

ESAB Cutmaster 100

Heavy Industrial



The ESAB Cutmaster 100 weighs in at 28 kg and provides 100 amps of cutting power. This unit's light weight compact design makes it the most portable and powerful cutting machine available. This unit combined with the 1Torch® has a maximum cut capacity of 45 mm (1 3/4"). More cut capacity than any other system in its class! Packages include power source, SL100 1Torch, spare parts kit, air filter/regulator, work cable and clamp and power cable.

- True Cut™ – 35mm (1-3/8")
- Quick Disconnect Torch for easy maintenance or machine torch conversion
- Auto-Restrike on mesh or expanded metal for maximum productivity
- True-Guard™ roll bar for ultimate protection
- TD Surelok® technology for better quality cuts and longer parts life

Industry

- Heavy Fabrication
- Ship Building
- Construction
- Manufacturing
- Structural Steel
- Rental Fleets
- Pipe and Pipelines
- Mining



Specifications / Technical data

Recommended Cut	35mm
Maximum Cut	45mm
Pierce Rating	20mm
Max Amperage Output	100A
Output Power	12 kW
Dimensions	305mm x 381mm x 762mm
Weight	28.1 kg
Torch Air pressure	5.2 bar
Torch Air consumption	212 l/m
Input voltage	400v +- 10% -3ph 50/60 Hz
Duty Cycle	80% @ 100A, 400V 3 ph
Amperage Draw	400V 3 ph, 27A

Ordering Information –

Description	Part Number
ESAB Cutmaster 100 6.1m SL100 400V 3ph	0559117303
ESAB Cutmaster 100 15.2m SL100 400V 3ph	0559117313






Options & Accessories

Description	Part Number
Spare Parts Kit (100A)	5-2556
Circle Cutting Guide Deluxe	7-8910
Circle Cutting Guide kit	7-3291
Raduis roller cutting guide kit	7-7501
Straight Line Cutting Guide	7-8911
Stand off cutting guide 40A	9-8251
Stand off cutting guide 60-120A	9-8281
Trigger guard	9-8420
Leather Lead Covers 6.1 m	9-1260
Leather Lead Covers 15.2 m	9-1280
Remote Pendent Control	7-3460
Hand Pendant Extention	7-7744
ATC 1Torch Lead Extension 4.6 m	7-7544
ATC 1Torch Lead Extension 7.6 m	7-7545
ATC 1Torch Lead Extension 15.2 m	7-7552
Single Stage Air Filter Kit	7-7507
Two Stage Air Filter	9-9387
Multi-Purpose Cart	7-8888
ATC ® 1Torch® SL 100 75° 6.1M	7-5206
ATC ® 1Torch® SL 100 90° 6.1M	7-5263

Note: All Spare Parts Kits include ten (10) Tips, five (5) Electrodes and one (1) Start Cartridge.

Ordering Information – Wear and Spare Parts

1Torch consumables	Part Number
Electrode	9-8215
Start Cartridge	9-8213
Start Cartridge – Heavy Duty	9-8277
Tip – Drag (60A)	9-8252
Tip – Standoff (90-100A)	9-8212
Tip – Gouging B (50-100A)	9-8226
Tip – Gouging C (60-120A)	9-8227
Tip – Gouging D (60-120A)	9-8228
Shield Cup	9-8218
Shield Cup Max Life	9-8237
Shield Cap (Drag only)	9-8236
Deflector	9-8243
Shield Cap - Gouging	9-8241

Gouging Profiles				
	Output Range	Depth	Width	Profile
Tip A	40 Amps (MAX)	Shallow	Narrow	
Tip B	50-100 Amps	Deep	Narrow	
Tip C	60-120 Amps	Moderate	Moderate	
Tip D	60-120 Amps	Shallow	Wide	
Tip E	120 Amps	Moderate	Wide	

Gouging profile chart for choosing the right gouging tip based on your application



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COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =