

Submittal Data

TRAPEZE FASTENER

Single channel Gripple fastener for use with No.3 Gripple hangers:



Size:
No.3

Max. Safe Working Load:
No.3 200 lbs

FUNCTION:

The suspension of HVAC, Mechanical & Electrical services in conjunction with strut in an indoor stationary setting.

APPLICATION:

Ideal for single or multi-tiered installations and low void ceilings. Available in a kit with cable and choice of pre-attached end fixing.

LOAD RATING:

Trapeze hangers have a 3:1 safety factor.

MATERIAL SPECIFICATION:

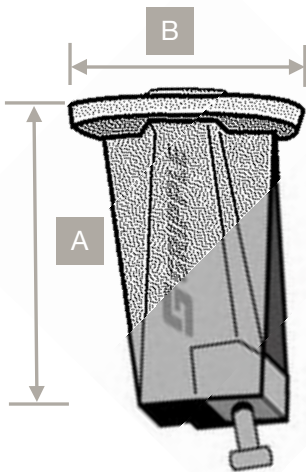
Trapeze Fastener: Housing Type ZA2 Zinc
Wedge Sintered steel hardened to min. 56 Rockwell C
Spring Stainless Steel (Type 302)
End Cap UV stabilized homopolymer polypropylene

Cable:

Galvanized high tensile steel cable to EN12385.
Standard lengths from 5ft-30ft, other lengths can be made to order.

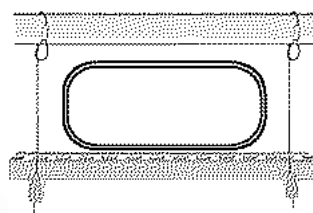
	No.3
Cable Diameter (in.)	1/8
Strand configuration	1x19
Min. breaking load (lbs)	1,278
Max. safe working load (lbs)	200
Tensile strength (lbs/sq. in.)	256,700

Size Specs

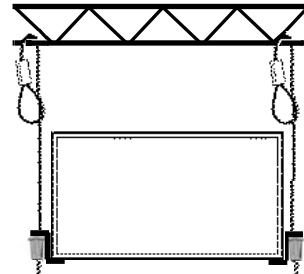


Size	A (in.)	B (in.)
No. 3	3/4"	9/16"

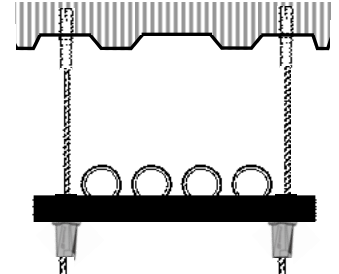
Application Examples



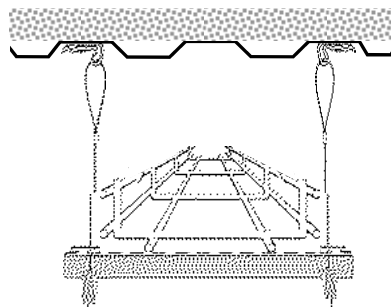
Oval Duct



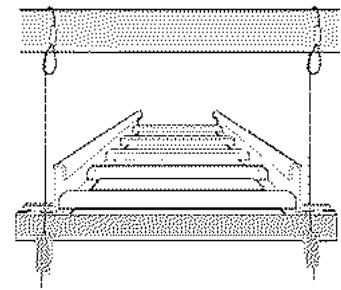
Rectangular Duct
With Gripple Trapeze Brackets



Pipework



Cable Basket



Ladder Tray

Submittal Data

DUCT TRAPEZE

Single channel Gripple fastener with integral bracket for use with No.2 Gripple hangers:



Size:
No.2

Max. Safe Working Load:
No.2 100 lbs

FUNCTION:

The suspension of rectangular ductwork, fan coil units, and other suitable services in an indoor stationary setting.

APPLICATION:

Attaches to service at three points with self-tapping screws. Comes in a kit with cable and choice of pre-attached end fixing.

LOAD RATING:

All Duct Trapeze products have a 5:1 safety factor.

MATERIAL SPECIFICATION:

Trapeze Fastener:

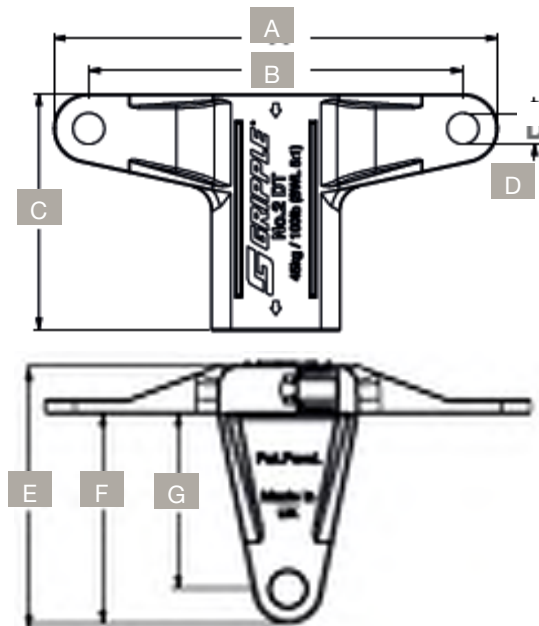
Housing	Type ZA2 Zinc
Wedge	Sintered steel hardened to min. 56 Rockwell C
Spring	Stainless Steel (Type 302)
End Cap	UV stabilized homopolymer polypropylene

Cable:

Galvanized high tensile steel cable to EN12385.
Standard lengths from 5ft-30ft, other lengths can be made to order.

