



- Bridges
- Tanks
- Domestic Buildings
- Commercial Buildings
- Excavations
- Slope Stabilization
- Tunneling
- Mining
- Hydro & Marine Structural

# DYWIDAG Mining Systems

## DSI Tensioner Unit

• Load capacity up to 22 tonnes • Light weight 12kg • Requires only 70mm bolt tail (below the wedges) • Has a self locking mechanism for attachment to the bolt, therefore does not need supporting before the hydraulic jack is activated • Can be used on bulbed cable and cable sling systems • Low bleed off load system • Long life jaws • Easy jaw replacement system • Low maintenance system • Pump is equipped with safety relief valve



The Tensioner Set consists of a hydraulically operated Tensioner Unit, compressed air hydraulic pump, pressure gauge calibrated in load units and 4.5m (14'6") long hydraulic hose. It has been designed for tensioning cable of 15.2mm (0.6") diameter of Minimum 25 tons (27.5 tons) tensile strength. The Tensioner Unit can safely apply up to 22 tonnes (24 tons) of tension to the cable.

**Step 1. Install Tensioner Unit onto the cable bolt by pushing it firmly against the barrel and wedges.**

**Step 2. Release some of the hand pressure from Tensioner Unit to engage the jaws.**

**Step 3. Pull Tensioner Unit down slightly whilst supporting it to make sure jaws have gripped the cable bolt. If the jaws do not grip they need to be cleaned and lubricated or if worn - replaced.**



**Tension the bolt to the required load by operating the foot pump until the required load is reached as indicated on the pressure gauge calibrated in metric tonnes.**

Patent Pending

### DYWIDAG-Systems International Pty Limited

Mining and Tunneling Products

**Newcastle Head Office & Manufacturing Facility**

25 Pacific Highway  
Bennetts Green NSW 2290  
Ph: +61 2 4948 9099  
Fax: +61 2 4948 4087  
email: dsi@dywidag.com.au

**Perth Manufacturing Facility & Branch**

Gate 3 Wood Street  
Bassendean WA 6054  
Ph: +61 8 9449 8321  
Fax: +61 8 9449 8325  
email: dsi@dywidag.com.au

**Mount Isa**

199 Camooweal Street  
Mount Isa QLD 4825  
Ph: +61 7 4743 4244  
Fax: +61 7 4743 2711  
email: dsi@dywidag.com.au

**Emerald**

3 McKenzie Street  
Emerald QLD 4720  
Ph: +61 7 4982 0602  
Fax: +61 7 4987 4258  
email: dsi@dywidag.com.au

**Mackay**

Len Shield Street  
Paget Qld 4740  
Ph: +61 7 4952 4260  
Fax: +61 7 4952 4235  
email: dsi@dywidag.com.au

**Kalgoorlie**

Lot 15 Cunningham Road  
Kalgoorlie WA 6430  
Ph: +61 8 9091 1993  
Fax: +61 8 9091 4172  
email: dsi@dywidag.com.au

