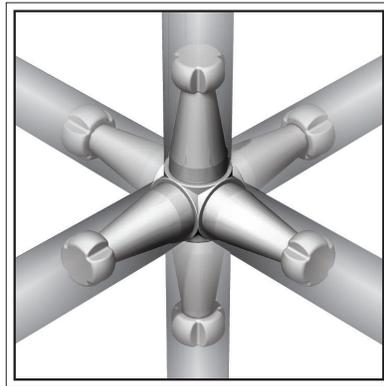


# abstracta assembly guide



“the original modular display system”



# tubes and connectors

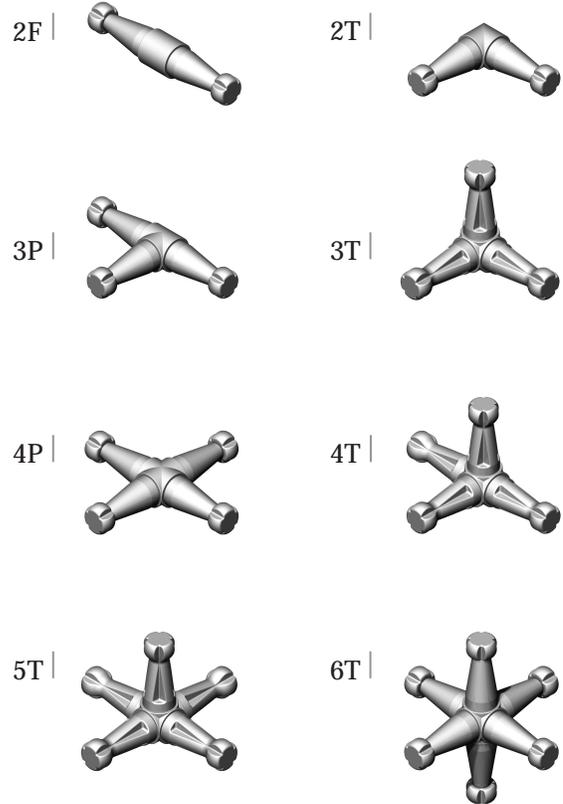
## Important:

Before beginning to assemble, compare the packing slip to the components received. Do not mix components. Line up your tubes in successive lengths. A unit sketch drawing is attached if you have ordered a stock or custom design.

## Recommended Tools:

- a nylon or rawhide mallet
- a short piece of 2" x 4" board (to protect the floor)
- the unit sketch instruction sheet
- safety glasses
- gloves

## Tube Configurations:



## 13mm Tube Lengths

Part Number	Inches	Millimeters	Shelf or Panel Size
065	2.08"	53	
130	4.69"	119	4 5/8"
145	5.20"	132	5 1/16"
200	7.28"	185	7 1/8"
210	7.80"	198	7 11/16"
265	9.88"	251	9 3/4"
275	10.39"	264	10 1/4"
330	12.48"	317	12 5/16"
345	12.99"	330	12 7/8"
360	14.18"	360	14"
395	15.08"	383	14 15/16"
410	15.59"	396	15 7/16"
410C (curved)	15.59"	—	1414C
411	16.18"	411	16"
460	17.68"	449	17 9/16"
460C (curved)	17.68"	—	1717C
530	20.28"	515	20 1/8"
595	22.87"	581	22 3/4"
675	25.98"	660	25 7/8"
685	26.50"	673	26 3/8"
805	31.18"	792	31"
911	35.87"	911	35 3/4"
1000	38.85"	986	38 11/16"
2000	78.23"	1986	78 1/16"

## 19mm Tube Lengths

Part Number	Inches	Millimeters	Shelf or Panel Size
125	4.17"	106	4"
200	7.13"	181	7"
250	9.09"	231	9 15/16"
300	11.06"	281	10 15/16"
350	13.03"	331	13 7/8"
400	15.00"	381	14 7/8"
500	18.94"	481	18 13/16"
500C (curved)	18.94"	—	—
600	22.87"	581	22 3/4"
600C (curved)	22.87"	—	—
700	26.81"	681	26 11/16"
800	30.75"	781	30 5/8"
900	34.68"	880	34 1/2"
1000	38.62"	981	38 1/2"
1200	46.50"	1181	46 3/8"
2000	77.99"	1980	77 7/8"

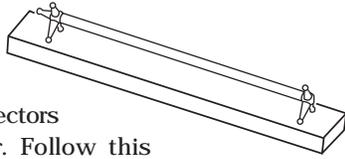
## Caution:

Before moving the display, make sure that all tubes are hammered completely onto the connector arms. Leave no space between the tube and shoulder of the connector arms. Often, the tube ends will scrape a bit of finish off the connector shoulders because of the tight fit. Remove such small splinters with the flat end of your mallet.



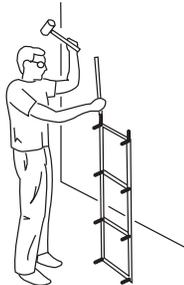
## Step One

Insert connectors into tubes making sure the connectors are square to each other. Follow this procedure through-out assembly.



## Step Two

Consider all vertical members of any structure a sort of "ladder" and assemble them first.

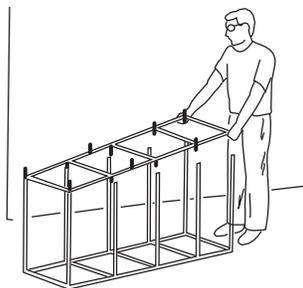


## Step Three

When all ladders are complete, lay an end ladder on the floor and hammer in the first set of horizontal tubes.

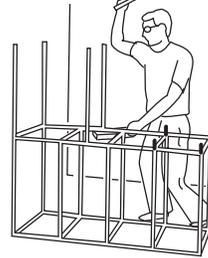
## Step Four

Hammer in ladder number two slanting the ladder slightly to insert the first pair of connector arms into the first pair of tubes by about 1/4", then insert the second pair of connector arms into the second pair of tubes and continue until all connector arms are loosely inserted into the tubes. Then hammer all the connectors half way, and finally go over them once more, hammering them in all the way. This progression is to avoid stressing the connector arms.



## Step Five

Hammer in the second set of horizontal tubes. Caution: use a small piece of wood to butt-up against when hammering in tube in "off-set" section (see illustration). This is to avoid damaging connectors and tubes. Add ladder three and turn the fixture right side up, so you can hammer into the last set of horizontal tubes, again using the small piece of wood to butt-up against in the "off-set" section.



## Step Six

Hammer in the end ladder, and carry the display over to it's proper place. Attach shelf brackets and any accessory parts before installing shelving.

