

# TORCHES

SB

SB 500 F

SB 800 F

SB 1200

SB 2000

HOBS 1S

SBK

SHBS / SHBA

SHBS-M(S) F / SHBA-M(S) F

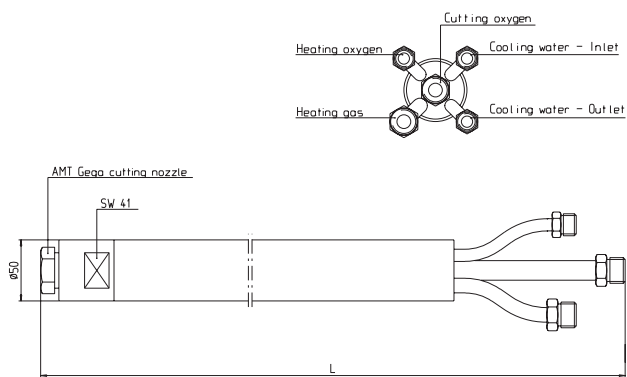
Ignition Burner

# SB TORCHES

The AMT Group SB torch range is a benchmark product in cutting technology. With the inner workings of the torch well shielded against the environment, long operating cycles are made possible. AMT Gega nozzle holders can be maintained on site and with little effort by use of a special seat re-cutting tool. Water cooling of the nozzle holder itself increases the lifespan of the cutting nozzle even further.



# SB 500 F TORCHES



## MAIN CHARACTERISTICS

Length range	500 mm – 1900 mm
Shaft pipe diameter	50 mm

LENGTH (mm)	ITEM NO.	ITEM NO.
400	101512	
500	101513	
600	101514	
700	101515	
800	101516	
900	101517	
1000	101518	
1100	101519	
1200	101521	
1300	101523	111911
1400	101524	112072
1500	101525	112073
1600	109288	
1700	109337	
1800	101526	
1900	101527	

CONNECTIONS

Heating oxygen	G 3/8"	UNF 1 1/16 JIC
Cutting oxygen	G 1/2"	UNF 1 1/16 JIC
Heating gas	G 1/2"LH	UNF 7/8 JIC
Water inlet	G 3/8"	UNF 3/4 JIC
Water outlet	G 3/8"	UNF 3/4 JIC

APPLICABLE NOZZLES

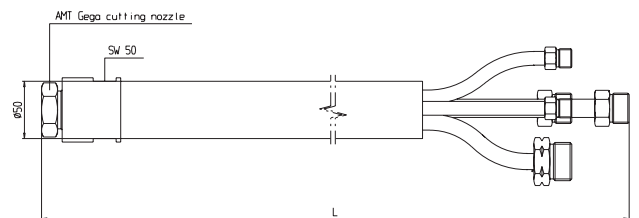
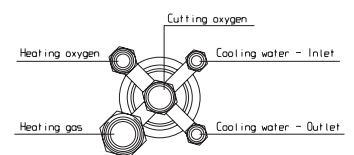
SHEL F	+	+
SDS F	+ (except 61 F)	+ (except 61 F)
SDS FP	+	+
SDS FB	+	+

APPLICABLE GAUGE NOZZLES	ITEM NO.	ITEM NO.
Heating gas	103507	112701
Cutting oxygen	103508	112831
Heating oxygen	103509	112702

SERVICE TOOLS (ITEM NO.)

Nozzle seat reamer	110411	110411
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# SB 800 F TORCHES



## MAIN CHARACTERISTICS

Length range	1200 mm – 1700 mm
Shaft pipe diameter	50 mm

LENGTH (mm)	ITEM NO.
1200	112145
1700	113009

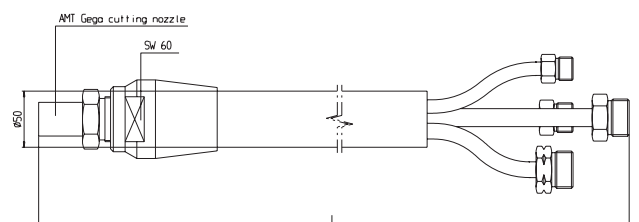
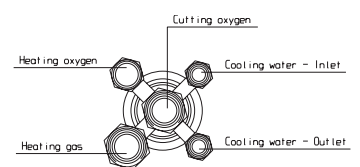
DIMENSIONS (mm)	
Shaft pipe diameter	50
Spanner width	SW 50

