schweißkraft®
Schweißtechnik

PLASMA CUTTING EQUIPMENT



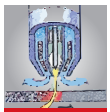
Patented Trafimector connection. Torch replacement without tools



Plasma cutting devices craftcut® – compact, economical and powerful for professional continuous use

- For stainless steel, aluminium, steel, non-ferrous metals, even with a coated surface
- From thin sheet to thick sheet
- Suitable for use with generator, e.g., in company workshops, at ports, chemical plants, schools, metalworking, on building sites, vessels, or for agricultural applications
- Pilot ARC controller: the preset welding current is not released until the arc has ignited.





Power Factor Correction

- **PFC** is an electrical or electronic circuit which increases the power factor

Multivoltage Einsatz weltweit

Generator Friendly



CRAFT-CUT 41P
- Power factor correction (PFC) allows for best possible use also when connected to cable drums

CRAFT-CUT 63
- With pressure regulator

CRAFT-CUT 123 CNC
- CNC interface for machine connection

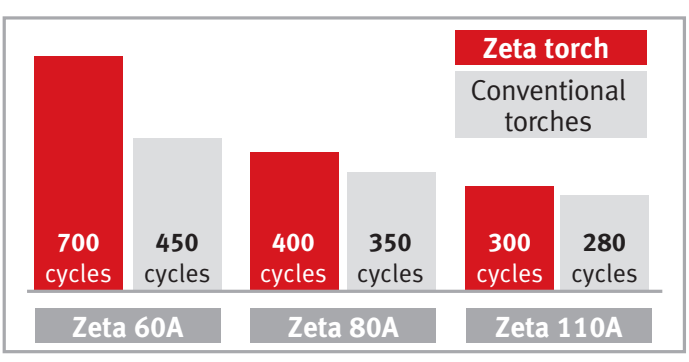
PLASMA CUTTING

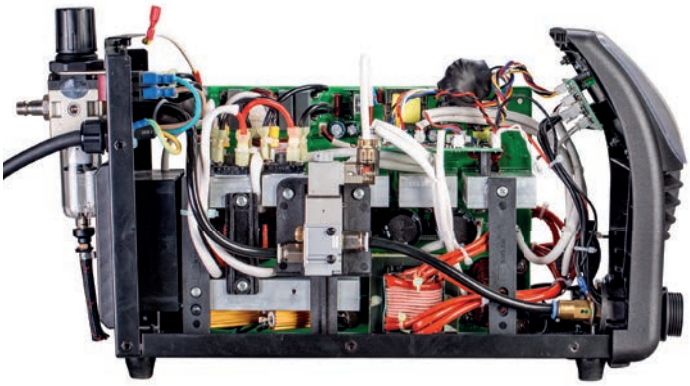
Scope of delivery
CRAFT-CUT 41/ CRAFT-CUT 41P
- 6 m plasma torch **S65, 6 m**
- 3 m earth cable 6 mm² with ground clamp 300 A
- Central adapter standard
- Filter pressure regulator with plug connector

Scope of delivery
CRAFT-CUT 63
- 6 m plasma torch **Zeta 60A**
- 3 m earth cable 8 mm² with ground clamp 300 A
- Trafimector central adapter
- Filter pressure regulator with plug connector

Scope of delivery
CRAFT-CUT 83
- 6 m plasma torch **Zeta 80A**
- 3 m earth cable 8 mm² with ground clamp 300 A
- Trafimector central adapter
- Filter pressure regulator with plug connector

Scope of delivery
CRAFT-CUT 123 CNC
- 6 m plasma torch **Zeta 110A**
- 3 m earth cable 8 mm² with ground clamp 300 A
- Trafimector central adapter
- Filter pressure regulator with plug connector





