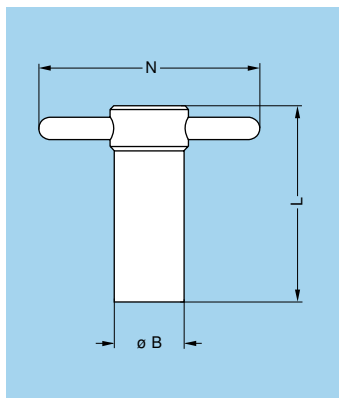


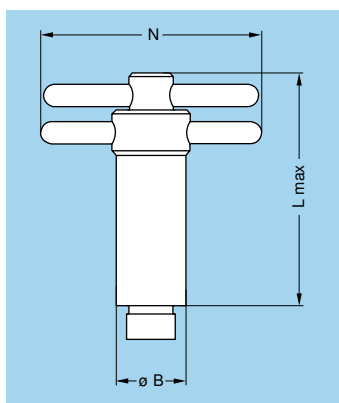
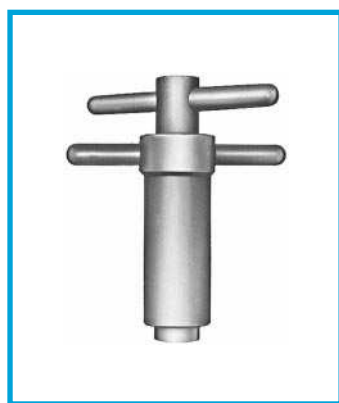
Tooling



DCG Spanners for hexagonal nuts

Part number	Dimensions (mm)			Part number of the nut
	B	L	N	
DCG.91.149.0TN	14	40	50	GEA.00.240.LN
DCG.91.161.1TN	16	45	52	GEA.0S.240.LN
DCG.91.201.4TN	20	52	65	GEA.1S.240.LN
DCG.91.231.7TN	23	62	68	GEA.2S.240.LN
DCG.91.282.2TN	28	76	73	GEA.3S.240.LN

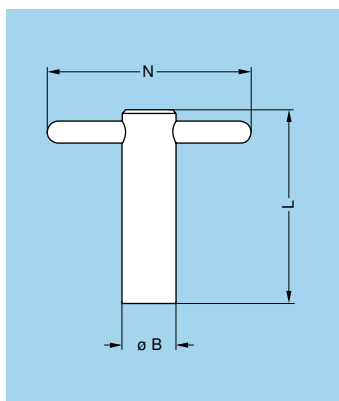
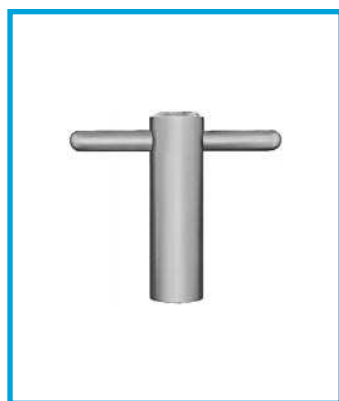
- Material: blackened steel



DCA Spanners for hexagonal nuts with locator for flats on socket thread

Part number	Dimensions (mm)			Part number of the nut
	B	L	N	
DCA.91.149.0TN	14	65	50	GEA.00.240.LN
DCA.91.161.1TN	16	73	52	GEA.0S.240.LN
DCA.91.201.4TN	20	85	65	GEA.1S.240.LN
DCA.91.231.7TN	23	100	68	GEA.2S.240.LN
DCA.91.282.2TN	28	120	73	GEA.3S.240.LN

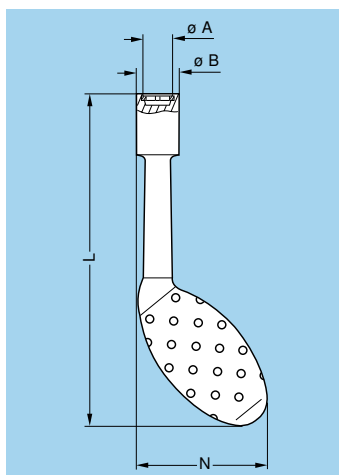
- Material: blackened steel



DCB Spanners for round nuts

Part number	Dimensions (mm)			Part number of the nut
	B	L	N	
DCB.91.119.0TN	11	40	50	GEB.00.240.LN
DCB.91.131.1TN	13	45	50	GEB.0S.240.LN
DCB.91.161.4TN	16	52	65	GEB.1S.240.LN
DCB.91.201.8TN	20	62	65	GEB.2S.240.LN
DCB.91.242.2TN	24	76	70	GEB.3S.240.LN

