Ceramic Lined Composite Pipe and Elbow

Ceramic lined composite pipes and elbows are designed for pneumatic and pumping conveying of powders. These composite parts include elbows, short sections, tee joints, and reducers.

ADDITIONAL IMAGES

Product Overview

Industrial Ceramic Lined Composite Piping

These ceramic lined composite pipes and elbows are engineered for high-performance pneumatic and pumping conveying systems. By combining the structural integrity of steel with the extreme hardness and wear resistance of ceramic liners, these components significantly extend operational lifespan in harsh environments. They feature a smooth inner wall to prevent clogging, making them ideal for high-speed, abrasive material transport.

Technical Specifications

Connection Type
Flange • Welding

Flange Standards	ASME B16.5, GB/T9113
Nominal Pressure	1 MPa
Pressure Class	Class150
Size Range (Metric)	DN50 ~ DN300
Size Range (Imperial)	NPS2 ~ NPS12
Max Working Temperature	200

Materials

Composition

- Engineering Ceramic
- Steel

Applications

Primary Applications

Industry	Application
Power Plants	Slag draining, ash removal, powder feeding
Steel Plants	Iron alloy conveying, slag conveying, external refining
Cement Plants	LiCoO2 powder, raw slurry conveying, coal powder
Construction	Concrete conveying