TORCH SETTING.
Spot on.

CALIBRATION UNIT FOR BEVELLING AGGREGATES.

TORCH SETTING.

Aligned towards unique precision.

The patented TORCH SETTING system from ESAB is a solution which saves both time and money when it comes to swift adjustment of tools on a bevelling aggregate or automatic wrist joint.

The calibration unit represents an optimum synthesis of:

- Mechanics
- Electronics
- Software

How does spot-on adjustment work?

The measuring ball representing the TCP (Tool Center Point) is screwed into the torch for calibration.
The measuring device records the movements and transfers the data measured to a PC or laptop for evaluation using the application software.

Then the wrist section is adjusted manually so as to ensure that the tool swivels perfectly around the TCP allowing the torch to perform precise cuts. The software has an uncomplicated and legible user interface. An intuitive assistant provides guidance through the program in either English or German. Extremely precise and swift adjustment is possible thanks to immediate calculation of correction values and set values.

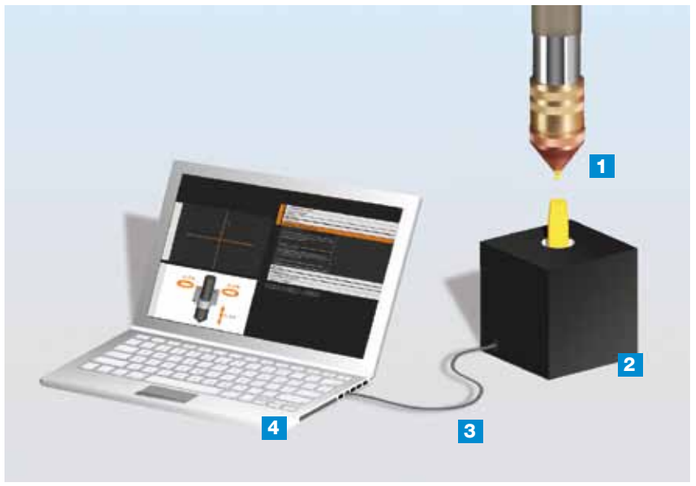
The software supplies a protocol in PDF format for each measuring cycle thus making a key contribution towards quality management and as regards optimising the service intervals.

What areas of application are covered?

TORCH SETTING is a forward-looking process as it can be used for aligning torches and other tools.

TORCH SETTING at a glance

1. Torch with calibration nozzle
2. Measuring device
3. USB cable
4. User software on customer PC

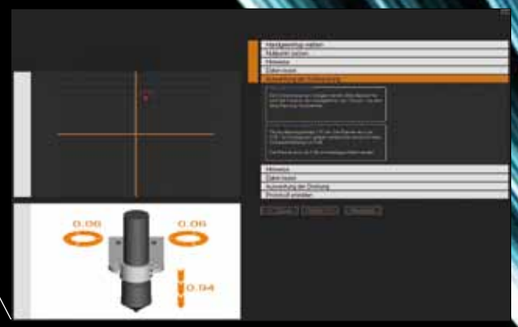


1

The program interface has a clearly visible layout which can even be viewed at a distance. An assistant guides users safely through the calibration process.

2

Evaluations of measurements indicate the location of the TCP (Tool Center Point) and provide the corrective values for manual adjustment.



3

A nozzle with measuring ball representing the TCP is screwed into the torch for calibration.

Precise adjustment using the innovative calibration unit

The smooth-running, 3-axis measuring device transfers the movements of the TCP into the measurement co-ordinate system. Data is evaluated in the user software. The entire process is complete within a mere few minutes.

Use TORCH SETTING now!

Request your compact service pack.

Your product highlights

- Eternally precise cutting results for guaranteed quality over the long term
- Continuous production-related control of the Tool Center Point
- Swift and easy adjustment of the bevelling device performed by your skilled worker

Opt for the future – Choose TORCH SETTING!

The scope of supply includes a calibration nozzle (co-ordinated to the respective torch used), a measuring device, the driver software, the application software, a USB data cable and operating instructions.

A prerequisite for installation is a standard PC or laptop with Microsoft Windows® XP operating system or higher and a USB connection.

Training and service

- Customised training on site by agreement
- Regular training courses in the ESAB Technology Center
- Free support hotline

Orders

Our product is available under the following sales number:
TORCH SETTING 68.250.8694.

Operating system

Microsoft Windows® XP 32Bit
Microsoft Windows® Vista 32Bit

Windows® is a registered trademark of Microsoft Corporation

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EAGLE™

The EAGLE™ machine is in a class of its own when cutting with the ESAB Plasmarc system.

It delivers outstanding results in terms of accuracy, productivity and quality throughout the cutting thickness range from 0.75 to 30 mm. The EAGLE™ machine is specifically designed for precision plasma applications. It combines high productivity, exceptional accuracy and sophisticated process integration to deliver the highest quality at the most economical price.

