

Technical Systems

MARKET LEADER IN
FEED CONVEYING

SPECIALITY WIRE & WIRE BENDING

*MANAGING YOUR
FEED DISTRIBUTION
WITH FLEXIBILITY*

www.technicalsys.com
info@technicalsys.com
Tel: +27 21 949 9191
Cape Town, South Africa

SPECIALITY WIRE

Technical Systems has over 20 years of experience in flat wire production and heat treatment. We have recently expanded our market to produce high tolerance specification wire for different industries. An example would be mattress frame wire used in the furniture industry. If you want to challenge us with the production of your high-quality requirements please feel free to contact us.

Technical specifications:

- Steel grade: As per product specification
- Tensile Strength: 1,100 – 1,800 MPa, or as requested
- Standard Dimensions: 10 mm (+/- 0.2 mm) x 1.4 mm (+/- 0.02 mm) other sizes available
- Chemical analyses as per required specification

Quality control:

- **Input raw material:**
Material acceptance inspections of rod diameter, ovality and physical defects, with material steel grade verification.
- **Width & thickness dimensions:**
Continuous measurements to ensure correct dimensions.
- **Wire heat treatment and Hardness:**
Electronic and computerized readings to continuously measure the line speed, quenching, soaking and temper temperatures. Hardness & tensile tests per coil and re-checked at final packing.
- **Application testing:**
Bending and welding test conducted to ensure wire functionality.
- **Visual:**
Checks for possible deforming of product.
- **Packing checks:**
ISPM fumigation certificate, wrapping strength, covered in cloth to absorb excess oil, and strapping.



Packing Configuration

Pallet Flat Wire Coil Dimensions

(depending on the weight of the coil):

Inside diameter: 500 mm

Outside diameter: dependent on the coil weight.

Width: 80 mm – 300 mm

Weight: up to 1,000 kg per coil, as per requirement.

1 x 6 m (20 ft) container = maximum range from 19 – 25 tons, depending on allowable tonnage permitting per country.

Pallets are strapped, wrapped and covered with a cloth.



WIRE BENDING

We are able to provide our clients with flat wire, as well as offer the service of bending the wire in accordance to specifications provided.

Bread pan frames are available welded or non-welded.

A variety of input wire sizes can be accommodated.

Wire Bending Products are offered in the following ranges:

- Frame widths: 80 mm – 500 mm
- Frame lengths: 80 mm – 1,000 mm

