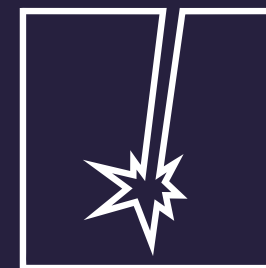




TIG
PROFLEX
SPARTUS®

2023

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SPARTUS®

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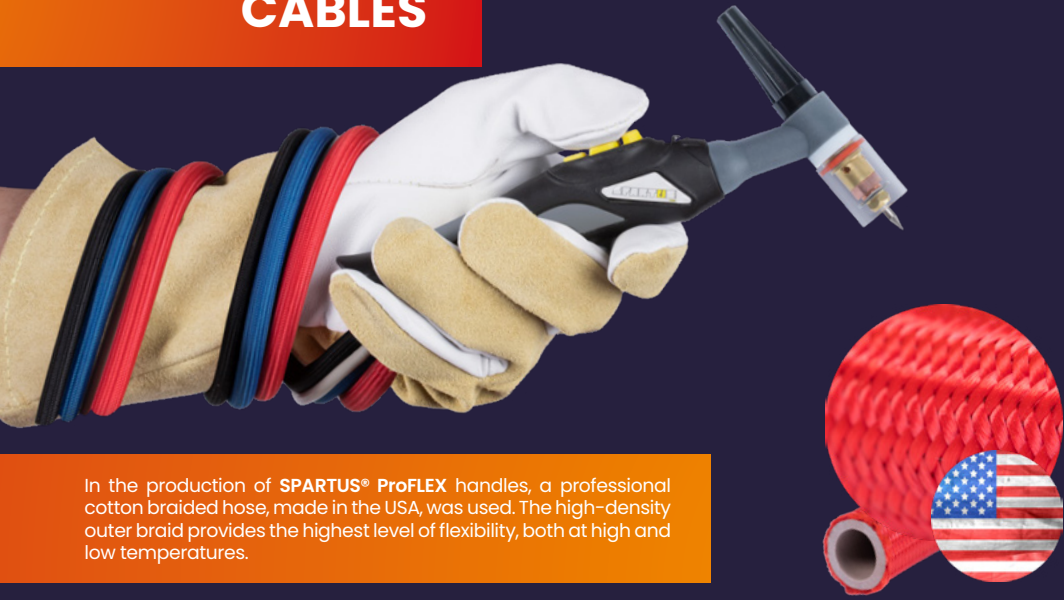
The **SPARTUS®** brand, which was built with the intention of development the welding industry, was established 15 years ago. The experience gained has allowed us to create a professional PRO product line, which is used in the industrial sector and wherever standard solutions are insufficient.

We can proudly emphasize that we are the leading manufacturer of welding torches in Poland. Recent years of intensive development have made SPARTUS® products gain recognition on the European market.

SPARTUS® ProFLEX TIG torches manufactured in Poland are characterized by high quality of components used and solid workmanship. A wide selection of torch bodies, handles, microswitches and cable packages allows you to meet the expectations of even the most demanding welders.

We invite you to get familiar with the catalog of TIG ProFLEX welding torches. The current offer and new products will certainly include solutions ideally suited to your needs.

CABLES



In the production of **SPARTUS® ProFLEX** handles, a professional cotton braided hose, made in the USA, was used. The high-density outer braid provides the highest level of flexibility, both at high and low temperatures.



The copper current line used in gas-cooled guns is one of the best conductors.

The tin coating protects the copper current line from oxidation and degradation in liquid-cooled guns.

POLISH PRODUCT

Torches **SPARTUS® ProFLEX** brand are made in Poland

CODE CONSTRUCTION

TORCH BODY	LENGTH	HANDLE WITH MICROSWITCH	PACKAGE	CONNECTION
SP9	4	SRP1B	T	9SPA
SP9FL	8	SRP2B	T	2KMP
SP9FXL	U	1LIN
SP9FXXL	16	SW1	U	1ESB
SP9P	24	SWIF	X	2ESB
				1MAG

Example: SPP9-4-SRP1B-X-9SPA

CABLE PACKAGES

In **SPARTUS® ProFLEX** holders, 3 types of cable covers can be used. The „T” and „U” packages are manufactured in a textile-polyester cover, while the „X” package is made in a textile-rubber cover. The „U” and „X” packages also have a one-meter section of leather behind the handle.



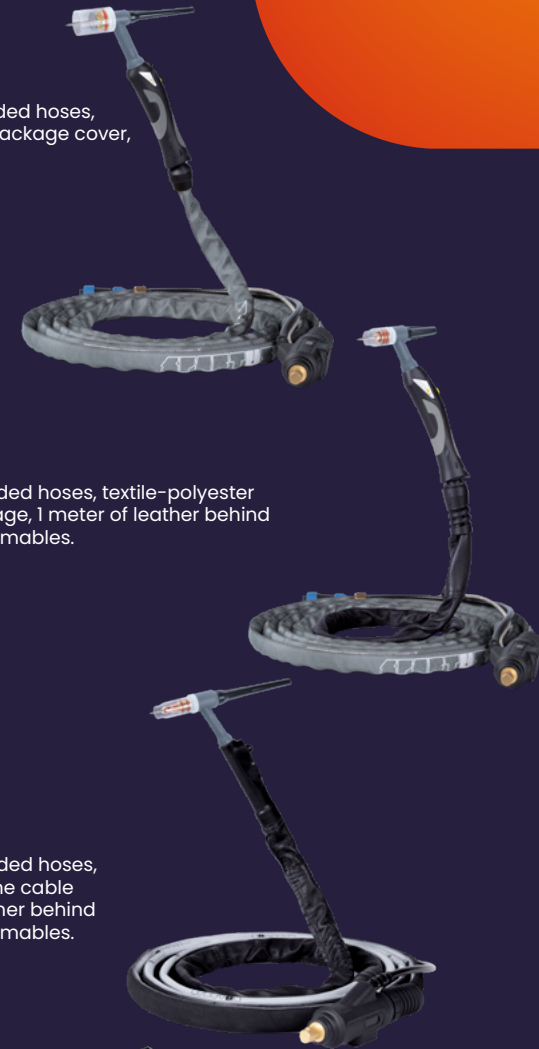
T package - cotton braided hoses, textile-polyester cable package cover, box of consumables.



U package - cotton braided hoses, textile-polyester cover of the cable package, 1 meter of leather behind the handle, box of consumables.



X package - cotton braided hoses, textile-rubber cover of the cable package, 1 meter of leather behind the handle, box of consumables.



SPARTUS® ProFLEX torches are equipped with a handy box containing consumables (toolbox).

TORCH BODY

In the line of **SPARTUS® ProFLEX** torches you will find a wide range of bodies of gas- and liquid-cooled torches. In addition to standard solutions, we also offer product options in short, extended and flexible versions. Thanks to the reinforced construction and a special silicone coating, the bodies of **SPARTUS® Pro** torches are extremely durable and perfectly adapted to work in high temperatures.

CONSUMABLES

Each **SPARTUS® ProFLEX** torch is equipped with a handy box containing basic consumables. In addition to standard consumables, we also offer innovative **QUARTZ** systems - with a transparent nozzle and **CUP** - which guarantees the best gas shield.



HANDLES

The **SPARTUS® ProFLEX** torches feature profiled handles equipped with special non-slip linings. The ergonomic shape ensures a perfect fit to the hand, allowing you to work freely. Depending on the construction of the torch body, we use a standard handle (**SRP**) and a mini handle (**mSRP**) in the torches. To meet the expectations of customers, we are able to make a handle on a round handle.



MICROSWITCHES

In **SPARTUS® ProFLEX (SRP/mSRP)** handles, we offer 4 microswitch solutions: single, double, quadruple (**UP&DOWN**), and with a potentiometer. A specially designed microswitch board allows you to replace the entire module in just a few seconds. For people working with round handles, we offer a flat or convex microswitch.



BALL JOINT

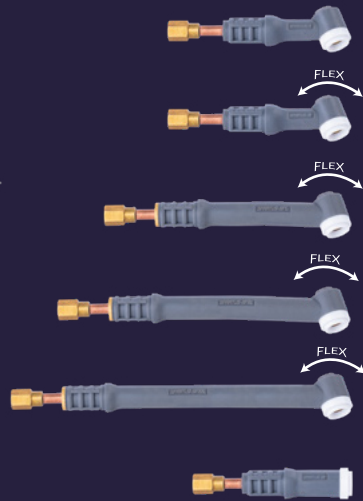
The ball joint used behind the handle in **SPARTUS® ProFLEX** torches significantly improves the comfort of work. It does not restrict hand movements, allowing for smooth and reliable operation of the torch body during operation.

WIDE CHOICE OF CONNECTIONS

Thanks to the wide range of connections, **SPARTUS® ProFLEX** torches can be used with many market-leading welding devices. The basic list is available on pages 21-24. All other connection configurations are made on individual customer request.



Duty cycle: 80%
 Rating: 125A DC 100A AC
 Electrode diameter: 0.5 - 2.4mm



SP9
Standard L=51mm

SP9F
Flex L=51mm

SP9FL
Flex L=93mm

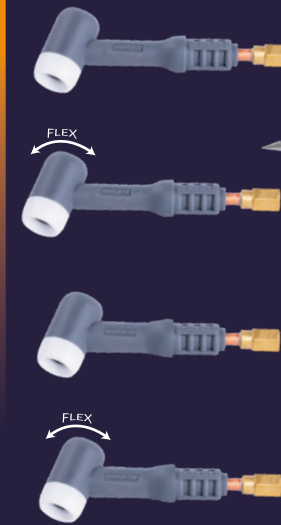
SP9FXL
Flex L=122mm

SP9FXXL
Flex L=143mm

SP9P
Straight L=41mm



Duty cycle: 80%
 Rating: 150A DC 115A AC
 Electrode diameter: 0.5 - 3.2mm



SP17
Standard L=73mm

SP17F
Flex L=73mm

SP17S
Flex L=62mm

SP17SF
Short, flex L=62mm

SP9 PROFLEX



HANDLES
mSRP / SW

MICROSWITCHES
1B / 2B / 4B / H10K
/ 1 / 1F

LENGTH
4 - 25m

PACKAGES
T / U / X

SP17 PROFLEX

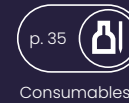
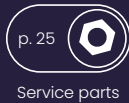


HANDLES
mSRP / SW

MICROSWITCHES
1B / 2B / 4B / H10K
/ 1 / 1F

LENGTH
od 4 do 25m

PACKAGES
T / U / X





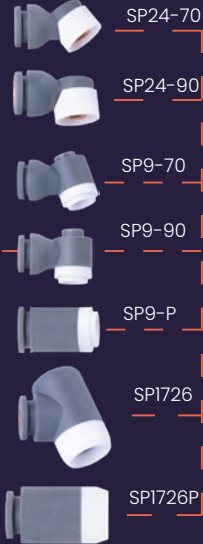
Duty cycle: 80%

Rating: SP24, SP9 125A DC, 100A AC SPI726 150A DC, 125A AC

Electrode diameter: 0.5 - 2.4mm 0.5 - 3.2mm

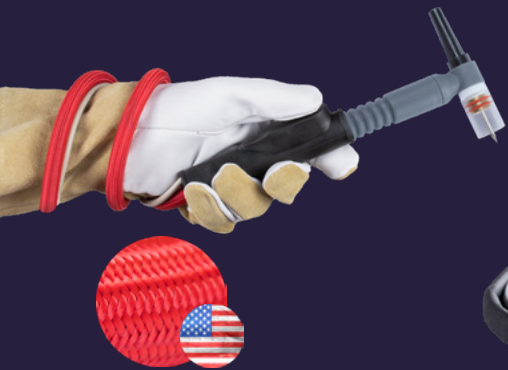


SP155F
Torch body L=65mm



Replaceable **SPARTUS®** torch heads are an innovative solution that allows for instant replacement of the head, depending on the needs - size of the head, angle of inclination. In the SP155F holders, heads of the standard SP24/24W, SP9/20 or SPI7/18/26 can be used interchangeably.

SP155F PROFLEX



HANDLES
SW

MICROSWITCHES
1 / 1F

LENGTH
4 - 25m

PACKAGES
T / U / X

p. 27
p. 35

Consumables

p. 25

Service parts

p. 21

Connections

SPARTUS® PROFLEX

A complete set of replaceable torch heads with Long Neck TIG extensions by **SPARTUS®** available in a dedicated box.

SPBOX1-HEAD

Set contains:

Heads: SP24-70, SP24-90

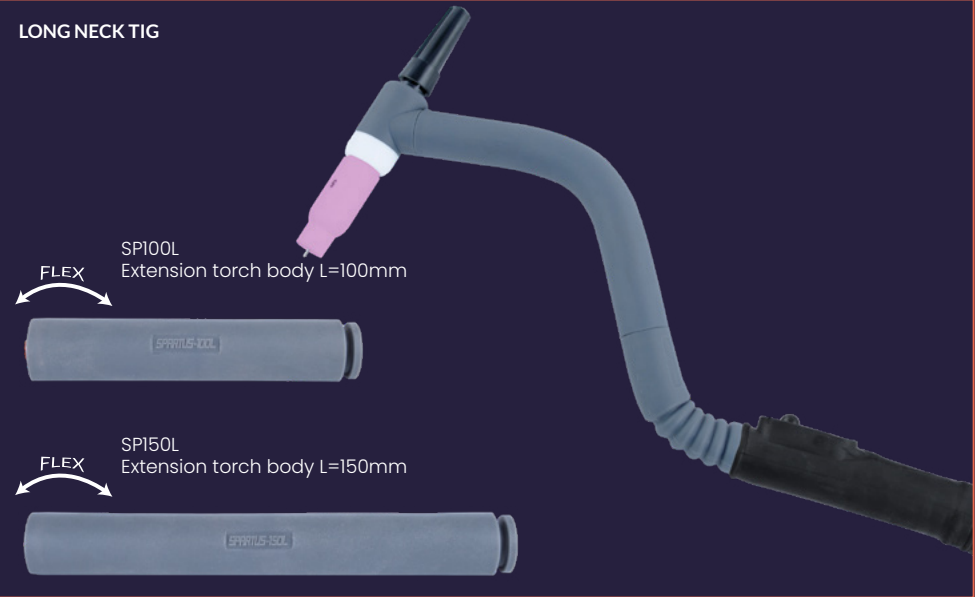
SP9-70, SP9-90, SP9-P

SPI726, SPI726P

Extension torch bodies: SPI100L and SPI150L



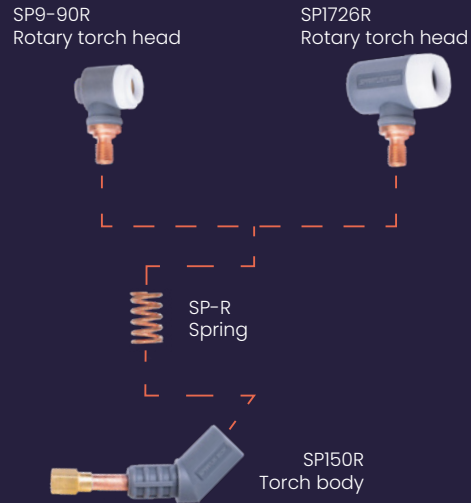
LONG NECK TIG



Long Neck TIG is a specially designed torch extension system. Increasing the range and flexibility of extensions allows for efficient welding of places where classic solutions fail.



Duty cycle: 80%
 Rating: SP9-90R 125A DC, 100A AC SPI726R 150A DC, 125A AC
 Electrode diameter: 0.5 - 2.4mm 0.5 - 3.2mm



Rotating **SPARTUS**® torch heads are an excellent solution for work carried out in hard-to-reach places. The body of the burner, thanks to its construction, allows the head to be rotated 360°. This solution increases the comfort and efficiency of work. In addition, the rotating torch head system allows you to quickly replace the head, depending on your needs. In the SPI50R holders, heads of standard SP9/20 or SPI7/18/26 can be used interchangeably.



Duty cycle: 80%
 Rating: 200A DC 150A AC
 Electrode diameter: 0.5 - 4.0mm

SP26
 Standard L=88mm



SP26F
 Flex L=88mm



SP26S
 Short L=71mm



SP26SF
 Short, flex L=71mm



SPI50R PROFLEX



HANDLES
 mSRP / SW
MICROSWITCHES
 1B / 2B / 4B / H10K
 / 1 / 1F
LENGTH
 4 - 25m
PACKAGES
 T / U / X



p. 27
 p. 35
 Consumables

p. 25
 Service parts

p. 21
 Connections

SP26 PROFLEX



HANDLES
 SRP / SW
MICROSWITCHES
 1B / 2B / 4B / H10K
 / 1 / 1F
LENGTH
 4 - 25m
PACKAGES
 T / U / X



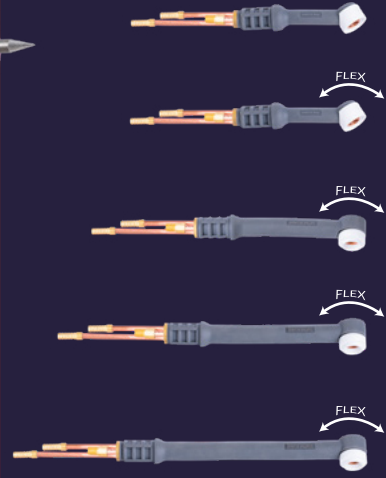
p. 35
 Consumables

p. 25
 Service parts

p. 21
 Connections



Duty cycle: 100%
 Rating: 180A DC 100A AC
 Electrode diameter: 0.5 - 2.4mm

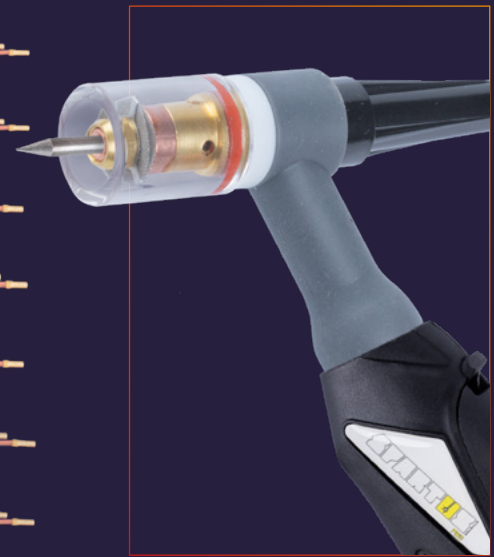
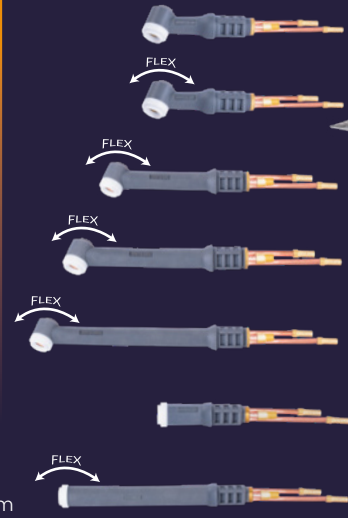


