Types of Branch Connection Fittings

Weldolet® is the most common of all branch connections, and is welded onto the outlet pipe. The ends are bevelled to facilitate this process, and therefore the weldolet is considered a butt-weld fitting. Weldolet's are designed to minimize stress concentrations and provide integral reinforcement.

Sockolet® utilizes the basic Weldolet® however the branch affixes by way of a socket inside the olet. The bore matches the outlet bore, and the existence of a counter bore roughly the size of the OD of the outlet provides a socket where the pipe can sit, facilitating installation and welding. The Sockolet® is considered a socket fitting, and manufactured in 3000#, 6000# and 9000# classes.

Thredolet® utilizes the basic Weldolet® however the branch affixes by way of a thread just inside the top of the olet. The bore matches the outlet bore, and the existence of this threading facilitates installation, as no welding is necessary. The Thredolet® is considered a threaded fitting, andmanufactured in 3000# and 6000# classes.

Latrolet®, used for 45° lateral connections, is available butt-weld to meet specific reinforcement requirements, and 3000# or 6000# classes for Socket Weld and threaded applications.

Elbolet® is used on 90° Long Radius Elbows (can be manufactured for Short Radius Elbows) for thermowell and instrumentation connections. Available butt-weld to meet specific reinforcement requirements, and 3000# and 6000# classes for Socket Weld and threaded applications.

Nipolet® is a one piece fitting for valve take-offs, drains and vents. Manufactured for Extra Strong and Double Extra Strong applications in 3 1/2in to 6 1/2in lengths. Available with male-socket-weld or male threaded outlets.

Sweepolet® is a contoured, integrally reinforced, butt-weld branch connection with a low stress intensification factor for low stresses and long fatigue life. The attachment weld is easily examined by radiography, ultrasound and other standard non-destructive techniques. Manufactured to meet your specific reinforcement requirements.