

DigiCrimp®

The Intelligent 4/8 Indent Crimping Tool
for Processing Turned Contacts

patented



The Digital 4/8 Indent Crimp Revolution

Digital - easy set up, easy read out

The multifunctional, digital display allows the user to differentiate between numerous settings. Depending on the desired application, the depth adjustment of the crimping indents can be set to mm, inch or according to selector stages of MIL-standard M22520/x in an exact manner. Changes are immediately displayed highly visible and legible.

Intelligent - more than just a digital display

The true advantage of this crimping tool lies in the integrated, electronic control. The DigiCrimp features a patented wear-forecast-function and can be recalibrated.

What does that mean?

Any crimping tool is exposed to a certain mechanical wear and tear during usage, whereby the compression of the crimp decreases with the age of the tool (Fig. 1 right). Even if the crimp falls within the tolerance range, the crimp cross section may not be optimal (Fig. „suboptimal crimp connections“)

Unlike the DigiCrimp:

The integrated software prompts the user to recalibrate from time to time. The real wear is detected and is simultaneously compensated for.



During the process of recalibration the distance of the crimping indents is set back to the „factory setting“.

The outcome is that almost constant crimping results will be achieved during the life of the DigiCrimp. Therefore the wear has no impact on the crimping results; an optimal crimp will be achieved.

This innovative system allows the user to conduct the recalibration himself. Cost and time for the maintenance of the tool is therefore marginal.

Great Precision - Perfect crimping results during the entire life of the tool

Through the stageless adjustment, the DigiCrimp offers countless setting options. The DigiCrimp has 12 adjustment options (Fig. 2 right) within one selector setting.

Consequently an optimal setting can be selected for any type of combination of cable and terminal to achieve an air-tight crimp connection over the life of the tool.

The settings for new cable and terminal combination can be adjusted easily. Even the trend towards smaller cable cross sections due to an optimization of the conductance value is covered with this tool.

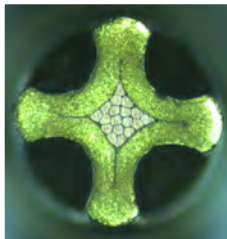


Innovative

The company was honored with the 2014 Innovation Award Thuringia in the category „Tradition & Future“ for the intelligent tool „DigiCrimp - The Digital 4/8-Indent Crimping Tool with Integrated Wearout-Monitoring Function.“

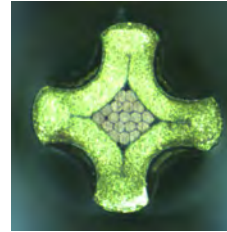


Through a stageless adjustment an optimal crimp result is guaranteed.



Optimal Crimp Connection

Indenter Setting .65mm;
Cable Cross Section AWG 26
(corresponds to the lower range of selector setting 4 according to M22520/7)



Suboptimal Crimp Connection

Indenter Setting .76 mm;
Cable Cross Section AWG 26
(corresponds to the upper range of selector setting 4 according to M22520/7)

