

Bulkhead Connectors and Chambers

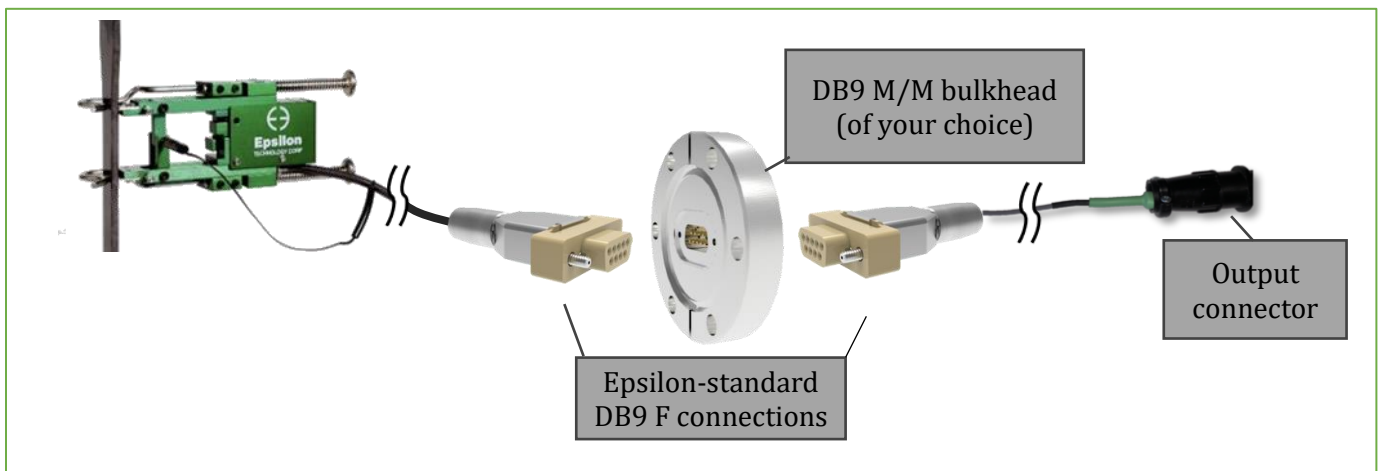
Recommended practice for using strain-gaged transducers with bulkheads

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Using extensometers inside chambers: physical connections

When passing strain-gaged signals through bulkheads, Epsilon recommends the following implementation. A variety of bulkhead connectors with 9-pin DSUB connection on each side are available from various vendors, with different pressure and temperature ratings, and mounting and installation options.

Epsilon can recommend Epsilon-standard 9-socket DSUB intermediate connections to match any 9-pin DSUB bulkhead of your choice. You must specify the physical bulkhead component to meet your application requirements. Epsilon can specify the standardized electrical pinout to use in the intermediate connectors.



The solution above provides for maximum flexibility and interchangeability (with disconnects on both sides), and reduces immediate and future service costs (using Epsilon-standard connections, with shunt calibration references).

Using feedthroughs or self-installed or alternative intermediate connections

These options make future extensometer service inconvenient and can add to current and future costs. The use of feedthroughs is *especially* inconvenient and does not allow for extensometer removal.



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