![Phoenix Contact — Inspiring Innovations logo]

rde Connects

C r i m p i n g   T o o l s

Crimping Tools for all Coninvers/Phoenix gold contacts

RC Series
SF Series
SL Series

ST Series
SM Series

Crimp Tools for all Coninvers Crimp Contacts

Picture	Details	Description	Part Number
		Setting up the Universal Crimp Tool requires two steps. Set the positioner for the different contact length between 1 and 12. Set the eccentric disc from A-D for crimping strength. This Tool is usable for all the RC, SC and SI contacts. The enclosed brochure explains for each contact and wire which adjustments you have to make.	**RC-Z2504** **AWG 26-14** machined contacts 1.0 mm Ø 1.5 mm Ø 2.0 mm Ø
			RC-Z2130 **AWG 28-20** stamped contacts 1.0 mm Ø
		This Universal crimp tool with 8 impression crimp is usable for almost all RC, SC, SI and SF contacts. (If necessary we can provide you with positioners and turrets as well.) With precision ratchet that controls cycling of the tool in both directions of handle movement. AWG 12-24	**AF 8**
		This Universal crimp tool with 8 impression crimp is usable for almost all RC, SC, SI and SF contacts. (If necessary we can provide you with positioners and turrets as well.) With precision ratched that controls cycling of the tool in both directions of handle movement. AWG 6-20	**M 309**

B-B-01

Crimp Tools for all Coninvers Crimp Contacts

Picture	Details	Description	Part Number
		Economy crimp tools w/o wire guide for closed-barrel contacts. Usable for RC, SC, SI, SF contacts. Ergonomic handles for low-efford operation. 8 indent crimping. Wire gauge AWG 20-12	PA-1443-CA
		Economy crimp tools w/o wire guide for closed-barrel contacts. Usable for RC, SC, SI, SF contacts. Ergonomic handles for low-efford operation. 8 indent crimping. Wire gauge AWG 26-20	PA-1462-CA

B-B-02

The new 4-arbor manual crimping pliers with digital display are adapted for crimping machined contacts (Ø 0.6 mm / Ø 2 mm) of the ST series as well as Ø 1 mm contacts of the SF series. All machined contacts of M17 P20 (ST) connectors can now be processed with only one pair of crimping pliers.

The complete tool with locator can be purchased under the designation SF-Z0054. The basic tool is identical to the one for Coninvers RC/ SC/ SI crimp contacts (RC-Z2514). These crimping pliers can be easily retrofitted with a locator, which can be ordered separately.

The table below shows the corresponding order designations.

The new crimping pliers are designed to be ergonomically advantageous, easy to handle and can be operated with little force. Detailed operating instructions are included in the packaging.

New SF-Z0054
4-arbor crimping pliers with digital display
for crimping machined contacts
(Ø 0.6 mm / Ø 1 mm / Ø 2 mm)

Description	Type
4-arbor manual crimping pliers with digital display incl. locator for machined crimp contacts Ø 0.6 mm / Ø 2 mm ST series, Ø 1.0 mm SF series	SF-Z0054
Separate locator for retrofitting the manual crimping pliers with digital display RC-Z2514	SF-Z0053
4-arbor manual crimping pliers with digital display incl. locator for machined crimp contacts Ø 1 mm / Ø 1.5 mm / Ø 2 mm of the RC/SC/SI series	RC-Z2514

Locator
Can be ordered separately

B-B-02-A

Crimp Tools for all Coninvers Crimp Contacts

Four-arbor manual crimping pliers with digital displays are characterized by their easy handling and operation. Especially outstanding is the exact setting of the crimping depth with a precision of 0.01 mm. High and reproducible crimping qualities can therefore be achieved.

CONINVERS carries crimping pliers in their product range which have digital displays for processing machined contacts for connection cross sections from 0.08 mm² to 10 mm² .

These crimping tools are now additionally equipped with wear monitoring. The user can call up the current tool status on the display. If the tool wear has exceeded a defined range, an error message appears. This new function further increases the process reliability.

As listed in the table below, the crimping tools (depending on the model) will be delivered with the new wear monitoring starting in July 2010.

The order designations and prices will not change with the introduction of the wear monitoring.
Detailed operating instructions will be enclosed in the packaging or can be downloaded at:
http://www.coninvers.com/com/service/1886.jsp

Marking "ON/OFF"

Manual crimping pliers with digital display and wear monitoring. The new function can be recognized visually by the "ON/OFF" marking.

Type of manual crimping pliers with digital display for machined CONINVERS contacts	Order No.	Crimping ranges Contact series	Wear monitoring	Operating instructions Designation	
RC-Z2514	1614590	0.08 mm² ... 2.5 mm² RC, SC, SI series	without wear monitoring "ON" marked	German:	RC_Z2514_DE-50
				English:	RC_Z2514_EN-51
			with wear monitoring "ON/OFF" marked	German:	RC_Z2514_DE-14790
				English:	RC_Z2514_EN-14795
SF-Z0054	1615585	0.08 mm² ... 2.5 mm² SF, ST series	without wear monitoring "ON" marked	German:	SF_Z0054_DE-1514520
				English:	SF_Z0054_EN-1514530
			with wear monitoring "ON/OFF" marked	German:	SF_Z0054_DE-1514555
				English:	SF_Z0054_EN-1514560
SF-Z0025	1607452	0.14 mm² ... 6.0 mm² SF, SM series	without wear monitoring "ON" marked	German:	SF_Z0025_DE-5014135
				English:	SF_Z0025_EN-5014145
			with wear monitoring "ON/OFF" marked	German:	SF_Z0025_DE-5014150
				English:	SF_Z0025_EN-5014155
SF-Z0026	1607454	1.5 mm² ... 10.0 mm² SF, SM series	without wear monitoring "ON" marked	German:	SF_Z0025_DE-5014135
				English:	SF_Z0025_EN-5014145
			with wear monitoring "ON/OFF" marked	German:	SF_Z0025_DE-5014150
				English:	SF_Z0025_EN-5014155