- SP24W
Standard L=66mm
- SP24WF
Flex L=66mm
- SP24WFL
Flex L=95mm
- SP24WFXL
Flex L=115mm
- SP24WFXXL
Flex L=147mm



Duty cycle: 100%
 Rating: 250A DC 200A AC
 Electrode diameter: 0.5 - 3.2mm

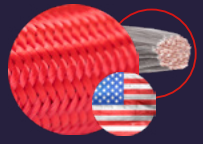
- SP20
Standard L=51mm
- SP20F
Flex L=51mm
- SP20FL
Flex L=93mm
- SP20FXL
Flex L=122mm
- SP20FXXL
Flex L=143mm
- SP20P
Straight L=41mm
- SP25
Straight, flex L=127mm



SP24W PROFLEX



- HANDLES**
mSRP / SW
- MICROSWITCHES**
1B / 2B / 4B / H10K
/ 1 / 1F
- LENGTH**
4 - 25m
- PACKAGES**
T / U / X



p. 43 Consumables

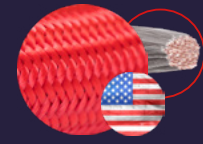
p. 25 Service parts

p. 23 Connections

SP20 PROFLEX



- HANDLES**
mSRP / SW
- MICROSWITCHES**
1B / 2B / 4B / H10K
/ 1 / 1F
- LENGTH**
4 - 25m
- PACKAGES**
T / U / X



p. 27 Consumables

p. 25 Service parts

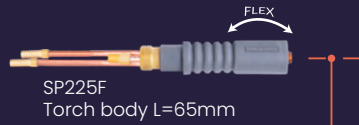
p. 23 Connections



Duty cycle: 100%

Rating: SP24, SP9 125A DC, 100A AC SPI726 150A DC, 125A AC

Electrode diameter: 0.5 - 2.4mm 0.5 - 3.2mm



Replaceable **SPARTUS®** torch heads are an innovative solution that allows for instant replacement of the head, depending on the needs - size of the head, angle of inclination. In the SP225F holders, heads of the standard SP24/24W, SP9/20 or SPI7/18/26 can be used interchangeably.

SP225F PROFLEX



HANDLES
mSRP / SW

MICROSWITCHES
1B / 2B / 4B / H10K
/ 1 / 1F

LENGTH
4 - 25m

PACKAGES
T / U / X

SPARTUS® PROFLEX

A complete set of replaceable torch heads with Long Neck TIG extensions by **SPARTUS®** available in a dedicated box.

SPBOX1-HEAD

Set contains:

Heads: SP24-70, SP24-90

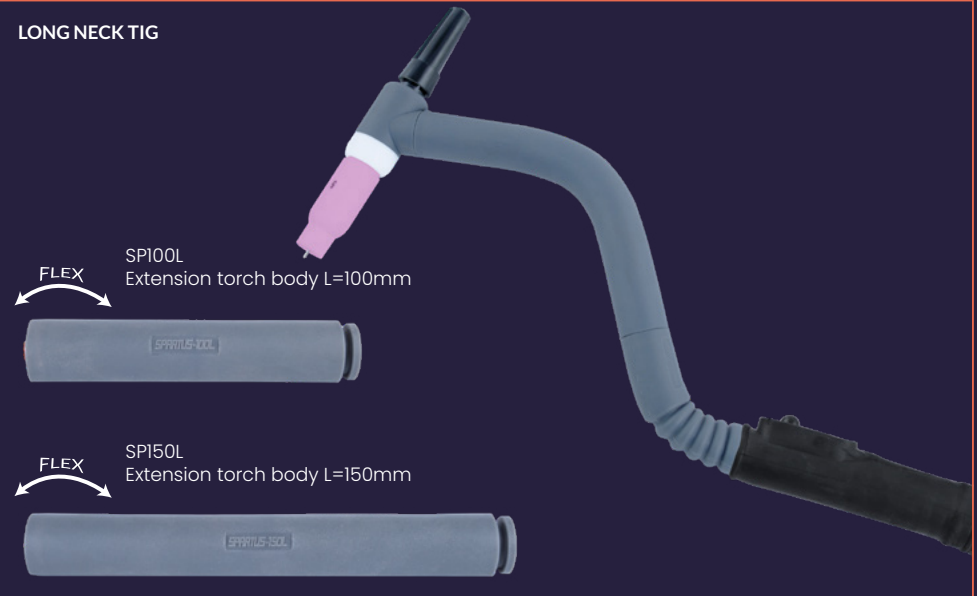
SP9-70, SP9-90, SP9-P

SPI726, SPI726P

Extension torch bodies: SPI100L and SPI150L



LONG NECK TIG

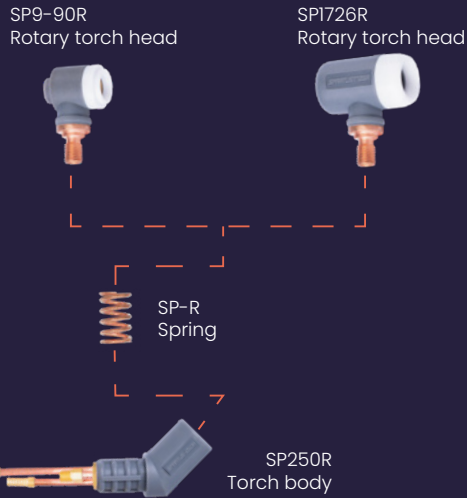


Long Neck TIG is a specially designed torch extension system. Increasing the range and flexibility of extensions allows for efficient welding of places where classic solutions fail.

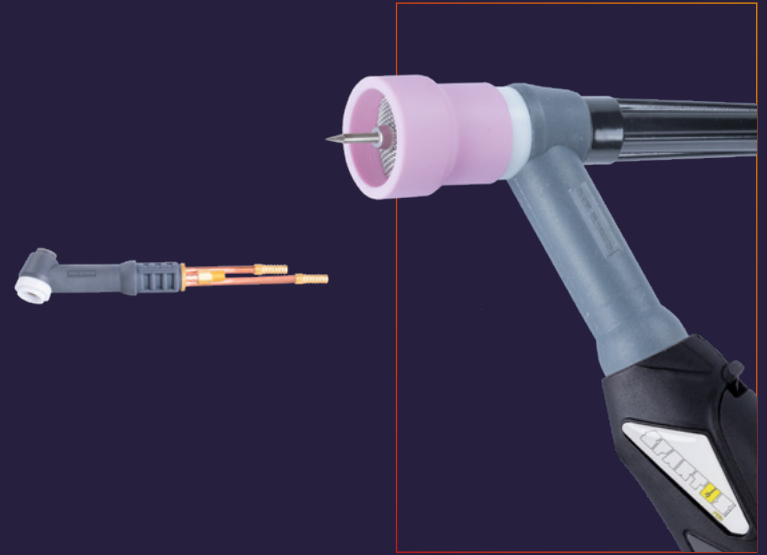




Duty cycle: 100%
 Rating: SP9-90R 125A DC, 100A AC SPI726R 150A DC, 125A AC
 Electrode diameter: 0.5 - 2.4mm 0.5 - 3.2mm



Duty cycle: 100%
 Rating: 300A DC 220A AC
 Electrode diameter: 0.5 - 3.2mm



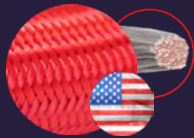
Rotating **SPARTUS**® torch heads are an excellent solution for work carried out in hard-to-reach places. The body of the burner, thanks to its construction, allows the head to be rotated 360°. This solution increases the comfort and efficiency of work. In addition, the rotating torch head system allows you to quickly replace the head, depending on your needs. In the SP250R holders, heads of standard SP9/20 or SPI7/18/26 can be used interchangeably.

SP20HD PROFLEX

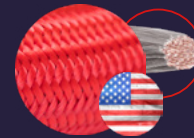
SP250R PROFLEX



HANDLES
 mSRP / SW
MICROSWITCHES
 1B / 2B / 4B / H10K
 / 1 / 1F
LENGTH
 4 - 25m
PACKAGES
 T / U / X

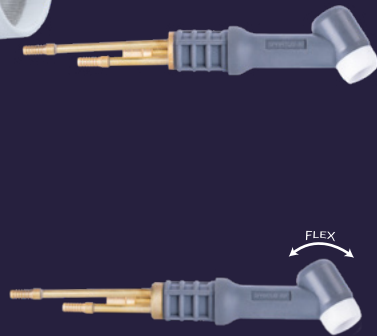


HANDLES
 mSRP / SW
MICROSWITCHES
 1B / 2B / 4B / H10K
 / 1 / 1F
LENGTH
 4 - 25m
PACKAGES
 T / U / X





Duty cycle: 100%
 Rating: 350A DC 250A AC
 Electrode diameter: 0.5 - 4.0mm



SP18
 Standard L=81mm

SP18F
 Flex L=81mm



Duty cycle: 100%
 Rating: 400A DC 280A AC
 Electrode diameter: 0.5 - 4.8mm



SP18SC
 Standard L=82mm



SPI8 PROFLEX



HANDLES

SRP / SW

MICROSWITCHES

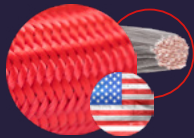
1B / 2B / 4B / H10K
 / 1 / 1F

LENGTH

4 - 25m

PACKAGES

T / U / X



SPI8SC PROFLEX



HANDLES

SRP / SW

MICROSWITCHES

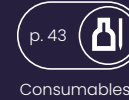
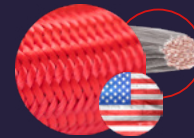
1B / 2B / 4B / H10K
 / 1 / 1F

LENGTH

4 - 25m

PACKAGES

T / U / X





CONNECTIONS FOR WELDING MACHINES
GAS-COOLED TIG TORCHES

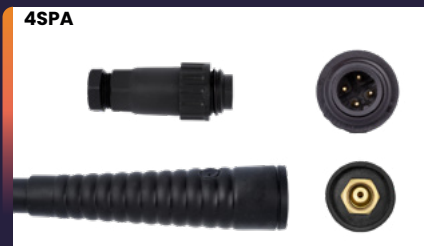
Cooling:



Suitable for:
SPARTUS®, KEMPPi®, FALTIG®, FRONIUS®,
ESAB®, ASPA®, MAGNUM®, LINCOLN®,
EWM®, CEA®, MIGATRONIC®



CONNECTIONS





CONNECTIONS FOR WELDING MACHINES
LIQUID-COOLED TIG TORCHES

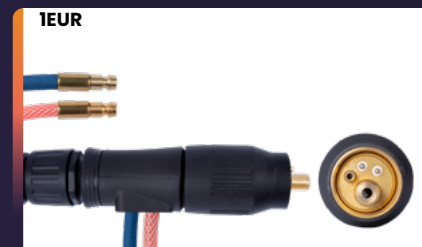
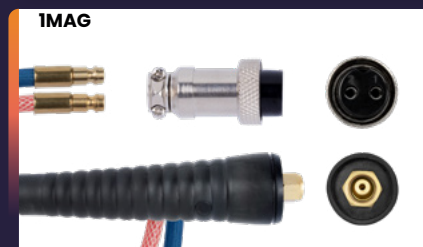
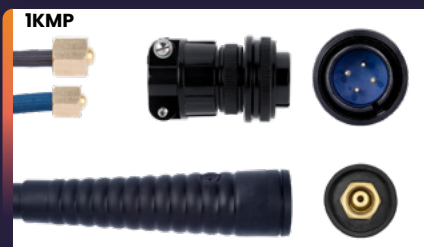
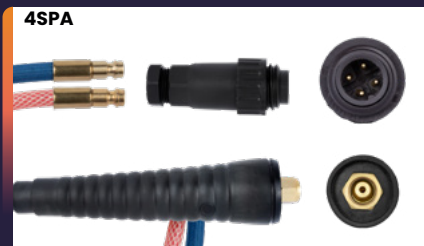
Cooling:



Suitable for:
SPARTUS®, KEMPPi®, FALTIG®, FRONIUS®,
ESAB®, ASPA®, MAGNUM®, LINCOLN®,
EWM®, CEA®, MIGATRONIC®



CONNECTIONS





SERVICE PARTS FOR TIG TORCHES

HANDLES

		SP9/17	SP155F	SP150R	SP26	SP24W	SP20	SP225F	SP230R	SP20HD	SP18/18SC
SP100SRP	mini handle mSRP SPARTUS® Pro without microswitch	●		●	●	●	●	●	●	●	
SP250SRP	handle SRP SPARTUS® Pro without microswitch										●
H-100	round handle without microswitch	●		●							
BS-1	switch boot [for the H-100 handle]	●		●							
H-200	round handle without microswitch				●						●
BL-1	switch boot [for the H-200 handle]				●						●
H-100G	round handle without microswitch		●			●	●	●	●	●	
BM-1	switch boot [for the H-100G handle]		●			●	●	●	●	●	
HI-100G	handle adaptor					●	●	●	●	●	

MICROSWITCHES – COMPLETE

		mSRP	SRP	H-100	H-200	H-100G
SPSRP1B	single microswitch 1B set	●	●			
SPSRP2B	double microswitch 2B set	●	●			
SPSRP4B	quad microswitch 4B set [up&down]	●	●			
SPSRP10K	microswitch with potentiometer	●	●			
SW-1F	flat switch			●	●	●
SW-1	bulb switch			●	●	●

MICROSWITCHES – COMPONENTS

		SPSRP1B	SPSRP2B	SPSRP4B	SPSRP10K
RGHP-1T	rubber switch	●			
RGHP-2T	rubber switch		●		
RGHP-4T	rubber switch			●	
RGHP-HT	rubber switch				●
RGHP-1N	switch boot		●		
RGHP-2N	switch boot			●	
RGHP-4N	switch boot				●
RGHP-HD	switch boot				●
RGHP-HN	switch wheel				●
RGHP-1B	microswitch – board	●			
RGHP-2B	microswitch – board		●		
RGHP-4B	microswitch – board			●	
RGHP-H10K	microswitch – board				●
RGHP-W	switch connector	●	●	●	●

CONNECT CABLE SET

		SPSRP1B	SPSRP2B	SPSRP4B	SPSRP10K
LY3X05	connect cable set 3x0,5 [m]	●	●	●	●
LY5X05	connect cable set 5x0,5 [m]	●	●	●	●

Do you know that...?

In addition to the above lengths of current cables, we are able to produce cables up to 25m.

SERVICE PARTS

PROFLEX POWER CABLES

		SP9/17	SP155F	SP150R	SP26	SP24W	SP20	SP225F	SP250R	SP20HD	SP18/18SC
17-4P-M10	ProFLEX power cable 4m, connection M10	●	●	●							
17-4P-M12	ProFLEX power cable 4m, connection M12	●	●	●							
17-4P-M16	ProFLEX power cable 4m, connection M16	●	●	●							
17-4P-14	ProFLEX power cable 4m, connection 1/4"	●	●	●							
17-4P-38	ProFLEX power cable 4m, connection 3/8"	●	●	●							
26-4P-M10	ProFLEX power cable 4m, connection M10				●						
26-4P-M12	ProFLEX power cable 4m, connection M12				●						
26-4P-M16	ProFLEX power cable 4m, connection M16				●						
26-4P-14	ProFLEX power cable 4m, connection 1/4"				●						
26-4P-38	ProFLEX power cable 4m, connection 3/8"				●						
20-4P-M10	ProFLEX power cable 4m, connection M10					●	●	●	●		
20-4P-M12	ProFLEX power cable 4m, connection M12					●	●	●	●		
20-4P-M16	ProFLEX power cable 4m, connection M16					●	●	●	●		
20-4P-14	ProFLEX power cable 4m, connection 1/4"					●	●	●	●		
20-4P-38	ProFLEX power cable 4m, connection 3/8"					●	●	●	●		
20HD-4P-M10	ProFLEX power cable 4m, connection M10									●	
20HD-4P-M12	ProFLEX power cable 4m, connection M12									●	
20HD-4P-M16	ProFLEX power cable 4m, connection M16									●	
20HD-4P-14	ProFLEX power cable 4m, connection 1/4"									●	
20HD-4P-38	ProFLEX power cable 4m, connection 3/8"									●	
18-4P-M10	ProFLEX power cable 4m, connection M10										●
18-4P-M12	ProFLEX power cable 4m, connection M12										●
18-4P-M16	ProFLEX power cable 4m, connection M16										●
18-4P-14	ProFLEX power cable 4m, connection 1/4"										●
18-4P-38	ProFLEX power cable 4m, connection 3/8"										●

