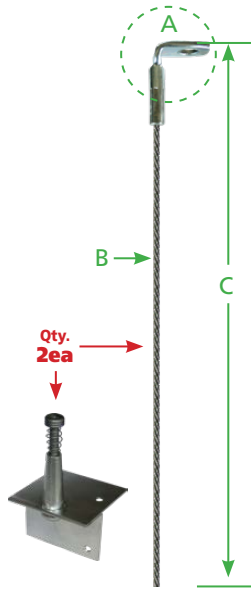


Fig. 822

Rectangular Duct - DSCU Upper Attachment



- Provides support for Rectangular Duct up to 60" wide per SMACNA
- Quick installation and adjustment
- No tools required for adjustment
- Fasteners are selected and pre-staked for Concrete, Steel or Wood attachments
- Engineered as a COMPLETE ASSEMBLY!
- Assembly maximum capacities vary by substrate and embedment. **Refer to the guidelines on the next page and tables below for useable loads**
- SMACNA Testing and Research Institute verified
- Manufactured to ASTM A1023 and ASTM A931

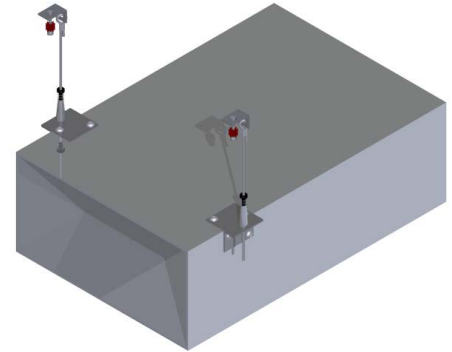
Assembly contains:

- 2ea Cable arms with selected anchors
- 2ea DSCU Brackets

SMACNA
TESTING & RESEARCH
INSTITUTE



4ea #10 screws must be installed in each clip



Contractor:		Ship to Address:	
PO#		Order Date:	
**All Orders are Custom and Therefore Non-cancellable and Non-returnable			

Cable Assembly Capacity	
3/32" Cable	100#
1/8" Cable	200# per set

Capacities are based on tests performed into a minimum of 24g duct.

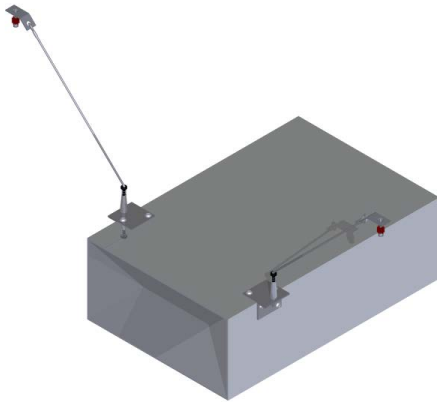
	A(6**)	B	C	Qty
Fig 822				
Fig 822				
Fig 822				

