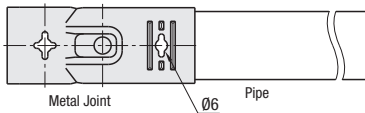


# Metal Joint Selection

## ■ Metal Joint

- (1) A screw hole has been provided to allow the metal joint to be firmly connected to a pipe frame.

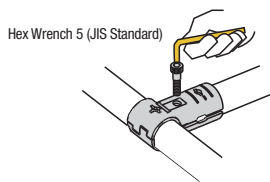


- (2) Material and coating are selectable according to the purpose of use.

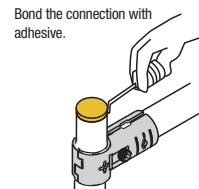
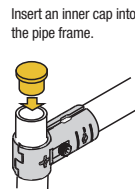
Part Number	Material	Plating
PBLSN, PBLS	EN 1.0330 Equiv.	Cathodic Electrodeposition Coating
PBLSNC		Nickel Plating
PBLSNS	EN 1.4301 Equiv.	-

## ■ How to Use Metal Joints

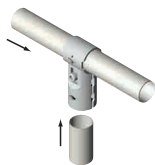
- (1) Use a hex wrench 5 (JIS standard) for tightening.



- (2) When using metal joints, install an inner cap (PJ503) on the end of the pipe frame with adhesive.  
(No inner cap is required for aluminum pipe frames.)



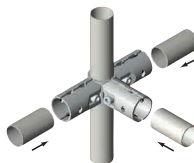
## ■ Metal Joint Connecting Configurations



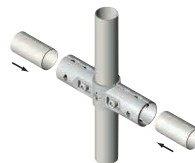
**PBLSN1**  
Orthogonal Joints



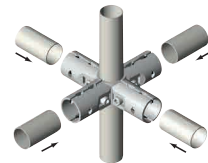
**PBLSN2**  
4 Direction Orthogonal Joints



**PBLSN3**  
5 Direction Joints



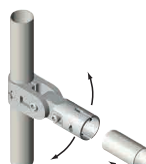
**PBLSN4**  
4 Direction Parallel Joints



**PBLSN5**  
6 Direction Joints



**PBLSN6**  
Cross Type Joints



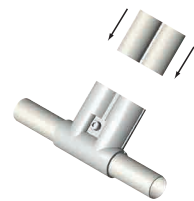
**PBLSN7**  
Free Angle Joints



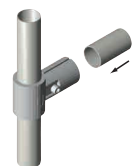
**PBLSN701**  
Plate Joints



**PBLS8**  
Hinge Type Joint  
(with Collar)



**PBLS9**  
Double Orthogonal Joints



**PBLS10**  
Hinge Type Joint  
(with Collar)



**PBLS11**  
Double Parallel Joints