

# TIG Welding Torch SRT 18SC

liquid cooled



## SRT – Standard Redefined!

With the new line of SRT welding torches, ABICOR-BINZEL have brought clarity and order into the world of TIG welding where less now means more. Fewer components, but more system!

The distinguishing features of the SRT line of welding torches are:

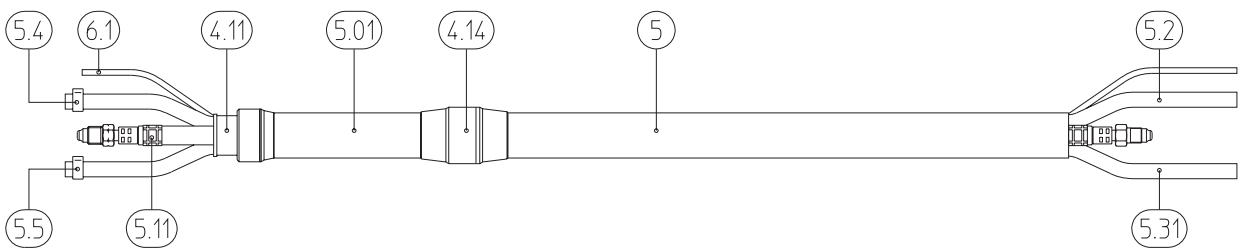
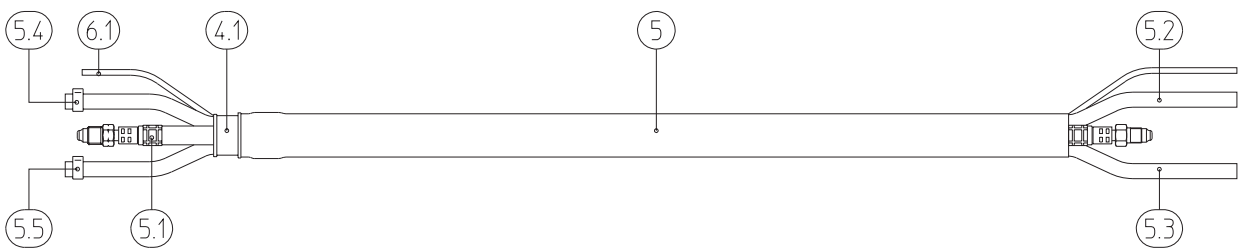
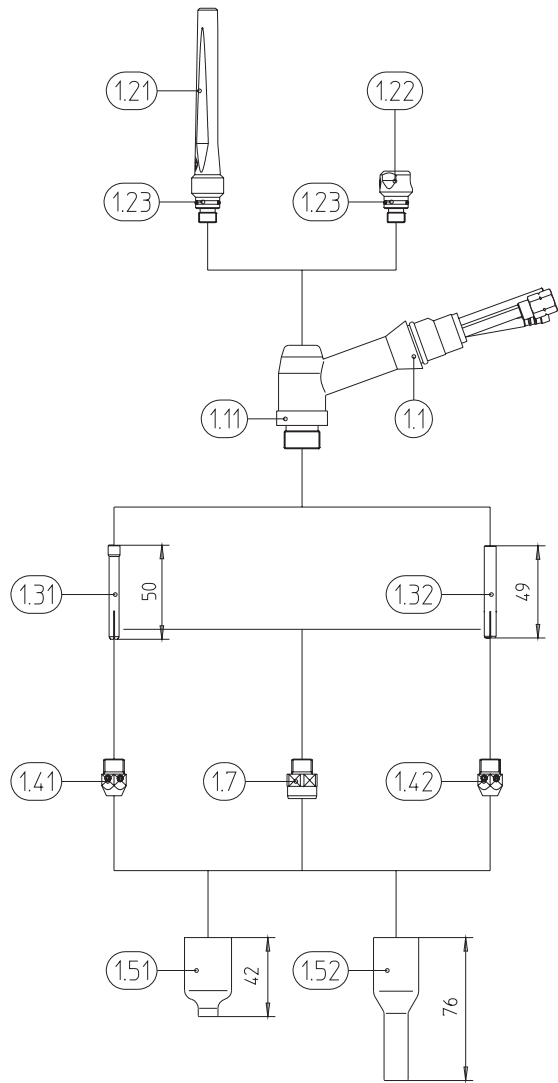
- modular construction
- ergonomic and easy-to-assemble handle
- slim, light and flexible cable assemblies

### Technical Data (EN 50 078):

SRT 18SC	
Type of cooling:	Liquid
Max. lead-in temp.:	50°C
Min. flow:	0.8l/min.
Min. flow pressure:	1.5 bar
Max. flow pressure:	3.5 bar
Coolant:	BTC-15
Gas flow:	7-20l/min.
Inert gas DIN EN 439	
Rating at 100% duty cycle:	400 A DC 280 A AC
Electrode diameter:	ø 0.5 - 4.8 mm

Welding & cutting brought to the point.