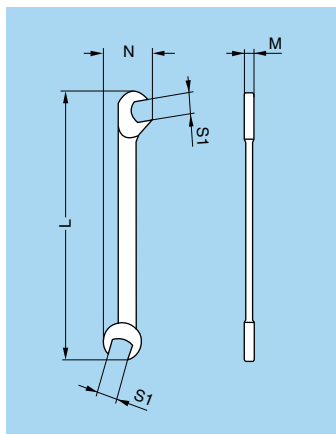
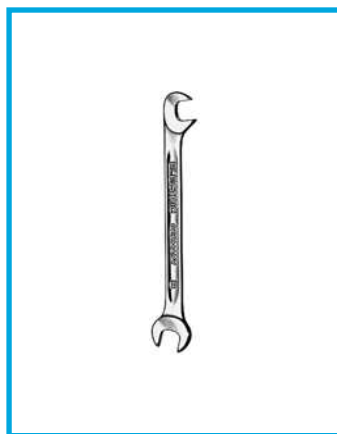
- Material: blackened steel



DCH Spanners for conical nut

Part number	Dimensions (mm)				Part number of the nut
	A	B	L	N	
DCH.91.101.PN	10.1	12.8	124	48.3	GEC.00.240.LC
DCH.91.121.PN	12.1	14.8	124	49.3	GEC.0S.240.LC
DCH.91.161.PN	16.1	21.0	124	51.9	GEC.1S.240.LC
DCH.91.201.PN	20.1	22.8	129	53.5	GEC.2S.240.LC

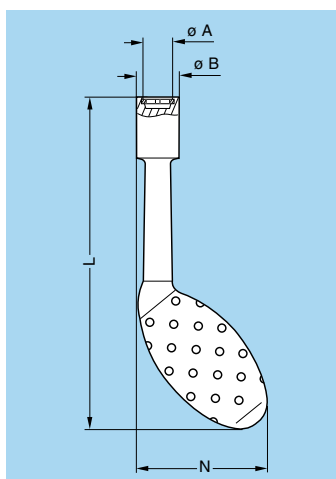
- Material: dark grey polyurethane



DCP Flat spanners for collet nut

Part number	Dimensions (mm)			
	L	M	N	S1
DCP.99.040.TC	70	0.95	10.5	4.0
DCP.99.045.TC	70	2.00	10.5	4.5
DCP.99.050.TC	78	2.00	12.6	5.0
DCP.99.055.TC	78	2.00	12.6	5.5
DCP.99.060.TC	78	2.00	12.6	6.0

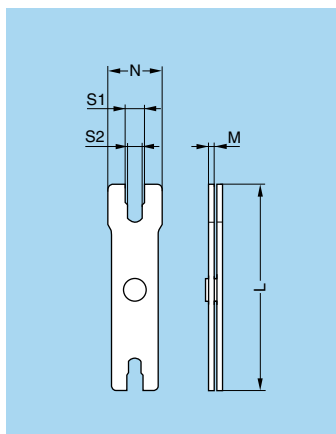
- Material: chrome-plated steel



DCH Spanners for notched nuts

Part number	Dimensions (mm)				Part number of the nut
	A	B	L	N	
DCH.91.101.PA	10.1	12.8	124	48.3	GEG.00.240.LC
DCH.91.121.PA	12.1	14.8	124	49.3	GEG.0S.240.LC
DCH.91.181.PA	18.1	22.8	129	53.1	GEG.0E.240.LC
DCH.91.161.PA	16.1	21.0	124	51.2	GEG.1S.240.LC
DCH.91.201.PA	20.1	22.8	129	53.5	GEG.1E.240.LC
DCH.91.141.PA	14.1	18.6	124	51.2	GEG.1S.242.LC
DCH.91.201.PA	20.1	22.8	129	53.5	GEG.2S.240.LC
DCH.91.241.PA	24.1	30.8	134	52.6	GEG.2S.241.LC
DCH.91.251.PA	25.1	32.8	134	55.5	GEG.2E.240.LC