Wear Behaviour

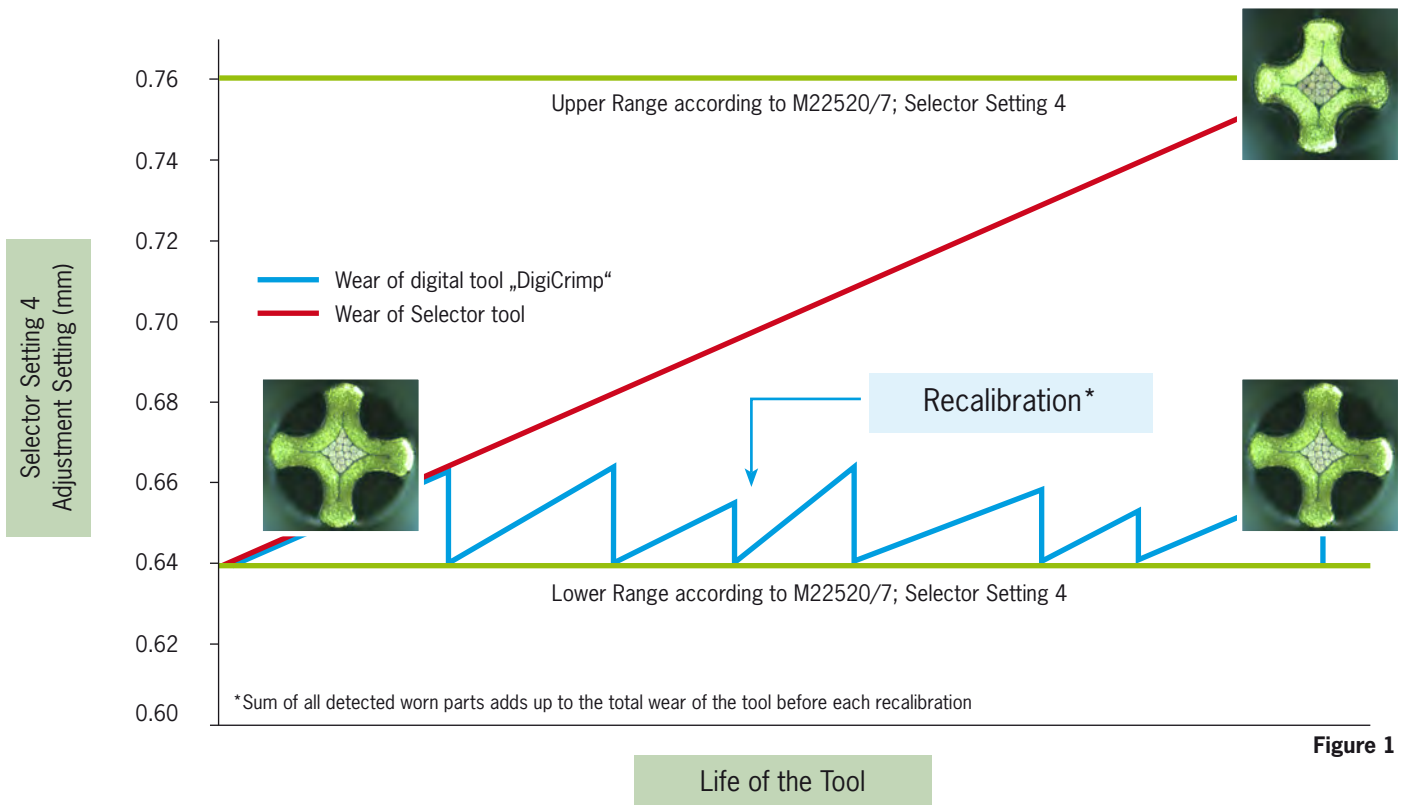


Figure 1

Adjustment Possibilities of the Indenters




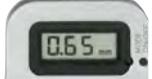



Adjustment Setting															Selector acc. to M22520/7	Digital
Selector Setting 4 (0.64mm - 0.76mm)														Selector		
.025		.026		.027		.028		.029						Inch	—	
0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.76	mm	—		

Figure 2






A presentation of the functionality and calibration of the tool can be found under <https://www.youtube.com/RennsteigWerkzeuge>.

Product	Item Number	Model	Capacity		max. Ø Diameter of contact mm	Locator Type	Picture		
			mm²	AWG					
INDUSTRY	8.72	8723 0000 61	0,08–2,5	28–13	5	01 07 18			
		8723 0101 61						DigiCrimp in Case with Standard Locator (Type 1)	
	8.73	8733 0000 61	0,03–0,5	32–20	5				
		8733 0101 61						DigiCrimp in Case with Standard Locator (Type 1)	
	8.75	8753 0000 61	0,14–6,0	26–10	7,5			04 08 17	
		8753 0401 61							
8.76	8763 0000 61	1,5–10,0	15–7	8					
	8763 0401 61				DigiCrimp in Case with Standard Locator (Type 4)				

4/8-Indent tools with an indenter geometry according to M22520 and adapter rings for adapting to the original locator according to M22520.

AVIATION	8.72 according to M 22520/7-01	8726 0000 61	DigiCrimp „MIL“ in Case	0,08–2,5	28–13	4,0	09 14	
	8.73 according to M 22520/2-01	8736 0000 61	DigiCrimp „MIL“ in Case	0,03–0,5	32–20	3,6	12 15	
	8.75 according to M 22520/1-01	8756 0000 61	DigiCrimp „MIL“ in Case	0,14–6,0	26–10	5,5	11	

Customer-specific locators for different connector systems are available upon request. The locators differ in type depending on the application.

Locator Type							
01	04	18	17	07	08	09	12
				14/15 are similar	11 is similar		
							

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