

Technical Specifications

Strap Tool



20 mm Model



23 mm Model

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STRAP TOOL – Technical Specifications

1 – Introduction

This document specifies the technical characteristics of the BI Connections Manual Strap Tool, designed for tensioning and cutting operations with precision, durability, and low maintenance in industrial and field applications.

2 – Description

The Strap Tool is specially developed for tensioning and cutting stainless steel straps, ensuring accurate and efficient work.

Its robust mechanical system enables stable manual operation with extended service life and consistent performance.

It is available in two models:

- One compatible with straps from 8 mm to 20 mm wide and up to 0.8 mm thick.
- Another compatible with straps from 8 mm to 23 mm wide and up to 1.0 mm thick.

Both models perform precise cuts with superior durability, reaching up to 3000 cuts without wear for the 20 mm model and up to 5000 cuts for the 23 mm model.

Its ergonomic design ensures ease of use, operational safety, and optimal performance under demanding working conditions.

3 – Characteristics

3.1 – General Characteristics

- High-strength mechanical design and long service life.
- Maximum tension: 7 kN (20 mm model) and 10 kN (23 mm model).
- Tempered blade with 62 HRC hardness for clean and durable cuts.
- Robust structure resistant to corrosion and high temperatures.
- Ideal for electrical, telecommunications, and piping installations.
- Ergonomic design for continuous operation.
- Lightweight and balanced for efficient handling.

3.2 – Material

High-strength carbon steel, with tempered blade (62 HRC) for greater durability.

3.3 – Mechanical Properties

Property	Approx. Value
Maximum tension (20 mm model)	7 kN
Maximum tension (23 mm model)	10 kN
Blade hardness	62 HRC
Work cycles (20 mm model)	3000
Work cycles (23 mm model)	5000

4 – Available Dimensions

Model	Compatible Width (mm)	Compatible Thickness (mm)	Height (cm)	Length (cm)	Weight (kg)
20 mm Model	8 – 20	Up to 0.8	22.5	24	1.2
23 mm Model	8 – 23	Up to 1.0	22.5	36	1.5

5 – Packaging and Presentation

The tools are supplied in individual packages with a user and calibration manual.

Each unit is inspected under quality control to ensure accuracy and optimal performance.

Its durable design, easy maintenance, and operational efficiency make it a cost-effective and reliable option for industrial and field environments.