Crimp Tools for all Coninvers Crimp Contacts

Picture	Description	Part Number
	As an alternative to manual crimping tools with positioners and eccentric settings, there are 4-indent crimping pliers with digital display. These crimp tools are suitable for all SF, SM, and ST contacts. For AWG 28 - 10	SF-Z0025
	For AWG 10 - 8	SF-Z0026
	Special Positioner for SF-6FS2000 and SF-6DP2000	SF-Z0042

- Crimping recess
- Digital display
- Sunken "MODE" button
- "ON" button
- Adjustment knob for accuracies of feed depth of 0.01 mm
- End stop
- Battery holder Battery type CR2025 3 VOLT
- Locator, 12-section
- Clamping screw for locking the crimping dimensions

Setting matrix for all male and female contacts, please see the next pages…………..

Crimp Tools for all Coninvers Crimp Contacts

Setting matrix for machined crimp contacts
4-arbor crimping pliers with digital display SF-Z0025

Type No. Contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Conductor stripping length [mm]	Setting parameters Locator	Crimp arbor setting [mm]
SF-6AP2000	1		0.14	4.5	8	0.73
SF-6AP2000	1		0.25	4.5	8	0.77
SF-6AP2000	1		0.35	4.5	8	0.85
SF-6AP2000	1		0.50	4.5	8	0.88
SF-6AP2000	1		0.75	4.5	8	0.97
SF-6AP2000	1		1.00	4.5	8	1.06
SF-6AS2000		1	0.25	4.5	9	0.77
SF-6AS2000		1	0.35	4.5	9	0.85
SF-6AS2000		1	0.50	4.5	9	0.92
SF-6AS2000		1	0.75	4,5	9	1.01
SF-6AS2000		1	1.00	4.5	9	1.11
SF-6CP2000	1		0.08	4.5	8	0.69
SF-6CP2000	1		0.14	4.5	8	0.76
SF-6CP2000	1		0.25	4.5	8	0.79
SF-6CS2000		1	0.08	4.5	9	0.69
SF-6CS2000		1	0.14	4.5	9	0.76
SF-6CS2000		1	0.25	4.5	9	0.79
SF-10KP004	1		0.14	4.5	8	0.90
SF-10KP004	1		0.25	4.5	8	0.93
SF-10KP004	1		0.35	4.5	8	0.95
SF-10KP004	1		0.50	4.5	8	0.98
SF-10KS004		1	0.14	4.5	9	0.73
SF-10KS004		1	0.25	4.5	9	0.76
SF-10KS004		1	0.35	4.5	9	0.80
SF-10KS004		1	0,50	4.5	9	0.84
SF-10KS010		1	0.14	4.5	9	0.73
SF-10KS010		1	0.25	4.5	9	0.76
SF-10KS010		1	0.35	4.5	9	0.80
SF-10KS010		1	0.50	4.5	9	0.83
SF-10KS010		1	0.75	4.5	9	0.90
SF-10KS010		1	1.00	4.5	9	0.98
SF-7MP2000	2		4.00	8	7	1.67
SF-7MS2000		2	4.00	8	4	1.66

Crimp Tools for all Coninvers Crimp Contacts

Crimp settings.......

Setting matrix for machined crimp contacts
4-arbor crimping pliers with digital display SF-Z0025 (Continued)

