ArmorPIPE® Fittings

ArmorPIPE® Fittings are custom designed and manufactured (‘bolt in-bolt out’) with enhanced leading edge protection and lining bias with reinforced protection in high wear areas; optimising your system and avoiding high replacement costs.

In your maintenance regime, how much time is consumed with inspecting and replacing worn pipe components? How often are pipe components sent to scrap that could potentially be rebuilt or even upgraded? How much downtime and lost production could be avoided by using a pipe system that offers dramatic increases in system life and has a lining that is easily repairable?

Our ceramic composites are proven to actually absorb energy, resist underfilm corrosion and maintain bonding even in the harshest of applications.

In many cases existing components can be rebuilt and upgraded to ArmorPIPE® specifications to increase resistance to abrasion and improve efficiency. Rather than use a ‘one fits all’ approach, we choose the most appropriate ceramic composite materials and lining thickness for your application, to enhance performance at a realistic price.

Benefits

• Tough linings will not crack or delaminate; linings ‘wear out’ not ‘fall out’
• Our customised solutions are ‘bolt in-bolt out’ replacements
• ArmorPIPE® designs maintain the original hydraulic radius
• Wear monitoring systems available
• Repairable lining systems, fabricate once and maintain for the life of the plant

By assessment of your process conditions and service requirements, we provide the most cost effective pipe solutions.
Our ‘flange to flange’ design principles ensure that our experts take care and match the new fitting to the hydraulic radius of the system.

Steps and shoulders are avoided at all costs!

**Designs can include:**
- ArmorPIPE® rebated flanges
- ArmorPIPE® threaded tool joints
- Grooved, flanged or welded coupling systems
- External mounting brackets
- ArmorPIPE® wear monitoring gauges
- Biased lining thickness to increase protection in high wear areas

**Applications:**
- Elbows and Bends
- T’s and Y’s
- Cyclone Clusters
- Distribution Boxes
- Tapered Spools
- Custom Fittings
- Tool Joint Adaptors
- Orifice Chokes
- Borehole Inserts
- Boots
- Boil Boxes / Kettles
- Nozzles