

# ADVANCE PRODUCTS & SYSTEMS, INC.

Engineering Specification for the:

## APS ISOJOINT®

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The APS ISOJOINT® monolithic isolating joint shall be manufactured of API 5 L grade B or X grade steel to any diameter or wall thickness. The monolithic joint shall consist of two pipe pups and a forged or pipe steel body that is assembled and welded under a compression load. Isolation shall be accomplished by means of two G-10 or G-11 rings. A double pressure-sealing system consisting of NBR or silicone rubber forming a positive pressure seal is incorporated within the body of the Isojoint®. A dielectric filler material shall be used between the isolating rings and in the external gap between the body and pipe pup of the joint. All Isojoints® shall be pressure tested to 1½ times operating pressure and dielectrically tested, at the factory. Optionally, Isojoints® can be non-destructive tested. The APS ISOJOINT® shall be used to electrically separate a main pipeline from other structures and/or external stray electrical currents.

ISOJOINT® monolithic isolating joints shall be as supplied by Advance Products & Systems, Inc., Lafayette, Louisiana, USA.