Type No. Contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Conductor stripping length [mm]	Setting parameters Locator	Crimp arbor setting [mm]
SF-7NS2000		2	0.75	8	4	1.39
SF-7NS2000		2	1.00	8	4	1.42
SF-7NS2000		2	1.50	8	4	1.48
SF-7PP2000	2		0.14	8	7	0.75
SF-7PP2000	2		0.25	8	7	0.80
SF-7PP2000	2		0.35	8	7	0.97
SF-7PP2000	2		0.50	8	7	1.00
SF-7PP2000	2		0.75	8	7	1.10
SF-7PP2000	2		1.00	8	7	1.15
SF-7PS2000		2	0.25	8	4	0.92
SF-7PS2000		2	0.35	8	4	0.94
SF-7PS2000		2	0.50	8	4	0.96
SF-7PS2000		2	0.75	8	4	0.99
SF-7PS2000		2	1.00	8	4	1.21
SF-7QP2000	2		1.00	8	7	1.59
SF-7QP2000	2		1.50	8	7	1.64
SF-7QP2000	2		2.50	8	7	1.73
SF-7QS2000		2	1.00	8	4	1.59
SF-7QS2000		2	1.50	8	4	1.64
SF-7QS2000		2	2.50	8	4	1.73
SF-7RP2000	2		0.14	8	7	0.83
SF-7RP2000	2		0.25	8	7	0.87
SF-20KP004	2		0.75	8	7	1.39
SF-20KP004	2		1.00	8	7	1.42
SF-20KP004	2		1.50	8	7	1.48
SF-20KS010		2	0.75	8	4	1.20
SF-20KS010		2	1.00	8	4	1.30
SF-20KS010		2	1.50	8	4	1.45
SF-20KS010		2	2.50	8	4	1.65
SM-20KP005	2		0.75	8	6	1.34
SM-20KP005	2		1.00	8	6	1.42
SM-20KP005	2		1.50	8	6	1.48
SM-20KP006	2		0.25	8	6	0.87
SM-20KP006	2		0.35	8	6	1.09
SM-20KP006	2		0.50	8	6	1.12
SM-20KP006	2		0.75	8	6	1.16
SM-20KP006	2		1.00	8	6	1.21
SM-20KP007	2		1.00	8	6	1.59
SM-20KP007	2		1.50	8	6	1.64
SM-20KP007	2		2.50	8	6	1.73
SM-20KP008	2		2.50	8	6	1.52
SM-20KP008	2		4.00	8	6	1.66
SM-36KP001	3.6		0.75	12	5	1.26
SM-36KP001	3.6		1.00	7	5	1.29
SM-36KP002	3.6		1.00	12	5	1.40
SM-36KP002	3.6		1.50	7	5	1.50
SM-36KP002	3.6		2.50	7	5	1.62
SM-36KP003	3.6		4.00	12	1	2.13
SM-36KP003	3.6		6.00	12	1	2.23
SM-36KP005	3.6		1.00	10	1	1.59
SM-36KP005	3.6		1.50	10	1	1.64
SM-36KP005	3.6		2.50	10	1	1.73
SM-36KP006	3.6		2.50	10	1	1.93
SM-36KP006	3.6		4.00	10	1	2.02

B-B-05

Crimp Tools for all Coninvers Crimp Contacts

Crimp settings.......

Setting matrix for machined crimp contacts
4-arbor crimping pliers with digital display SF-Z0025 (Continued)

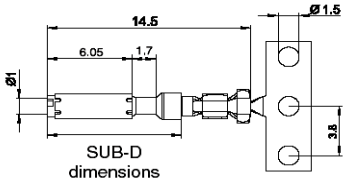| Type No. Contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Conductor stripping length [mm]	Setting parameters Locator	Crimp arbor setting [mm]
SM-36KP008	3.6		4.00	10	1	2.10
SM-36KP008	3.6		6.00	10	1	2.41
SM-36KP009	3.6		1.00	12	1	1.59
SM-36KP009	3.6		1.50	12	1	1.64
SM-36KP009	3.6		2.50	12	1	1.73
SM-36KS001		3.6	1.00	10	3	1.45
SM-36KS001		3.6	1.50	10	3	1.49
SM-36KS001		3.6	2.50	10	3	1.73
SM-36KS002		3.6	2.50	10	3	1.93
SM-36KS002		3.6	4.00	10	3	2.02
SM-36KS003		3.6	4.00	10	3	2.10
SM-36KS003		3.6	6.00	10	3	2.41
ST-20KP010	2		0.25	6	10	0.90
ST-20KP010	2		0.35	6	10	1.00
ST-20KP010	2		0.50	6	10	1.10
ST-20KP010	2		0.75	6	10	1.22
ST-20KP010	2		1.00	6	10	1.35
ST-20KS010		2	0.25	6	10	0.90
ST-20KS010		2	0.35	6	10	1.00
ST-20KS010		2	0.50	6	10	1.10
ST-20KS010		2	0.75	6	10	1.22
ST-20KS010		2	1.00	6	10	1.35
ST-20KP020	2		1.00	6	10	1.59
ST-20KP020	2		1.50	6	10	1.65
ST-20KP020	2		2.50	6	10	1.73
ST-20KS020		2	1.00	6	10	1.59
ST-20KS020		2	1.50	6	10	1.65
ST-20KS020		2	2.50	6	10	1.73

Setting matrix for machined crimp contacts
4-arbor crimping pliers with digital display SF-Z0026

Type No. Contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Conductor stripping length [mm]	Setting parameters Locator	Crimp arbor setting [mm]
SM-36KP004	3.6		6.00	12	1	2.78
SM-36KP004	3.6		10.00	12	1	3.00
SM-36KP007	3.6		6.00	10	1	2.78
SM-36KP007	3.6		10.00	10	1	3.00
SM-36KS004		3.6	6.00	10	3	2.78
SM-36KS004		3.6	10.00	10	3	3.00

Crimp Tools for all Coninvers Crimp Contacts

Picture	Description	Part Number
	The open barrel C-HC crimp contacts can be crimped quickly and efficiently by hand or automatic. The tool heads are adapted to the respective contacts and connection cross section. Manuel crimping tool (basic tool w/o head) for individual crimping of the C-HC contacts.	SF-Z0029
	Tool head for SF-Z0029 (2 mm Ø contacts)	SF-Z0030
	Tool head for SF-Z0029 (1 mm Ø contacts)	SF-Z0031
	Electrical crimping tool for C-HC contacts. This is a table crimping device for the same contacts as before, but in rolls to 500	SF-Z0032
	Tool head for SF-Z0032 2 mm Ø for AWG17	SF-Z0033
	Tool head for SF-Z0032 2 mm Ø for AWG16	SF-Z0034
	Tool head for SF-Z0032 2 mm Ø for AWG14	SF-Z0035
	Tool head for SF-Z0032 1 mm Ø for AWG 28-24	SF-Z0039
	Tool head for SF-Z0032 1 mm Ø for AWG 24-20	SF-Z0040