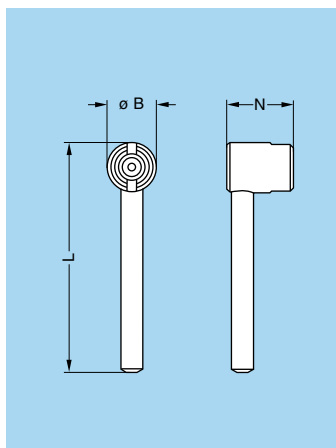
- Material: blue polyurethane



DCP Set of flat spanners for collet nuts

Part number	Series	Dimensions (mm)				
		L	M	N	S1	S2
DCP.91.001.TN	0B	95	2.5	21	8.1	7.1
	1B	95	2.5	25	10.1	9.1
DCP.91.023.TN	2B-2K	115	3.0	30	13.1	12.1
	3B-3K	115	3.0	35	15.1	14.1
DCP.91.045.TN	4B	130	3.5	40	21.2	20.2
	5B	130	3.5	45	31.2	30.2

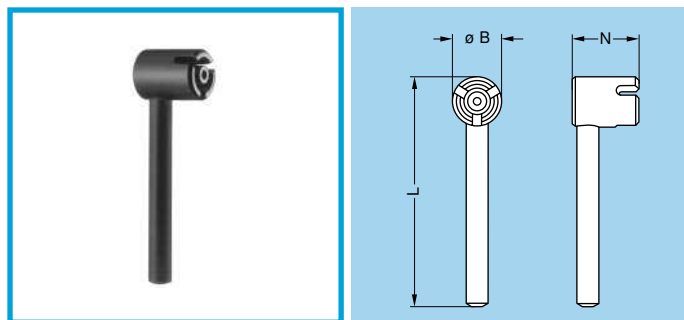
- Material: blackened steel



DCL Spanners for assembling plugs with 2 latches

Part number	Series	Dimensions (mm)		
		B	L	N
DCL.91.105.0TK	00	10	45	13.5
DCL.91.127.0TK	0S	12	47	17.0
DCL.91.149.0TK	1S	14	52	19.0

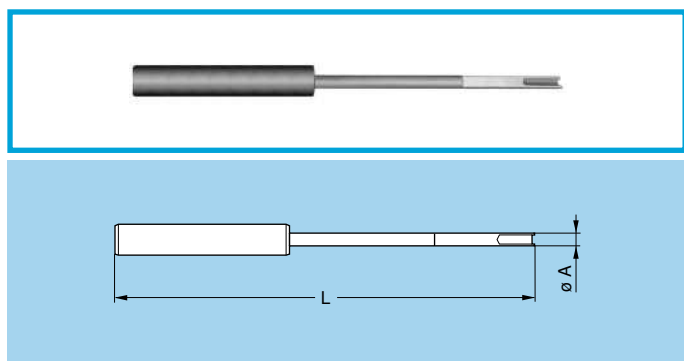
- Material: blackened steel



DCN Spanners for assembling plugs with 3 latches

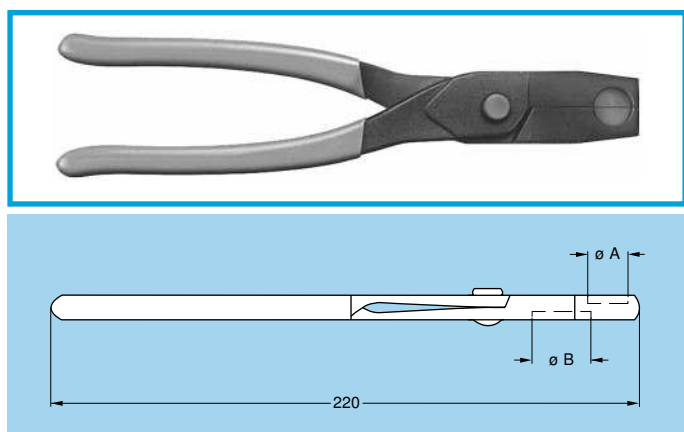
Part number	Series	Dimensions (mm)		
		B	L	N
DCN.91.905.0TK	00	9	42	12
DCN.91.125.0TK	0S	12	47	17
DCN.91.149.0TK	1S	14	53	19
DCN.91.171.2TK	2S-2C	17	63	20
DCN.91.201.5TK	3S	20	74	22