CABLES COVERS

		SP9/17	SP155F	SP150R	SP26	SP24W	SP20	SP225F	SP250R	SP20HD	SP18/18SC
PR-S-020	textile-polyester cover [gray] 20x0.8mm (m)	●	●	●							
PR-S-025	textile-polyester cover [gray] 25x0.8mm (m)				●	●	●	●	●	●	●
PS-S-020	textile-polyester cover [black] 20x0.8mm (m)	●	●	●							
PS-S-025	textile-polyester cover [black] 25x0.8mm (m)				●	●	●	●	●	●	●
WS-1-10	textile-rubber cover 22x1.0mm (m)	●	●	●							
WS-2-10	textile-rubber cover 28x1.0mm (m)				●	●	●	●	●	●	●
LS22100	leather cover with zipper 1m	●	●	●							
LS25100	leather cover with zipper 1m				●	●	●	●	●	●	●

OTHERS

		SP9/17	SP155F	SP150R	SP26	SP24W	SP20	SP225F	SP250R	SP20HD	SP18/18SC
PCD35-30-REC6	power connector SK35 set [black hose and Rec6 quick coupler]	●	●	●	●						
PCA25-30-REC6	power connector SK25 set [black hose and Rec6 quick coupler]	●	●	●	●						
PCE35-30-REC6	power connector SK35 set [red hose and Rec6 quick coupler]					●	●	●	●	●	●
PCB25-30-REC6	power connector SK25 set [red hose and Rec6 quick coupler]					●	●	●	●	●	●

STANDARD

STANDARD

set length with insulator L=35,0-94,0mm

TIGBOX:
 SPBOX1-9-16STD 1.6mm
 SPBOX1-9-24STD 2.4mm
 SPBOX1-9-32STD 3.2mm

Insulator	NW598882					
Electrode diameter [mm]	1,0	1,6	2,0	2,4	3,2	
Collet	NW13N21	NW13N22	NW13C2M	NW13N23	NW13N24	
Collet body	NW13N26	NW13N27	NW13CB2M	NW13N28	NW13N29	
Nozzle size #	#3	#4	#5	#6	#7	#8
Nozzle diameter [mm]	(4,8mm)	(6,3mm)	(8,0mm)	(9,5mm)	(11,0mm)	(12,8mm)
Gas nozzle standard L=30mm	-	NW13N08	NW13N09	NW13N10	NW13N11	NW13N12
Gas nozzle long L=48mm	NW796F70	NW796F71	NW796F72	NW796F73	-	-
Gas nozzle long L=63mm	NW796F74	NW796F75	NW796F76	NW796F77	-	-
Gas nozzle long L=89mm	-	NW796F79	-	-	-	-

STANDARD QUARTZSYSTEM

STANDARD QUARTZSYSTEM

set length with insulator L=28,7mm

Set:
 NW9-25D10-16-KPL 1.6mm
 NW9-25D10-24-KPL 2.4mm

Insulator	NW9-25N10	
Electrode diameter [mm]	1,6	2,4
Collet	NW9-25T16	NW9-25T24
Collet body	NW13N27	NW13N28
Adaptor	NW9-25A10	
O-ring to the adaptor	NW9-17-25R10	
Gas nozzle d=10mm L=25mm	NW9-17-25D10	

LENS

LENS

set length with insulator L=30,5-68,0mm

TIGBOX:
 SPBOX1-9-16STD 1.6mm
 SPBOX1-9-24STD 2.4mm
 SPBOX1-9-32STD 3.2mm

Insulator	NW598882				
Electrode diameter [mm]	1,0	1,6	2,0	2,4	3,2
Collet	NW13N21	NW13N22	NW13C2M	NW13N23	NW13N24
Gas lens collet	NW45V42	NW45V43	NW45V43M	NW45V44	NW45V45
Nozzle size #	#4	#5	#6	#7	#8
Nozzle diameter [mm]	(6,3mm)	(8,0mm)	(9,5mm)	(11,0mm)	(12,8mm)
Gas nozzle to the lens L=25,5mm	NW53N58	NW53N59	NW53N60	NW53N61	NW53N61S
Long gas nozzle to the lens L=35mm	NW53N58L	NW53N59L	NW53N60L	-	-
Long gas nozzle to the lens L=48mm	NW53N58XL	NW53N59XL	NW53N60XL	-	-
Long gas nozzle to the lens L=63mm	NW53N58XXL	NW53N59XXL	NW53N60XXL	-	-

LENS QUARTZSYSTEM

LENS QUARTZSYSTEM

set length with insulator L=32,6-37,7mm

Set:
 NW9-33D10-16-KPL 1.6mm
 NW9-33D10-24-KPL 2.4mm
 NW9-28D11-16-KPL 1.6mm
 NW9-28D11-24-KPL 2.4mm

Insulator	NW9-25N10	
Electrode diameter [mm]	1,6	2,4
Collet	NW9-25T16	NW9-25T24
Gas lens	NW9-33S16	NW9-33S24
O-ring to the lens	NW9-33R10	
Gas nozzle QUARTZ d=10mm L=33mm	NW9-17-33D10	
Gas nozzle QUARTZ d=21mm L=28mm	NW9-17-28D21	
Adaptor (use with the nozzle NW9-17-28D21)	NW9-17-28A16	NW9-17-28A24
O-ring to the adaptor	NW9-17-28R21	

LENS CUPSYSTEM

LENS CUPSYSTEM

set length with insulator L=30,5-37,6mm
set length with insulator L=30,9-42,3mm

Set:
 NW9-53CS10-16-KPL #10 1.6mm
 NW9-53CS10-24-KPL #10 2.4mm
 NW9-53CS12-16-KPL #12 1.6mm
 NW9-53CS12-24-KPL #12 2.4mm
 NW9-53CS14-16-KPL #14 1.6mm
 NW9-53CS14-24-KPL #14 2.4mm
 NW9-53CS16-16-KPL #16 1.6mm
 NW9-53CS16-24-KPL #16 2.4mm
 NW9-53CS18-16-KPL #18 1.6mm
 NW9-53CS18-24-KPL #18 2.4mm

NW9-26D19-16-KPL #12 1.6mm
 NW9-26D19-24-KPL #12 2.4mm
 NW9-26D23-16-KPL #14 1.6mm
 NW9-26D23-24-KPL #14 2.4mm
 NW9-29D26-16-KPL #16 1.6mm
 NW9-29D26-24-KPL #16 2.4mm
 NW9-38D39-16-KPL #24 1.6mm
 NW9-38D39-24-KPL #24 2.4mm

Insulator	NW598882				
Electrode diameter [mm]	1,6		2,4		
Collet	NW13N22		NW13N23		
Gas lens	NW45V43		NW45V44		
Nozzle size #	#10	#12	#14	#16	#18
Nozzle diameter [mm]	(4,8mm)	(6,3mm)	(8,0mm)	(9,5mm)	(11,0mm)
Gas nozzle CUP + 2x strainer	NW54CD10	NW54CD12	NW54CD14	NW54CD16	NW54CD18
Strainer	NW53CS10	NW53CS12	NW53CS14	NW53CS16	NW53CS18

Insulator	NW598882			
Electrode diameter [mm]	1,6		2,4	
Collet	NW9-25T16		NW9-25T24	
Gas lens	NW45V43		NW45V44	
Nozzle size #	#12	#14	#16	#24
Nozzle diameter [mm]	(6,3mm)	(8,0mm)	(9,5mm)	(9,5mm)
Gas nozzle CUP	NW26D19	NW26D23	NW29D26	NW38D39
Strainer	NW26DS19-16 NW26DS19-24	NW26DS23-16 NW26DS23-24	NW29DS26-16 NW29DS26-24	NW38DS39-16 NW38SD39-24

LENS SHORT VERSION

LENS SHORT VERSION

set length with insulator L=15,7-24,2mm

Set:
 NW9-53N71SM-16-KPL #7 1.6mm
 NW9-53N71SM-24-KPL #7 2.4mm
 NW9-53N61SM-16-KPL #7 1.6mm
 NW9-53N61SM-24-KPL #7 2.4mm
 NW9-53N62SM-16-KPL #8 1.6mm
 NW9-53N62SM-24-KPL #8 2.4mm

Insulator	NW598882SM	
Electrode diameter [mm]	1,6	2,4
Collet	NW13N22SM	NW13N23SM
Small gas lens	NW45V43SM	NW45V44SM
Nozzle size #	#7	#8
Gas nozzle L=11mm	NW53N71SM	-
Gas nozzle L=19.5mm	NW53N61SM	NW53N62SM

SMALL LENS QUARTZSYSTEM

SMALL LENS QUARTZSYSTEM

set length with insulator L=29,6-37,5mm

Set:
 NW9-25D20-16-KPL 1.6mm
 NW9-25D20-24-KPL 2.4mm
 NW9-32D20-16-KPL 1.6mm
 NW9-32D20-24-KPL 2.4mm

NW9-25D21-16-KPL 1.6mm
 NW9-25D21-24-KPL 2.4mm
 NW9-32D21-16-KPL 1.6mm
 NW9-32D21-24-KPL 2.4mm

