



STALK TUBES

LOW-PRESSURE AND COUNTER-PRESSURE DIE CASTING

Pyrotek stalk tubes can be used in many applications. The tubes are made from the following materials, and can be manufactured to meet specific project requirements:

- Cast iron
- Dense fused silica
- Pyrocast FS80LP
- Aluminium titanate
- Silicon nitride or Sialon

Each material has distinct advantages and should be reviewed for application and cost effectiveness in low-pressure and counter-pressure die casting operations.

BENEFITS

Cast Iron

- Excellent breakage resistance during installation
- Low cost

Dense Fused Silica

- Does not alter aluminium quality
- No preheating required
- Non-wetting
- Low cost

Pyrocast FS80LP

- Excellent abrasion resistance
- Thermal shock resistant
- Non-wetting to aluminium and aluminium alloys

Aluminium Titanate

- Long-lasting ceramic
- Minimum porosity
- Non-wetting
- Thermal shock resistance
- Low thermal expansion coefficient
- Corrosion resistance
- No coating required
- Good thermal insulation



Silicon Nitride or Sialon

- High performance ceramic, longest service life of all ceramics
- Zero porosity
- Non-wetting to aluminium and aluminium alloys
- High mechanical strength relative to other ceramics
- Highest thermal shock resistance of all ceramics offered

APPLICATIONS

- Low-pressure die casting
- Counter-pressure die casting

