

# TIG

## Welding Torch

### SRT 17, SRT 18, SRT 26

air / 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:

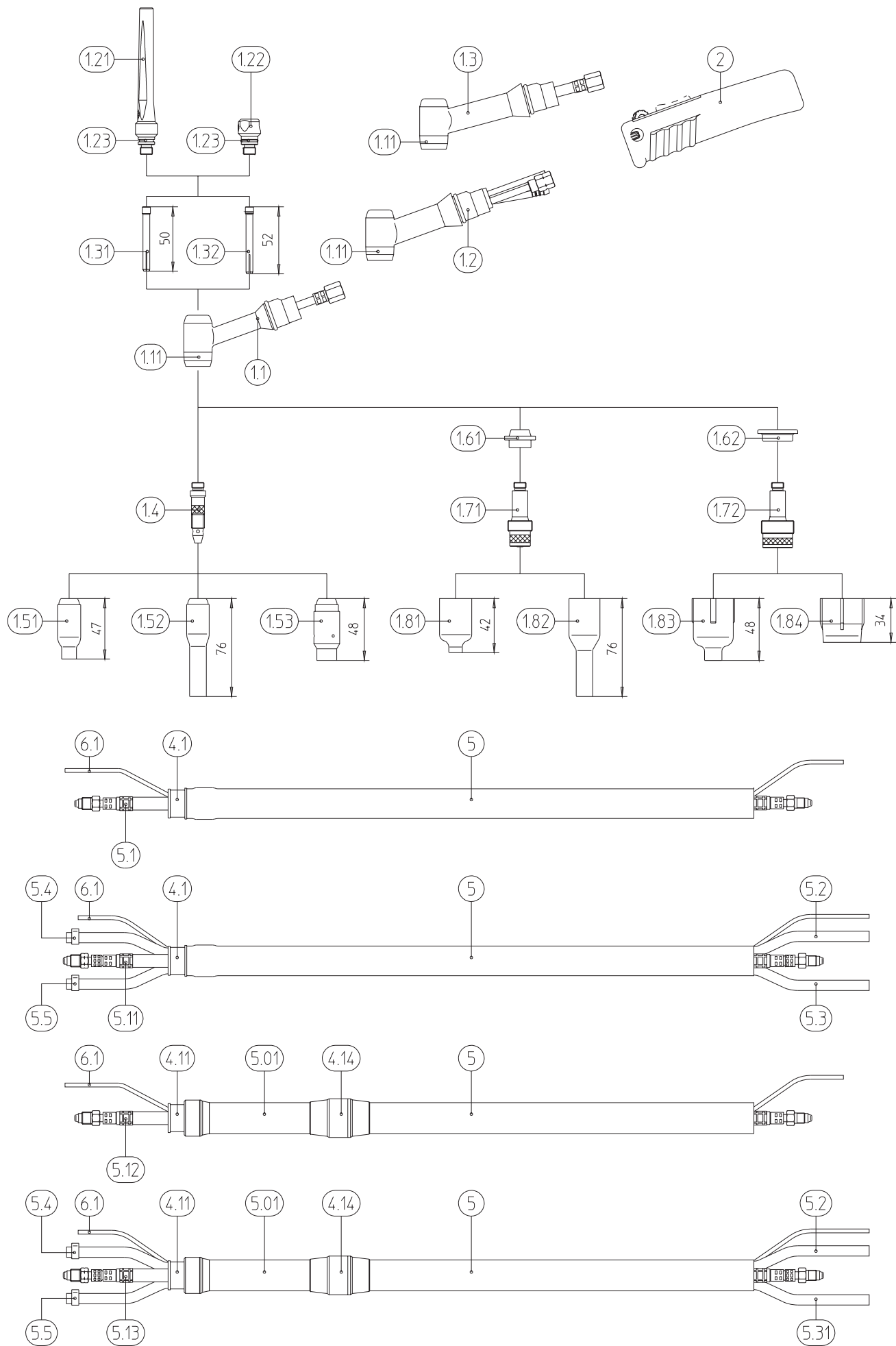
- modular construction
- ergonomic and easy-to-assemble handle
- slim, light and flexible cable assemblies

#### Technical Data (EN 50 078):

SRT 17 / SRT 18 / SRT 26	
Type of cooling	Air / Liquid / Air
Max. lead-in temp.:	50°C
Min. flow:	0.7l/min.
Min. flow pressure:	1.5 bar
Max. flow pressure:	3.5 bar
Coolant:	BTC-15
Gas flow:	7-15l / 7-20l / 7-18l/min.
Inert gas DIN EN 439	
Rating at 35% / 100% / 35%	
duty cycle:	140 / 320 / 180 A DC 125 / 240 / 130 A AC
Electrode diameter:	ø 0.5 - 2.4 / 0.5 - 4.0 / 0.5 - 4.0 mm

Welding & cutting brought to the point.





