


TIGZONE®
TORCHES

TIGZONE – SPECIALTY SERIES

SUPERCool

Air and watercooled TIG-Torches

The TIGZONE AE-300 and the TIGZONE AQ-18SC torches are designed to deliver top-notch performance for welding applications. The AE-300 series features an air-cooled torch tailored to meet the demands of high-performance welding, providing exceptional performance without the need for water cooling.

On the other hand, the AQ-18SC torch takes cooling technology to the next level. It boasts integrated full-flow water cooling that effectively minimizes overheating of the front-end components. This advanced cooling system extends along the entire length of the torch head, enhancing cooling capacity. This is particularly advantageous when welding heavy aluminum alloys using alternating current. Additionally, optional gas lenses are available to improve gas coverage for even the most demanding welding tasks.

- Torches for heavy-Duty welding
- Available for all standard welding machines
- Super-Flex cables and Super-Soft leather remains flexible and ease to handle with a significant cable lifetime
- CE EN 60 974-7


60
%DC

Torch (model)	A DC (EN 60974-7)	A AC (EN 60974-7)	WØ (in mm)	Page
AE-300	300	250	0.5 - 4.0	4


100
%DC

Torch (model)	A DC (EN 60974-7)	A AC (EN 60974-7)	WØ (in mm)	Page
AQ-18SC	400	280	0.5 - 4.8	11

HANDLE SERIES

TIGZONE HD

Are you working on the construction site or in an environment where rough conditions prevail? Then the TIGZONE HD with its robust design, high frequency characteristics and metal switch blades for more finger control is the right choice. The handle is equipped with a microswitch with gold contacts and is completely insulated thanks to the switch sleeve. The switch module is available as a flat, curved single module or as a red/green double print, depending on your needs. The TIGZONE HD is available in three sizes: Small, Medium, and Large.



Trigger / Switches Parts			Trigger / Switches Complete	
SW-1-3 	SW-1-1 	SW-1-2 	SW-1 	SW-4
SW-1-4 			SW-1F 	SL-3 Switch Lever for SW-1F

	Compatible Torches	Adapter	Handle	Switch Boot
TIG	AE9, AE9SN, AE17, AE17SN, AE150		H-100 	BS-1
	CK9, CK17, CK24, CKPF130, MR70, FL130, FL150		CK-HS 	
TIG	AQ20, AE24, AQ24, AQ225, AQ225SN, AQ250SN	HI-100G 	H-100G 	BM-1
	CK20, CK25, CK24W, MR140, FL230, FL250		CK-H23 	
	CK230, TL26, TL18			
TIG	AQ18, AQ18SC, AE26, AE200, AE300		H-200 	BL-1
	CK18, CK26, CK510		CK-HL 	

HANDLE SERIES

TIGZONE Ergo

The TIGZONE Ergo not only impresses with its high frequency properties but is also suitable for both right-handed and left-handed users thanks to its ergonomic design. The switch module is available as a single-pressure or double-pressure version. The handle is particularly easy to repair, as no screws or tools are required, and is available in size Small and Large.



Trigger / Switches Parts

TZ-RB-1



TZ-BB-3



TZ-RB-2



TZ-BB-4



Compatible Torches

AE9, AE9SN, AE17, AE17SN, AE150
AQ20, AE24, AQ24, AQ225, AQ225SN, AQ250SN

CK230, TL26, TL18
CK9, CK17, CK24, CKPF130, MR70, FL130, FL150
CK20, CK25, CK24W, MR140, FL230, FL250

Handle

TZ-S-T



TZ-L-T



SPECIALTY – SUPERCool SERIES

AE-300

TIGZONE®
TORCHES



TIGZONE AE-300 – aircooled TIG-Torch

The Torch

Top performing air-cooled torch for heavy-duty applications. Ideal torch for rugged fieldwork welding.

