

# Plasma Cutting Torches "PSB" air cooled

## Rating up to 30 A

Plasma cutting torch PSB 31 – the sturdy and reliable classical tool for manual cutting applications with safety switch.

Depending on the equipment parts fitted and the respective cable assembly, the PSB 31 can be used with:

- single flow systems, designed for ignition by contact (KZS)
- single flow systems, designed for short-circuit ignition (KKS)
- single flow systems, designed for non-contact ignition (HFS)



### PSB 31 KZS PSB 31 HFS PSB 31 KKS

#### Technical data (EN 60 974-7):

Type of cooling:	air cooled
Pilot current:	10–15 A (max. 18 A)
Rating:	30 A (at 60% Duty cycle)
Type of gas:	Compressed air
Gas flow:	approx. 130 l/min.
Working pressure:	3.5–4.5 bar
Air value defined with nozzle size 1.0 mm:	
– Plasma air:	approx. 12.5 l/min.
Gas post flow:	≥ 15 sec.
Type of ignition:	Contact / HF
Gas supply:	Compressed air both for plasma and cooling gas
Ignition voltage:	7 kV (HF)
Cutting thickness:	max. 10 mm at 30 A depending on material to be cut and power source

#### Torch complete

Type	Connector	Part-No.	
		4 m	6 m
PSB 31 KZS	Single gas / Ignition by contact	742.0046	742.0087
PSB 31 HFS	Single gas / Non-contact ignition	742.0109	742.0134
PSB 31 KKS	Single gas / Short-circuit ignition	742.0135	742.0136

#### Torch body

Type	Part-No.
PSB 31 S	742.0104
PSB 31 S	742.0104
PSB 31 S	742.0104

**Note! Security advice:** When changing consumables or other jobs at the torch, always switch off the power source.

# PSB 31 KZS / PSB 31 KKS / PSB 31 HFS

## Wear parts

### KZS version

### KKS version

### HFS version

#### Electrode (10 pcs.)



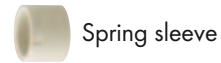
15.0 mm	742.0015	742.0015	742.0015	-
15.5 mm Standard	742.0016	742.0016	742.0016	-
17.5 mm	-	-	-	744.0064

#### Spring (10 pcs.)



	744.0024	-	-	-
--	----------	---	---	---

#### Spring sleeve / Insulating sleeve (10 pcs.)



	742.0025	742.0082	742.0038	
--	----------	----------	----------	--

#### Nozzle (10 pcs.)



Ø 1.0 mm / 30-40 A	742.0011	742.0083	742.0011	742.0030
Ø 1.2 mm / 40-50 A	742.0026	742.0105	742.0026	-

#### Spring (10 pcs.)



	-	742.0084	-	-
--	---	----------	---	---

#### Shield cap (1 pc.)



	742.0004	742.0086	742.0004	
--	----------	----------	----------	--

#### Distance spring (10 pcs.)



	-	742.0089		
--	---	----------	--	--

#### Safety clamp (1 pc.)



		742.0099		
--	--	----------	--	--