

# ESAB Cutmaster 80

## Industrial hand plasma equipment



The ESAB Cutmaster 80 weighs in at a mere 19.5 kg while still offering superior cutting power. Don't let the size of this unit fool you, it's more than capable of cutting 25mm (1") with a maximum capability of 38mm (1-1/2"). This unit, like all other TRUE™ ESAB Cutmasters, is equipped with the 1Torch®. Packages include power source, SL60 1Torch, spare parts kit, air filter/regulator, work cable and clamp and power cable.

- True Cut™ – 25mm (1")
- 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
- Farm and Ranch
- Construction
- Manufacturing
- Structural Steel
- Rental Fleets
- Pipe and Pipelines
- Mining
- Steel Service Centers



## Specifications / Technical data






|                       |                          |
|-----------------------|--------------------------|
| Recommended Cut       | 25mm                     |
| Maximum Cut           | 38mm                     |
| Pierce Rating         | 15mm                     |
| Max Amperage Output   | 80A                      |
| Output Power          | 9 kW                     |
| Dimensions            | 305 mm x 381 mm x 610 mm |
| Weight                | 19.5 kg                  |
| Torch Air pressure    | 5.2 bar                  |
| Torch Air consumption | 190 l/m                  |
| Input voltage         | 400V - 3 ph, 50/60 Hz    |
| Duty Cycle            | 40% @ 80A                |
| Amperage Draw         | 20A @ 400V, 3 ph         |

## Ordering Information –

| Description                              | Part Number |
|--|-------------|
| ESAB Cutmaster 80 6.1m SL60 400V 3ph CE  | 0559113304  |
| ESAB Cutmaster 80 15.2m SL60 400V 3ph CE | 0559113314  |

## 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 (80A)         | 9-8211      |
| 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*

## Options & Accessories

| Description                      | Part Number |
|----------------------------------|-------------|
| Spare Parts Kit (80A)            | 5-2555      |
| 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 60 75° 6.1M     | 7-5204      |
| ATC @ 1Torch@ SL 60 90° 6.1M     | 7-5260      |

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



ESAB / [esab.com](http://esab.com)



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MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
= ISO 9001 =  
= ISO 14001 =  
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