The End-Connector

Available for all standard welding machines

The Handle

Choose between the ERGO or HD handle series

The Cable

Super-Flex® cables and Super-Soft® leather remains flexible and ease to handle with a significant cable lifetime. A 2PC torch cable makes this an easy-to-repair and heavy-duty tig torch

DIN Norm

CE EN 60 974-7

TIGZONE AE-300 – Torch / Back End Consumables



Torch Front Group

1	Torch Body incl. insulator (15)	
.1	AE-300	AE300
.2	AE-300F	AE300F

2	Backcap	
.1	short	57Y04
.2	medium	57Y02M
.3	long	57Y02

Cable Group

4	Cable cover leather	TZ-1028R-TIG
5	Cable cover 25x1.5mm	RS-25
6	Power Cable	
4m		AE300-4PC-*
4m SF		AE300-4PC-SF-*
8m		AE300-8PC-*
8m SF		AE300-8PC-SF-*
7	Control	MOQ 100m
Standard	(3x0.5mm)	LIYY-3x0,5

* Please specify machine connections e.g. 1/4, 3/8 etc.

i H-200R Handle

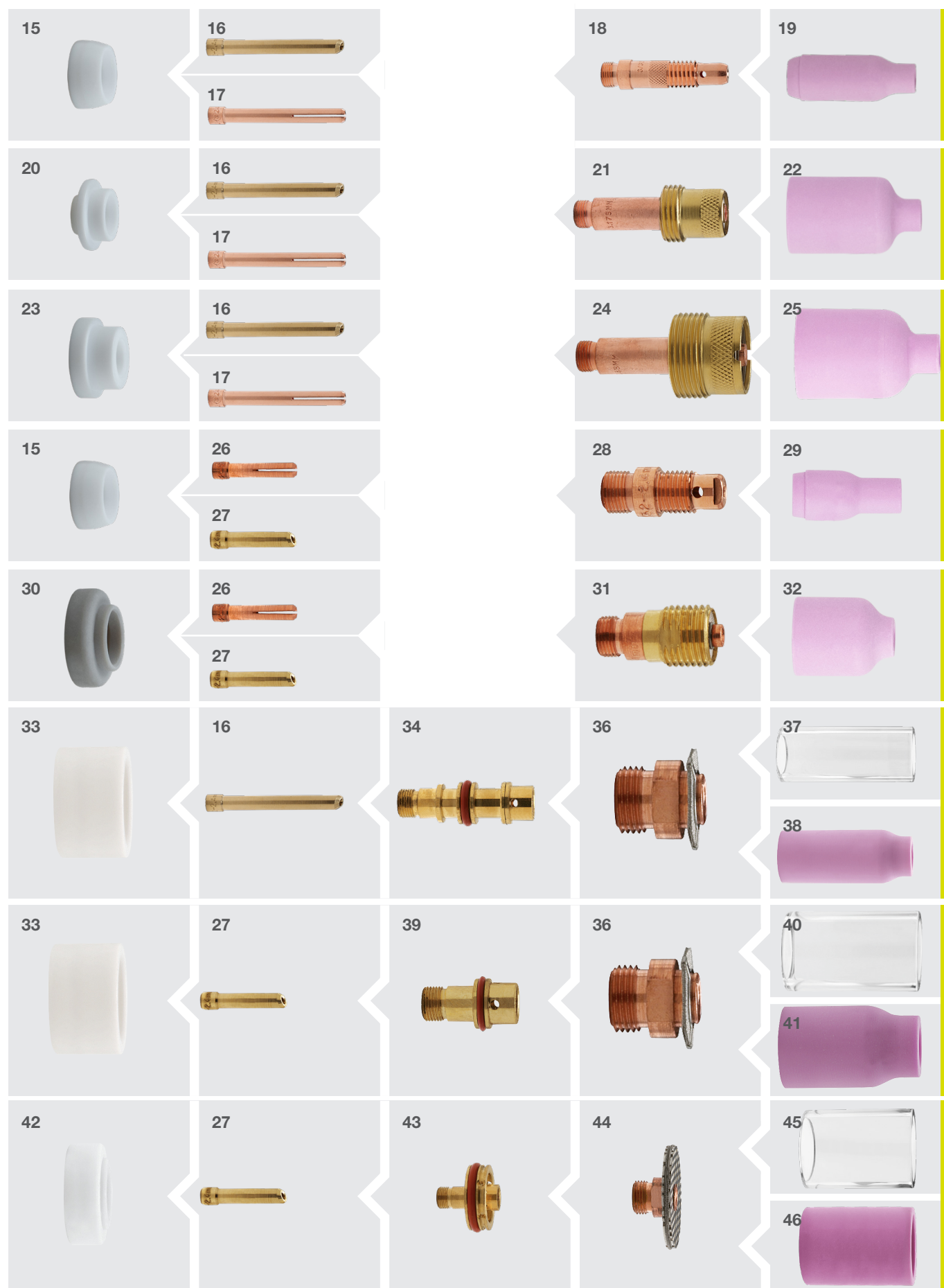
Fits AE-300 and AE-300F bodies.
Ordering Number: **H-200R**



