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CR30M

Coolrunner 3 optimum metallic is a severe service and high performance synthetic metallic friction material that outperforms OE Premium and Aftermarket Service Heavy Duty ceramic or semi-metallic pads. Developed for cycle-duty mining truck and front end loader applications as well as severe service racing, CR30S is now available for on-highway and motorsports applications.

CR30S' advantages derived from its ability to conduct heat away from the brake interface surface. The porosity caused by the finely granulated metallic and graphite particles welded together in a matrix allows air to circulate in the micropockets of the matrix. The macrostructure of the matrix is designed for both brake pad and brake rotor durability. Three high temperature synthetic graphite lubricants coat and protect the surface of the brake rotor maintaining its surface integrity and effectiveness.

Beyond the cost effectiveness and performance advantages in abrasive and high temperature environments, the product offers a high EPA Green Power Rating. The elimination of brake change outs conserves greenhouse gas emission by reducing the energy consumed to manufacture and transport cast iron and steel parts. The absence of phenolic binding resins means CR30S pads are completely inflammable providing an additional safety advantage to all fleets, especially hazardous cargo.

Technical Data

COLOR	Silver-Grey
STRUCTURE	Rigid
COMPOSITION	Sintered Iron
MAIN FIBER	Iron
TYPE OF SERVICE	Dry
COEF OF FRICTION	0.45 Nominal 0.50 Hot
WEAR RATE	Superior
MECHANICAL RESISTANCE	
Tensile Strength	6958 Lbs.
Shear Strength	6105 Lbs.
NOMINAL HARDNESS	15HB
DENSITY	4.15 g/cm
SWELL @ 200 °C	-0.02%
SWELL @ 400 °C	-0.06%

Material Type : Synthetic Metallic

Appearance / Formats



Price Level : \$\$\$

Markets Served:

Police, Emergency Service Vehicles, and Mining Trucks

In addition to the substantial cost savings of extended pad and rotor life, CoolRunner 30S

- Withstands temperatures up to 1500 °F and is 100% fireproof, with no resin burnout
- Is 100% swell-proof and requires no burnishing/bedding, even in close-clearance calipers
- Carbon friendly. For each pound of cast iron and steel conserved, 3.5 pounds of carbon are not emitted into the atmosphere.
- Runs clean with minimal dusting
- Offers environmentally friendly and contains no copper or heavy metals