Description | Details | Downloads | Gallery | Contact

	EAGLE™ 2000	EAGLE™ 2500	EAGLE™ 3000	EAGLE™ 3500
External dimensions, LxWxH, mm	1600x 2950x 1700	1600x 3450x 1700	1600x 4450x 1700	1600x 4450x 1700
Mains supply, V/Hz	230/50	230/50	230/50	230/50
Input power, VA	2,000	2000	2,000	2,000
Max number of torches	1	2	2	2
Cutting thickness (1 torch), mm	<30	-	-	-
Cutting thickness (2 torches), mm	-	<30	<30	<30
Cutting speed, mm/min	35000	35000	35000	35000
Cutting process, Plasma	yes	yes	yes	yes
Cutting width (1 torch), mm	1500	-	-	-
Cutting width (2 torches), mm	-	2000	2500	3000
Track width, mm	2000	2500	3000	3500
Positioning speed, mm/min	30000	30000	30000	30000
Cutting table height, mm	700	700	700	700
Process combinations, Marking, Labeling	yes	yes	yes	yes
Single torch, plasma cutting	1	1	1-2	1-2

NUMOREX™

The NUMOREX™ is a heavy-duty and robust gantry machine designed to work in extreme conditions.

By automating the cutting and marking operations it consistently and reliably delivers a highest standard of quality and precision. The NUMOREX™ machine is designed to be fully integrated into a PLC (Programmable Logic Control) environment where the most accurate cutting system is required. The machine controller can be easily connected to the local network via ethernet, meaning a substantially higher communication rate and greater flexibility.

Description | Details | Gallery | Contact

	NUMOREX™ 6000	NUMOREX™ 6500	NUMOREX™ 7000	NUMOREX™ 7500	NUMOREX™ 8000
Cutting speed, mm/min	>24000	>24000	>24000	>24000	>24000
Cutting process, pasma	yes	yes	yes	yes	yes
Cutting process, oxy-fuel	yes	yes	yes	yes	yes
Track width, mm	6000	6500	7000	7500	8000
Cutting table height, mm	700	700	700	700	700
Weld edge preparation, plasma cutting	yes	yes	yes	yes	yes
Capacity, m3/h at Pa	yes	yes	yes	yes	yes
Fuel gases, acetylene/propane /natural gases/mixed gases	yes	yes	yes	yes	yes
Process combinations, plasma- and oxy-fuel cutting	yes	yes	yes	yes	yes
Process combinations, marking, labelling	yes	yes	yes	yes	yes
Single torch, plasma cutting	yes	yes	yes	yes	yes
Single torch, oxy-fuel cutting	>6	>6	>6	>6	>6

SUPRAREX™

The SUPRAREX™ is equipped with tools for exact positioning and high performance and with rugged drive elements for optimal machine response to achieve various cutting tasks.

Includes a VISION control of the latest generation as standard. Positioning speed up to 20,000 mm/min. Of course the SUPRAREX™ can be fitted with all applications like plasma and/or oxy-fuel in combination with marking applications.

View more

Description | Details | Downloads | Gallery | Contact

	SXE P1	SXE P2	SXE P3
Dimensons, L x B x H, mm	2000x3650-5150x2000	2000x4650-6150x2000	2000x5650-8650x2000
Cutting process, plasma	yes	yes	yes
Cutting process, oxy-fuel	yes	yes	yes
Cutting thickness (1 torch), mm	2200	3200	4200
Track width, mm	3000-4500	4000-5500	5000-8000
Positioning speed, mm	24000	24000	24000
Cutting table height, mm	700	700	700
Capacity, m3/h at Pa	no	yes	yes
Process combination, plasma and oxy-fuel cutting	yes	yes	yes
Process combination, marking and labelling	yes	yes	yes
Single torch, oxy-fuel cutting	1-6	1-8	1-12

TELEREX™

The TELEREX™ is synonymous with innovative and large machines in the world of cutting.

New technologies, advanced tools and process developments are presented on the TELEREX™.

Description | Details | Gallery | Contact

	TELEREX™ 7000	TELEREX™ 9200	TELEREX™ 14200	TELEREX™ 30000
Cutting speed, mm/min	>24000	>24000	>24000	>24000
Cutting process, plasma	yes	yes	yes	yes
Cutting process, oxy-fuel	yes	yes	yes	yes
Track width, mm	7000	9200	14200	30000
Cutting table height, mm	650	650	650	650
Weld edge preparation, plasma cutting	yes	yes	yes	yes
Capacity, m3/h at Pa	yes	yes	yes	yes
Fuel gases, acetylene/propane/natural gases/mixed gases	yes	yes	yes	yes
Process combinations, plasma and oxy-fuel cutting	yes	yes	yes	yes
Process combinations, marking, labelling	yes	yes	yes	yes
Cable length, m	yes	yes	yes	yes
Single torch, plasma cutting	yes	yes	yes	yes
Single torch, oxy-fuel cutting	>6	>6	>6	>6