Build group	Pos.	Description	Internat.-no.	Specifications	Order-no.
<b>Torch body</b>	1.1	Torch body SRT 17		air cooled	712.1020
	1.2	Torch body SRT 18		liquid cooled	712.2020
	1.3	Torch body SRT 26		air cooled	712.4020
	1.11	Insulating ring w/o fig. Shrink hose	18CG	10 pcs. per meter	703.0012 104.0007
<b>Wear parts</b>	1.21	Back cap (long)			712.1051
	1.22	Back cap (short)			712.1053
	1.23	O-ring 10 x 1.5		20 pcs.	165.0012
	1.31	Collet 50.0 mm long for electrode- Ø 0.5 mm	10N21	10 pcs.	702.0005
		Collet 50.0 mm long for electrode- Ø 1.0 mm	10N22	10 pcs.	702.0006
		Collet 50.0 mm long for electrode- Ø 1.2 mm		10 pcs.	702.0007
		Collet 50.0 mm long for electrode- Ø 1.6 mm	10N23	10 pcs.	702.0008
		Collet 50.0 mm long for electrode- Ø 2.0 mm		10 pcs.	702.0012
		Collet 50.0 mm long for electrode- Ø 2.4 mm	10N24	10 pcs.	702.0009
		Collet 50.0 mm long for electrode- Ø 3.2 mm	10N25	10 pcs.	702.0010
		Collet 50.0 mm long for electrode- Ø 4.0 mm	54N20	10 pcs.	702.0011
	1.32	Collet 52.0 mm long for electrode- Ø 0.5 mm	10N21D	10 pcs.	701.0169
		Collet 52.0 mm long for electrode- Ø 1.0 mm	10N22D	10 pcs.	701.0171
		Collet 52.0 mm long for electrode- Ø 1.2 mm		10 pcs.	701.0170
		Collet 52.0 mm long for electrode- Ø 1.6 mm	10N23D	10 pcs.	701.0172
		Collet 52.0 mm long for electrode- Ø 2.0 mm		10 pcs.	701.0176
		Collet 52.0 mm long for electrode- Ø 2.4 mm	10N24D	10 pcs.	701.0173
		Collet 52.0 mm long for electrode- Ø 3.2 mm	10N25D	10 pcs.	701.0174
		Collet 52.0 mm long for electrode- Ø 4.0 mm	54N20D	10 pcs.	701.0175
	1.4	Collet body for electrode- Ø 0.5-1.2 mm	10N30	10 pcs.	701.0190
		Collet body for electrode- Ø 1.6 mm	10N31	10 pcs.	701.0191
		Collet body for electrode- Ø 2.0-2.4 mm	10N32	10 pcs.	701.0196
		Collet body for electrode- Ø 3.2 mm	10N28	10 pcs.	701.0197
		Collet body for electrode- Ø 4.0 mm	406488	10 pcs.	701.0198
	1.51	Ceramic gas nozzle, no. 4, Ø 6.5 mm	10N50	10 pcs.	701.0107
		Ceramic gas nozzle, no. 5, Ø 8.0 mm	10N49	10 pcs.	701.0108
		Ceramic gas nozzle, no. 6, Ø 9.5 mm	10N48	10 pcs.	701.0109
	Ceramic gas nozzle, no. 7, Ø 11.0 mm	10N47	10 pcs.	701.0110	
	Ceramic gas nozzle, no. 8, Ø 12.5 mm	10N46	10 pcs.	701.0111	
	Ceramic gas nozzle, no. 10, Ø 16.0 mm	10N45	10 pcs.	701.0113	
w/o fig.	Ceramic gas nozzle, no. 12, Ø 19.5 mm, 50.0 mm	10N44	10 pcs.	701.0114	
1.52	Ceramic gas nozzle, no. 5, Ø 8.0 mm	10N49L	10 pcs.	701.0115	
	Ceramic gas nozzle, no. 6, Ø 9.5 mm	10N48L	10 pcs.	701.0116	
	Ceramic gas nozzle, no. 7, Ø 11.0 mm	10N47L	10 pcs.	701.0117	
1.53	Ceramic gas nozzle, no. 5, Ø 8.0 mm, with metal shield	10N55	10 pcs.	701.0124	

