

# Blue Diamond Industries

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## Blue Diamond Barbed Couplers

Meets ASTM F2176



Blue Diamond announces a line of couplers specifically designed to meet ASTM F2176 (www.astm.org). F2176 is the specification written specially for HDPE (high density polyethylene) conduit couplers used in the power and communications industry. Performance features include high mechanical pull out and long term constant load resistance. Sustained pressure testing requirements provide assurance of integrity under high cable blowing pressures and long term water tightness.

### ASTM F2176 requirements are as follows:

<u>Short Term Mechanical Pull out</u>		<u>1000hr. Constant Load Resistance</u>
¾" IPS	380 lbs	190 lbs
1"	760	380
1 ¼"	940	470
1 ½"	1220	610
2"	1920	960

Sustained Internal Pressure Test (1 hour): 150 psi  
Sustained External Pressure Test (1000 hrs.): 10 psi

The sharp barbs machined into the interior of the aluminum coupling bite into the body of the duct to accomplish outstanding pull out strength. Each barb acts as a pressure seal to allow long cable blowing lengths under high internal back pressures. The external pressure test ensures long term joint performance protecting cables from outside elements. The aluminum construction is corrosion resistant in most common soils for extremely long term performance characteristics.



The Blue Diamond Barbed Coupler is a compression fitting and must be installed using a Hydraulic or Mechanical coupling press. The coupling press ensures the HDPE conduit ends butt up against each other to enhance cable blowing. It also compresses the coupling forcing the barbs into the duct, ensuring great pull out strength and sealing capacity. Long haul telecom contractors prefer barbed compression couplings because of their reliability and ease of

installation. The Blue Diamond Barbed Coupler provides all of these benefits at an affordable price.

Contact Jaime Shouldis at 859-224-0415 or Jaime@bdiky.com for pricing and further technical information. Blue Diamond is a leading producer of HDPE conduit for the communications and power industries. BDI manufactures conduit through 6" diameter to all the national specifications. BDI is RUS listed and is certified to meet UL 651 empty conduit and UL 1990 Cable in Conduit specifications. See more at our web site: www.bdiky.com