Crimp Tools for all Coninvers Crimp Contacts

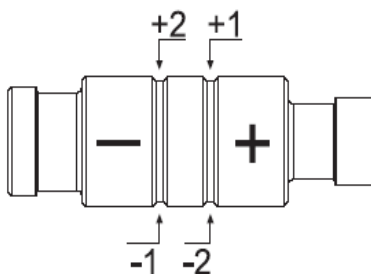| Picture	Description	Part Number
	Manual or pneumatic crimping tools are used with machined crimp contacts of the **ST connector series.** Crimping tool, pneumatic for contacts with 1 mm Ø and 2 mm Ø. AWG 26-10	SF-Z0022
	Crimping tool, manual for contacts with 1 mm Ø and 2 mm Ø. AWG 26-10	SF-Z0008
	Crimping tool, manual for contacts with 1 mm Ø AWG 28-24 with 0.6 mm Ø AWG 28-20	SF-Z0007
	Crimping head for SF-Z0022, SF-Z0008	SF-Z0003
	Crimping head for SF-Z0007	SF-Z0004
	Positioner for crimping head SF-Z0003 1 mm and 2 mm Ø marked with "G"	ST-Z0011
For more settings, see next page…..	Positioner for crimping head SF-Z0004 1 mm Ø marked with "C"	SF-Z0002
	Positioner for crimping head SF-Z0004 0.6 mm Ø marked with "H"	ST-Z0010

☞ Crimping pliers and settings for SF-Z0008 correspond to those of the Coninvers crimping pliers SF-Z0006. Settings for pneumatic crimping pliers SF-Z0022 on request.

M17 • Series ST
Crimp Settings

Settings for the manual crimping pliers SF-Z0007/SF-Z0008.

The appropriate settings must be made on the crimping tools for correct crimping of the machined crimp contacts. The crimping heads and positioners are adapted to the crimping pliers and contacts.

+2 +1

— +

-1 -2

Positioner with markings + / – for setting parameters (see table)

☞ Use of the positioner: Find the setting parameters in the table. The data corresponds to the marking +/- as well as the stop position on the positioner. Insert the + or - side into the crimping head. The indicated number describes the first (1) or the second (2) stop position. Do not fully insert the positioner into the crimping head.

Setting matrix for male crimp contacts for M17 connectors series ST

Type No. contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters Positioner	Pop-up	Cond. stripping length [mm]
ST-20KP010	2		0.25-0.5	SF-Z0008	ST-Z0011	- 1	1	6.0
ST-20KP010	2		0.75-1.0	SF-Z0008	ST-Z0011	- 1	2	6.0
ST-20KP020	2		1.0-1.5	SF-Z0008	ST-Z0011	- 1	4	6,0
ST-20KP020	2		2.5	SF-Z0008	ST-Z0011	- 1	6	6.0

Crimp Tools for all Coninvers Crimp Contacts

Crimp settings.......

Setting matrix for male crimp contacts for M17 connectors series ST

Type No. contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters Positioner	Pop-up	Cond. stripping length [mm]
SF-6AP2000	1		0.25	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-6AP2000	1		0.32-0.5	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6AP2000	1		0.75-1.0	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
SF-6CP2000	1		0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CP2000	1		0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-10KP004	1		0.14-0.25	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
SF-10KP004	1		0.5	SF-Z0008	ST-Z0011 *	+ 2	2	4.5
ST-06KP010	0.6		0.08	SF-Z0007	ST-Z0010	+ 1	3	6.0
ST-06KP010	0.6		0.14	SF-Z0007	ST-Z0010	+ 1	4	6.0
ST-06KP010	0.6		0.25	SF-Z0007	ST-Z0010	+ 1	5	6.0
ST-06KP020	0.6		0.14	SF-Z0007	ST-Z0010	+ 1	4	6.0
ST-06KP020	0.6		0.25-0.34	SF-Z0007	ST-Z0010	+ 1	5	6.0
ST-06KP030	0.6		0.34	SF-Z0007	ST-Z0010	+ 1	5	6.0
ST-06KP030	0.6		0.5	SF-Z0007	ST-Z0010	+ 1	6	6.0

☞ * Alternatively, the positioner SF-Z0011 or SF-Z0012 can also be used.