CONNECTIONS	
Heating oxygen	G 1/2"
Cutting oxygen	G 3/4"
Heating gas	G 1" LH
Water inlet	G 3/8"
Water outlet	G 3/8"

APPLICABLE NOZZLES	ITEM NO.
SDS 61 F	111951

SERVICE TOOLS	ITEM NO.
Nozzle seat reamer	112267

# SB 1200 TORCHES



## MAIN CHARACTERISTICS

Length range	500 mm – 1800 mm
Shaft pipe diameter	50 mm



LENGTH (mm)	ITEM NO.
500	112614
600	108903
700	101529
800	108904
900	108905
1000	108906
1100	101530
1200	108908
1300	108909
1400	108910
1500	108912
1600	108913
1700	108914
1800	108915

**DIMENSIONS (mm)**

Shaft pipe diameter	50
Spanner width	SW 60

**CONNECTIONS**

Heating oxygen	G 3/4"
Cutting oxygen	G 1"
Heating gas	G 1" LH
Water inlet	G 1/2"
Water outlet	G 1/2"

**APPLICABLE NOZZLES**

STD 1 – 4	+
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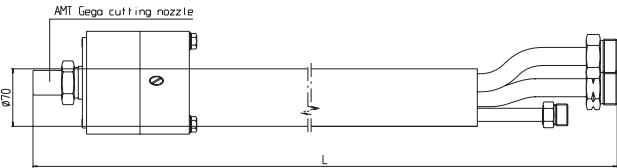
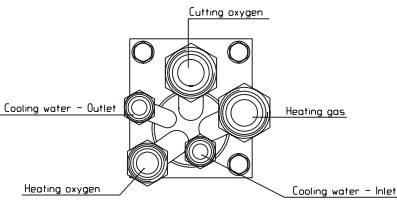
**APPLICABLE GAUGE NOZZLES**

	ITEM NO.
Heating gas	103509
Cutting oxygen	112479
Heating oxygen	103507

**SERVICE TOOLS**

	ITEM NO.
Nozzle seat reamer	111379

# SB 2000 TORCHES



## MAIN CHARACTERISTICS

Length	1200mm
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LENGTH (mm)	ITEM NO.
1200	114180

DIMENSIONS (mm)	
Shaft pipe diameter	70

CONNECTIONS	
Heating oxygen	G 1"
Cutting oxygen	G 1 1/4"
Heating gas	G 1 1/4" LH
Water inlet	G 3/4"
Water outlet	G 3/4"

APPLICABLE NOZZLES	ITEM NO.
STD 5	114181

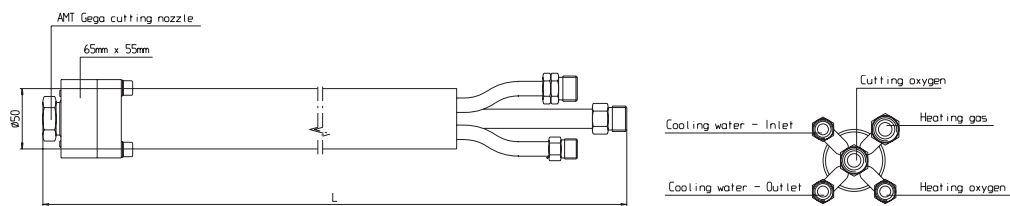
# HOBS 1S TORCHES

The AMT Gega HOBS 1S torch is the technological counterpart to the AMT Gega HOT nozzle range. The fastest separation system in autogenous technology, this sophisticated cutting system is based on a high pressure procedure. The HOBS 1S unit is designed for operation in the area of smelting works and impresses with a high level of robustness in daily steel works operation.



## MAIN CHARACTERISTICS

Length range	500 mm – 1500 mm
Shaft pipe diameter	50 mm



LENGTH (mm)	ITEM NO.
500	106892
600	106893
700	106894
800	106895
900	106896
1000	106897
1100	106898
1200	106899
1300	106900
1400	106902
1500	106903

DIMENSIONS (mm)	
Shaft pipe diameter	50

CONNECTIONS	
Heating oxygen	G 3/8"
Cutting oxygen	G 1/2"
Heating gas	G 1/2"LH
Water inlet	G 3/8"
Water outlet	G 3/8"

