

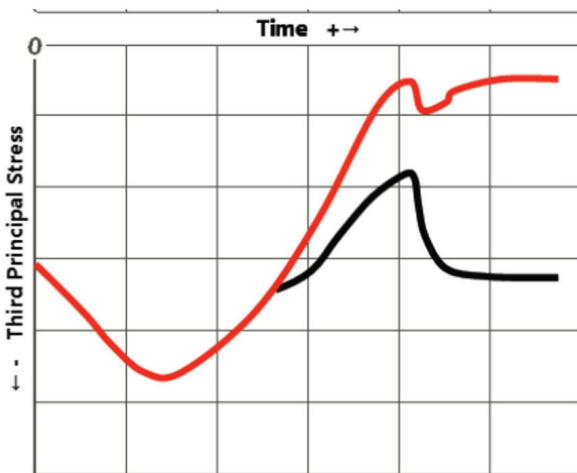


PYROTEK RING-FIT T-PLATE

FOR DIRECT CHILL BILLET CASTING

Pyrotek Ring-Fit Transition Plates are replaceable ceramic components installed in direct chill casting applications.

Ring-Fit Transition Plates showed significant stress reductions when compared with original equipment manufacturer (OEM) designs, according to primary research. Third principal stress is reduced by 80 percent, and shear stress is decreased by 90 percent.



Pyrotek Ring-Fit Transition Plates are made from Pyrotek N-17 carbon fiber reinforced calcium silicate and include a high-temperature silicone locator, a Unifrax Fiberfrax® 970J ceramic paper gasket, and factory-coated ZYP Boron Nitride Lubriccoat EAS-25 protective coating. Other configurations are available. Contact a Pyrotek sales engineer for product information to meet specific application needs.

INSTALLATION

Pyrotek Ring-Fit Transition Plate installation requires revised clamping surface specifics, and maximum retaining nut torque values. Additional installation procedures are provided in the Pyrotek Ring-Fit Transition Plate manual.



APPLICATIONS

Applicable mould technologies include, but are not limited to:

- Wagstaff® AirSlip®
- Wagstaff® NuMax™
- Wagstaff® MaxiCast™

BENEFITS

- Reduced stress to extend the service life
- Reduced distortion during casting to minimize joint maintenance
- Reduced heat loss at the casting ring interface to improve solidification control
- Integrated locator to ensure proper installation
- Machined to stringent tolerances
- Low thermal conductivity
- High toughness
- Thermal shock resistant
- Non-wetting

ADDITIONAL INFORMATION

Pyrotek Ring-Fit Transition Plates are patent pending.

