

# Technical Data Sheet

Ref: TDS-02-933-01

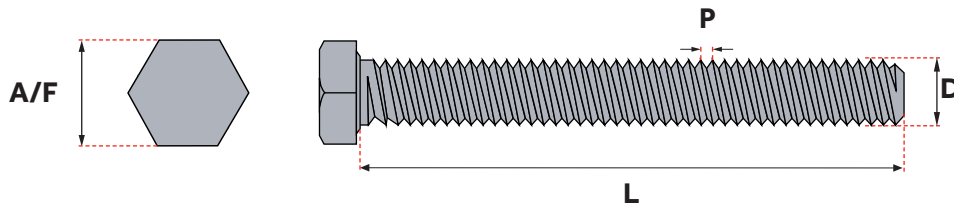
## Fasteners & Fixings

### Set Screws - Zinc - Grade 8.8

#### Features

- A fully threaded high tensile bolt used in a wide variety of applications.
- Manufactured from grade 8.8 high tensile steel.
- Hex head.
- Timbag and Timpac come with DIN 934 Hex Nuts unassembled.
- Metric thread.
- Zinc plated.
- Conforms to DIN933 (ISO 4017).

#### Dimensional Data



| Product Diameter Ø | Thread Ø x Length (D x L) (mm) | Socket Size (A/F) (mm) | Ultimate Tensile Strength* (N/mm²) | Yield # (N/mm²) | Thread Pitch (Coarse - mm) (P) | Ultimate Load (kN) | Ultimate Load (Kgf) | Shear - 60% of Ultimate (kN) |
|--------------------|--------------------------------|------------------------|------------------------------------|-----------------|--------------------------------|--------------------|---------------------|------------------------------|
| M6                 | M6 x L                         | 10                     | 800                                | 640             | 1.00                           | 16.1               | 1642                | 9.66                         |
| M8                 | M8 x L                         | 13                     | 800                                | 640             | 1.25                           | 29.2               | 2979                | 17.52                        |
| M10                | M10 x L                        | 17                     | 800                                | 640             | 1.50                           | 46.4               | 4734                | 27.84                        |
| M12                | M12 x L                        | 19                     | 800                                | 640             | 1.75                           | 67.4               | 6877                | 40.44                        |
| M16                | M16 x L                        | 24                     | 800                                | 640             | 2.00                           | 125                | 12755               | 75.00                        |
| M20                | M20 x L                        | 30                     | 830                                | 660             | 2.50                           | 203                | 20714               | 121.80                       |

All stated figures are approx and for reference only.

#### Ultimate tensile strength (UTS)

- \* Can be defined as the maximum amount of tensile stress that a component can withstand before it fractures.

#### Yield (or yield point)

- # Can be defined as the maximum amount of tensile stress that a component can withstand before it begins to exhibit deformation on release of this stress applied.