A						B		C	
Attachment to Structure ¹						Cable Diameter		Cable Length	
	Concrete Connections	Fastner Capacity		Wood Connections	Fastner Capacity				
600-1	Dewalt Pin & Clip (1-1/8" Embed.) ²	120#	640-1	Wood Eyelag - 1/4" x 3"	323#	*01	1/16" Cable	*01	3'
600-2	Dewalt Pin & Clip (7/8" Embed.) ²	55#	640-2	Wood Eyelag - 1/4" x 4"	323#	*02	3/32" Cable	*02	6'
600-3	Ramset Pin & Clip (1-1/8" Embed.) ²	94#	640-3	Wood Eyelag - 1/4" x 5"	323#	*03	1/8" Cable	*03	9'
600-4	Ramset Pin & Clip (3/4" Emb.) ²	59#	641	Timberpin	100#			*04	12'
601-1	90° Clip and 1/4" x 1-7/8" Titen HD	107#	Cast-in-Place Connections		Load			*05	15'
601-2	90° Clip and 3/8" x 2-1/2" Titen HD	221#	660	Pigtail Loop - 20g Deck (No Fill)	133#			*06	18'
602-1	90° Clip and 1/4" x 2-1/4" Wedge Anchor	701#		Pigtail Loop - 20g Deck with LWC	300#			*07	21'
602-2	90° Clip and 3/8" x 3" Wedge Anchor	349#	661	Rebar Tie - 22g Deck (No Fill)	375#			*08	24'
605	Tie Wire Wedge Anchor (1/4" Dia.)	330#		Rebar Tie - 22g Deck with LWC	375#			*09	27'
606	Tie Wire Spike Anchor (1/4" Dia.)	270#	665	3/8 x 2-1/2" Stud (PIP Blue Banger)	400#			*10	30'
	Steel Connections	Load	667	3/8 x 5" Stud (SDI Blue Banger)	400#			*25	Custom
620	Loop Connection	80#	668	3/8 x 2-1/2" Stud (PIP PushRod)	400#				
621-1	Metal Eyelag - 1/4" x 3/4" (2" OAL) 20g	125#	669	3/8 x 5" Stud (SDI PushRod)	400#				
621-2	Metal Eyelag - 1/4" x 2" (3-1/4" OAL) 20g	125#	689	Swage Fit Toggle	360#				
622	Bar Joist Pull-down Clamp	300#	Angle Clip Only		Load				
623	Hammer-on Beam Clamp	200#	682	90° Bracket with 1/4" Anchor Hole	N/A				
624-1	90° Clip and #10 HWH Self Driller (20g)	62#	683	90° Bracket with 3/8" Anchor Hole	N/A				
624-2	90° Clip and #10 HWH Sharp Point (22g)	77#	685	BX Battery-Actuated Tool Bracket ⁴	110				
628	Snaphook for 1/4" Hole	106#							

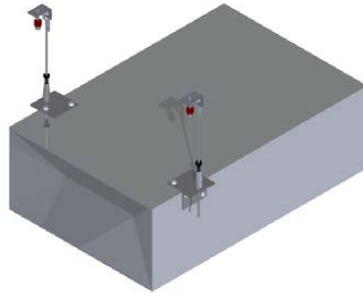
FOOTNOTES:

- 1) Attachment Capacities listed above are worst case. For values into specific substrate conditions refer to tables.
- 2) For projects in Design Category C Ip>1.0 and D, E & F Ip=all Power Actuated Fasteners are limited to 90#. (OSHPD Projects 70#).
- 3) Capacity is for BX Battery-Actuated Tool Bracket only. Fastener and design of fastener to structure by others.

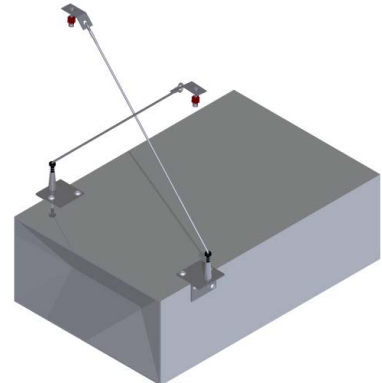
Rectangular Duct - DSCU Upper Attachment Fig 822



OUTBOUND



VERTICAL



INBOUND

When cables are not attached vertical refer to page GN-1 for the appropriate reductions that must be taken for the attachment to Structure.

How to determine the Wedgy Complete Assembly Capacity

Step 1:

- Determine the capacity of the attachment to structure and multiply the capacity by 2.
- Determine the Cable Assembly Capacity.

Cable Assembly Capacity	
3/32" Cable	100#
1/8" Cable	200# per set

Capacities are based on tests performed into a minimum of 24g duct.

Step 2:

The lessor of the 2 values is the Wedgy Complete Assembly Capacity

Example				Actual	
	Variable	Capacity		Variable	Capacity
Attachment to Structure	600-1 Pin and Clip	120#	X 2 =	240#	
Cable Assembly Capacity	3/32" Cable	100#	X 2 =	200#	
Wedgy Complete Assembly Capacity				200#	
				Wedgy Complete Assembly Capacity	

FOOTNOTES:

- Attachment Capacities listed above are worst case. For values into specific substrate conditions refer to tables.
- For projects in Design Category C Ip>1.0 and D, E & F Ip=all Power Actuated Fasteners are limited to 90#. (OSHDP Projects 70#)

Refer to duct weights to determine support spacing requirements



CONSTRUCTION ENGINEERED ATTACHMENT SOLUTIONS

It's What We Do!