



1101 McKinley Street  
Anoka, MN 55303  
Phone (763) 786-6682  
Fax (763) 786-2167  
www.polycam.com



Part Name: ID-Controlled Weld-On Transition Fitting  
Part Number: 863-xxxx

### **ID Controlled Weld-On Transition Fitting**

**Description** - The Poly-Cam ID-Controlled Weld-On is designed to provide a smooth, interior transition between the steel pipe and the polyethylene pipe. The connection between the steel fitting and the polyethylene pipe is accomplished with a multi-level barb system and a compression ring supporting the connection. The multi-level barb system provides the sealing connection between the steel and the polyethylene pipe. The interior of the fitting contains no sharp edges in which pipeline cleaning pigs can be caught or damaged. The weld-on is coated with an epoxy coating. The compression ring is constructed out of carbon steel material and coated with an epoxy-coated material. Stainless steel compression rings are optional.

The Poly-Cam ID-Controlled Weld-On is a custom design fitting allowing the installer to transition from one specific type steel materials to a specific type of polyethylene pipe.

Tested and complies to ASTM D2513, ASTM 1973-05, D1599, D1598

#### **Steel Material Options:**

- A53B ERW Carbon Steel  
Available in the following upon request and subject to availability:  
X42, X52, X60, X65, X70, API 5L, NACE MR0175, A333 Grade 6
- 304 Stainless Steel
- 316 Stainless Steel

#### **Polyethylene Pipe Options:**

- PE 3408 ASTM F-714
- PE 3408 ASTM 2513 Gas Pipe
- PE 2406
- PE 4710

Additional options are available.

#### **Epoxy Coated Material:**

- Color HB, Red Oxide, IF1947T or Green 3M™ Scotchkote™ Fusion-Bonded Epoxy Coating 6233

# Series 863 ID Controlled Weld-On (A53B)

SDR 7

Nominal Size (In.)	HDPE/ Steel Pipe O.D. <b>A</b>	Steel Pipe I.D. <b>B</b>	Steel Length <b>C</b>	HDPE Pipe Length <b>D</b>	Compression Ring Length <b>E</b>	Compression Ring O.D. SDR 7 <b>F</b>	SDR 7 HDPE I.D. <b>G</b>
2	2.375	2.067	12	24	3.5	~3.08	1.686
2.5	2.875	2.469	14	24	3.5	N/A	N/A
3	3.5	3.068	14	24	5	~4.47	2.440
4	4.5	4.026	14	24	5.5	~5.88	3.137
6	6.625	6.065	20	30	8	~8.6	4.619
8	8.625	7.981	22	30	10	~11.1	6.013
10	10.75	10.020	26	40	12	~14.0	7.494
12	12.75	12.000	28	40	12	~16.6	8.889
14	14	13.250	28	40	12	~18.2	9.760
16	16	15.250	28	48	14	~20.8	11.154
18	18	17.250	28	48	14	~23.4	12.549
20	20	19.250	28	48	15	~26.0	13.943
24	24	23.250	28	48	15	~31.1	16.731