Model		CRAFT-CUT 41	CRAFT-CUT 41P	CRAFT-CUT 63	CRAFT-CUT 83	CRAFT-CUT 123 CNC
Art. no.		1075041	1075042	1075064	1075084	1075124
Technical specifications						
Quality cutting steel (ST37) approx.	mm	10 – 15 (depending on fuse)		25	32	45
Separating cut steel (ST37) approx.	mm	20		30	38	50
Quality cutting stainless steel approx.	mm	15		25	32	45
Separating cut stainless steel approx.	mm	20		30	38	50
Quality cutting aluminium approx.	mm	14		20	22	30
Separating cut aluminium approx.	mm	16		22	28	35
Duty cycle plasma	%	60	50	90	100	60
Duty cycle current at 100 % DC 40 °C Plasma	A	30	30	61	65	100
Adjusting range plasma	A	20 – 40		20 – 65	20 – 80	20 – 120
Supply voltage	V	160-275	90~275	400±10 %	400±10 %	400±10 %
Current consumption	A	33.9	**110 V:** 36.5 / **230 V:** 21.8	16.1	21.4	33.2
Total power	kVA	7.8	**110 V:** 4.0 / **230 V:**5,0	9.1	12.1	18.8
Power consumption plasma	kVA	4.9	4.8	6.1	8.5	13.8
Voltage at 100 % duty cycle 40 °C Plasma	V	92	92	104	106	120
Air consumption	l/min	120		140	160	200
Operating pressure	bar	5		5	5	5
Open circuit voltage	V	320	320	450	400	420
Insulation class		H	H	H	H	H
Dimensions (L x W x H)	mm	460 x 145 x 280	510 x 145 x 280	660 x 240 x 445	700 x 240 x 445	700 x 240 x 445
Weight	kg	8.3	8.1	23	28.7	32.7

Standards: Normen: EN 60974-1:2012 & EN 60974-10:2014 / EMC class A / IP degree of protection 21S





CRAFT-CUT 41
▶ With pressure regulator



CRAFT-CUT 41P
▶ Power factor correction (PFC) allows for best possible use also when connected to cable drums



CRAFT-CUT 63
▶ With pressure regulator



CRAFT-CUT 123 CNC
▶ CNC interface for machine connection

The controls



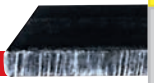
1. *Digital display Distance*
2. *Digital pressure display*
3. *Operation indicator (green)*
4. *Temperature indicator (yellow)*
5. *No air display*
6. *Work lamp for plasma cutter connection*
7. *Cutting current control*
8. *RUN/SET switch: **RUN** for start of cut; **SET** for gas test*

Cutting performance

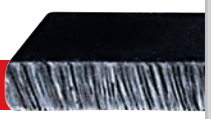
CRAFT-CUT 41
Quality cutting approx. **10 – 15 mm** (1)



CRAFT-CUT 41P
Quality cutting approx. **10 – 15 mm** (1)



CRAFT-CUT 63
Quality cutting approx. **25 mm** (1)



CRAFT-CUT 83
Quality cutting approx. **32 mm** (1)

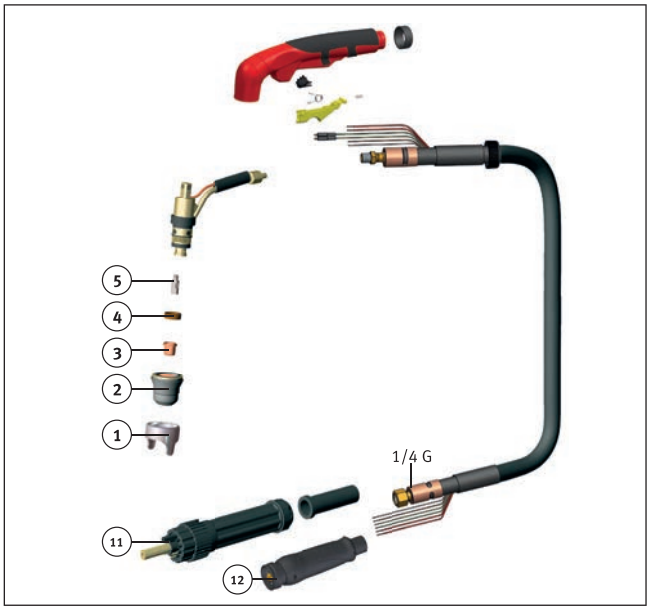


CRAFT-CUT 123 CNC
Quality cutting approx. **45 mm** (1)



(1) in steel

Plasma torch S65 6m incl. central connector for CRAFT-CUT 41 / 41P



Designation	Art. no.
S65 6 m incl. central connection, air-cooled	1332065

No.	Designation	Art. no.	PU (1)
5	Plasma electrode short	1332100	10
3	Cutting tip 0.8	1332101	10
3	Cutting tip 1.0	1332102	10
3	Cutting tip 1.6 for gouging	1332106	5
2	Tip retaining cap 29 mm	1332103	2
1	Spacer	1332104	2
	Contact protection	1332105	2
4	Diffusor 4.6 mm	1333112	2
	Guide carriage	1333141	1
	Wear parts set* *(compatible for Art no.: 1332065, 1075041, 1075042)*	1332110	1
	Circle cutting device	1333121	1