	No.2
Cable Diameter (in.)	5/64
Strand configuration	7x7
Min. breaking load (lbs)	573
Max. safe working load (lbs)	100
Tensile strength (lbs/sq. in.)	256,700

Size Specs



Dimension	Inches	Dimension	Inches
A	2 3/4"	E	1 1/2"
B	2 3/8"	F	1 7/32"
C	1 1/2"	G	1"
D	Ø 13/64"		

Application Examples



Rectangular Ductwork



Rectangular Ductwork
(double tier)

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: August 26, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mark Schaefer

Project No. WT 14127.01

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	238800M03	(Submittal No.'s) (R&B CxSRC)
		(Cannon #238800-006) - (Paric #15051-0194) - (WES #607)
		• Ductwork Hangers and Supports

Remarks:

c: **Kelvin Patel**
Kpatel@cannondesign.com

☒

Furnish as Submitted

☐

Furnish as Noted

☐

Rejected

☐

Revise & Resubmit

☐

Reviewed

☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

WTASHOP - Webster ISB - 23 8800-006

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 8/19/2016 1:06 PM
Subject: Webster ISB - 23 8800-006
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>
Attachments: 238800-006 Ductwork Hangers and Supports.pdf

Attached for review.

Melissa Pirtle
Construction Admin

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T [314.425.8797](tel:314.425.8797) • M
cannondesign.com

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICAL	☐

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE

- ☐ **A. No Exceptions Taken**
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**
Incorporate corrections in work;
resubmission is not required.
- ☐ **C. Revise and Resubmit**
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**
Submittal is not in compliance with Contract Documents;
provide new submittal.
- ☐ **E. For Record / Information Only**
Submittal was reviewed for Record / Information
purposes only.
- ☐ **F. Not Required for Review**
Submittal is not required by Contract Documents
and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings ☐ Certification / Qualifications ☐ Coordination Drawing
☐ Samples ☐ Record Documents ☐ Calculations
 (_____ copies) ☐ Product Data ☐ Schedules
☐ LEED Submittal ☐ O&M Manuals
☐ Other

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

By:
Devin D. Gates

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0194

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 08/18/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Ductwork Hangers and Supports

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:		SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings		☒ Approval	☐ Approved as Submitted
☐ Letter		☐ Your Use	☐ Approved as Noted
☐ Prints		☐ As Requested	☐ Returned After Loan
☐ Change Order		☐ Review and Comment	☐ Resubmit
☐ Plans			☐ Submit
☐ Samples		SENT VIA:	☐ Returned
☐ Specifications		☐ Attached	☐ Returned for Corrections
☒ Other: Product Data		☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		238800-006	1		08/18/2016	Ductwork Hangers and Supports	Submitted

NOTES:

CC:

Signed: _____
Devin Gates



Mechanical

LETTER OF TRANSMITTAL

TO: Paric Corporation

77 West Port Plaza #250

St. Louis, MO 63146

ATTN: Jason Szachnieski, Devin Gates

DATE: 8/17/16

JOB #: 5768

RE: Webster ISB

We are sending you

☒

Shop drawings

☐ Attached

☐ Prints

☐ Under separate cover

☐ Plans

☐ Samples

☐ Specifications

☐ Copy of letter

☐ Change order

☐ Other

COPIES	DATE	NO.	DESCRIPTION
1	8/17/16	238800-2.5	Ductwork Hangers and Supports

These are transmitted as checked below:

☐ For signature

☐ For your use

☐ As requested

☐ For bids due

☒

For review and comment

☐ Approved as submitted

☐ Approved as noted

☐ Returned for corrections

☐ Prints returned after loan to us

☐ Other

☐ Resubmit

☒ Submit

☐ Return

☐ copies for approval

☐ copies for distribution

☐ corrected prints

Remarks: Please return by 8/24/16

Gripple Pending AHJ Approval. Verbal Approval given. Waiting on Formal Approval Document. Will Forward to Design Team Once in Hand.

COPY TO: file

SIGNED:

Alex Chambers



Mechanical

Webster University ISB Webster Groves, MO

Submittal #:

238800-2.5

Submittal Description:

Ductwork Hangers and Supports

Return By:

8/24/16

Please Note: To avoid scheduling delays and equipment release delays, please submit by the "Return By" date.

CHECKED BY:			
DESIGNER:		ENGINEER:	
☒	NO EXCEPTION TAKEN	☐	MAKE CORRECTIONS NOTED
☐	SUBMIT SPECIFIED ITEM	☐	REVISE AND RESUBMIT
☐	REJECTED	☐	
Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the requirements of the plans and specifications. Equipment supplier is responsible for: dimensions which shall be confirmed and correlated at the job site; fabrication processes and techniques of construction; coordination of his work with that of all other trades; and satisfactory performance of his work.			
		Job #:	5768
		Date:	8/17/16
		By:	ARC