How to Calculate Pipe Dimension

Metal Joints / Plastic Joints

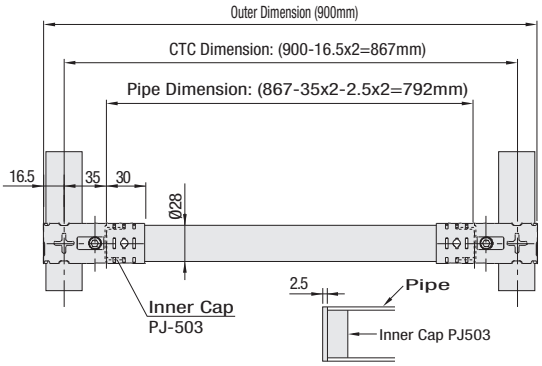
■Example of Metal Joint Calculation

When using PBLSN1

CTC Dimension =900-16.5x2=867
= Outer Dimension - Metal Joint Radius x2

Pipe Dimension =867-35x2-2.5x2=792
=CTC Dimension - Length From Metal Joint Center to Pipe End

* When rust preventing inner caps are used, the pipe will be shorter (2.5 x 2)
No inner cap is required for Extruded Aluminum Pipe Frame.



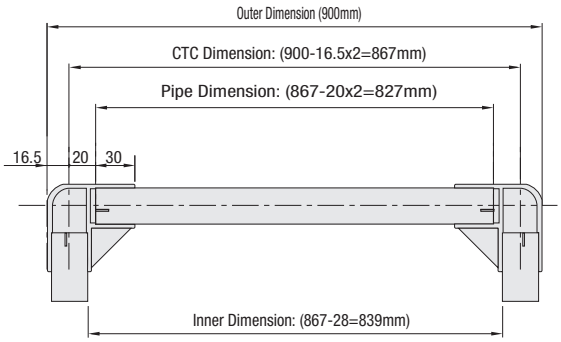
■Example of Plastic Joint Calculation

(Extruded Aluminum Pipe Frames and Stainless Steel Pipe Frames should not be combined with Plastic Joints.)

When using PJ002

CTC Dimension =900-16.5x2=867
= Outer Dimension - Plastic Joint Radius x2

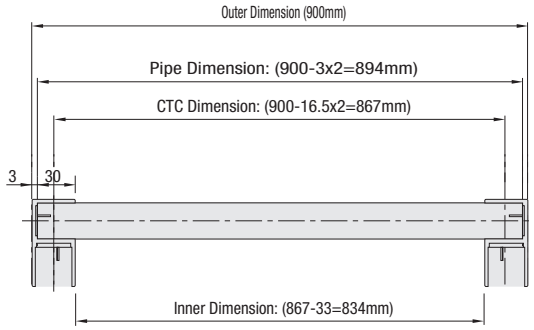
Pipe Dimension =867-20x2=827
=CTC Dimension - Length from Plastic Joint Center to Pipe End



When using PJ003

CTC Dimension =900-16.5x2=867
= Outer Dimension - Plastic Joint Radius x2

Pipe Dimension =900-3x2=894
= Outer Dimension - Plastic Joint ends to the Pipe ends



When using PJ401, PJ404 or PJ409

Inclined CTC Dimension =900x$\sqrt{2}$ ≈1272
=Tube CTC Horizontal Dimensionx$\sqrt{2}$

Inclined Pipe Dimension =1272-35x2=1202
= Inclined CTC Dimension - Length from Plastic Joint Center to Pipe End