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Part Name: Reducing ID-Controlled Weld-On Transition Fitting

Part Number: 863-xxxx

Reducing 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 of steel materials to a specific type of polyethylene pipe.

Tested and complies to ASTM D2513, 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, Green 3M™ Scotchkote™ Fusion-Bonded Epoxy Coating 6233, or 3M™ Scotchkote™ Fusion-Bonded Epoxy Coating 134

Series 863 Reducing ID Controlled Weld-On (A53B)

SDR 11

Nominal Size (In.)	Steel Pipe O.D. A	Steel Pipe I.D. B	Steel Length C	HDPE Pipe Length D	Compression Ring Length E	SDR 11 HDPE I.D. F	HDPE O.D. G
3x2	2.375	2.067	12	24	3.5	2.826	3.500
4x2	2.375	2.067	12	24	3.5	3.633	4.500
4x3	3.5	3.068	14	24	5	3.633	4.500
6x4	4.5	4.026	14	24	5.5	5.349	6.625
8x6	6.625	6.065	20	30	8	6.963	8.625
10x8	8.625	7.981	22	30	10	8.679	10.75
12x8	8.625	7.981	22	30	10	10.293	12.75
12x10	10.75	10.02	26	40	12	10.293	12.75
14x10	10.75	10.02	26	40	12	11.301	14
14x12	12.75	12	28	40	12	11.301	14
16x12	12.75	12	28	40	12	12.915	16
16x14	14	13.25	28	40	12	12.915	16
18x12	12.75	12	28	40	12	14.532	18
18x14	14	13.25	28	40	12	14.532	18
18x16	16	15.25	28	48	14	14.532	18
20x14	14	13.25	28	40	12	16.146	20
20x16	16	15.25	28	48	14	16.146	20
20x18	18	17.25	28	48	14	16.146	20
22x18	18	17.25	28	48	14	17.760	22
22x20	20	19.25	28	48	15	17.760	22
24x18	18	17.25	28	48	14	19.374	24
24x20	20	19.25	28	48	15	19.374	24
28x24	24	23.25	28	48	15	22.605	28
30x24	24	23.25	28	48	15	24.219	30
30x26	26	25.25	33	48	16	24.219	30
32x30	30	29.25	42	48	28	25.833	32
36x30	30	29.25	42	48	28	29.061	36

