



1

2

3

4

5

6

7

8

9

10

**Typical weights per 10' Sch. 40 steel pipe.**

	IPS											
	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"	12"	14"	16"
Empty Pipe	36.60	57.58	75.80	91.10	108.00	147.00	190.00	286.00	405.00	536.00	633.00	828.00
Pipe w/H2O	51.14	78.73	107.81	133.97	163.16	233.74	315.20	502.80	746.60	1021.00	1219.40	1593.80

**Master Base Load Data**

	Footprint (sq.in.)	Max weight (Lbs) +/- 2% tolerance	PSI to roof At Max. Wt.	Recommended Max. IPS @ 8' O.C. +/- 2% tolerance	
				Single Pipe	Double Pipe
MB-815	120	250	2.08	6" or <	4" or <
MB-1416	224	500	2.23	6"-10"	8" or <
MB-2020	400	800	2.00	10"-16"	10" or <

**Calculation Chart for typical trapeze applications**

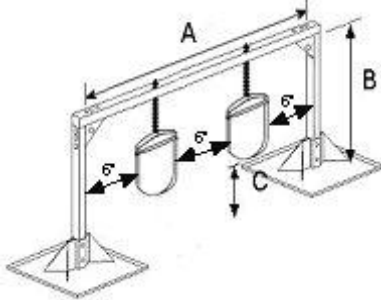
**Support system for (2) Pipes maintaining 6" roof clearance with +/- 6"-12 adjustability**

Hanger Size	2	2-1/2	3	4	6	8	10	12	14	16
Hanger (vertical dimension)	4-1/2	4-1/2	6-1/2	7-13/16	10-1/4	12-11/16	15-1/4	17-15/16	19-9/16	22
Hanger (horizontal dimension)	4	4 1/2	6	7	10	12	14	17	19	21
Horizontal (Inside to Inside)	26	28	30	32	38	42	46	52	56	60
Vertical Strut (Roof to Horizontal)	24	24	26	26	28	32	32	36	38	40
ATR Length	12	12	12	12	12	12	12	12	12	12

**C. Custom Assembly Dimensions:**

**Trapeze Dimensions:**

(Single segment w/2 hangers)



**Pipe Run Configuration:**

- A-Horizontal inside to inside verticals
- B-Vertical Strut Height
- C-Clearance from hanger base to roof
- Number of segments
- Number of Hangers per Segment

	1	2	3	4	5	6	7	8	9	10
A										
B										
C										
Number of segments										
Number of Hangers per Segment										

**D. Pipe Data and Estimated Quantities**

Run Conf	Type of Pipe	Pipe Content	IPS / Duct Size	Insulation Thickness	Hanger Size(s)	Total Run	Space	Run Qty.	Add	Est. Qty. Supports	MAPA Model
1			+	=		÷	=	+	=	→	
2			+	=		÷	=	+	=	→	
3			+	=		÷	=	+	=	→	
4			+	=		÷	=	+	=	→	
5			+	=		÷	=	+	=	→	
6			+	=		÷	=	+	=	→	
7			+	=		÷	=	+	=	→	
8			+	=		÷	=	+	=	→	
9			+	=		÷	=	+	=	→	
10			+	=		÷	=	+	=	→	

**Note:**

- Type of pipe (i.e. Steel, PVC, Copper, Stainless, Duct etc...)
- Pipe Content (i.e. H<sub>2</sub>O, Steam, Natural Gas etc...)
- Duct Size O.D. of duct including any insulation.
- Add (app. increase of 10% for pipe turns, tees etc...)