Build group	Pos.	Description	Internat.-no.	Specifications	Order-no.	
<b>Wear parts</b>		Ceramic gas nozzle, no. 6, Ø 9.5 mm; with metal shield	10N54	10 pcs.	701.0126	
		Ceramic gas nozzle, no. 7, Ø 11.0 mm; with metal shield	10N53	10 pcs.	701.0118	
		Ceramic gas nozzle, no. 8, Ø 12.5 mm; with metal shield	10N52	10 pcs.	701.0120	
		Ceramic gas nozzle, no. 10, Ø 16.0 mm; with metal shield	10N51	10 pcs.	701.0122	
		w/o. fig. Ceramic spot weld nozzle, no. 8, Ø 12.5 mm; with metal shield	10N52P	10 pcs.	701.0129	
		Gas lens accessories				
	1.61		Insulator (alternative for pos. 1.71)	54N01	10 pcs.	701.0130
	1.62		Insulator (alternative for pos. 1.72)	54N63	5 pcs.	701.1122
	1.71		Collet body with gas lens for electrode- Ø 0.5 - 1.0 mm	45V24	10 pcs.	701.0201
			Collet body with gas lens for electrode- Ø 1.6 mm	45V25	10 pcs.	701.0203
			Collet body with gas lens for electrode- Ø 2.0 - 2.4 mm	45V26	10 pcs.	701.0207
			Collet body with gas lens for electrode- Ø 3.2 mm	45V27	10 pcs.	701.0209
			Collet body with gas lens for electrode- Ø 4.0 mm	45V28	10 pcs.	701.0211
	1.72		Collet body with gas lens for electrode- Ø 1.6 mm	45V116	5 pcs.	701.1116
			Collet body with gas lens for electrode- Ø 2.4 mm	45V64	5 pcs.	701.1117
			Collet body with gas lens for electrode- Ø 3.2 mm	995795	5 pcs.	701.1118
			Collet body with gas lens for electrode- Ø 4.0 mm	45V63	5 pcs.	701.1208
	1.81		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
	1.82		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
	1.83		Ceramic gas nozzle, no. 6, Ø 9.5 mm	57N75	10 pcs.	701.1199
		Ceramic gas nozzle, no. 8, Ø 12.5 mm	57N74	10 pcs.	701.1200	
		Ceramic gas nozzle, no. 10, Ø 16.0 mm	53N88	10 pcs.	701.1201	
		Ceramic gas nozzle, no. 12, Ø 19.5 mm	53N87	10 pcs.	701.1121	
1.84		Ceramic gas nozzle, Ø 24.0 mm (not recommended by using high flex )	53N89	10 pcs.	701.1202	

Build group	Pos.	Description	Internat.-no.	Specifications	Order-no.
<b>Component kits</b>	w/o. fig.	Component kit for electrode- Ø 1.6 consisting of: Back cap (long) 712.1051, Collet 702.0008, Collet body 701.0191, Ceramic gas nozzle 701.0108			712.2151
		Component kit for electrode- Ø 2.4 consisting of: Back cap (long) 712.1051, Collet 702.0009, Collet body 701.0196, Ceramic gas nozzle 701.0110			712.2152
		Component kit for electrode- Ø 3.2 consisting of: Back cap (long) 712.1051, Collet 702.0010, Collet body 701.0197, Ceramic gas nozzle 701.0111			712.2153
		Component kit for electrode- Ø 4.0 consisting of: Back cap (long) 712.1051, Collet 702.0011 Collet body 701.0198, Ceramic gas nozzle 701.0111			712.2154
	<b>Handle</b>	2	Handle complete without BIS module		
<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-17, 4.00 m			150.0084
		Power cable for SRT-17, 8.00 m			150.0085
		Power cable for SRT-17, 12.00 m			150.0086
		Power cable for SRT-26 4.00 m			150.0087
		Power cable for SRT-26, 8.00 m			150.0088
		Power cable for SRT-26, 12.00 m			150.0089
	5.11	Power cable for SRT-18, 4.00 m			150.0018
		Power cable for SRT-18, 8.00 m			150.0019
		Power cable for SRT-18, 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: Hose coupling external part			400.0691 400.0613
		Cable assembly protection			400.0351
		Hose coupling internal part			400.0614
	4.14	Hose coupling complete consisting of: Hose coupling BS			400.0391 400.0377
		Cable assembly protection			400.0351
		Hose coupling MS			400.0378
	5	Outer hose ND 20		per meter	105.0005
	5.01	Fabric hose High Flex		per meter	109.0101
		Leather hose High Flex		1.00 m	108.0028
	5.12	Power cable High Flex for SRT-17, 4.00 m			150.0065
		Power cable High Flex for SRT-17, 8.00 m			150.0066
		Power cable High Flex for SRT-17, 12.00 m			150.0067