● Material: blackened steel



DCL Assembly tool for FVB.00.303.NLA plugs

Part number	Series	Dim. (mm)	
		A	L
DCL.91.516.5TK	00	5	165

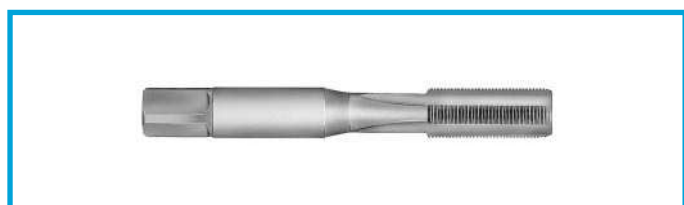
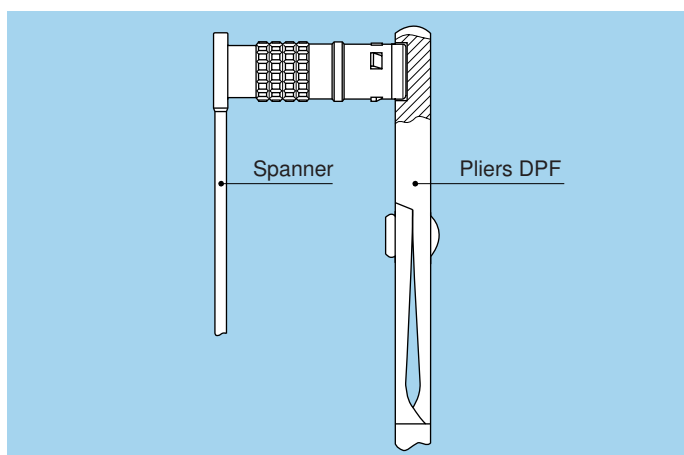


DPF Pliers for assembling plugs (series K, E and L)

Part number	Series	Dimensions (mm)	
		A	B
DPF.91.001.TA	0E-0K-0L	10	—
	1E-1K-1L	—	12
DPF.91.023.TA	2E-2K-2L	15	—
	3E-3K	—	18

Example for use

The plug end must be held in the pliers whilst the nut is tightened with the flat spanner.



DTA Taps

Part number	Series	Thread
DTA.99.700.5Z	00	M7 x 0.5
DTA.99.900.6Z	0S-0B	M9 x 0.6

Crimping tools for electrical contacts

Fig. 1



Fig. 2



Manual crimping tools

Supplier	Part number		
	contact $\varnothing$ 0.5-0.7 0.9-1.3 (Fig. 1)	contact $\varnothing$ 1.6-2.0 (Fig. 2)	contact $\varnothing$ 3.0-4.0 (Fig. 2)
LEMO	DPC.91.701.V ¹⁾	DPC.91.101.A ²⁾	DPC.91.102.V
DANIELS	MH860 ¹⁾	AF8 ²⁾	M300BT
ASTRO	616336 ¹⁾	615708 ²⁾	—

¹⁾ According to specification MIL-C-22520/7-01.

²⁾ According to specification MIL-C-22520/1-01.



Pneumatic crimping tools

Supplier	Part number
LEMO	DPC.91.701.C
BALMAR	85230
BUCHANAN	621101

According to specification
MIL-C-22520/7-01.
For LEMO contacts $\varnothing$ 0.5-0.7-0.9-1.3 mm

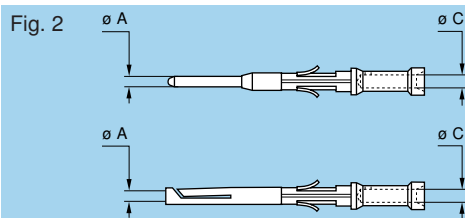
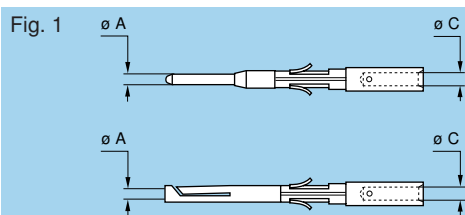


male



female

These positioners are suitable for use with both manual and pneumatic crimping tools according to the MIL-C-22520/7-01 standard.