i Handles

More information regarding our **Handles** Group on page 2.

TIGZONE AE-300 – Front End Consumables Overview



TIGZONE AE-300 – Front End Consumables

						
Size	16 Collet Wedge	17 Collet	18 Collet Body	21 Gas Lens	24 Gas Lens	15 Insulator Standard 18CG
Ø .020" (0.5 mm)	-	10N21	10N29	45V29	45V0204	
Ø .040" (1.0 mm)	3C040GS	10N22	10N30	45V24		20 Insulator Gas Lens 54N01
Ø 1/16" (1.6 mm)	3C116GS	10N23	10N31	45V25	45V116	
Ø 3/32" (2.4 mm)	3C332GS	10N24	10N32	45V26	45V64	
Ø 1/8" (3.2 mm)	3C418GS	10N25	10N28	45V27	995795	23 Insulator LD Gas Lens 54N63
Ø 5/32" (4.0 mm)	3C532GS	54N20	406488	45V28	45V63	

						
Size	19 Cup (46,83 mm)	19 Super Cup (Sil.Nitride)	19 Cup L (76 mm)	22 Cup (41,27 mm)	22 Super Cup (Sil.Nitride)	22 Cup L (76 mm)
#3 Ø 4.75 mm	-	-	-	-	-	-
#4 Ø 6.35 mm	10N50	10N50SC	10N50L	54N18	54N18SC	54N18L
#5 Ø 7.93 mm	10N49	10N49SC	10N49L	54N17	54N17SC	54N17L
#6 Ø 9.52 mm	10N48	10N48SC	10N48L	54N16	54N16SC	54N16L
#7 Ø 11.11 mm	10N47	10N47SC	10N47L	54N15	54N15SC	54N15L
#8 Ø 12.70 mm	10N46	10N46SC	-	54N14	54N14SC	54N14L
#10 Ø 15.87 mm	10N45	10N45SC	-	-	-	-
#11 Ø 17.50 mm	-	-	-	54N19L	-	-
#12 Ø 19.05 mm	10N44	10N44SC	-	-	-	-