APPLICABLE NOZZLES	ITEM NO.
HOT 1 S	+

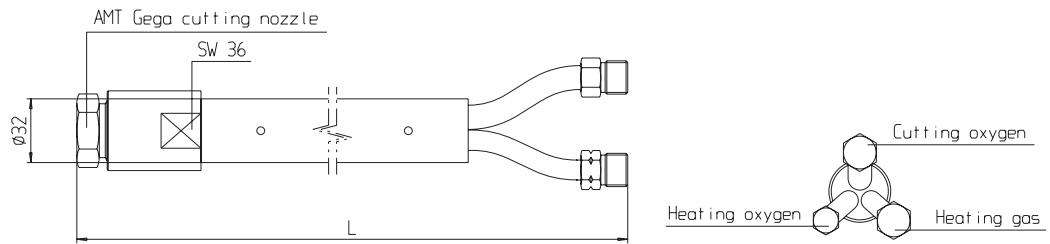
# SBK TORCHES

SBK type torches are specifically designed for the mobile cutting system Corti. It shares its origin with the SB 500 F, however lacking the cooling jacket. The advantage of the SBK compared to the SB 500 F is a lighter design due to the missing parts of the cooling items and the cooling water itself. The same nozzles as in the SB 500 F can be used.



## MAIN CHARACTERISTICS

Length range	400 mm – 1000 mm
Shaft pipe diameter	32 mm

**LENGTH (mm)****ITEM NO.**

400	101528
500	112008
600	112010
700	109869
900	109871
1000	113273

**DIMENSIONS (mm)**

Shaft pipe diameter	32
Spanner width	SW 36

**CONNECTIONS**

Heating oxygen	G 1/4"
Cutting oxygen	G 3/8"
Heating gas	G 3/8"LH

**APPLICABLE NOZZLES**

SHEL F	+
SDS F	+ (except 61 F)
SDS FP	+
SDS FB	+

**SERVICE TOOLS****ITEM NO.**

Nozzle seat reamer	110411
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# SHBS / SHBA TORCHES

The manual cutting torches by AMT Gega are called SHBS or SHBA and differ in the angle of the nozzle holder. With the model S, the nozzle seat is straight on the torch axis, whereas the A variant shows a 90° cranking at the head.

The area of use of this product is the emergency separation of slabs – strand situations and in manual cutting processes, and also heavy scrap cutting. A powder machine can be provided on request.



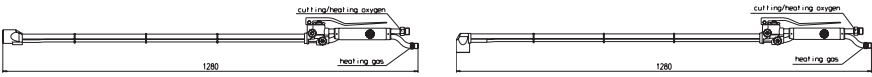
SHBS



SHBA



SHBS	SHBA
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ITEM NO.	108983	108972
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DIMENSIONS (mm)		
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Length	1280	1280
Spanner width	SW 27	SW 27

CONNECTIONS		
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Cutting oxygen	G 1/2"	G 1/2"
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APPLICABLE NOZZLES	ITEM NO.	ITEM NO.
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SD 3 HSO	107884	107884
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SERVICE TOOLS	ITEM NO.	ITEM NO.
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Nozzle seat reamer	103304	103304
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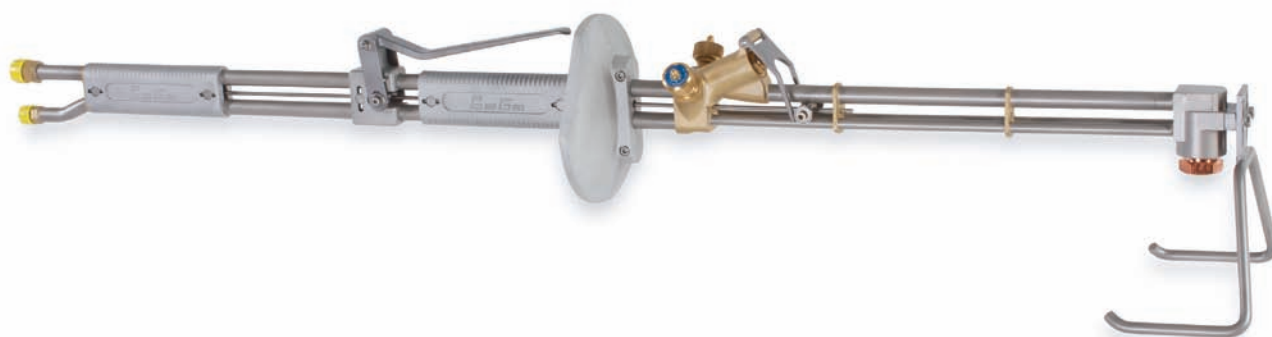
# SHBS-M(S) F / SHBA-M(S) F TORCHES

For your personal safety in the smelting works process, AMT Gega provides emergency cutting torches. This development impresses with a high level of robustness and reliability in emergency situations.