Setting matrix for female crimp contacts for for M17 connectors series ST

Type No. contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters Positioner	Pop-up	Cond. stripping length [mm]
ST-20KS010		2	0.25-0.5	SF-Z0008	ST-Z0011	- 1	1	6.0
ST-20KS010		2	0.75-1.0	SF-Z0008	ST-Z0011	- 1	2	6.0
ST-20KS020		2	1.0-1.5	SF-Z0008	ST-Z0011	- 1	4	6.0
ST-20KS020		2	2.5	SF-Z0008	ST-Z0011	- 1	6	6.0
SF-6AS2000		1	0.25	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-6AS2000		1	0.32-0.5	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6AS2000		1	0.75-1.0	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
SF-6CS2000		1	0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CS2000		1	0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-10KS004		1	0.14-0.25	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
SF-10KS004		1	0.5	SF-Z0008	ST-Z0011 *	+ 2	2	4.5
SF-10KS010		1	0.14	SF-Z0007	SF-Z0002	fixed	4	4.5
SF-10KS010		1	0.25-0.5	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-10KS010		1	0.75-1.0	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-10KS010		1	0.5-1.0	SF-Z0008	ST-Z0011 *	+ 2	1	4.5
ST-06KS010		0.6	0.08	SF-Z0007	ST-Z0010	- 1	3	6.0
ST-06KS010		0.6	0.14	SF-Z0007	ST-Z0010	- 1	4	6.0
ST-06KS010		0.6	0.25	SF-Z0007	ST-Z0010	- 1	5	6.0
ST-06KS020		0.6	0.14	SF-Z0007	ST-Z0010	- 1	4	6.0
ST-06KS020		0.6	0.25-0.34	SF-Z0007	ST-Z0010	- 1	5	6.0
ST-06KS030		0.6	0.34	SF-Z0007	ST-Z0010	- 1	5	6.0
ST-06KS030		0.6	0.5	SF-Z0007	ST-Z0010	- 1	6	6.0

☞ * Alternatively, the positioner SF-Z0012 can also be used.

Crim Tools for all Coninvers Crimp Contacts

Picture	Description	Part Number
	Manual or pneumatic crimping tools are used with machined crimp contacts of the **RF connector series.** Crimping tool, pneumatic for contacts with 1 mm Ø and 2 mm Ø. AWG 26-10	**SF-Z0022**
	Crimping tool, manual for contacts with 1 mm Ø and 2 mm Ø. AWG 26-10	**SF-Z0008**
	Crimping tool, manual for contacts with 1 mm Ø AWG 28-24 with 0.6 mm Ø AWG 28-20	**SF-Z0007**
	Crimping head for SF-Z0022, SF-Z0008	**SF-Z0003**
	Crimping head for SF-Z0007	**SF-Z0004**
	Positioner for crimping head SF-Z0003 1 mm Ø marked with "E"	**SF-Z0012**
	Positioner for crimping head SF-Z0004 1 mm Ø marked with "C"	**SF-Z0002**

Settings please see next page…..

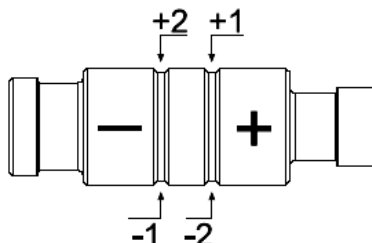# Crimp Tools for all Coninvers Crimp Contacts

Crimp settings.......

M23 • Series RF
Crimp Settings

Settings for the manual crimping pliers SF-Z0007/SF-Z0008.

The appropriate settings must be made on the crimping tools for correct crimping of the machined crimp contacts. The crimping heads and positioners are adapted to the crimping pliers and contacts.

+2 +1

– +

-1 -2

Positioner with markings + / – for setting parameters (see table)

☞ **Use of the positioner:** Find the setting parameters in the table. The data corresponds to the marking +/- as well as the stop position on the positioner. Insert the + or - side into the crimping head. The indicated number describes the first (1) or the second (2) stop position. Do not fully insert the positioner into the crimping head.

Setting matrix for male crimp contacts for M23 connectors series RF

Type No. contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters Positioner	Pop-up	Conductor stripping length [mm]
SF-6AP2000	1		0.25	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-6AP2000	1		0.32-0.5	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6AP2000	1		0.75-1.0	SF-Z0008	SF-Z0012 *	+ 2	1	4.5
SF-6CP2000	1		0.08-0.14	SF-Z0007	SF-Z0002 *	fixed	6	4.5
SF-6CP2000	1		0.22-0.25	SF-Z0007	SF-Z0002 *	fixed	7	4.5
SF-10KP004	1		0.14-0.25	SF-Z0008	SF-Z0012 *	+ 2	1	4.5
SF-10KP004	1		0.5	SF-Z0008	SF-Z0012 *	+ 2	2	4.5
SF-6DP2000	1		0.5-0.75	SF-Z0008	SF-Z0012 *	+ 2	1	4.5
SF-6DP2000	1		1.0	SF-Z0008	SF-Z0012 *	+ 2	2	4.5
SF-6DP2000	1		1.5	SF-Z0008	SF-Z0012 *	+ 1	2	4.5

☞ * Alternatively, the positioner SF-Z0011 can also be used.