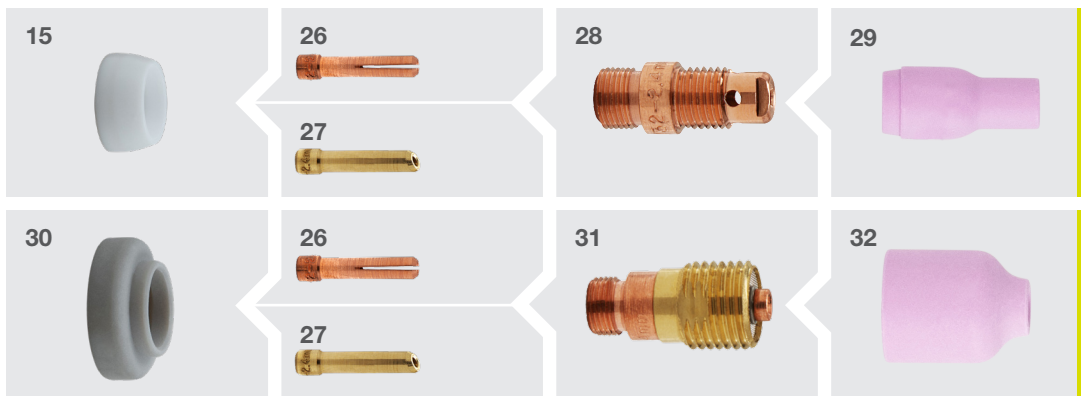
					
Size	25 Cup (47,62 mm)	25 Super Cup (Sil.Nitride)	25 Cup L (70 mm)	25 Cup XL (84 mm)	25 Cup XXL (122 mm)
#3 Ø 4.75 mm	-	-	-	-	-
#4 Ø 6.35 mm	-	-	-	-	-
#5 Ø 7.93 mm	-	-	-	-	-
#6 Ø 9.52 mm	57N75	57N75SC	57N75L	57N75XL	57N75XXL
#7 Ø 11.11 mm	-	-	-	-	-
#8 Ø 12.70 mm	57N74	57N74SC	57N74L	57N74XL	57N74XXL
#10 Ø 15.87 mm	53N88	53N88SC	53N88L	53N88XL	53N88XXL
#12 Ø 19.05 mm	53N87	53N87SC	53N87L	53N87XL	53N87XXL

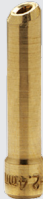
TIGZONE AE-300 – Front End Consumables

Parts

These parts come in different **ma-
terials, variants**
and **sizes**.

For additional
information see
below.

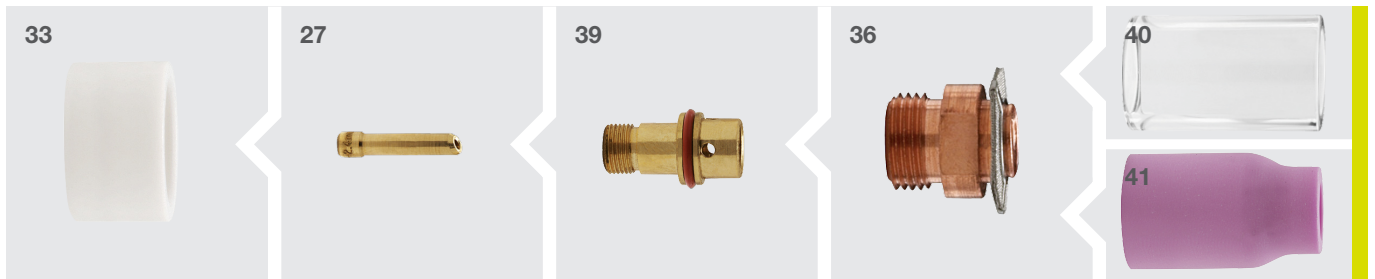


									
Size		15 Insulator Standard	30 Insulator Stubby Gas Lens	26 Stubby Collet	27 Collet Wedge	28 Short Collet Body	31 Stubby Gas Lens		
Ø .020"	(0.5 mm)	18CG	18CGG	10N21S	-	4CB20	4GL20		
Ø .040 "	(1.0 mm)			10N22S	4C040GS	4CB40	4GL40		
Ø 1/16"	(1.6 mm)			10N23S	4C116GS	4CB116	4GL116		
Ø 3/32"	(2.4 mm)			10N24S	4C332GS	4CB332	4GL332		
Ø 1/8"	(3.2 mm)			10N25S	4C418GS	4CB418	4GL418		
Ø 5/32"	(4.0 mm)			4C532	4C532GS	4CB532	4GL532		
									
