



Expansion Joints

One piece design for trouble-free vertical pipe installations.

These expansion joints allow for thermal expansion and contraction of drain, waste and vent pipes and inside rain water conductor systems, eliminating costly offsets normally used to accommodate expansion and contraction.

FLEXIBLE COUPLINGS



Part No.	Nominal Pipe Size
XJ-150	1-1/2" (38mm)
XJ-2	2" (50mm)
XJ-3	3" (76mm)
XJ-4	4" (101mm)

XJ TECHNICAL SPECS

- Unique one-piece construction
- Internal stops of positive positioning
- No sliding parts to malfunction
- No packing to jam, freeze or leak
- Maintenance-free

Thermal Expansion Table for P.V.C. Pipe

Temp. Change Degrees F	Column 1 Expansion Per Ft. (Inches/mm)	Column 2 Limit Per Expansion Joint (Ft.)
50°	0174 (.0442cm)	86
60°	0209 (.0351cm)	71
70°	0244 (.0620cm)	61
80°	0278 (.0760cm)	54
100°	0348 (.0884cm)	43

Fernco Expansion Joints will accommodate a maximum of 1-1/2" expansion and 1/2" contraction from a normal position. For A.B.S. pipe use 2 x value of Column 1 and 1/2 x value of Column 2.



Pipe Sleeve Seals



To seal pipe sleeves and carrier pipes.

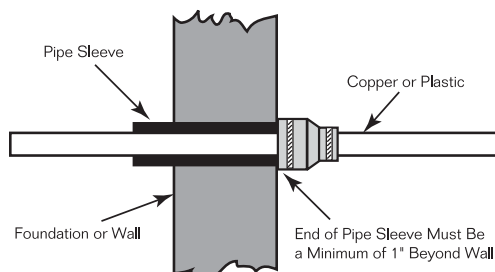
Pipe-Sleeve Seals provide positive, mechanical seals around pipe sleeves and copper or plastic carrier pipe, above or below ground, to keep out dirt, water, and insects.

Carrier pipe slides easily through the Fernco pipe sleeve seal, for fast, convenient installation. Two all-stainless steel clamps tighten easily with a screw driver. No need for mastics or other sealing compounds that can damage plastic pipes.



TECHNICAL SPECS

- Positive, mechanical seal around pipe sleeves and copper or plastic carrier pipe
- Use above or below ground
- No mastics or other sealing compounds needed
- 300 series stainless steel clamps



Part No.	Pipe Sleeve	Carrier Pipe
DTC 110	1-1/2"	3/4" or 1" plastic or 1" copper
DTC 210	2"	3/4" or 1" plastic or 1" copper
1056-315	3"	1-1/2"
1056-32	3"	2"
1056-415	4"	1-1/2"
1056-42	4"	2"
1056-43	4"	3"

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