

# Power Wedge

## Mechanical Pre-Stressing Device

The Power Wedge is a mechanical device that generates active roof load on prop type supports

- Converts torque into upward force on roof, generating active loads up to 10 tons (9 tonnes)
- Operation creates yieldability in the unit; can be used with yielding or non-yielding props
- Enables pre-stressing without water, grout or pumps
- Designed for use with 8 1/2" (215mm) and 10" (250mm) diameter props
- Take-up range 0"-3" (0-75mm)
- Torque applied with 1 1/8" (29mm) socket hand wrench, air or hydraulic tool
- All-steel, maintenance-free construction; quick and easy to install
- Can also be used in place of temporary steel supports in headgates, beltways, tailgates, intersections, etc.



# Power Wedge

## Mechanical Pre-Stressing Device

### SPECIFICATIONS

- All steel construction
- Designed for use with 8½" (215 mm) diameter and 10" (250 mm) diameter props
- Take-up range 0 to 3" (0 to 75mm)
- Use 1½" (29 mm) socket wrench
- Torque applied with hand wrench, air or hydraulic tools

### POWER WEDGE BENEFITS

- Provides active roof load from prop-type supports
- Pre-stressing without water, grout and pumps
- Fast, simple installation
- Structural elements create yieldability in the unit
- Can be used with yielding or non-yielding props

### POWER WEDGE PERFORMANCE

- Converts torque into upward force on roof
- Generates active loads of up to 10 tons (9 tonnes)



Predicted Load vs. Torque