Build group	Pos.	Description	Internat.-no.	Specifications	Order-no.
Torch body	1.1	Torch body SRT 18SC		liquid cooled	712.6020
	1.11	Insulating ring w/o. fig. Shrink hose	18NG	10 pcs. per meter	712.6043 104.0007
Wear parts	1.21	Back cap (long)			712.1051
	1.22	Back cap (short)			712.1053
	1.23	O-ring 10x1.5		20 pcs.	165.0012
	1.31	Collet for electrode- Ø 0.5 mm	10N21	10 pcs.	702.0005
		Collet for electrode- Ø 1.0 mm	10N22	10 pcs.	702.0006
		Collet for electrode- Ø 1.6 mm	10N23	10 pcs.	702.0008
		Collet for electrode- Ø 2.4 mm	10N24	10 pcs.	702.0009
		Collet for electrode- Ø 3.2 mm	10N25	10 pcs.	702.0010
		Collet for electrode- Ø 4.0 mm	54N20	10 pcs.	702.0011
	1.32	Collet HL for electrode- Ø 3.2 mm	10N25HD	10 pcs.	712.6064
		Collet HL for electrode- Ø 4.0 mm	54N20HD	10 pcs.	712.6065
		Collet HL for electrode- Ø 4.8 mm	18C36	10 pcs.	712.6066
	1.41	Collet body for electrode- Ø 0.5-3.2 mm	NCB-53	10 pcs.	712.6074
	1.42	Collet body HL for electrode- Ø 3.2-4.8 mm (only use with pos. 1.32)	NCB-36	10 pcs.	712.6076
	1.51	Ceramic gas nozzle, no. 4, Ø 6.5 mm	54N18	10 pcs.	701.0420
		Ceramic gas nozzle, no. 5, Ø 8.0 mm	54N17	10 pcs.	701.0421
		Ceramic gas nozzle, no. 6, Ø 9.5 mm	54N16	10 pcs.	701.0422
		Ceramic gas nozzle, no. 7, Ø 11.0 mm	54N15	10 pcs.	701.0423
		Ceramic gas nozzle, no. 8, Ø 12.5 mm	54N14	10 pcs.	701.0424
		Ceramic gas nozzle, no. 12, Ø 19.5 mm	54N19	10 pcs.	701.0426
	1.52	Ceramic gas nozzle, no. 5, Ø 8.0 mm	54N17L	10 pcs.	701.0427
		Ceramic gas nozzle, no. 6, Ø 9.5 mm	54N16L	10 pcs.	701.0428
		Ceramic gas nozzle, no. 7, Ø 11.0 mm	54N15L	10 pcs.	701.0429
	For using gas lenses				
1.7	Collet body with gas lens for electrode-Ø 0.5 mm	18GL02	10 pcs.	712.6099	
	Collet body with gas lens for electrode-Ø 1.0 mm	18GL04	10 pcs.	712.6100	
	Collet body with gas lens for electrode-Ø 1.6 mm	18GL16	10 pcs.	712.6101	
	Collet body with gas lens for electrode-Ø 2.4 mm	18GL32	10 pcs.	712.6102	
	Collet body with gas lens for electrode-Ø 3.2 mm	18GL18	10 pcs.	712.6103	
	Collet body with gas lens for electrode-Ø 4.0 mm	18GL53	10 pcs.	712.6104	
	Collet body with gas lens for electrode-Ø 4.8 mm	18GL36	10 pcs.	712.6105	
Component kits		w/o. fig. Component kit for electrode- Ø 1.6 consisting of: Back cap (long) 712.1051, Collet 702.0008, Collet body 712.6074, Ceramic gas nozzle 701.0421			712.6151
		Component kit for electrode- Ø 2.4 consisting of: Back cap (long) 712.1051, Collet 702.0009, Collet body 712.6074, Ceramic gas nozzle 701.0423			712.6152