As with many AMT Gega products, a large amount of additional equipment is available. This type of torch can be manufactured from 1200 to 5000 mm.



SHBS-M(S) F

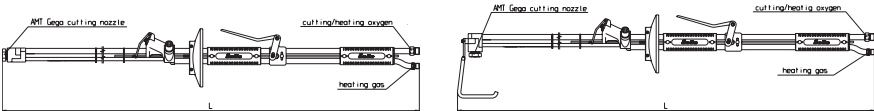


SHBA-M(S) F

## MAIN CHARACTERISTICS

Length range	1200 mm – 5000 mm
Spanner width	SW 27

SHBS-M F	SHBS-MS F	SHBA-M F	SHBA-MS F
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LENGTH (mm)	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.
1200	107413		107393	
1500	107414		107394	
1800	107415		107395	
2000	112022			
2100	107416		107396	
2400	107417		107397	
2700	107418		107404	
3000	107419		107405	
3500		107420		109354
4000		109418		107407
5000		113142		

DIMENSIONS

Spanner width	SW 27	SW 27	SW 27	SW 27
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CONNECTIONS

Cutting oxygen	G 1/2"	G 1/2"	G 1/2"	G 1/2"
Heating gas	G 3/8"LH	G 3/8"LH	G 3/8"LH	G 3/8"LH

APPLICABLE NOZZLES

SHEL F	+	+	+	+
SDS F (excludes SDS 61 F)	+	+	+	+
SDS FP	+	+	+	+
SDS FB	+	+	+	+

SERVICE TOOLS	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.
Nozzle seat reamer	110411	110411	110411	110411

# IGNITION BURNERS TORCHES

This new design of the ignition burner is directly installed on the burner and enables exceptionally safe operation.

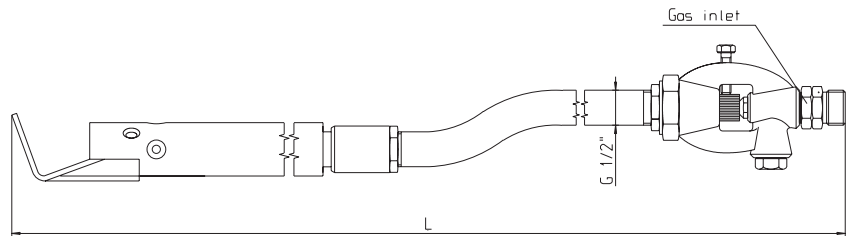
This type of ignition burner can be ignited in any position. The fix position delivers significantly improved ignition reliability.



## MAIN CHARACTERISTICS

Length range	300 mm – 1400 mm
Shaft pipe diameter	21.3 mm

IGNITION BURNER



LENGTH (mm)	ITEM NO.
300	109873
400	109874
500	108929
600	108928
700	108927
800	108926
900	108925
1000	108924
1100	108923
1200	108922
1300	108921
1400	107666

DIMENSIONS (mm)	
Shaft pipe diameter	21.3

CONNECTIONS	
Inlet gas	G 1/2" LH M

PRESSURE (mbar)	
Propan gas	60 – 80
Natural gas	80 – 120

# FINE ADJUSTMENT VALVE TYPE 920 VALVES

The AMT Gega fine adjustment valve is responsible for the exact media dosage of the heating system. The process path provides short routes from the valve to the consumer. For this reason, this component is positioned as close as possible to the torch, without being exposed to heat radiation.

Due to uneven lengths of supply pipelines and hoses, the introduction of a fine adjustment valve is required. This is compensated by using an AMT Gega fine adjustment valve.



## MAIN CHARACTERISTICS

Adjustable	yes
Regulation	manual
Max. pressure	50 bar

TYPE	920/400	920/413	920/431	920/433
MEDIUM	Oxygen, CPM	Oxygen, CPM	Oxygen, CPM	Oxygen, CPM
ITEM NO.	106785	102757	106717	106718
DIMENSIONS (mm)				
Height	60	60	60	60
Width	25	25	25	25
Length	48	92.5	92.5	98
CONNECTION				
Inlet 1	G 1/4" F	G 1/4" M	G 1/4" F	G 1/4" F
Outlet 1	G 1/4" F	G 1/4" F	G 1/4" M	G 1/4" F
MATERIAL	Brass	Brass	Brass	Brass