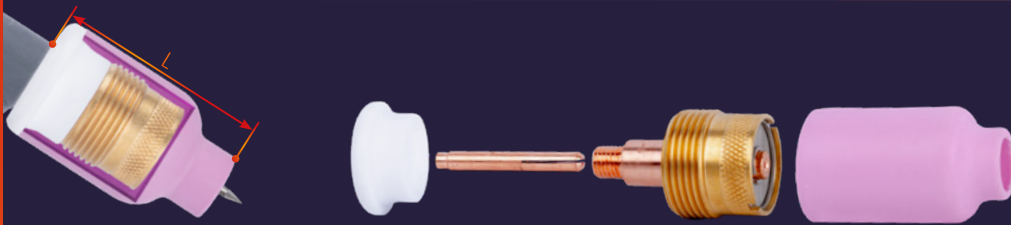
The optional solution of a gas lens with replaceable strainer

Insulator	NW9-25N10	
Electrode diameter [mm]	1,6	2,4
Collet	NW9-25T16	NW9-25T24
Adaptor	NW9-25A20	
O-ring	NW9-33R10	
Small gas lens	NW9-17-25S16	NW9-17-25S24
Gas nozzle QUARTZ d=14mm L=25mm	NW9-25D20	
Gas nozzle QUARTZ d=14mm L=32.5mm	NW9-17-32D20	
Small gas lens - set	NW9-17-26S16	NW9-17-26S24
Small gas lens - collet	NW9-17-26A16	NW9-17-26A24
Strainer	NW9-17-26P20	
Nut	NW9-17-26J20	

BIG LENS

BIG LENS

set length with insulator L=60,0mm

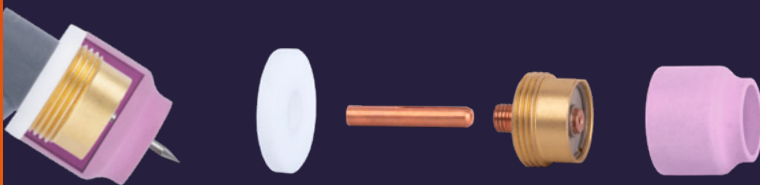


Insulator	NW54N63-20			
Electrode diameter [mm]	1,0	1,6	2,4	3,2
Collet	NW13N21L	NW13N22L	NW13N23L	NW13N24L
Big gas lens	NW45V0204S	NW45V116S	NW45V64S	NW99S795S
Nozzle size #	#6	#8	#10	#12
Nozzle diameter [mm]	(9,5mm)	(12,8mm)	(16,0mm)	(19mm)
Gas nozzle L=48mm	NW57N75	NW57N74	NW53N88	NW53N87

BIG LENS SHORT VERSION

BIG LENS SHORT VERSION

set length with insulator L=28,4mm



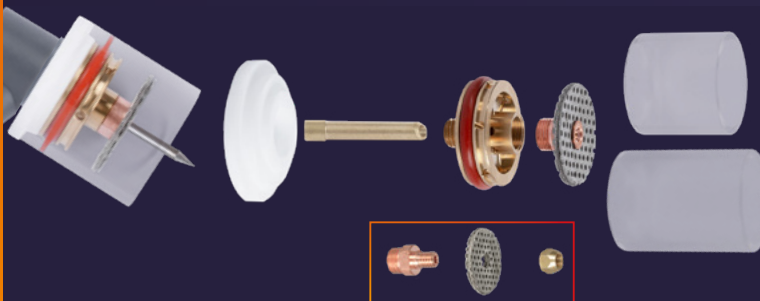
Set:
NW9-53N87LSM-16-KPL 1.6mm
NW9-53N87LSM-24-KPL 2.4mm

Insulator	NW54N63-20LSM	
Electrode diameter [mm]	1,6	2,4
Collet	NW13N22LSM	NW13N23LSM
Big gas lens	NW45V116LSM	NW45V64LSM
Gas nozzle #12 d=19mm L=27mm	NW53N87LSM	

BIG LENS QUARTZSYSTEM

BIG LENS QUARTZSYSTEM

set length with insulator L=36,5-51,0mm



Set:
NW9-33D30-16-KPL 1.6mm
NW9-33D30-24-KPL 2.4mm
NW9-47D30-16-KPL 1.6mm
NW9-47D30-24-KPL 2.4mm

NW9-33D29-16-KPL 1.6mm
NW9-33D29-24-KPL 2.4mm
NW9-47D29-16-KPL 1.6mm
NW9-47D29-24-KPL 2.4mm

● The optional solution of a gas lens with replaceable strainer

Insulator	NW9-33N29	
Electrode diameter [mm]	1,6	2,4
Collet	NW9-25T16	NW9-25T24
Adaptor	NW9-33A29	
O-ring	NW9-17-33R29	
Big gas lens	NW9-17-33S16	NW9-17-33S24
Gas nozzle QUARTZ d=29mm L=33mm	NW9-17-33D29	
Gas nozzle QUARTZ d=29mm L=47mm	NW9-17-47D29	
Big gas lens - set	NW9-17-34S16	NW9-17-34S24
Big gas lens - collet	NW9-17-34A16	NW9-17-34A24
Strainer	NW9-17-34P29	
Nut	NW9-17-34J29	

9/20

9/20

CONSUMABLES

LENS
QUARTZSYSTEM GUARD

Set:
NW9-32D32-16-KPL #16 1.6mm
NW9-32D32-24-KPL #16 2.4mm
NW9-38D44-16-KPL #24 1.6mm
NW9-38D44-24-KPL #24 2.4mm

LENS
QUARTZSYSTEM GUARD

set length with insulator L=37,5-44,0mm

Insulator	NW598882	
Electrode diameter [mm]	1,6	2,4
Collet	NW9-25T16	NW9-25T24
Gas lens	NW45V43	NW45V44
Gas nozzle #16 d=32mm L=28mm	NW9-17-32D32	
Gas nozzle #24 d=38mm L=40mm	NW9-17-38D44	
Brass adaptor	NW9-17-32A32(#16)	NW9-17-38A44(#24)
O-ring	NW9-17-32R32	
Strainer	NW9-17-32S16(#16) NW9-17-38S16(#24)	NW9-17-32S24(#16) NW9-17-38S24(#24)
Protective ring	NW9-17-32P32(#16)	NW9-17-38P44(#24)

BACK CAP

BACK CAP

Long back cap + O-ring 98W77 L= 146mm	NW41V24L
Medium back cap + O-ring 98W77 L= 47mm	NW41V35
Short back cap + O-ring 98W77 L= 19mm	NW41V33
Micro back cap L= 7,6mm	NW41V21

See more :

NWweld.info

Welding **machines**
Welding **tables**
Rotators and **positioners**
Piston **compressors**



See how
Interactive TIG part diagrams work



STANDARD

TIGBOX:
 SPBOX1-1726-16STD 1.6mm
 SPBOX1-1726-24STD 2.4mm
 SPBOX1-1726-32STD 3.2mm

STANDARD

set length with insulator L=54,0-84,0mm

Insulator	NW18CG					
	1,0	1,6	2,0	2,4	3,2	4,0
Electrode diameter [mm]						
Collet	NW10N22	NW10N23	NW10N2M	NW10N24	NW10N25	NW54N20
Collet body	NW10N30	NW10N31	NW10CB2M	NW10N32	NW10N28	NW406488
Nozzle size #	#4	#5	#6	#7	#8	#10
Nozzle diameter [mm]	(6,3mm)	(8,0mm)	(9,5mm)	(11mm)	(12,8mm)	(16,0mm)
Gas nozzle standard L=47mm	NW10N50	NW10N49	NW10N48	NW10N47	NW10N46	NW10N45
Long gas nozzle L=76mm	NW10N50L	NW10N49L	NW10N48L	NW10N47L	-	-

STANDARD QUARTZSYSTEM

Set:
 NW17-10D47-16-KPL 1.6mm
 NW17-10D47-24-KPL 2.4mm

STANDARD QUARTZSYSTEM

set length with insulator L=55,8mm

Insulator	NW17-10N47	
	1,6	2,4
Electrode diameter [mm]		
Collet	NW17-47T16	NW17-47T24
Collet body	NW10N31	NW10N32
Adaptor	NW17-10A47	
O-ring to the adaptor	NW9-17-25R10	
Gas nozzle QUARTZ d=10mm L=47mm	NW17-10D47	

SHORT VERSION

TIGBOX:
 SPBOX1-1726-16SW 1.6mm
 SPBOX1-1726-24SW 2.4mm
 SPBOX1-1726-32SW 3.2mm

SHORT VERSION

set length with insulator L=38,0mm

Insulator	NW18CG20			
	1,0	1,6	2,4	3,2
Electrode diameter [mm]				
Short collet	NW10N22S	NW10N23S	NW10N24S	NW10N25S
Short collet body	NW17CB20	NW17CB20	NW17CB20	NW17CB20
Nozzle size #	#4	#5	#6	#7
Nozzle diameter [mm]	(6,3mm)	(8,0mm)	(9,5mm)	(11mm)
Gas nozzle L= 30mm	NW13N08	NW13N09	NW13N10	NW13N11
				NW13N12
				NW13N13

