

# FALCON™ m14 m20 m23™

## Key features in Falcon Series

- 1. Multiple feed and thickness with an adjustable automatic gate for easy hole feeding.
- 2. Electric gate with adjustable tension stop.
- 3. Built-in hole or punch size gauge for hole control.
- 4. Heavy-duty frame designed for heavy-duty service.
- 5. Precision ground guide plate in the work chamber and in the automatic gate for accurate positioning.

## Other key features include automatic operation:

- 1. The automatic operation allows for improving metal wire feed gate control for fast hole feed.
- 2. The automatic control unit is provided with wire diameter selector, hole diameter feed gauge or thickness gauge for programming.
- 3. The 10" electric wire gauge is fed from the top of the machine to eliminate any wire that protrudes and to decrease the risk of the electric feeding unit getting stuck to the wire and the die during other work.
- 4. The top die system is a compact unit system to make installation easy.

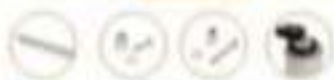


## Model and dimensions

- 1. Model m14 m20 m23
- 2. Dimensions (mm) 400 x 400 x 400



Model	Dimensions (mm)	Weight (kg)	Material
m14 m20 m23	400 x 400 x 400	120	Stainless Steel
m14 m20 m23	400 x 400 x 400	120	Stainless Steel
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**1. Torch handle**  
 The handle is used to hold the torch and is made of a heat-resistant material. It is connected to the torch body by a cable.

**2. Torch body**  
 The body is the main part of the torch that holds the nozzle, contact tip, and electrode holder. It is made of a heat-resistant material.

**3. Torch nozzle**  
 The nozzle is used to guide the electrode and protect it from the atmosphere. It is made of a heat-resistant material.

**4. Torch contact tip**  
 The contact tip is used to guide the electrode and protect it from the atmosphere. It is made of a heat-resistant material.

**5. Torch electrode holder**  
 The electrode holder is used to hold the electrode and is connected to the torch body by a cable.

**6. Torch electrode**  
 The electrode is the consumable part of the torch that melts to form the weld pool. It is made of a metal alloy.

**Welding torch**  
 The welding torch is used to heat the workpiece and melt the electrode to form the weld pool. It is made of a heat-resistant material.

Component	Material	Weight	Dimensions
Torch handle	Aluminum	1.5 kg	150 x 50 x 30 mm
Torch body	Aluminum	1.0 kg	100 x 50 x 30 mm
Torch nozzle	Aluminum	0.2 kg	50 x 30 x 15 mm
Torch contact tip	Aluminum	0.1 kg	20 x 10 x 5 mm
Torch electrode holder	Aluminum	0.5 kg	80 x 40 x 20 mm
Torch electrode	Aluminum	0.1 kg	100 x 10 x 5 mm
Torch assembly	Aluminum	4.4 kg	200 x 100 x 50 mm



**1. Torch handle**  
 The handle is used to hold the torch and is made of a heat-resistant material. It is connected to the torch body by a cable.

**2. Torch body**  
 The body is the main part of the torch that holds the nozzle, contact tip, and electrode holder. It is made of a heat-resistant material.

**3. Torch nozzle**  
 The nozzle is used to guide the electrode and protect it from the atmosphere. It is made of a heat-resistant material.

**4. Torch contact tip**  
 The contact tip is used to guide the electrode and protect it from the atmosphere. It is made of a heat-resistant material.

**5. Torch electrode holder**  
 The electrode holder is used to hold the electrode and is connected to the torch body by a cable.

**6. Torch electrode**  
 The electrode is the consumable part of the torch that melts to form the weld pool. It is made of a metal alloy.