Build group	Pos.	Description	Internat.-no. Specifications	Order-no.
<b>Component kits</b>		Component kit HL electrode- Ø 3.2 consisting of: Back cap (long) 712.1051, Collet HL 712.6064, Collet body HL 712.6076, Ceramic gas nozzle 701.0424		712.6153
		Component kit HL for electrode- Ø 4.0 consisting of: Back cap (long) 712.1051, Collet HL 712.6065, Collet body HL 712.6076, Ceramic gas nozzle 701.0424		712.6154
		Equipment kit for electrode- Ø 4.8 consisting of: Back cap (long) 712.1051, Collet HL 712.6066, Collet body HL 712.6076, Ceramic gas nozzle 701.0426		712.6155
<b>Handle</b>	2	Handle complete without BIS module		180.0093
<b>Cable assembly</b>	4.1	Cable support		701.0139
	5	Outer hose ND 20	per meter	105.0005
	5.1	Power cable for SRT-18SC, 4.00 m		150.0018
		Power cable for SRT-18SC, 8.00 m		150.0019
		Power cable for SRT-18SC, 12.00 m		150.0020
	5.2	Hose Ø 3x1.5	per meter	102.0124
	5.3	Hose Ø 3.9x1.5	per meter	109.0011
	5.4	Hose clamp Ø 6.5 mm	20 pcs.	173.0009
	5.5	Hose clamp Ø 7.5 mm	20 pcs.	173.0007
	6.1	Control cable 3 core	per meter	100.0100
		Control cable 6 core	per meter	100.0112
<b>Cable assembly High Flex</b>	4.11	Hose coupling complete consisting of:		400.0691
		Hose coupling external part		400.0613
		Cable assembly protection		400.0351
		Hose coupling internal part		400.0614
	4.14	Hose coupling complete consisting of:		400.0391
		Hose coupling BS		400.0377
		Cable assembly protection		400.0351
		Hose coupling MS		400.0378
	5	Outer hose ND 20	per meter	105.0005
	5.01	Fabrics hose High Flex	per meter	109.0101
		Leather hose High Flex	1.00 m	108.0028
	5.11	Power cable High Flex for SRT-18 SC, 4.00 m		150.0068
		Power cable High Flex for SRT-18 SC, 8.00 m		150.0069
		Power cable High Flex for SRT-18 SC, 12.00 m		150.0070
	5.2	Hose Ø 3x1.5	per meter	102.0124
	5.31	Hose Ø 3.9x1.5	per meter	109.0059
	5.4	Hose clamp Ø 6.5 mm	20 pcs.	173.0009
5.5	Hose clamp Ø 7.5 mm	20 pcs.	173.0007	
6.1	Control cable 3 core	per meter	100.0100	
	Control cable 6 core	per meter	100.0112	
<b>Coolant</b>	w/o fig.	Coolant BTC-15	5 l Container	192.0110
		Coolant BTC-15	20 l Container	192.0111
		Coolant BTC-15	200 l Barrel	192.0112

The positions indicating "per meter" are available in commercial lengths.

**SRT - The standard redefined.**

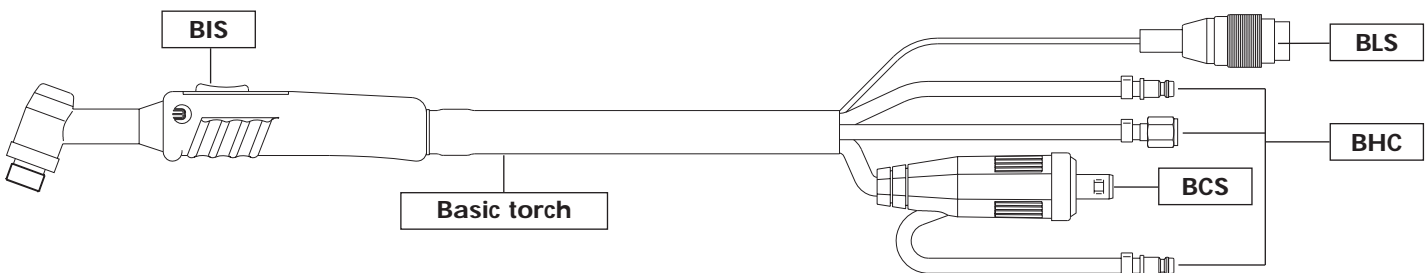
Fewer components, but an improved system. With the SRT line of welding torches BINZEL have redefined the standard regarding variety of types, equipment and connection with TIG torches. SRT - the modular range of torches for virtually all TIG applications.

**The benefits to you:** Depending on your needs and requirements, you can now assemble your torch so easily with the help of the 15-digit ID number shown below.