Size		29 Cup (29,35 mm)	29 Super Cup (Sil.Nitride)	29 Cup L (48 mm)	29 Cup XL (63 mm)	32 Cup (25,40 mm)	32 Super Cup (Sil.Nitride)	32 Cup L (35 mm)	32 Cup XL (72 mm)
#3	Ø 4.75 mm	-	-	A796F70	A796F74	-	-	-	-
#4	Ø 6.35 mm	13N08	13N08SC	A796F71	A796F75	53N58	53N58SC	53N58L	53N58XL
#5	Ø 7.93 mm	13N09	13N09SC	A796F72	A796F76	53N59	53N59SC	53N59L	53N59XL
#6	Ø 9.52 mm	13N10	13N10SC	A796F73	A796F77	53N60	53N60SC	53N60L	53N60XL
#7	Ø 11.11 mm	13N11	13N11SC	-	-	53N61	53N61SC	53N61L	53N61XL
#8	Ø 12.70 mm	13N12	13N12SC	-	-	53N61S	53N61SSC	53N61SL	-
#10	Ø 15.87 mm	13N13	13N13SC	-	-	53N61S-10	-	-	-
#12	Ø 19.05 mm	-	-	-	-	-	-	-	-

TIGZONE AE-300 – Front End Consumables



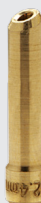
							
	33 Insulator Gas Saver	16 Collet Wedge	34 Collet Body Gas Saver	36 Tungsten Adapter with Screens		37 Cup Pyrex (47,62 mm)	38 Short Cup for Gas Saver (47,62 mm)
Size					Size		
Ø .020" (0.5 mm)		-	-	-	#3 Ø 4.75 mm	-	-
Ø .040 " (1.0 mm)		3C040GS		TAS040GS	#4 Ø 6.35 mm	-	3A4GS
Ø 1/16" (1.6 mm)		3C116GS		TAS116GS	#5 Ø 7.93 mm	-	3A5GS
Ø 3/32" (2.4 mm)	3HSGS	3C332GS	3CBGS	TAS332GS	#6 Ø 9.52 mm	-	3A6GS
Ø 1/8" (3.2 mm)		3C418GS		TAS418GS	#7 Ø 11.11 mm	-	3A7GS
Ø 5/32" (4.0 mm)		3C532GS		TAS532GS	#8 Ø 12.70 mm	D3P8GS	3A8GS
					#10 Ø 15.87 mm	-	-
					#12 Ø 19.05 mm	-	-



							
	33 Insulator Gas Saver	27 Collet Wedge	39 Collet Body Gas Saver	36 Tungsten Adapter with Screens		40 Cup Pyrex (32,50 mm)	41 Short Cup for Gas Saver (32,50 mm)
Size					Size		
Ø .020" (0.5 mm)		-	-	-	#3 Ø 4.75 mm	-	-
Ø .040" (1.0 mm)		4C040GS		TAS040GS	#4 Ø 6.35 mm	-	2A4GS
Ø 1/16" (1.6 mm)		4C116GS		TAS116GS	#5 Ø 7.93 mm	-	2A5GS
Ø 3/32" (2.4 mm)	3HSGS	4C332GS	4CBGS	TAS332GS	#6 Ø 9.52 mm	-	2A6GS
Ø 1/8" (3.2 mm)		4C418GS		TAS418GS	#7 Ø 11.11 mm	-	2A7GS
Ø 5/32" (4.0 mm)		4C532GS		TAS532GS	#8 Ø 12.70 mm	D2P8GS	2A8GS
					#10 Ø 15.87 mm	-	-
					#12 Ø 19.05 mm	-	-

TIGZONE AE-300 – Front End Consumables



				
	27 Insulator Gas Saver LD	27 Collet Wedge	43 Collet Body Gas Saver LD	44 Tungsten Adapter with Screens
Size				
Ø .020" (0.5 mm)	-	-	-	-
Ø .040" (1.0 mm)		4C040GS		TAS040GSLD
Ø 1/16" (1.6 mm)		4C116GS		TAS116GSLD
Ø 3/32" (2.4 mm)	4HSGSLD	4C332GS	4CBGSLD	TAS332GSLD
Ø 1/8" (3.2 mm)		4C418GS		TAS418GSLD
Ø 5/32" (4.0 mm)		4C532GS		TAS532GSLD

