



**F.V.F.**<sup>®</sup>  
International S.r.l.

# NORMATIVE DI RIFERIMENTO

## ASME:

- B1.20.1 - Pipe Threads, General Purpose (Inch)
- B16.5 - Pipe Flanges & Flanged Fittings
- B16.9 - Factory - Made Wrought Butt-Welding Fittings
- B16.11 - Forged Fittings, Socket-Welding & Threaded
- B16.25 - Butt-Welding Ends
- B16.47 - Large Diameter Steel, Flanges (NPS 26 Thru NPS 60)
- B31.1 - Power Piping
- B31.3 - Process Piping
- B31.4 - Pipeline Transportation Systems for Liquid Hydrocarbons and other Liquids.
- B31.8 - Gas Transmission & Distribution Piping Systems
- B31.9 - Building Services Piping
- B36.19M - Stainless Steel Pipe

## PFI: Pipe Fabrication Institute - Engineering & Fabrication Standards

- ES-1 - Internal Machining Backing Rings
- ES-16 - Access Holes, Bosses, Plugs, for RT. Inspection of Pipe Welds
- ES-36 - Branch Reinforcement
- ES-42 - PMI STD.

## NACE STD:

- MRO175 Material Requirements (For Resistance To Sulfide Stress Cracking, BHN / HRC)

## ASTM International:

- A262-Intergranular Test, Austenitic Stainless
- A275-Magnetic Particle Exam.
- A370-Mechanical (Tensile) Test Steel Products
- A388-Ultrasonic Exam: Steel Forgings
- A751-Chemical Analysis of Steel Products
- E-10-Test Brinell. Hardness
- E23-Standard Notch Bar Impact Test
- E112-Test-Grain Size
- E165-Liquid Penetrant Exam.
- E562-Test Method Determining Volume Fraction By Manual Point Count

## MSS - STD :

- SP-25 - Marking Valves, Fittings, Flanges, & Unions
- SP-42 - Stainless Butt-Weld Fittings
- SP-44 - Steel Pipeline Flanges 12" - 60" F36 - F70
- SP-75 - High-Test Butt-Weld Fittings
- SP-79 - Socket-Welding Reducer Inserts
- SP-83 - Class 3000 Steel Pipe Unions
- SP-95 - Swages & Bull Plugs
- SP-97 - Branch Outlet Fittings, S/W, Thr'd, B/W

**Wrought** - Metal in the solid condition that is formed to a desired shape by working (Rolling, Extruding, Forging, etc.) usually at an elevated temperature.

**Forge** - Plastically deforming metal, usually hot, into desired shapes with compressive force, with or without dies.

**Cast Component (Casting)** - Metal that is obtained at or near its finished shaped by solidification of molten metals on a mold.