



Specified Fittings, LLC

164 West Smith Road • PO Box 28157 • Bellingham, WA 98228-0157 | Email: sales@specfit.com

Bellingham: 360-398-7700 | 360-398-7051 Fax
Stevensville: 406-777-3466 | 406-777-7181 Fax
Mexico (Toll Free): 800-429-1705 | 800-574-1075 Fax

August 26, 2011

Re: HDPE transition fittings to metal piping

To whom it may concern:

Specified Fittings fabricates a series of fittings configured to transition between HDPE and steel piping. These transitions are typically achieved by the joining of a section of HDPE pipe and a barbed steel fitting. OD controlled transitions operate with barbs internal to the metal component, ID controlled configurations use barbs on the OD of the metal component and a reinforcing ring over the outside of the HDPE pipe.

When pressurized, the internal pressure causes the HDPE to expand, increasing the mating surface-area between the HDPE and the barbs. Under zero internal pressure, the compression imposed by the barbs and pressed fit is greater than the stress created by relaxation and/or their expansion and contraction. The increasing strength of the barb/compression fit directly correlates to increases in internal pressure.

Transition fittings are available for IPS, DIPS, and CTS HDPE, from ½" through 24" in DR's from 5 to 32.5 and for steel end welding, male or female threads, grooved-end or copper plain-end. Transition fittings carry a pressure rating equal to that of the HDPE component

Transitions' metal components can be manufactured using Carbon Steel (A53 or A106 grade) Type 304 or Type 316 (ASTM A249 or ASTM A269) and/or ERW pipe (ASTM SA-312). HDPE components meet ASTM 3035, and ASTM 714. All certification will be submitted upon request.

If you have any questions or require more information, please contact me.

Sincerely,

Brad Sukolsky
Specified Fittings