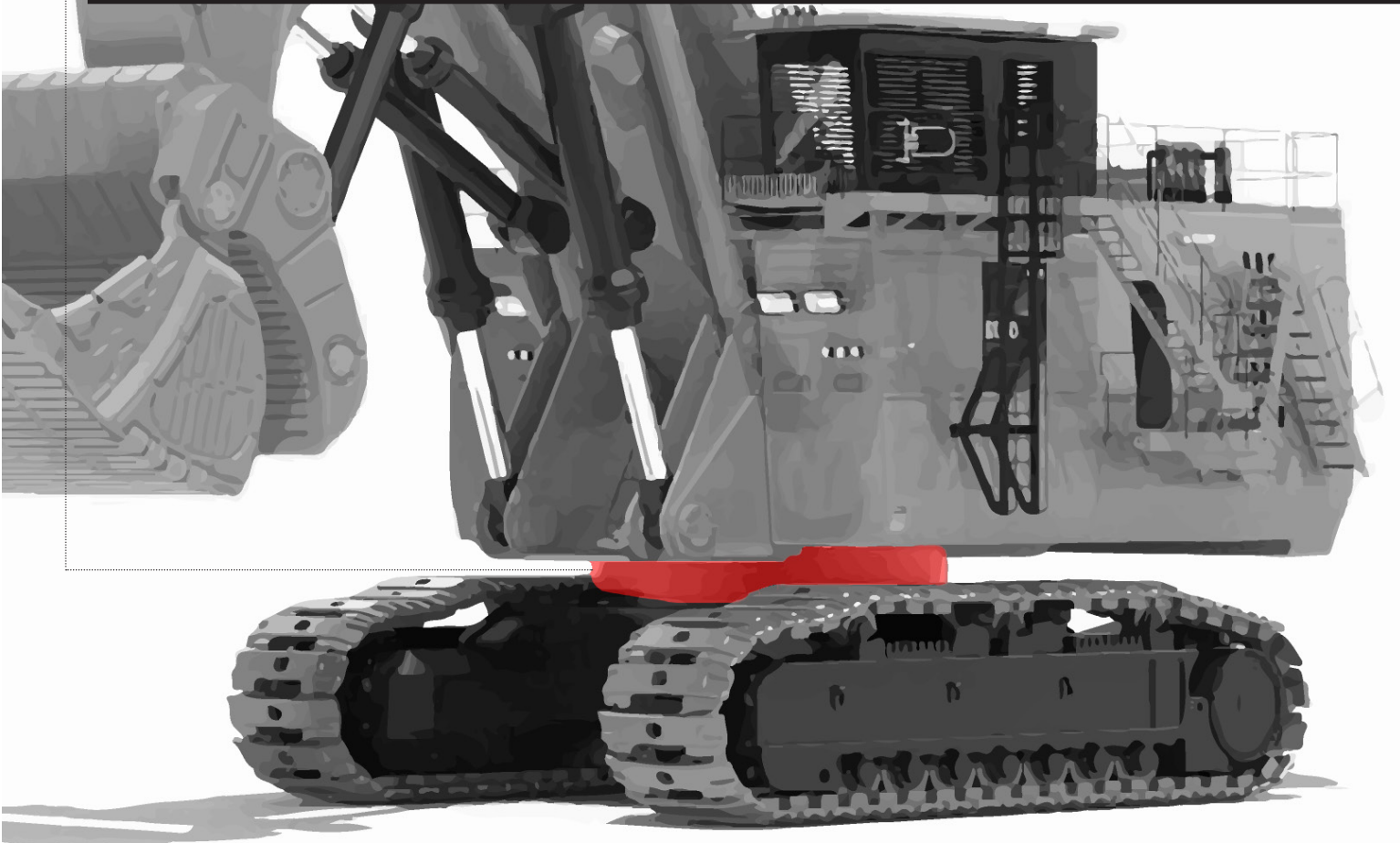


SmartBolts are tension indicating fasteners that ensure proper clamp force is achieved at installation and maintained over time. Each SmartBolt features a visual indicator that changes color to measure and display tension in real time. Tension creates the clamp force that keeps a bolted joint secure.

HEAVY EQUIPMENT HYDRAULIC MINING EXCAVATOR SLEWING BEARING JOINT

Hydraulic mining excavators must support massive digging forces - the largest have bucket payloads that exceed 100 tons. Each payload, plus the majority of the weight of the excavator, is supported by critical slewing bearings that allow the machine to rotate independently of its undercarriage. SmartBolt DTI, installed in these bearings as replacement aftermarket components, provide constant visual monitoring of the condition of these critical bolted joints. And that means less downtime and increased productivity for our customers.



Visit SmartBolts.com to request additional product information.

SmartBolts are designed and manufactured in the United States by Industrial Indicators.