Circle cutting device

Technical specifications:	S65 6 m
Welding current DC max.	60 A
Duty cycle	60 %
Compressed air	4 bar
Compressed-air consumption	100 l/min

Automatic torch Zeta 110 for CRAFT-CUT 123



Designation	Art. no.
7.6 m Automatic torch Zeta 110	1331123

No.	Designation	Art. no.	PU (1)
1	Cooling tube Zeta 40 - 130A	1331202	4
2	Swirl ring Zeta 40 - 130A	1331204	2
3	Tip retaining cap Zeta 40 - 130A	1331206	2
	Circle cutting device Zeta	1331208	1
4	Electrode Zeta 110 - 130A	1331501	10
5	Cutting tip 1.5 mm Zeta 110 A	1331502	10
6	Spacer Zeta 110 - 130A	1331506	1
7	O-ring Zeta 40 - 130A 18 x 1 mm	1331209	1
8	Torch body Zeta 40 - 130A	1331210	1
	Actuator Zeta for switch unit 40 - 130A	1331211	1
	2-part button Zeta 40 - 130A	1331213	1
	Handle shell set Zeta 40 - 130A	1331214	1



Flame cutter S65 6 m with central connector



Wear parts sets

(1)***Wear parts set S 65 consisting of:***
5x electrode (Art no.: 1332100)
2x Diffusor (Art no.: 1333112)
3x cutting tip (Art no.: 1332101)
3x cutting tip (Art no.: 1332102)
2x tip retaining cap (Art no.: 1332103)
3x spacer (Art no.: 1332104)
1x Sorting box (Art no.: 1095000)

(1)***Wear parts set ZETA 80 consisting of:***
3x electrode (Art no.: 1331203)
3x cutting tip (Art no.: 1331401)
1x Swirl ring (Art no.: 1331204)
1x tip retaining cap (Art no.: 1331206)
1x spacer (Art no.: 1331402)
1x Cooling tube (Art no.: 1331202)
1x Sorting box (Art no.: 1095000)

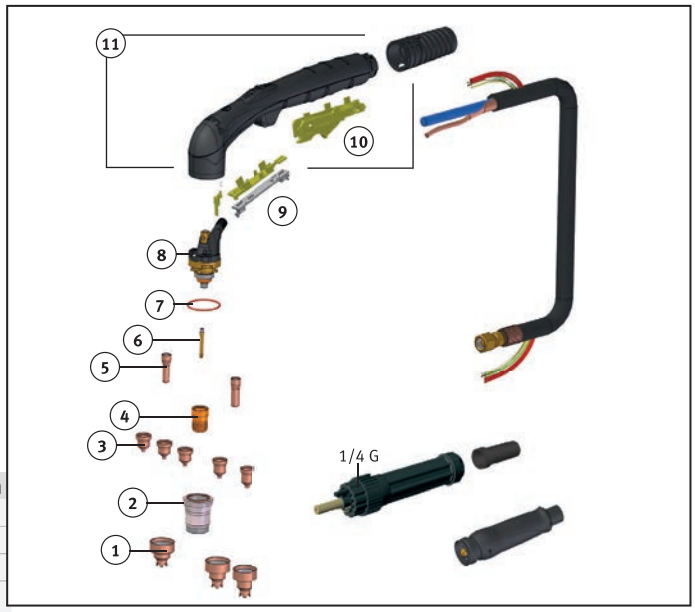
(1)***Wear parts set ZETA 60 consisting of:***
3x electrode (Art no.: 1331203)
3x cutting tip (Art no.: 1331301)
1x Swirl ring (Art no.: 1331204)
1x tip retaining cap (Art no.: 1331206)
1x Spacer (Art no.: 1331207)
1x Cooling tube (Art no.: 1331202)
1x Sorting box (Art no.: 1095000)

(1)***Wear parts set ZETA 110 consisting of:***
3x electrode (Art no.: 1331501)
3x cutting tip (Art no.: 1331502)
1x Swirl ring (Art no.: 1331204)
1x tip retaining cap (Art no.: 1331206)
1x spacer (Art no.: 1331503)
1x Cooling tube (Art no.: 1331202)
1x Sorting box (Art no.: 1095000)

