUCTOR SIZE	DIMENSIONS IN INCHES						NOMINAL WEIGHT LBS
	SPS & EPHS	A	B	C	D	M	N	
5" BOLT CIRCLE								
35708-5 EHV	3	10.50	20.50	3.62	3.25	3.62	1.75	21.0
35709-5 EHV	3 1/2	11.00	21.94	4.00	3.25	3.88	1.75	22.0
35710-5 EHV	4	11.00	21.94	4.50	3.25	3.88	1.75	23.0
35712-5 EHV	5	11.50	20.62	5.00	3.25	4.12	1.75	26.0
35713-5 EHV	6	11.50	23.12	5.50	3.25	4.12	1.75	34.0
35714-5 EHV	8	12.75	25.00	6.91	3.25	6.50	1.75	40.0
7" BOLT CIRCLE								
35708-7 EHV	3	12.75	22.75	3.62	3.25	4.75	1.75	22.0
35709-7 EHV	3 1/2	13.25	24.19	4.00	3.25	5.00	1.75	23.0
35710-7 EHV	4	13.25	24.19	4.50	3.25	5.00	1.75	24.0
35712-7 EHV	5	13.75	22.88	5.00	3.25	5.25	1.75	27.0
35713-7 EHV	6	13.75	25.38	5.50	3.25	5.25	1.75	35.0