SHORT VERSION QUARTZSYSTEM

Set:
 NW17-25D10-16-KPL 1.6mm
 NW17-25D10-24-KPL 2.4mm

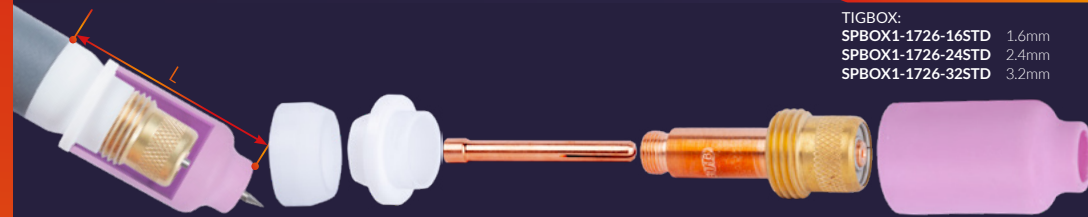
SHORT VERSION QUARTZSYSTEM

set length with insulator L=21,0mm

Insulator	NW17-25N10	
	1,6	2,4
Electrode diameter [mm]		
Collet	NW17-25T16	NW17-25T24
Collet body	NW17-25A16	NW17-25A24
Adaptor	NW17-25A10	
O-ring to the adaptor	NW9-17-25R10	
Gas nozzle QUARTZ d=10mm L=25mm	NW9-17-25D10	

LENS

TIGBOX:
 SPBOX1-1726-16STD 1.6mm
 SPBOX1-1726-24STD 2.4mm
 SPBOX1-1726-32STD 3.2mm



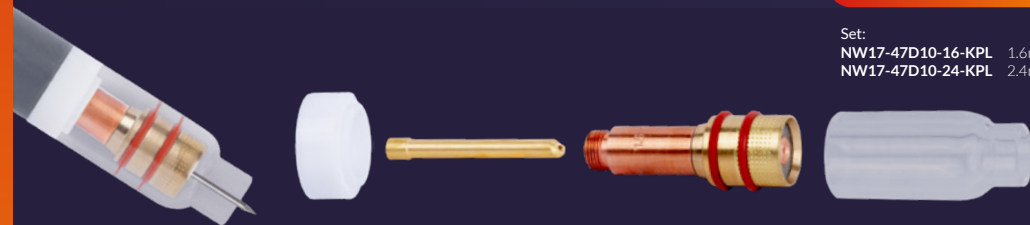
LENS

set length with insulator L=56,0-90,0mm

Insulator	NW54N01 (use with the insulator NW18CG)					
	1,0	1,6	2,0	2,4	3,2	4,0
Electrode diameter [mm]						
Collet	NW10N22	NW10N23	NW10N2M	NW10N24	NW10N25	NW54N20
Gas lens	NW45V24	NW45V25	NW45V2M	NW45V26	NW45V27	NW45V28
Nozzle size #	#4	#5	#6	#7	#8	#12
Nozzle diameter [mm]	(6,3mm)	(8,0mm)	(9,5mm)	(11,0mm)	(12,8mm)	(19mm)
Gas nozzle to the lens L=42mm	NW54N18	NW54N17	NW54N16	NW54N15	NW54N14	NW54N19
Long gas nozzle to the lens L=76mm	NW54N18L	NW54N17L	NW54N16L	NW54N15L	NW54N14L	-

LENS QUARTZSYSTEM

Set:
 NW17-47D10-16-KPL 1.6mm
 NW17-47D10-24-KPL 2.4mm



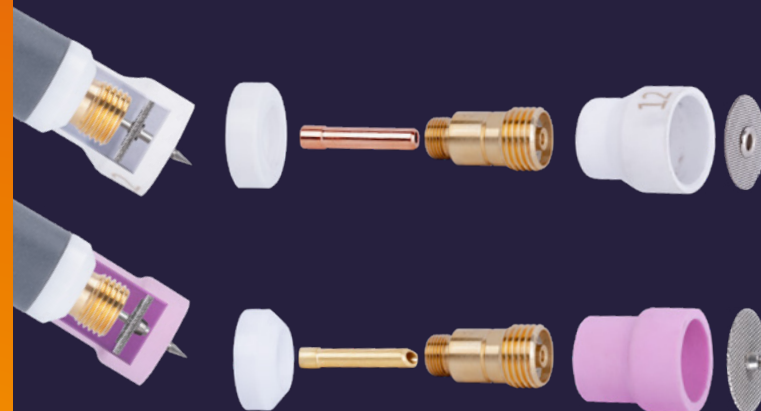
LENS QUARTZSYSTEM

set length with insulator L=54,5mm

Insulator	NW17-47N10	
	1,6	2,4
Electrode diameter [mm]		
Collet	NW17-47T16	NW17-47T24
Gas lens	NW17-47S16	NW17-47S24
O-ring to the lens		NW17-47R10
Gas nozzle QUARTZ d=10mm L=47mm		NW17-47D10

LENS CUPSYSTEM

Set:
 NW17-54CS10-16-KPL #10 1.6mm
 NW17-54CS10-24-KPL #10 2.4mm
 NW17-54CS12-16-KPL #12 1.6mm
 NW17-54CS12-24-KPL #12 2.4mm
 NW17-54CS14-16-KPL #14 1.6mm
 NW17-54CS14-24-KPL #14 2.4mm
 NW17-54CS16-16-KPL #16 1.6mm
 NW17-54CS16-24-KPL #16 2.4mm
 NW17-54CS18-16-KPL #18 1.6mm
 NW17-54CS18-24-KPL #18 2.4mm



LENS CUPSYSTEM

set length with insulator L=32,6-39,6mm
 set length with insulator L=32,4-45,0mm

Insulator	NW18CGG				
	1,6		2,4		
Electrode diameter [mm]					
Collet	NW13N22GL		NW13N23GL		
Gas lens	NW45V43L		NW45V44L		
Nozzle size #	#10	#12	#14	#16	#18
Nozzle diameter [mm]	(4,8mm)	(6,3mm)	(8,0mm)	(9,5mm)	(11,0mm)
Gas nozzle CUP + 2x strainer	NW54CD10	NW54CD12	NW54CD14	NW54CD16	NW54CD18
Strainer	NW53CS10	NW53CS12	NW53CS14	NW53CS16	NW53CS18

Insulator	NW18CG20			
	1,6		2,4	
Electrode diameter [mm]				
Collet	NW17-25T16		NW17-25T24	
Gas lens	NW17-35S16		NW17-35S24	
Nozzle size #	#12	#14	#16	#24
Nozzle diameter [mm]	(6,3mm)	(8,0mm)	(9,5mm)	(9,5mm)
Gas nozzle CUP	NW26D19	NW26D23	NW29D26	NW38D39
Strainer	NW26DS19-16 NW26DS19-24	NW26DS23-16 NW26DS23-24	NW29DS26-16 NW29DS26-24	NW38DS39-16 NW38DS39-24

LENS SHORT VERSION

TIGBOX:
 SPBOX1-1726-16SW 1.6mm
 SPBOX1-1726-24SW 2.4mm
 SPBOX1-1726-32SW 3.2mm

LENS SHORT VERSION

set length with insulator L=38,0mm

Insulator	NW18CG20		
Electrode diameter [mm]	1,6	2,4	3,2
Collet	NW13N22GL	NW13N23GL	NW13N24GL
Gas lens	NW45V43L		
Gas nozzle short version L=25,5mm	NW53N58	NW53N59	NW53N60
Nozzle size #	#4 (6,3mm)	#5 (8,0mm)	#6 (9,5mm)
Nozzle diameter [mm]	#7 (11,0mm)	#8 (12,8mm)	
			NW53N61
			NW53N65

LENS SHORT VERSION QUARTZSYSTEM

Set:
 NW17-33D10-16-KPL 1.6mm
 NW17-33D10-24-KPL 2.4mm
 NW17-28D21-16-KPL 1.6mm
 NW17-28D21-24-KPL 2.4mm

LENS SHORT VERSION QUARTZSYSTEM

set length with insulator L=34,0-39,0mm

Insulator	NW17-25N10		
Electrode diameter [mm]	1,6	2,4	
Collet	NW17-25T16	NW17-25T24	
Gas lens	NW17-33S16		
O-ring to the lens	NW17-33R10		
Gas nozzle QUARTZ d=10mm L=33mm	NW9-17-33D10		
Gas nozzle QUARTZ d=21mm L=28mm	NW9-17-28D21		
Adaptor	NW9-17-28A16	NW9-17-28A24	
O-ring to the adaptor	NW9-17-28R21		

Set:
 NW17-53D27-16-KPL 1.6mm
 NW17-53D27-24-KPL 2.4mm

Insulator	NW18CGG		
Electrode diameter [mm]	1,6	2,4	
Collet	NW13N22GXL	NW13N23GXL	
Gas lens	NW45V43XL		
Gas nozzle QUARTZ d=15/27 mm L=32mm	NW53D27		
Adaptor	NW53A24		
O-ring to the adaptor	NW17-23R10		
Strainer	NW53S24		
O-ring to the strainer	NW17-27R10		

set length with insulator L=38,7mm

SMALL LENS QUARTZSYSTEM

Set:
 NW17-32D20-16-KPL 1.6mm
 NW17-32D20-24-KPL 2.4mm
 NW17-32D21-16-KPL 1.6mm
 NW17-32D21-24-KPL 2.4mm