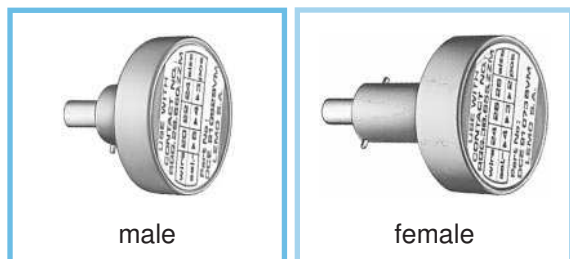
Note: a wide variation of strand number and diameter combinations are quoted as being AWG, some of which do not have a large enough cross section to guarantee a crimp as per either MIL-C-22520/1-01 or /7-01. Our technical department is at your disposal to study and propose a solution to all your applications.

Note: see table on page 51 for connector selection and the table on page 131 for contact selection.

DCE Positioners for crimp contacts $\varnothing$ 0.5-0.7-0.9 and 1.3 mm

	Connector + Contact					Positioners part number	
	Type	$\varnothing$ A	$\varnothing$ C	$\varnothing$ ID	Conductor AWG	For male contact	For female contact
00	302	0.5	0.45	1	28-30-32	DCE.91.050.0VC	DCE.91.050.0VM
	303						
	304						
0B 0K 0S	302 ¹⁾	0.9	1.10	1	20-22-24	DCE.91.090.BVC	DCE.91.090.BVM
	303	0.9	0.80	2	22-24-26	DCE.91.090.AVC	DCE.91.090.AVM
	304 ¹⁾	0.7	0.80	1	22-24-26	DCE.91.070.BVC	DCE.91.070.BVM
	305	0.7	0.45	2	28-30-32		
	306/307 309	0.5	0.45	1	28-30-32	DCE.91.050.BVC	—
1B 1K 1S	302 ¹⁾	1.3	1.40	1	18-20	DCE.91.131.BVC	DCE.91.131.BVM
	303	1.3	1.10	2	20-22-24		
	304 ¹⁾	0.9	1.10	1	20-22-24	DCE.91.091.BVC	DCE.91.091.BVM
	305	0.9	0.80	2	22-24-26		
	306/307 308	0.7	0.80	1	22-24-26	DCE.91.071.BVC	DCE.91.071.BVM
2B 2K 2S	310/314 316	0.5	0.45	1	28-30-32	DCE.91.051.BVC	—
	304/305	1.3	1.40	1	18-20	DCE.91.132.BVC	DCE.91.132.BVM
	306 ¹⁾	1.3	1.10	2	20-22-24	DCE.91.132.CVC	DCE.91.132.CVM
	307	1.3	0.80	2	22-24-26		
	308/310	0.9	1.10	1	20-22-24	DCE.91.092.BVC	DCE.91.092.BVM
		0.9	0.80	2	22-24-26		
		0.9	0.45	2	28-30-32	DCE.91.092.AVC	DCE.91.092.AVM
	312/314 316/318 319	0.7	0.80	1	22-24-26	DCE.91.072.BVC	DCE.91.072.BVM
		0.7	0.45	2	28-30-32		

Note: ¹⁾ only these types are available in S series.



These positioners are suitable for use with both manual and pneumatic crimping tools according to the MIL-C-22520/7-01 standard.