(12)***Starter set Zeta 40-130A with box***
2x cooling tube 40-130A (1331202)
6x Electrode 40-80A (1331203)
4x Electrode 110-130A (1331501)
2x Swirl rings 40-130A (1331204)
3x Cutting tips 40A (1331205)
3x Cutting tips 60A (1331301)
3x Cutting tips 80A (1331401)
3x Cutting tips 110A (1331502)
3x Cutting tips 130A (1331601)
2x Tip retaining caps 40-130A (1331206)
1x spacer 40-60A (1331207)
1x spacer 80A (1331402)
2x Abstandsstücke 110-130A (1331503)

(1) **PU = Quantity in pieces per packaging unit Purchase only possible in PU**

Plasma torch Zeta 60 A 6 m
incl. Trafimector for CRAFT-CUT 63
Plasma torch Zeta 80 A 6 m
incl. Trafimector for CRAFT-CUT 83
Plasma torch Zeta 110 A 6 m
incl. Trafimector for CRAFT-CUT 123 CNC



Designation	Art. no.
Zeta 60 A 6 m incl. Trafimector air-cooled	1331060

Designation	Art. no.
Zeta 80 A 6 m incl. Trafimector air-cooled	1331080

Designation	Art. no.
Zeta 110 A 6 m incl. Trafimector air-cooled	1331120

Technical specifications:	Zeta 60 A 6 m	Zeta 80 A 6 m	Zeta 110 A 6 m
Welding current DC max.	60 A	80 A	110 A
Duty cycle	45 %	65 %	85 %
Compressed air	5 bar	5 bar	5 bar
Compressed-air consumption	120 l/min	140 l/min	155 l/min

	No.	Designation	Art. no.	PU (1)	
	6	Cooling tube Zeta 40-130A	1331202	4	
	5	Plasma-electrode Zeta 40-80	1331203	10	
	4	Diffusor Zeta 40-130A	1331204	2	
	3	Cutting tip Zeta 60 A	1331301	10	
		Cutting tip Zeta 80 A	1331401	10	
		Cutting tip Zeta 110 A	1331502	10	
		Cutting tip Zeta 130 A	1331601	10	
		Cutting tip for gouging Zeta 40 – 60A for Zeta 60 A	1331220	10	
		Cutting tip for gouging Zeta 80A for Zeta 80A	1331410	10	
		Tip retaining cap for gouging Zeta 40 – 60A for Zeta 60 A, Zeta 80 A	1331221	2	
		Cutting tip for gouging Zeta 130A for Zeta 110A	1331605	10	
		Tip retaining cap for gouging Zeta 130A for Zeta 110A	1331606	2	
	2	Tip retaining cap Zeta 40-130A	1331206	2	
	1	Spacer Zeta 40-60A	1331207	2	
		Tip retaining cap Zeta 40-130A	1331206	2	
		Spacer Zeta 110-130A	1331503	3	
		Electrode Zeta 110 - 130A	1331501	10	
	7	O-ring Zeta 40-130A	1331209	1	
	8	Torch body Zeta 40 - 130A	1331210	1	
	9	Actuator for switch unit 40 - 130A	1331211	1	
	10	Button 2-part Zeta 40 – 130A	1331213	1	
	11	Handle shell set Zeta 40 - 130A	1331214	1	
		Starter set Zeta 60A	1331300	1	
		Starter set Zeta 80A	1331400	1	
		Starter set Zeta 110A	1331500	1	
		Starter set Zeta 40-130A with box	1331201	1	
	12	Wear parts set(1) for *Zeta 60 A 6 m* *(Compatible for Art no.: 1075064, 1331000, 1331060)*	1331305	1	
		Wear parts set(1) for *Zeta 80 A 6 m* *(Compatible for Art no.: 1075084, 1331000, 1331080)*	1331405	1	
		Wear parts set(1) for *Zeta 110 A 6 m* *(Compatible for Art no.: 1075124, 1331000, 1331120)*	1331505	1	
		Circle cutting device Radius: max. max. radius 420mm - min. radius 45mm / max. Radius 280mm ; min. radius 45mm	1331208	1	

(1) **PU = Quantity in pieces per packaging unit Purchase only possible in PU**