

### **DESCRIPTION**

ITW Insulation Systems Stainless Steel Sure-Fit (Pabco) or Ell-Jacs® (Childers) Insulation Fitting Covers are made in two precision formed matching halves and are sized to cover and weatherproof insulated 90° and 45° elbows along pipelines. They are manufactured from Type-316 Stainless Steel in .016" thickness. They can be used on long and short radius, butt weld, socket weld, and screwed pipe elbows from 1/2" to 10" Iron Pipe Size, inclusive.

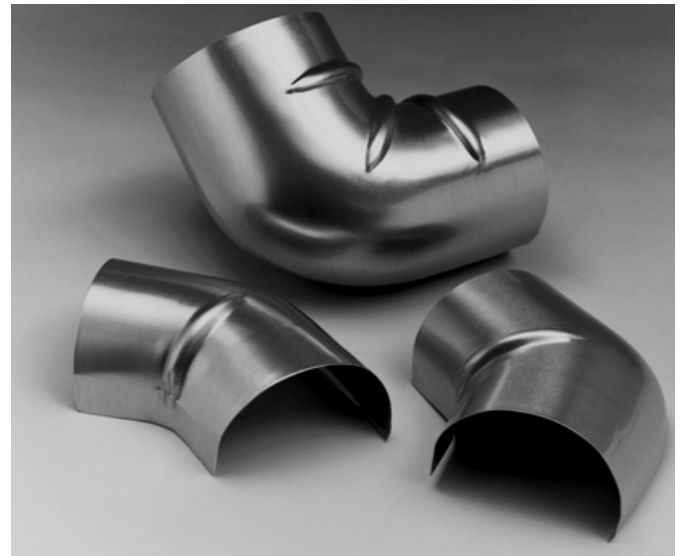
Type 316 alloy has a melting point of approximately 2500° and consists of 16% chromium, 10% nickel, and 2% molybdenum.

### **ADVANTAGES**

ITW Insulation Systems stainless steel elbows are the closest fitting elbow insulation covers available from any source. They are designed to allow for a 7/16" circumferential overlap, and are manufactured to conform to ASTM C-450 Method of Fabrication and ASTM C-585 (table 7A) Outer Diameters of Insulation. Descriptive labels are affixed to the underside of the fittings identifying interchangeable sizes, rather than listing only one size. This information can help you save valuable inventory space and allows greater flexibility on the jobsite.

### **RECOMMENDED USES**

ITW Insulation Systems Stainless insulation elbow covers should be used in areas of heavy mechanical abuse and where corrosion and high temperatures are factors.



**Insulation Size O.D. Chart**

IPS	1"	1-1/2"	2"	2-1/2"	3"
1/2"	3	4.25	5.125	6.875	8
3/4"	3	4.25	5.125	6.875	8
1"	4	4.75	5.812	6.875	8
1-1/4"	4	5.187	5.812	6.937	8
1-1/2"	4.25	5.187	6.937	8	8.75
2"	4.625	5.812	6.937	7.875	8.75
2-1/2"	5.25	6.812	7.875	8.75	9.875
3"	5.687	6.937	7.75	8.75	9.875
3-1/2"	7.0	8	8.875	10	11.125
4"	7.0	8	8.875	10	11.125
4-1/2"	7.937	8.875	10	11.062	12.062
5"	7.937	8.875	10	11.062	12
6"	9	10.125	11	12	13.25
7"	10.125	11	12	13.25	14.50
8"	11.125	12.25	13.25	14.50	15.50
9"	12.25	13.25	14.50	15.50	
10"	13.25	14.50			

O.D. chart provides information on the maximum O.D. ITW's elbows will fit after allowing for a 7/16" overlap. There is an allowance for insulation that is oversized when measured against Table 3-A, ASTM C-585 designation.

### **SUGGESTED SPECIFICATIONS**

All 90° and 45° insulated elbows having a nominal iron pipe size of 1/2" to 10" inclusive (max 14" O.D.) can be protected with Pabco's Sure-Fit or Childers Stainless Steel Ell-Jacs® manufactured from Type-316 Stainless Steel in .016" thickness. The elbows should be installed in accordance with MICA (Midwest Insulation Contractors Association) standards.