Telegärtner

SafeCrimp NxG Series

POWERFUL. ERGONOMIC. SAFE.

- Automotive
- Medical technology
- Automation technology

SafeCrimp NxG – the right model for every crimping problem

SAFE & STRONG – WHAT THE SAFE-CRIMP IS CAPABLE OF

1. Smart safety function

The crimping presses developed by the Telegärtner Group offer an innovative, mechanical safety system. It enables safe handling with both hands during the crimping process and ensures maximum safety. As soon as a foreign object, such as a finger, enters the working area, the system locks automatically and minimises the force acting on the foreign object. Injuries are therefore ruled out.

– Certified by TÜV Product Service
– Innovative mechanical safety feature
  – Two-handed positioning and holding of the crimping material during the crimping process
  – Efficient working without additional safety devices
  – No need for complex sensors
  – Safety guaranteed even in the event of a power failure

Our press technology offers an optimised process that ensures maximum efficiency and safety through the combination of movement stroke and power stroke.

Movement stroke
In this phase, only a low force is developed, which is safe for the operator and the workpiece. The process is stopped immediately if an obstacle is detected.

Power stroke
The full crimping force for the crimping process is developed in this phase. The dwell time of the crimping die can be flexibly adjusted using the setup settings to achieve optimum results.

Benefits at a glance:

– **Safety**: Low force in the movement stroke protects against damage and accidents.
– **Efficiency**: Full pressing force only in the power stroke, which enables precise and effective pressing.
– **Flexibility**: Adjustable dwell time of the ram for optimum material processing

2. Monitor output

Thanks to the integrated screen display, you always have the entire crimping process in sight. All relevant information and results are clearly displayed, which makes checking and analysing the results easier.

3. Crimp force monitoring (PRO version)

In the Pro version, you benefit from extended quality monitoring features. This technology monitors every crimping process precisely and recognises errors at an early stage. You can read more about this in the presentation of the Pro version.

4. Ergonomics through tilt adjustment

The SafeCrimp press offers an individually adjustable tilt that allows the working position to be optimally adapted to the size and needs of the user. With an adjustable tilt angle from 0° to 15°, you can always work comfortably and ergonomically. This flexibility promotes a comfortable posture while increasing work efficiency and satisfaction.

ERGONOMIC TILT ADJUSTMENT

SAFECRIMP NXG – AN OVERVIEW

Technical data	SafeCrimp NxG 10	SafeCrimp NxG 10 Pro
Order number	100127091	100127092
Pressing force	10 kN	10 kN
Power stroke	0.2 – 4 mm	0.2 – 4 mm
Cable diameter	0.14 mm² - 4 mm²	0.14 mm² - 4 mm²
Measurement (HxWxD)	600 x 200 x 330 mm	600 x 200 x 330 mm
Weight	approx. 37 kg	approx. 37 kg
Electrical connection	100-240 VAC, 50-60 Hz, 10 VA	100-240 VAC, 50-60 Hz, 10 VA
Connection pressure	> 6.5 – 8 bar	> 6.5 – 8 bar
Continuous sound level	below 70 dB	below 70 dB
Ergonomic tilt adjustment	0° – 15°	0° – 15°
Crimp force monitoring	-	yes
Application examples	wire end ferrules, inner conductor coax, …	

The Fast One

Speed

Cable diameter

Power

10 kN

SafeCrimp NxG 15	SafeCrimp NxG 15 Pro
100127093	100127094
15 kN	15 kN
0,2 – 5 mm	0.2 – 5 mm
0.14 mm² - 6 mm²	0.14 mm² - 6 mm²
620 x 200 x 330 mm	620 x 200 x 330 mm
approx. 40 kg	approx. 40 kg
100-240 VAC, 50-60 Hz, 10 VA	100-240 VAC, 50-60 Hz, 10 VA
> 6.5 – 8 bar	> 6.5 – 8 bar
approx. 70 dB	below 70 dB
0° – 15°	0° – 15°
-	yes
coax connector, crimp cable lugs, ...	

SafeCrimp NxG 40	SafeCrimp NxG 40 Pro
100127095	100127096
40 kN	40 kN
0.2 – 6 mm	0.2 – 6 mm
0.14 mm² - 35 mm²	0.14 mm² - 35 mm²
800 x 280 x 450 mm	800 x 280 x 450 mm
approx. 88 kg	approx. 88 kg
100-240 VAC, 50-60 Hz, 10 VA	100-240 VAC, 50-60 Hz, 10 VA
> 6.5 – 8 bar	> 6.5 – 8 bar
belo 70 dB	below 70 dB
0° – 15°	0° – 15°
-	yes
tubular cable lugs, tubular connectors, ...	