Setting matrix for female crimp contacts for for M23 connectors series RF

Type No. contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters Positioner	Pop-up	Conductor stripping length [mm]
SF-6AS2000		1	0.25	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-6AS2000		1	0.32-0.5	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6AS2000		1	0.75-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6CS2000		1	0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CS2000		1	0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-6FS2000		1	0.5-0.75	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6FS2000		1	1.0	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-6FS2000		1	1.5	SF-Z0008	SF-Z0012	+ 1	2	4.5
SF-10KS004		1	0.14-0.25	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-10KS004		1	0.5	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-10KS010		1	0.14	SF-Z0007	SF-Z0002	fixed	4	4.5
SF-10KS010		1	0.25-0.5	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-10KS010		1	0.75-1.0	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-10KS010		1	0.5-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5

Crimp Tools for all Coninvers Crimp Contacts

Picture	Description	Part Number
	Manual or pneumatic crimping tools are used with machined crimp contacts of the **SF/SM connector series.** Crimping tool, pneumatic for contacts with 1 mm Ø and 2 mm Ø and 3.6 mm Ø AWG 26-10	SF-Z0022
	Crimping tool, pneumatic for contacts 3.6 mm Ø AWG 10-8	SF-Z0014
	Crimping tool, manual for contacts with 2 mm Ø and 3.6 mm Ø. AWG 26-10	SF-Z0008
	Crimping tool, manual for contacts with 1 mm Ø AWG 28-24	SF-Z0007
	Crimping tool, manual for contacts with 3.6 mm Ø AWG 10-8	SF-Z0009
	crimping head for SF-Z0022, SF-Z0008, SF-Z0009, SF-Z0008	SF-Z0003
	crimping head for SF-Z0007	SF-Z0004
	Positioner for panel mount contacts except SF-Z0007 Marked with "D" SF/SM-contacts	SF-Z0011
	Positioner for cable connector contacts except SF-Z0007 Marked with "E" SF-contacts	SF-Z0012
	Positioner for cable connector contacts except SF-Z0007 Marked with "F" SM-contacts	SF-Z0013
	Positioner for crimping tool SF-Z0007 1mm contacts, SF series, Marked with "C"	SF-Z0002

See next page for settings……

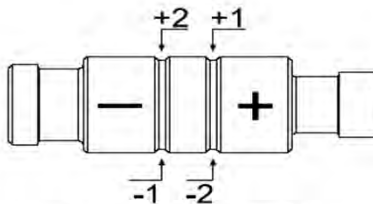# Crimp Tools for all Coninvers Crimp Contacts

Crimp settings.......

ConPower P30 Crimp Settings

Settings for the manual crimping pliers SF-Z0007/SF-Z0008.

The appropriate settings must be made on the crimping tools for correct crimping of the machined crimp contacts.
Find the values for panel mounting connectors with knurled nut in the table for cable connectors.

+2 +1

−1 −2

Positioner with markings + / −
for setting parameters (see table)

☞ Use of the positioner: Find the setting parameters in the table. The data corresponds to the marking +/- as well as the stop position on the positioner. Insert the + or - side into the crimping head. The indicated number describes the first (1) or the second (2) stop position. Do not fully insert the positioner into the crimping head.

Setting matrix for crimp contacts, male, for P30 panel mounting connectors / receptacles

Type No. contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters Positioner	Pop-up	Conductor stripping length [mm]
SF-6AP2000	1		0.25-1.0	SF-Z0008	SF-Z0011	+ 2	1	4.5
SF-6CP2000	1		0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CP2000	1		0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-10KP004	1		0.14-0.25	SF-Z0008	SF-Z0011	+ 2	1	4.5
SF-10KP004	1		0.5	SF-Z0008	SF-Z0011	+ 2	2	4.5
SF-6DP2000	1		0.5-0.75	SF-Z0008	SF-Z0011	+ 2	1	4.5
SF-6DP2000	1		1.0	SF-Z0008	SF-Z0011	+ 2	2	4.5
SF-6DP2000	1		1.5	SF-Z0008	SF-Z0011	+ 1	2	4.5
SF-7MP2000	2		4.0	SF-Z0008	SF-Z0011	+ 1	4	8
SF-7PP2000	2		0.25-0.5	SF-Z0008	SF-Z0011	+ 1	1	8
SF-7PP2000	2		0.75-1.0	SF-Z0008	SF-Z0011	+ 1	2	8
SF-7QP2000	2		1.0-1.5	SF-Z0008	SF-Z0011	+ 1	4	8
SF-7QP2000	2		2.5	SF-Z0008	SF-Z0011	+ 1	6	8
SF-7RP2000	2		0.14-0.25	SF-Z0008	SF-Z0011	+ 1	1	8
SF-20KP004	2		0.75-1.5	SF-Z0008	SF-Z0011	+ 1	3	8

Setting matrix for crimp contacts, male/female, for P30 cable connecting receptacles and cable connectors