SMALL LENS QUARTZSYSTEM

set length with insulator L=41,6-56,0mm

Insulator	NW17-10N47		
Electrode diameter [mm]	1,6	2,4	
Short collet	NW17-25T16	NW17-25T24	
Long collet	NW17-47T16		
Short adaptor	NW17-32A20		
Long adaptor	NW17-47A20		
O-ring to the adaptor	NW9-33R10		
Small gas lens	NW9-17-25S16	NW9-17-25S24	
Gas nozzle QUARTZ d=14mm L=32,5mm	NW9-17-32D20		
Gas nozzle QUARTZ d=14mm L=47mm	NW17-47D20		
Small gas lens - set	NW9-17-26S16	NW9-17-26S24	
Small gas lens - collet	NW9-17-26A16	NW9-17-26A24	
Strainer	NW9-17-26P20		
Nut	NW9-17-26J20		

● The optional solution of a gas lens with replaceable strainer

● The optional solution of a gas lens with replaceable strainer

BIG LENS

TIGBOX:
 SPBOX1-1726-16LD 1.6mm
 SPBOX1-1726-24LD 2.4mm
 SPBOX1-1726-32LD 3.2mm

BIG LENS

set length with insulator L=61,0mm

Insulator	NW54N63 (use with the insulator 18CG)				
Electrode diameter [mm]	1,0	1,6	2,4	3,2	4,0
Collet	NW10N22	NW10N23	NW10N24	NW10N25	NW54N20
Big gas lens	NW45V0204S	NW45V116	NW45V64	NW995795	NW45V63
Nozzle size #	#6	#8	#10	#12	
Nozzle diameter [mm]	(9,5mm)	(12,8mm)	(16,0mm)	(19mm)	
Gas nozzle to the big lens L=48mm	NW57N75	NW57N74	NW53N88	NW53N87	

BIG LENS QUARTZSYSTEM

Set:
 NW17-33D30-16-KPL 1.6mm
 NW17-33D30-24-KPL 2.4mm
 NW17-47D30-16-KPL 1.6mm
 NW17-47D30-24-KPL 2.4mm

NW17-33D29-16-KPL 1.6mm
 NW17-33D29-24-KPL 2.4mm
 NW17-47D29-16-KPL 1.6mm
 NW17-47D29-24-KPL 2.4mm

● The optional solution of a gas lens with replaceable strainer

BIG LENS QUARTZSYSTEM

set length with insulator L=36,5-51,0mm

Insulator	NW17-33N29	
Electrode diameter [mm]	1,6	2,4
Collet	NW17-25T16	NW17-25T24
Adaptor	NW17-33A29	
O-ring	NW9-17-33R29	
Big gas lens	NW9-17-33S16	NW9-17-33S24
Gas nozzle QUARTZ d=29mm L=33mm	NW9-17-33D29	
Gas nozzle QUARTZ d=29mm L=47mm	NW9-17-47D29	
Big gas lens - set	NW9-17-34S16	NW9-17-34S24
Big gas lens - collet	NW9-17-34A16	NW9-17-34A24
Strainer	NW9-17-34P29	
Nut	NW9-17-34J29	

LENS SHORT VERSION QUARTZSYSTEM GUARD

Set:
 NW17-32D32-16-KPL 1.6mm
 NW17-32D32-24-KPL 2.4mm
 NW17-38D44-16-KPL 1.6mm
 NW17-38D44-24-KPL 2.4mm

LENS SHORT VERSION QUARTZSYSTEM GUARD

set length with insulator L=39,0-45,3mm

Insulator	NW17-26N10	
Electrode diameter [mm]	1,6	2,4
Collet	NW17-25T16	NW17-25T24
Gas lens	NW17-35S16	
Gas nozzle #16 d=32mm L=28mm	NW9-17-32D32	
Gas nozzle #24 d=38mm L=40mm	NW9-17-38D44	
Brass adaptor	NW9-17-32A32 (#16)	NW9-17-38A44 (#24)
O-ring	NW9-17-32R32	
Strainer	NW9-17-32S16 (#16) NW9-17-38S16 (#24)	NW9-17-32S24 (#16) NW9-17-38S24 (#24)
Protective ring	NW9-17-32P32 (#16)	NW9-17-38P44 (#24)

BACK CAPS

BACK CAPS

Long back cap + O-ring 98W18 L= 119mm	NW57Y02
Medium back cap + O-ring 98W18 L= 60mm	NW300M
Short back cap + O-ring 98W18 L= 25mm	NW57Y04

24W

STANDARD



24W & 18SC

CONSUMABLES

STANDARD

set length with insulator L=17,0mm

Insulator	NW53N22			
Electrode diameter [mm]	1,0	1,6	2,4	
Collet	NW53N16	NW53N14	NW24C332	
Collet body	NW53N18	NW53N19	NW24CB332	
Nozzle size #	#3	#4	#5	#6
Nozzle diameter [mm]	(4,8mm)	(6,3mm)	(8,0mm)	(9,5mm)
Gas nozzle standard L=16,5mm	NW53N23	NW53N24	NW53N25	NW53N27

LENS/ LENS SHORT VERSION

LENS

set length with insulator L=31,0-69,2mm

Insulator	NW53N66				
Electrode diameter [mm]	1,0	1,6	2,4		
Collet	NW53N63	NW53N64	NW24GLC332		
Gas lens	NW45V42	NW45V43	NW45V44		
Nozzle size #	#4	#5	#6	#7	#8
Nozzle diameter [mm]	(6,3mm)	(8,0mm)	(9,5mm)	(11,0mm)	(12,8mm)
Gas nozzle to the lens L=25,5mm	NW53N58	NW53N59	NW53N60	NW53N61	NW53N61S
Long gas nozzle to the lens L=35mm	NW53N58L	NW53N59L	NW53N60L	-	-
Long gas nozzle to the lens L=48mm	NW53N58XL	NW53N59XL	NW53N60XL	-	-
Long gas nozzle to the lens L=63mm	NW53N58XXL	NW53N59XXL	NW53N60XXL	-	-

LENS SHORT VERSION

set length with insulator L=17,0-24,5mm

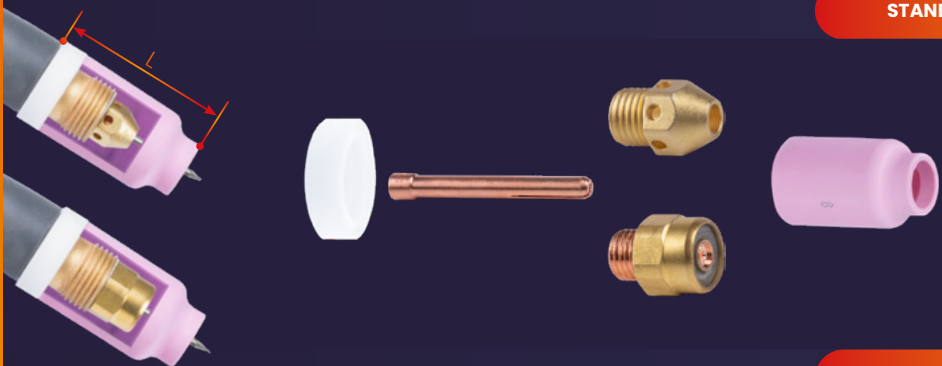
Insulator	NW8KN01	
Electrode diameter [mm]	1,6	2,4
Collet	NW13N22SM	NW13N23SM
Gas lens	NW45V53SM	NW45V64SM
Nozzle size #	#7	#8
Nozzle diameter [mm]	(11,0mm)	(12,8mm)
Gas nozzle L=11mm	NW53N71SM	-
Gas nozzle L=19,5mm	NW53N61SM	NW53N62SM

18SC

STANDARD / LENS

STANDARD / LENS

set length with insulator L=49,0-83,0mm



Insulator	NW18NG						
Electrode diameter [mm]	1,0	1,6	2,0	2,4	3,2	4,0	4,8
Collet	NW10N22	NW10N23	NW10N2M	NW10N24	-	-	-
Collet for high current	-	-	-	-	NW10N25HD	NW54N20HD	NW18C36
Collet body	NWNCB-53	NWNCB-53	NWNCB-53	NWNCB-53	-	-	-
Collet body for high current	-	-	-	-	NWNCB-36	NWNCB-36	NWNCB-36
Gas lens	NW18GL04	NW18GL16	-	NW18GL32	NW18GL18	NW18GL53	NW18GL36
Nozzle size #	#4	#5	#6	#7	#8	#12	
Nozzle diameter [mm]	(6,3mm)	(8,0mm)	(9,5mm)	(11,0mm)	(12,8mm)	(19,0mm)	
Gas nozzle L=42mm	NW54N18	NW54N17	NW54N16	NW54N15	NW54N14	NW54N19	
Gas nozzle long L=76mm	NW54N18L	NW54N17L	NW54N16L	NW54N15L	NW54N14L	-	

BACK CAPS

BACK CAPS

Long back cap + O-ring 98W18 L= 119mm	NW57Y02
Medium back cap + O-ring 98W18 L= 60mm	NW300M
Short back cap + O-ring 98W18 L= 25mm	NW57Y04