Build group	Pos.	Description	Internat.-no.	Specifications	Order-no.
<b>Cable assembly High Flex</b>		Power cable High Flex for SRT-26, 4.00 m			150.0059
		Power cable High Flex for SRT-26, 8.00 m			150.0060
		Power cable High Flex for SRT-26, 12.00 m			150.0061
	5.13	Power cable High Flex for SRT-18, 4.00 m			150.0068
		Power cable High Flex for SRT-18, 8.00 m			150.0069
		Power cable High Flex for SRT-18, 12.00 m			150.0070
	5.2	Hose Ø 3x1.5		per meter	102.0124
	5.31	Hose High Flex 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
		Coolant BTC-15		20 l Container	192.0111
		Coolant BTC-15		200 l Barrel	192.0112

**SRT - The standard redefined.**

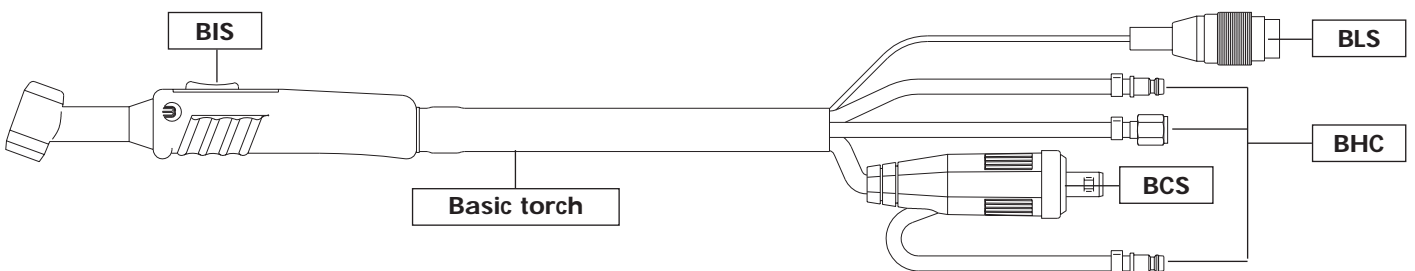
Fewer components, but an improved system. With the SRT line of welding torches BINZEL have redefined the standard regarding variety of types, equipment and connection with TIG torches. SRT – the modular range of torches for virtually all TIG applications.

**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>Standard</b> SRT-17 = <b>712</b> SRT-18 = <b>714</b> SRT-26 = <b>713</b>  <b>High Flex</b> Fabric hose SRT-17 = <b>722</b> SRT-18 = <b>724</b> SRT-26 = <b>723</b>  <b>High Flex</b> Leather hose SRT-17 = <b>732</b> SRT-18 = <b>734</b> SRT-26 = <b>733</b>			<b>BIS</b> (positions 7+8) drive module, see SRT module overview – <b>BIS</b> chapter  <b>Control cable</b> (position 6) • 3 core = <b>3</b> • 6 core = <b>6</b>		<b>BLS</b> (positions 11-13) control cable module (control cable connector) see SRT module overview – <b>BLS</b> chapter • Position 11+12 = control cable module • Position 13 = module coding  <b>BCS</b> (positions 9+10) connection module (machine connection) see SRT module overview – <b>BCS</b> chapter		<b>BHC</b> (positions 14, 15) Hose connecting module (hose connection on machine), see SRT module overview – <b>BHC</b> chapter
<b>Length of cable assembly</b> (position 4+5) • 4 m = <b>0 4</b> • 8 m = <b>0 8</b> • 12 m = <b>1 2</b>							

**Example:** You need an SRT-18 (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-18 (standard)   4 m long  3 core			Double push-button DD  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	

# Order form SRT-17/SRT-18 / SRT-26

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-17 = <b>712</b> SRT-18 = <b>714</b> SRT-26 = <b>713</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> Fabric hose SRT-17 = <b>722</b> SRT-18 = <b>724</b> SRT-26 = <b>723</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-17 = <b>732</b> SRT-18 = <b>734</b> SRT-26 = <b>733</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.	Company:
	SRT manual welding torch		Road/no.:
	SRT manual welding torch		Post code/town:
	SRT manual welding torch		Phone:
	Component kit SRT-17/SRT-18/SRT-26 WE-Ø 1.6	712.2151	Fax:
	Component kit SRT-17/SRT-18/SRT-26 WE-Ø 2.4	712.2152	Contact:
	Component kit SRT-17/SRT-18/SRT-26 WE-Ø 3.2	712.2153	Dept.:
	Component kit SRT-17/SRT-18/SRT-26 WE-Ø 4.0	712.2154	Date:
			Signature:

Welding & cutting brought to the point.



Alexander Binzel Schweisstechnik GmbH & Co. KG  
 P.O. Box 10 01 53 · D-35331 Giessen  
 Tel.: ++49 (0) 64 08 / 59-0  
 Fax: ++49 (0) 64 08 / 59-194  
 Internet: www.binzel-abicor.com