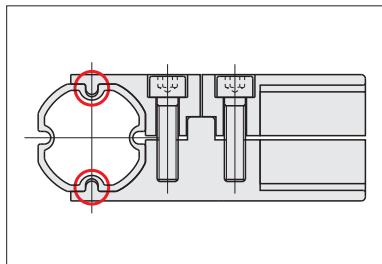


Features of Factory Frame System

Features of Factory Frame System

Compared with the conventional pipe frames, Aluminum Pipe Frames have the advantages as follows:

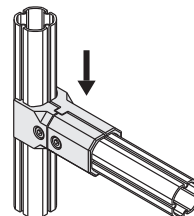
- Easy to obtain squareness during assembly.
- Allows for fine adjustments after assembly.



This Factory Frame System can be smoothly assembled without bothered by the frame twisting, just by setting the frame indentations in the joint tabs.

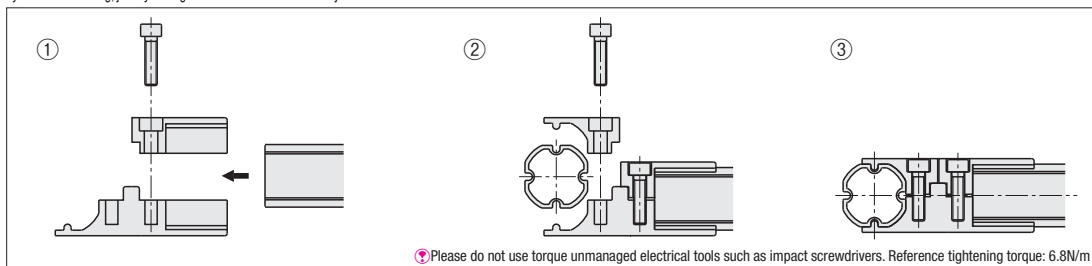
Allowable Load

· Allowable Load of Joint for Factory Frames



Load that doesn't cause joints misalignment
Max. Load = Approx. 80kg

⚠ Please note the maximum load is the value of the static load, and impact load may be lower than this value.



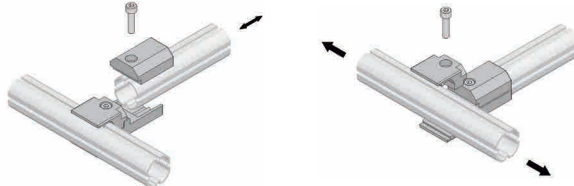
Frames can be assembled by tightening the screws for each frame in turns.
There is no need to fix multiple frames at a time, which enables easy assembly.

· Conventional Frame Joint



When a screw is loosened, both frames move.

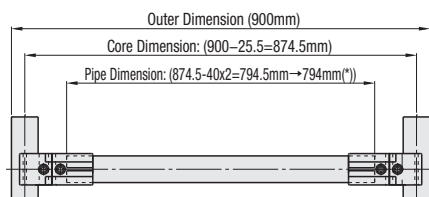
· Factory Frame System



Separate adjustment is possible for each frame.

With shifting of frame members with conventional frame joints, both sides of the frame would come loose when the screws are loosened, but with our Factory Frame System, only the member to be shifted can be loosened making post-assembly corrections and adjustments easy.
No need to hold multiple frames at a time when assembling.

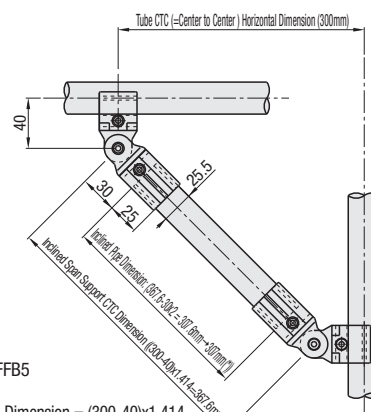
How to Calculate Pipe Dimension



* If the dimension has the digits after decimal point, round it to the nearest 1.

When using FFB1

CTC Dimension = $900 - 25.5 = 874.5\text{mm}$
 = O.D. - Factory Frame Dia.
 Pipe Dimension = $874.5 - 40 \times 2 = 794.5\text{mm}$
 = CTC Dimension - Length from the Center to the Tip of the Pipe x2
 * If the pipe dimension has the digit after decimal point, round it to the nearest 1.
 → Eventual Pipe Length = 794mm



When using FFB5

Actual Inclined Dimension = $(300 - 40) \times 1.414$
 = 367.6mm
 = (CTC Dimension between Flats-40) x 1.414
 Inclined Pipe Dimension = $367.6 - 30 \times 2 = 307.6\text{mm}$
 = Actual Inclined Dimension - the Distance from the Fulcrum to the Pipe End x2

* If the pipe dimension has the digit after decimal point, round it to the nearest 1.
 → Eventual Pipe Length = 307mm