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The DSI THREADBAR is a steel bar with continuous coarse threads hot rolled on two opposite sides. The continuous threads allow for anchorage and coupler installation anywhere along the bar. The coarse threads provide excellent bond to grout and are insensitive to dirt and damage. In addition, there is no loss of strength due to thread

## Reinforcing Threadbar T Grade

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Minimum Ultimate Grade (MPa)** | | **600** | **550** | **550** | **550** | **550** | **550** | **700** |
| **Minimum Yield Grade (MPa)** | | **500** | **500** | **500** | **500** | **500** | **500** | **555** |
| **Nominal Diameter (mm)** | | **20** | **25** | **28** | **32** | **40** | **50** | **63.5** |
| **Minimum Breaking Load (kN)** | | 188 | 270 | 339 | 442 | 691 | 1080 | 2217 |
| **Minimum Yield Load (kN)** | | 157 | 245 | 308 | 402 | 628 | 982 | 1758 |
| **Cross-section Area ($mm^2$)** | | 314 | 491 | 616 | 804 | 1257 | 1964 | 3167 |
| **Maximum Thread Diameter (mm)** | | 23 | 28 | 32 | 36 | 44 | 56 | 69 |
| **Unit Weight (kg/m)** | | 2.47 | 3.85 | 4.83 | 6.31 | 9.86 | 15.41 | 24.86 |
| **Minimum Bar Protrusion: $P_{1)}$ (mm)** | | 55 | 58 | 63 | 70 | 80 | 100 | 130 |
| **Dome Nut** | **L (mm)** | 41 | 45 | 54 | 57 | 70 | - | 115 |
| **p/n: T 2044** | **$A/F_{2)}$ (mm)** | 35 | 38 | 43 | 46 | 60 | - | 100 |
| **Hex Nut** | **L (mm)** | 35 | 50 | 55 | 60 | 70 | 85 | 115 |
| **p/n:T 2002 & T 2163** | **$A/F_{2)}$ (mm)** | 36 | 41 | 46 | 55 | 65 | 80 | 100 |
| **Coupler** | **C (mm)** | 110 | 115 | 125 | 140 | 160 | 200 | 260 |
| **p/n: T 3003** | **D (mm)** | 37 | 42 | 48 | 55 | 68 | 84 | 106 |
| **Typical Domed (D) or** | **W (mm)** | 150 | 150 | 200 | 200 | 220 | 275 | 300 |
| **Flat (F) Plate for Soil** | **T (mm)** | 10 | 10 | 12 | 16 | 25 | 45 | 70 |
| **Nails and** | **H (mm)** | 25 | 25 | 25 | 30 | 0 | 0 | 0 |
| **Rock Bolts** | **D or F** | D | D | D | D | F | F | F |

**Typical applications:** Soil and rock anchors, soil nails, mini-piles, tie rods and reinforcement.
**Specifications:** Threads are left hand. High ductility and elasticity.

**Notes**
1) Minimum Threadbar protrusion to accommodate tensioning or coupling; P=½C (mm).
2) Width measured across flats of nut.
3) Other hardware available not shown.
4) Corrosion protection available: pre-grouting in sheathing (DCP), hot dipped galvanising or thermal diffusion galvanising & epoxy coating.