		
	45 Cup Pyrex LD (47,62 mm)	46 Cup LD GasSaver (47,62 mm)
Size		
#3	Ø 4.75 mm	-
#4	Ø 6.35 mm	-
#5	Ø 7.93 mm	-
#6	Ø 9.52 mm	-
#7	Ø 11.11 mm	-
#8	Ø 12.70 mm	-
#10	Ø 15.87 mm	-
#12	Ø 19.05 mm	-
#18	Ø 28.50 mm	2A12GSLD
	4P18GSLD	4A18GSLD

SPECIALTY – SUPERCool SERIES

AQ-18SC

TIGZONE®
TORCHES**100**
%DC**WØ**
0,5
–
4,8
mm**400**
A DC

280
A AC

TIGZONE AQ-18SC – watercooled TIG-Torch

The Torch

Rugged designed torch for high-amperage and continuous hand-held welding

The Cable

Super-Flex® cables and Super-Soft® leather remains flexible and ease to handle with a significant cable lifetime

The End-Connector

Available for all standard welding machines

DIN Norm

CE EN 60 974-7

The Handle

Choose between the ERGO or HD handle series

TIGZONE AQ-18SC – Torch / Back End Consumables



Torch Front Group

1	Torch Body incl. insulator (15)	
.1	AQ-18SC	AQ18SC
2	Backcap	
.1	short	57Y04
.2	medium	57Y02M
.3	long	57Y02

Cable Group

4	Cable cover leather	TZ-1028R-TIG
5	Cable cover 25x1.5mm	RS-25
6	Gas Hose	
	4m	40V75R-*
	4m SF	40V75R-SF-*
	8m	41V30R-*
	8m SF	41V30R-SF-*
7	Water Hose	
	4m	40V74R-*
	4m SF	40V74R-SF-*
	8m	41V32R-*
	8m SF	41V32R-SF-*
8	Power Cable	
	4m	40V64R-*
	4m SF	40V64R-SF-*
	8m	41V29R-*
	8m SF	41V29R-SF-*
9	Control	MOQ 100m
	Standard (3x0.5mm)	LIYY-3x0,5



Please specify machine connections e.g. 1/4, 3/8 etc.



Handle w/o switch

Ordering
Number:
H-200



Handles

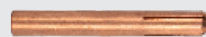
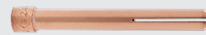
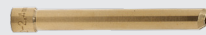
More information regarding our
Handles Group on page 2.

TIGZONE AQ-18SC – Front End Consumables Overview

i **Parts**

These parts come in different **materials, variants** and **sizes**.

For additional information see below.



TIGZONE AQ-18SC – Front End Consumables

						
Size	16 Collet Wedge	17 Collet	18 Collet Body	19 Collet Body	20 Gas Lens	21 Colled Body
Ø .020" (0.5 mm)	-	10N21	-	NCB-53	18GL02	-
Ø .040 " (1.0 mm)	3C040GS	10N22	-		18GL04	-
Ø 1/16" (1.6 mm)	3C116GS	10N23	-		18GL16	-
Ø 3/32" (2.4 mm)	3C332GS	10N24	-		18GL32	-
Ø 1/8" (3.2 mm)	3C418GS	10N25	10N25HD		18GL18	NCB-36
Ø 5/32" (4.0 mm)	3C532GS	54N20	54N20HD	18GL53		
Ø 3/16" (4.8 mm)	-	-	18C36	18GL36		

i HD Collets

Heavy duty copper collets (18) available for high amperage welding applications.

Size				
		22 Cup (41,27 mm)	22 Super Cup (Sil.Nitride)	22 Cup L (76 mm)
#3	Ø 4.75 mm	-	-	-
#4	Ø 6.35 mm	54N18	54N18SC	54N18L
#5	Ø 7.93 mm	54N17	54N17SC	54N17L
#6	Ø 9.52 mm	54N16	54N16SC	54N16L
#7	Ø 11.11 mm	54N15	54N15SC	54N15L
#8	Ø 12.70 mm	54N14	54N14SC	54N14L
#10	Ø 15.87 mm	-	-	-
#11	Ø 17.50 mm	54N19L	-	-
#12	Ø 19.05 mm	-	-	-