DCE Positioners for crimp contacts 0.5-0.7-0.9 and 1.3 mm diameter

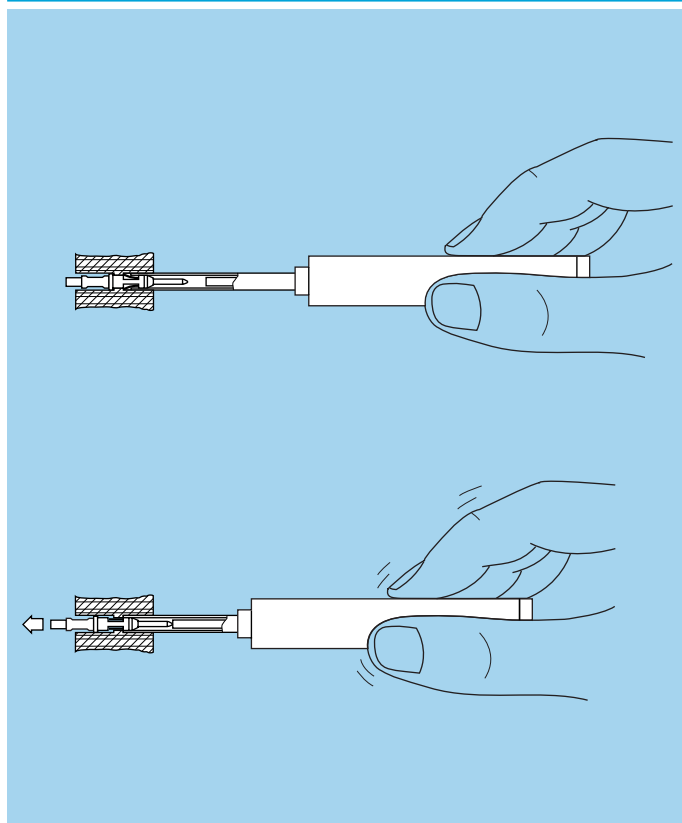
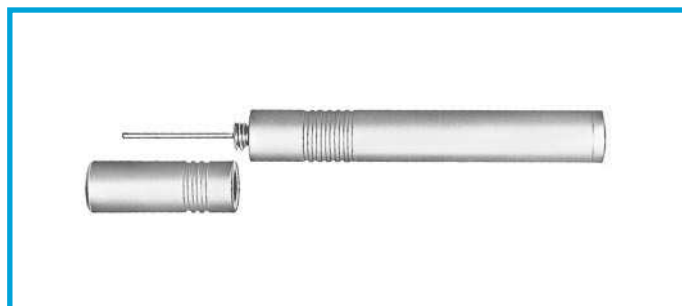
	Connector + Contact					Positioners part number	
	Type	ø A	ø C	LE	Conductor AWG	For male contact	For female contact
3B 3K	308/309	1.3	1.40	1	18-20	DCE.91.133.BVC	DCE.91.133.BVM
	310	1.3	1.10	2	20-22-24		
	312/314	0.9	1.10	1	20-22-24	DCE.91.093.BVC	DCE.91.093.BVM
	316/318	0.9	0.80	2	22-24-26		
4B 4K	320/322	0.7	0.80	1	22-24-26	DCE.91.073.BVC	DCE.91.073.BVM
	324/326						
	330	0.7	0.45	2	28-30-32		
5B 5K	330/340	1.3	1.40	1	18-20	DCE.91.135.BVC	DCE.91.135.BVM
	348						
	350/354	0.9	1.10	1	20-22-24	DCE.91.095.BVC	DCE.91.095.BVM
	364	0.9	0.80	2	22-24-26		



Note: these turrets can be used with manual crimping tool according to MIL-C-22520/1-01 standard.

DCE Turret for crimp contacts 1.6-2.0-3.0 and 4.0 mm diameter

	Connector + Contact					Positioners
	Type	ø A	ø C	LE	Conductor AWG	Part number
2B 2K	302	2.0	2.4	1	12-14-16	DCE.91.202.BVCM
		2.0	1.9	2	14-16-18	
	303	1.6	1.9	1	14-16-18	DCE.91.162.BVCM
		1.6	1.4	2	18-20-22	
3B 3K	302	3.0	2.9	1	10-12-14	DCE.91.303.BVCM
	303/304	2.0	2.4	1	12-14-16	DCE.91.203.BVCM
	309	2.0	1.9	2	14-16-18	
	305/306	1.6	1.9	1	14-16-18	DCE.91.163.BVCM
4B 4K	307	1.6	1.4	2	18-20-22	
	304	3.0	2.9	1	10-12-14	DCE.91.304.BVCM
	306/307	2.0	2.4	1	12-14-16	DCE.91.204.BVCM
		2.0	1.9	2	14-16-18	
5B 5K	310	1.6	1.9	1	14-16-18	DCE.91.164.BVCM
		1.6	1.4	2	18-20-22	
	304	4.0	4.0	1	10-12	DCE.91.405.BVCM
	310	3.0	2.9	1	10-12-14	DCE.91.305.BVCM
5B 5K	314/316	2.0	2.4	1	12-14-16	DCE.91.205.BVCM
		2.0	1.9	2	14-16-18	
	320	1.6	1.9	1	14-16-18	DCE.91.165.BVCM
		1.6	1.4	2	18-20-22	