Type No. contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters Positioner	Pop-up	Conductor stripping length [mm]
SF-6AP2000	1		0.25-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6AS2000		1	0.25-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6CP2000	1		0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CP2000	1		0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-10KP004	1		0.14-0.25	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-10KP004	1		0.5	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-6DP2000	1		0.5-0.75	SF-Z0008	SF-Z0011	+ 2	1	4.5
SF-6DP2000	1		1.0	SF-Z0008	SF-Z0011	+ 2	2	4.5
SF-6DP2000	1		1.5	SF-Z0008	SF-Z0011	+ 1	2	4.5
SF-6CS2000		1	0.08-0.14	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-6CS2000		1	0.22-0.25	SF-Z0007	SF-Z0002	fixed	7	4.5
SF-6FS2000		1	0.5-0.75	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-6FS2000		1	1.0	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-6FS2000		1	1.5	SF-Z0008	SF-Z0012	+ 1	2	4.5
SF-10KS004		1	0.14-0.25	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-10KS004		1	0.5	SF-Z0008	SF-Z0012	+ 2	2	4.5
SF-10KS010		1	0.14	SF-Z0007	SF-Z0002	fixed	4	4.5
SF-10KS010		1	0.25-0.5	SF-Z0007	SF-Z0002	fixed	5	4.5
SF-10KS010		1	0.75-1.0	SF-Z0007	SF-Z0002	fixed	6	4.5
SF-10KS010		1	0.5-1.0	SF-Z0008	SF-Z0012	+ 2	1	4.5
SF-7MP2000	2		4.0	SF-Z0008	SF-Z0012	- 2	4	8
SF-7MS2000		2	4.0	SF-Z0008	SF-Z0012	- 2	4	8
SF-7NS2000		2	0.75-1.5	SF-Z0008	SF-Z0012	- 2	3	8
SF-7PP2000	2		0.25-0.5	SF-Z0008	SF-Z0012	- 2	1	8
SF-7PP2000	2		0.75-1.0	SF-Z0008	SF-Z0012	- 2	2	8
SF-7PS2000		2	0.25-0.5	SF-Z0008	SF-Z0012	- 2	1	8
SF-7PS2000		2	0.75-1.0	SF-Z0008	SF-Z0012	- 2	2	8
SF-7QP2000	2		1.0-.5	SF-Z0008	SF-Z0012	- 2	4	8
SF-7QP2000	2		2.5	SF-Z0008	SF-Z0012	- 2	6	8
SF-7QS2000		2	1.0-1.5	SF-Z0008	SF-Z0012	- 2	4	8
SF-7QS2000		2	2.5	SF-Z0008	SF-Z0012	- 2	6	8
SF-20KP004	2		0.75-1.5	SF-Z0008	SF-Z0012	- 2	3	8
SF-20KS010		2	0.75-1.0	SF-Z0008	SF-Z0012	- 2	3	8
SF-20KS010		2	1.5	SF-Z0008	SF-Z0012	- 2	4	8
SF-20KS010		2	2.5	SF-Z0008	SF-Z0012	- 2	5	8
SF-7RP2000	2		0.14-0.25	SF-Z0008	SF-Z0012	- 2	1	8

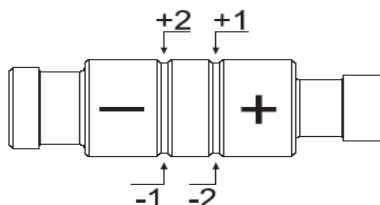# Crimp Tools for all Coninvers Crimp Contacts

Crimp settings.......

ConPower P70 Crimp Settings

Settings for the manual crimping pliers SF-Z0008/SF-Z0009.

The appropriate settings must be made on the crimping tools for correct crimping of the machined crimp contacts.
Find the values for panel mounting connectors with knurled nut in the table for cable connectors.

Positioner with markings + / −
for setting parameters (see table)

☞ **Use of the positioner:** Find the setting parameters in the table. The data corresponds to the marking +/- as well as the stop position on the positioner. Insert the + or - side into the crimping head. The indicated number describes the first (1) or the second (2) stop position. Do not fully insert the positioner into the crimping head.

Setting matrix for crimp contacts, male, for P70 panel mounting connectors / receptacles

Type No. contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters Positioner	Pop-up	Conductor stripping length [mm]
SF-7MP2000	2		4.0	SF-Z0008	SF-Z0011	+ 1	4	8
SF-7PP2000	2		0.25-0.5	SF-Z0008	SF-Z0011	+ 1	1	8
SF-7PP2000	2		0.75-1.0	SF-Z0008	SF-Z0011	+ 1	2	8
SF-7QP2000	2		1.0-1.5	SF-Z0008	SF-Z0011	+ 1	4	8
SF-7QP2000	2		2.5	SF-Z0008	SF-Z0011	+ 1	6	8
SF-7RP2000	2		0.14-0.25	SF-Z0008	SF-Z0011	+ 1	1	8
SM-20KP004	2		0.75-1.5	SF-Z0008	SF-Z0011	+ 1	3	8
SM-36KP001	3.6		0.75	SF-Z0008	SF-Z0011	- 2	2	12
SM-36KP001	3.6		1.0	SF-Z0008	SF-Z0011	- 1	3	7
SM-36KP001	3.6		1.5	SF-Z0008	SF-Z0011	- 1	4	7
SM-36KP002	3.6		1.0-1.5	SF-Z0008	SF-Z0011	- 2	4	12
SM-36KP002	3.6		2.5	SF-Z0008	SF-Z0011	- 1	5	7
SM-36KP002	3.6		4.0	SF-Z0008	SF-Z0011	- 1	6	7
SM-36KP003	3.6		4.0	SF-Z0008	SF-Z0011	- 1	7	12
SM-36KP003	3.6		6.0	SF-Z0008	SF-Z0011	- 1	8	12
SM-36KP004	3.6		6.0-10	SF-Z0009	SF-Z0011	- 1	8	12
SM-36KP009	3.6		1.0	SF-Z0008	SF-Z0011	- 1	4	12
SM-36KP009	3.6		1.5	SF-Z0008	SF-Z0011	- 1	4	12
SM-36KP009	3.6		2.5	SF-Z0008	SF-Z0011	- 1	6	12

