

High Temperature Electric Power Penetrator for Submersible Pumps



Designed for High Temperature Operation

The BIW Connector Systems High Temperature Penetrator System has been designed for operation with conductor temperatures up to 450°F (230°C).

High Temperature compatible PEEK construction	Suitable for use in applications with a maximum conductor temperature of 450°F (230°C)
Metal-Lok™ Keying	Positively prevents damage that could result from inadvertent turning or mishandling of the surface connector.



BIW High Temperature Penetrator with Metal-Lok Keyways.

- The internal components of the High Temperature Penetrator have been redesigned to accommodate the effects of this much more severe operating environment.
- The exterior surface of the connector has been modified for improved heat transfer and cooling.
- The exterior seals to the hanger and top flange have been fitted with high temperature O-rings and back-up rings.
- The connection system includes a new Metal-Lok™ keying system, for positive protection against inadvertent rotation of the surface connector.
- A new sealing system specifically designed for high temperatures provides the seals between system components.
- This Penetrator System has been approved by CSA for use in Class I, Division 1 Hazardous Locations.



BIW High Temperature Surface Connector.

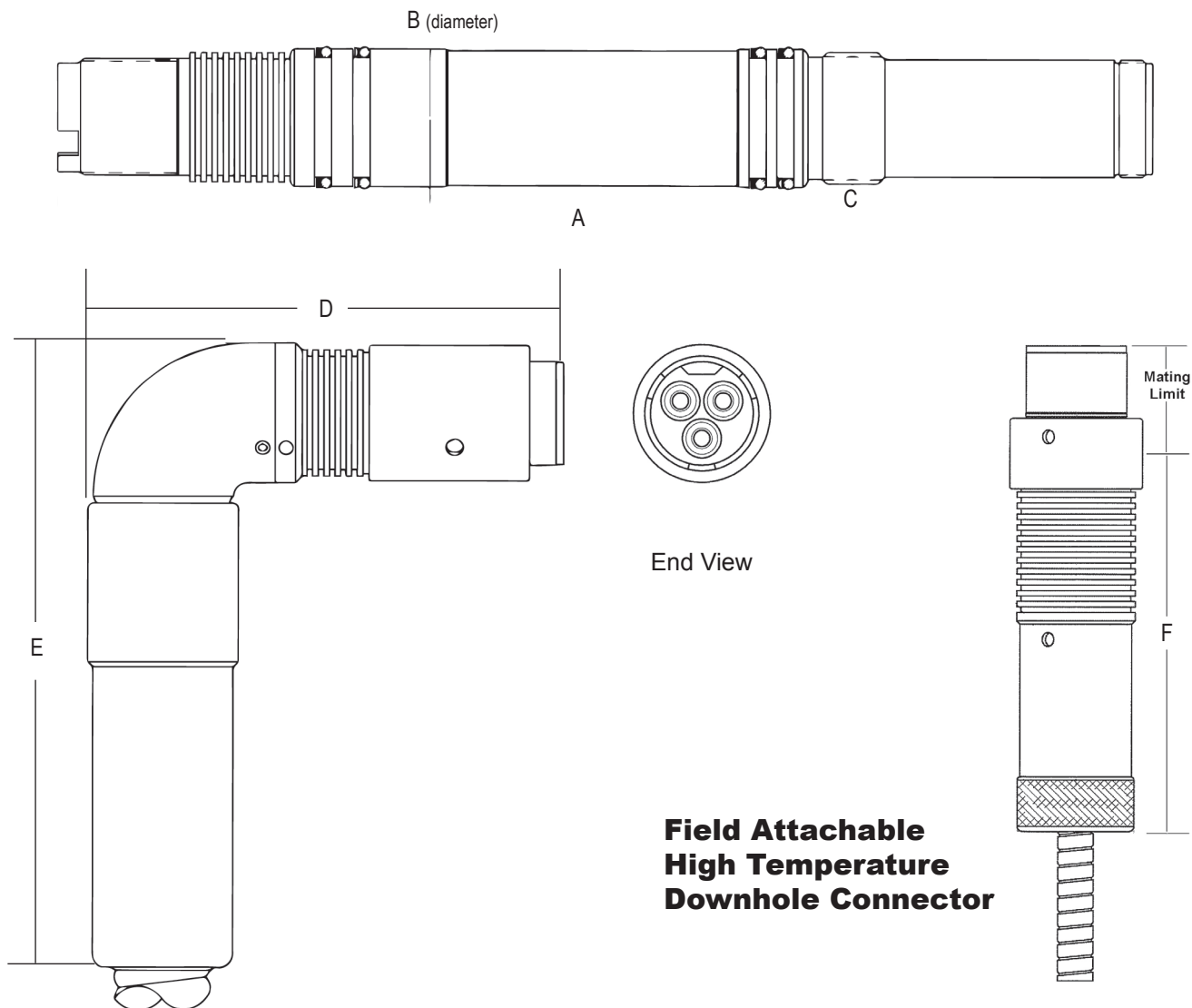
Specification Chart

Mechanical	3000 psi
Environmental	450°F (230°C),
Electrical	5 kV, 20 to 120Hz 140 A
Approvals	CSA approved for Hazardous Location installation, Class I, Div. 1, T Code T4A, Groups C and D. ATEX & IEC Ex d IIBT4 Gb

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High Temperature Penetrator Connector with Metal-Lok™ Keying



	A	B	C	D	E	F
inch	19.7	2.5	2 3/8-8UN-2A	8.49	11.2	6.8
mm	500	64		216	284	173