The Allrounder

Speed

Cable diameter

Power

15 kN

The Strong One

Speed

Cable diameter

Power

40 kN

THE PRO OF THE SAFECRIMP – MAXIMUM CONTROL DUE TO INTEGRATED FORCE MONITORING

Maximum precision for perfect crimp results

The SafeCrimp NxG PRO sets new standards in quality monitoring with its high-precision crimp force and travel monitoring technology. With this advanced solution, every single crimping process is closely monitored, and errors are recognised quickly.

Why is crimp force monitoring important?

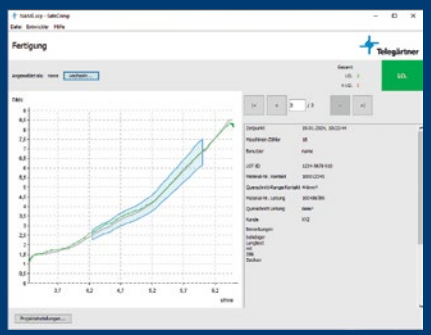
Crimp force monitoring ensures that each crimping process corresponds exactly to the specified parameters. A crimp that is too weak or too strong can affect the quality and durability of the product. The SafeCrimp NxG PRO recognises such deviations immediately and stops the process before further errors can occur.

How does crimp force monitoring work?

- **Precise measuremet:** During the crimping cycle, pairs of force and displacement values are recorded at short intervals and sent to the measuring software on the computer.
- **Real-time evaluation:** The Safe Crimp software compares the current crimp curve with a previously defined envelope curve and evaluates the crimping process.
- **Error detection:** In the event of deviations, the process is stopped immediately, and the system issues a clear error message.

Simple application

- **Software solution:** Telegärtner's measurement and management software is simply installed on the customer's own computer. The connection is made via a USB-C interface.
- **Visual Feedback:** If an error is detected, the ring light illuminates red, and the next crimping process can only be started after the error has been confirmed.



OK

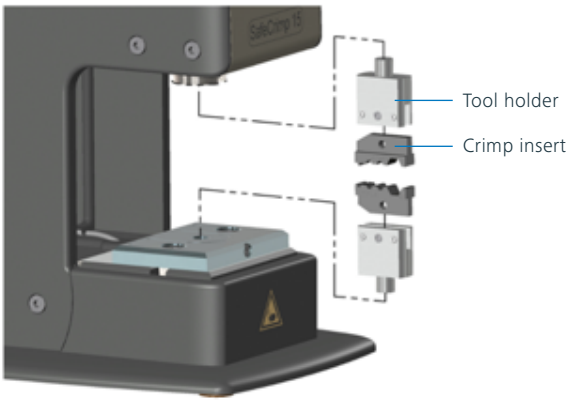
Not OK

Your advantage:
The crimp force monitoring of the Safe Crimp NxG PRO ensures maximum process reliability and ensures that no errors go unnoticed. This guarantees perfect crimping results - every time.

ORDER OVERVIEW

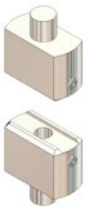
SafeCrimp NxG Models

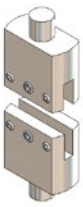
SafeCrimp NxG	
100127091	SafeCrimp NxG 10
100127092	SafeCrimp NxG 10 PRO
100127093	SafeCrimp NxG 15
100127094	SafeCrimp NxG 15 PRO
100127095	SafeCrimp NxG 40
100127096	SafeCrimp NxG 40 PRO



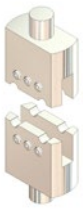
Accessories

Selection of tool holders





Suitable for all Telegärtner crimping inserts



100109569	100025931	100111143	100110127
Tool holder 4	Tool holder 17	Tool holder 18	Tool holder G1
	for SafeCrimp NxG 10 (Pro) and SafeCrimp NxG 15 (Pro)		SafeCrimp NxG 40 (Pro)

We have numerous tool holders for crimping dies from other manufacturers (such as Rennsteig, Huber-Suhner, WEZAG, AMP etc.). Do not hesitate to contact for further information.

Selection of Telegärtner crimping inserts, compatible with tool holder 17

100025881	100025888	100025939	100025870
CrimpIns XM 0.80/1.69/2.67 Cable group: G3	CrimpIns XM 3.25x3.5/10.9x10 Cable group: G37, G55	FO-Tools crimp tool ST	FO-Acc crimp insert

Individual accessories and customised solutions

Additional accessories and customised developments are available on request at any time. Let us work together to find the right solution for your requirements.

Telegärtner

Telegärtner
Karl Gärtner GmbH

Lerchenstr. 35
D-71144 Steinenbronn

Tel. +49 71 57/1 25-0
Fax +49 71 57/1 25-5120

info@telegaertner.com
www.telegaertner.com

100132421