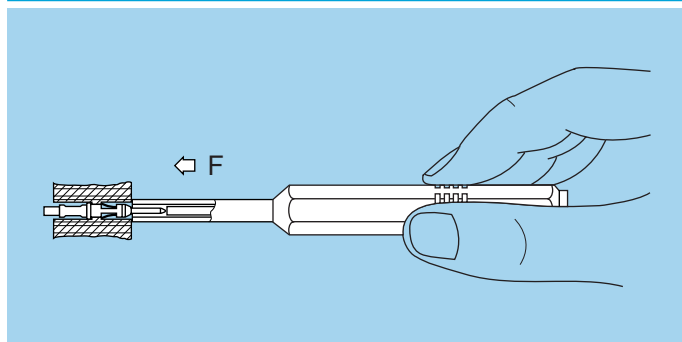
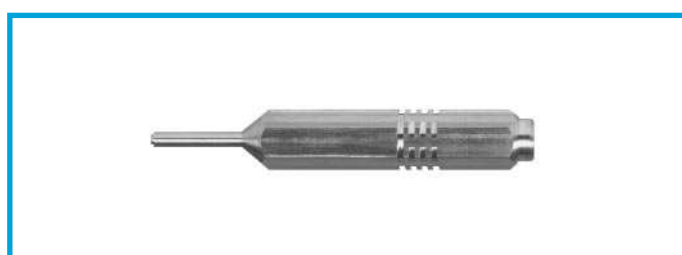


Note: this model is used for male and female contacts.

DCF Extraction tools for crimp contacts

	Connector		Extractors
	Type	Contact ø A	Part number
00	302/303/304	0.5	DCF.91.050.2LT
0B 0K	302/303	0.9	DCF.91.090.2LT
	304/305	0.7	DCF.91.070.2LT
	306/307/309	0.5	DCF.91.050.2LT
1B 1K	302/303	1.3	DCF.91.131.2LT
	304/305	0.9	DCF.91.090.2LT
	306/307/308	0.7	DCF.91.070.2LT
	310/314/316	0.5	DCF.91.050.2LT
2B 2K	302	2.0	DCF.91.202.2LT
	303	1.6	DCF.91.162.2LT
	304/305/306/307	1.3	DCF.91.131.2LT
	308/310	0.9	DCF.91.090.2LT
	312/314/316/318/319	0.7	DCF.91.070.2LT
3B 3K	302	3.0	DCF.91.303.5LT
	303/304/309	2.0	DCF.91.203.5LT
	305/306/307	1.6	DCF.91.163.5LT
	308/309/310	1.3	DCF.91.133.5LT
	312/314/316/318	0.9	DCF.91.093.5LT
	320/322/324/326/330	0.7	DCF.91.073.5LT
4B 4K	304	3.0	DCF.91.303.5LT
	306/307	2.0	DCF.91.203.5LT
	310	1.6	DCF.91.163.5LT
	312	1.3	DCF.91.133.5LT
	316/320/324/330	0.9	DCF.91.093.5LT
	340/348	0.7	DCF.91.073.5LT
5B 5K	304	4.0	DCF.91.405.5LT
	310	3.0	DCF.91.303.5LT
	314/316	2.0	DCF.91.203.5LT
	320	1.6	DCF.91.163.5LT
	330/340/348	1.3	DCF.91.133.5LT
	350/354/364	0.9	DCF.91.093.5LT

DCK Retention testing tools for crimp contacts 0.5-0.7-0.9 and 1.3 mm diameter



Contact ø A	Test force (N)	Testing tool part number	
		For male contact	For female contact
0.5	8	DCK.91.050.8LRC	DCK.91.050.8LRM
0.7	14	DCK.91.071.4LRC	DCK.91.071.4LRM
0.9	14	DCK.91.091.4LRC	DCK.91.091.4LRM
1.3	25	DCK.91.132.5LRC	DCK.91.132.5LRM