**Structure of the 15-digit variant ID number:**

Basic torch			BIS	BCS	BLS	BHC
□ □ □	□ □	□	□ □	□ □	□ □ □	□ □
<b>Type</b> (position 1-3)						<b>BHC</b> (positions 14, 15) Hose connecting module (hose connection on machine), see SRT module overview – <b>BHC</b> chapter
<b>Standard</b> SRT-18SC = <b>717</b>					<b>BLS</b> (positions 11-13) control cable module (control cable connector) see SRT module overview – <b>BLS</b> chapter <ul style="list-style-type: none"> <li>• Position 11+12 = control cable module</li> <li>• Position 13 = module coding</li> </ul>	
<b>High Flex</b> Fabrics hose SRT-18SC = <b>727</b>						
<b>High Flex</b> Leather hose SRT-18SC = <b>737</b>			<b>BCS</b> (positions 9+10) connection module (machine connection) see SRT module overview – <b>BCS</b> chapter			
			<b>BIS</b> (positions 7+8) drive module, see SRT module overview – <b>BIS</b> chapter			
			<b>Control cable</b> (position 6) <ul style="list-style-type: none"> <li>• 3 core = <b>3</b></li> <li>• 6 core = <b>6</b></li> </ul>			
<b>Length of cable assembly</b> (position 4+5) <ul style="list-style-type: none"> <li>• 4 m = <b>04</b></li> <li>• 8 m = <b>08</b></li> <li>• 12 m = <b>12</b></li> </ul>						

**Example:** You need an SRT-18SC (standard), 4 m long, with double action push-button, BSB 35-50 compatible connection with rubber sleeve, 5-pole Tichel connector (3 buttons in front, 1 behind, 2 common) coolant forward and reverse circuit with connector nipple ND5 and gas with 1/4" cap-nut.



Basic torch			BIS	BCS	BLS	BHC
7 1 4	0 4	3	0 2	0 0	0 1 D	1 1
SRT-18SC (standard)   4 m long			BSB35-50 compatible connection with rubber sleeve		5-pole Tichel connector with D-coding = 3 buttons in front, 1 behind, 2 common	Coolant forward and return circuit with connector nipple ND5 and gas with 1/4" cap-nut
3-core			Double push-button DD			

# Order form SRT-18SC

It is preferable to copy and fax this page, which is faster and you will be able to use the order form more often.

Basic torch			BIS	BCS	BLS	BHC
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Type</b> (position 1-3)						<b>BHC</b> (positions 14, 15) Hose connecting module (hose connection on machine), see SRT module overview – <b>BHC</b> chapter
<b>Standard</b> SRT-18SC = <b>717</b>						<b>BLS</b> (positions 11-13) control cable module (control cable connector) see SRT module overview – <b>BLS</b> chapter <ul style="list-style-type: none"> <li>• Position 11+12 = control cable module</li> <li>• Position 13 = module coding</li> </ul>
<b>High Flex</b> Fabrics hose SRT-18SC = <b>727</b>						<b>BCS</b> (positions 9+10) connection module (machine connection) see SRT module overview – <b>BCS</b> chapter
<b>High Flex</b> Leather hose SRT-18SC = <b>737</b>			<b>BIS</b> (positions 7+8) drive module, see SRT module overview – <b>BIS</b> chapter			
			<b>Control cable</b> (position 6) <ul style="list-style-type: none"> <li>• 3 core = <b>3</b></li> <li>• 6 core = <b>6</b></li> </ul>			
			<b>Length of cable assembly</b> (position 4+5) <ul style="list-style-type: none"> <li>• 4 m = <b>0 4</b></li> <li>• 8 m = <b>0 8</b></li> <li>• 12 m = <b>1 2</b></li> </ul>			

**Important!** All SRT variant torches are supplied without wear parts which can be ordered as a separate component kit in addition to the variant ID number. All marketable tungsten electrodes acc. to DIN/EN 26 848 are on stock. Please ask for our price list.

## Order:

No.	Description	ID-no.
	SRT manual welding torch	
	SRT manual welding torch	
	SRT manual welding torch	
	Component kit SRT-18SC WE-Ø 1.6	712.6151
	Component kit SRT-18SC WE-Ø 2.4	712.6152
	Component kit SRT-18SC WE-Ø 3.2	712.6153
	Component kit SRT-18SC WE-Ø 4.0	712.6154
	Component kit SRT-18SC WE-Ø 4.8	712.6155

Company: \_\_\_\_\_

Road/no.: \_\_\_\_\_

Post code/town: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Contact: \_\_\_\_\_

Dept.: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Welding & cutting brought to the point.



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