Setting matrix for crimp contacts, male/female, for P70 cable connecting receptacles and cable connectors

Type No. contact	Plug-in Ø [mm] Male	Female	Cross section [mm²]	Type No. Crimping pliers	Type No. Positioner	Setting parameters Positioner	Pop-up	Conductor stripping length [mm]
SF-7MS2000		2	4.0	SF-Z0008	SF-Z0013	+ 2	4	8
SF-7NS2000		2	0.75-1.5	SF-Z0008	SF-Z0013	+ 2	3	8
SF-7PS2000		2	0.25-0.5	SF-Z0008	SF-Z0013	+ 2	1	8
SF-7PS2000		2	0.75-1.0	SF-Z0008	SF-Z0013	+ 2	2	8
SF-7QS2000		2	1.0-1.5	SF-Z0008	SF-Z0013	+ 2	4	8
SF-7QS2000		2	2.5	SF-Z0008	SF-Z0013	+ 2	6	8
SM-20KP005	2		0.75-1.5	SF-Z0008	SF-Z0013	+ 2	2	8
SM-20KP006	2		0.25-0.5	SF-Z0008	SF-Z0013	+ 2	1	8
SM-20KP006	2		0.75-1.0	SF-Z0008	SF-Z0013	+ 2	2	8
SM-20KP007	2		1.0-1.5	SF-Z0008	SF-Z0013	+ 2	4	8
SM-20KP007	2		2.5	SF-Z0008	SF-Z0013	+ 2	6	8
SM-20KP008	2		2.5-4.0	SF-Z0008	SF-Z0013	+ 2	4	8
SM-36KP005	3.6		1.0-1.5	SF-Z0008	SF-Z0013	- 2	4	10
SM-36KP005	3.6		2.5	SF-Z0008	SF-Z0013	- 2	6	10
SM-36KP006	3.6		2.5	SF-Z0008	SF-Z0013	- 2	5	10
SM-36KP006	3.6		4.0	SF-Z0008	SF-Z0013	- 2	6	10
SM-36KP007	3.6		6.0-10.0	SF-Z0009	SF-Z0013	- 2	8	10
SM-36KP008	3.6		4.0	SF-Z0008	SF-Z0013	- 2	7	10
SM-36KP008	3.6		6.0	SF-Z0008	SF-Z0013	- 2	8	10
SM-36KS001		3.6	1.0-1.5	SF-Z0008	SF-Z0013	- 2	4	10
SM-36KS001		3.6	2.5	SF-Z0008	SF-Z0013	- 2	6	10
SM-36KS002		3.6	2.5	SF-Z0008	SF-Z0013	- 2	5	10
SM-36KS002		3.6	4.0	SF-Z0008	SF-Z0013	- 2	6	10
SM-36KS003		3.6	4.0	SF-Z0008	SF-Z0013	- 2	7	10
SM-36KS003		3.6	6.0	SF-Z0008	SF-Z0013	- 2	8	10
SM-36KS004		3.6	6.0-10.0	SF-Z0009	SF-Z0013	- 2	8	10

B-B-14

Crimp Tools for all Coninvers Crimp Contacts

Picture	Description	Part Number
	Manual crimping tool for machined crimp contacts 10 mm Ø of the series SL AWG 8-1 Power and PE contacts Tool without crimping stamp	**SL-Z0001**
	Crimping stamp for SL-Z0001 for contacts AWG8	**SL-Z0002**
	Crimping stamp for SL-Z0001 for contacts AWG6-2	**SL-Z0003**
	Crimping stamp for SL-Z0001 for contacts AWG4-1	**SL-Z0004**
	For Signal Contacts please use our Crimp tool SF-Z0025 See details on page B-B-03	

Setting matrix for machined crimp contacts Ø 1.6 mm, signal contacts
ConPower P150, 4-arbor crimping pliers with digital display SF-Z0025

Type No. Contact	Plug-in Ø [mm]		Cross section [mm²]	Conductor stripping length [mm]	Setting parameters	
	Male	Female			Locator	Crimp arbor setting [mm]
SL-16KS010		1.6	0.75	7	11	1.39
SL-16KS010		1.6	1.00	7	11	1.42
SL-16KS010		1.6	1.50	7	11	1.48
SL-16KP010	1.6		0.75	7	11	1.39
SL-16KP010	1.6		1.00	7	11	1.42
SL-16KP010	1.6		1.50	7	11	1.48

Setting matrix for machined crimp contacts Ø 10 mm, power and PE contacts
ConPower P150, crimping pliers SL-Z0001

Type No. Contact	Plug-in Ø [mm]		Cross section [mm²]	Conductor stripping length [mm]	Crimping stamp Number
	Male	Female			
SL-1CKS010		10	10	13.8	8
SL-1CKS020		10	16	13.8	9
SL-1CKS030		10	25	16.8	11
SL-1CKS040		10	35	18.5	13
SL-1CKS050		10	50	18.0	14.5
SL-1CKP010	10		10	13.8	8
SL-1CKP020	10		16	13.8	9
SL-1CKP030	10		25	16.8	11
SL-1CKP040	10		35	18.5	13
SL-1CKP050	10		50	18.0	14.5