

Application Bulletin

Mining and Heavy Machinery

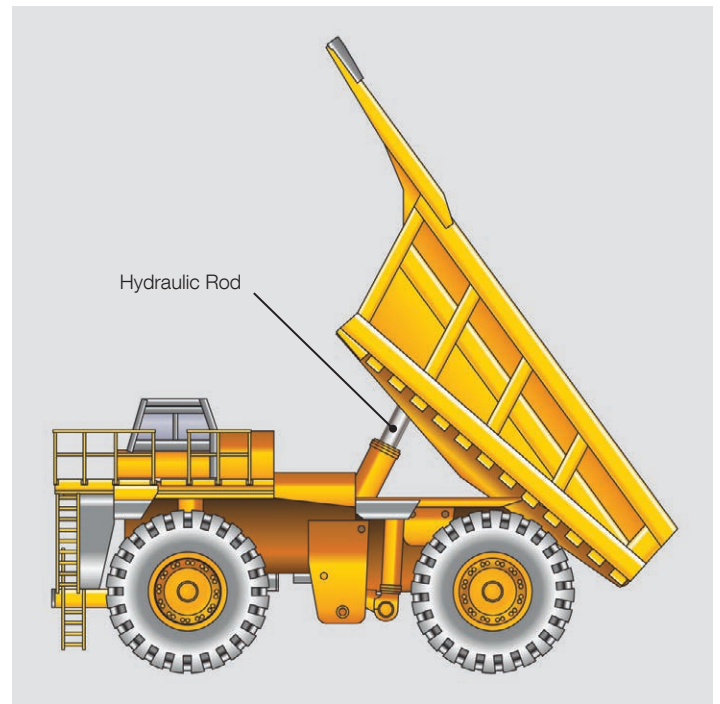
Mining and Construction Vehicles – Hydraulic Rods

Hydraulic cylinders are used in heavy equipment for mining, oil field, agriculture and construction. The larger the cylinder, the higher its maximum payload. At its heart, the hydraulic rod is exposed to abrasive, erosive and corrosive environments, but must continuously operate at peak efficiency.

The Oerlikon Metco Solution

Protect hydraulic rods from abrasion, erosion and corrosion using long-lasting Oerlikon Metco chromium carbide materials applied using Oerlikon Metco DiamondJet HVOF-GF thermal spray equipment.

- Excellent erosion and abrasion protection
- Resistant to corrosive acidic and alkaline environments
- Longer service life than hard chromium plating
- Faster processing than hard chromium plating



Recommended Oerlikon Metco Products

Woka 7103	Wear and corrosion resistant chromium carbide – nickel chromium material
DiamondJet	HVOF gas fuel thermal spray application systems

More Information

DSMTS-0027
HVOF Solutions

Information is subject to change without prior notice.