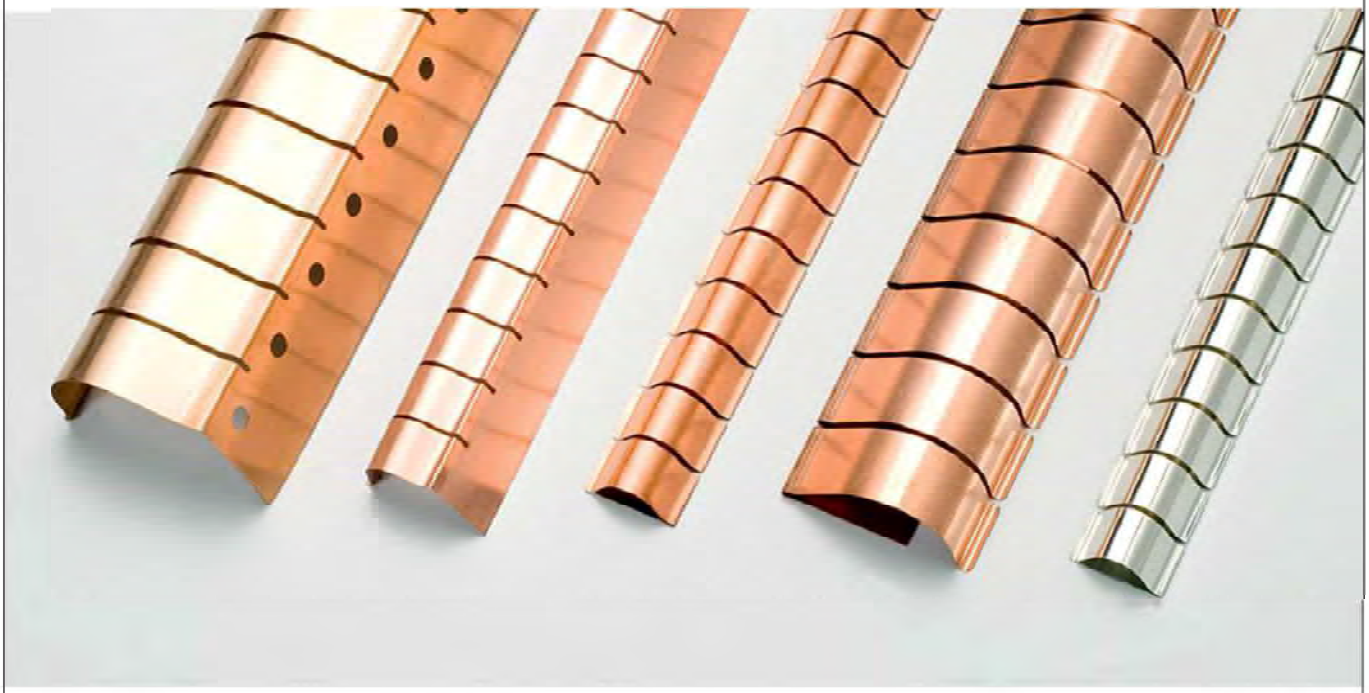
SOLIANI emc s.r.l.

EMC FINGER CATAOLUGE

Contact Strips Made of Copper Beryllium



Application

Due to their outstanding material and electrical characteristics, copper beryllium fingers of different shapes and dimensions are used in the following industries: Broadcasting, telecommunication, industrial control, measuring and instrumentation, aerospace technology, nuclear physics and data processing. Contact fingers and rings made of copper beryllium are used at all radio and microwave frequencies, for instance as contacts to tubes and tuning components as well as for shielding.

Material Properties

The copper beryllium (CuBe2) used for our products is a quality tested quench hardening spring material. It is noteworthy for its yield point, tensile strength and elasticity, good electrical conductivity, high fatigue strength as well as its resistance to abrasion and corrosion. The good thermal conductivity coupled with hardness eliminates sparking. The raw material is non-magnetic and has an excellent temperature performance.

Material

Code designation:	CuBe2
Alloy:	C17200
Design:	Strip material, heat treated after moulding, DIN EN 1654

Physical Characteristics

Specific weight:	8.4 g/cm^3
Melting point:	900 °C
Coefficient to expansion:	
(20–200°C)	17x10^{-6}/°C
Thermal conductivity:	0.27 cal/cm · s · °C
	1.13 W/cm · °C
Vickers hardness:	350–430
Tensile strength:	1200-1450 N/mm^2
Bending resistance at 10^8	
Load cycles:	250–290 ±N/mm^2
Modulus of elasticity:	135000 N/mm^2
Modulus of torsion:	47000 N/mm^2
Spring bending limit:	820–950 N/mm^2
Electrical conductivity:	12.5–13 m/Ωmm^2

Delivery Options

- As strips in standard length, endless, cut to length or formed into a ring
- Standard springs from stock at short notice available
- Finish: bright, silver-plated, gold-plated, tin-plated, nickel-plated or according to customer requirements

Disclaimer

All information in this catalogue has been compiled with care and done to the best of our knowledge. Measured data are in accordance with current MIL- or DIN standards. Because of the different fields of application and test methods it is recommended, however, to take your own measurements. In the end, this is the only way to test the suitability of our products for your special application.
For electrical specifications there are no warranty.
All length measurements are rounded.
Change of technical data, error and misprints reserved.

Edition 20.9

Contact Strips Made of Stainless Steel

(It material no. 1.4310). The material used is stainless strip steel for springs: a material with extraordinary toughness, good spring characteristics, and long service life. The anti-corrosion properties are excellent, with the result that the contact surfaces are always smooth and shiny. The shielding properties are very good, but the attenuation values that can be achieved are less than with CuBe.

Material

Material number: 1.4310
Characteristics: stainless steel, steel tape, cold-rolled
DIN 17224, EN 10258

Mechanical Properties

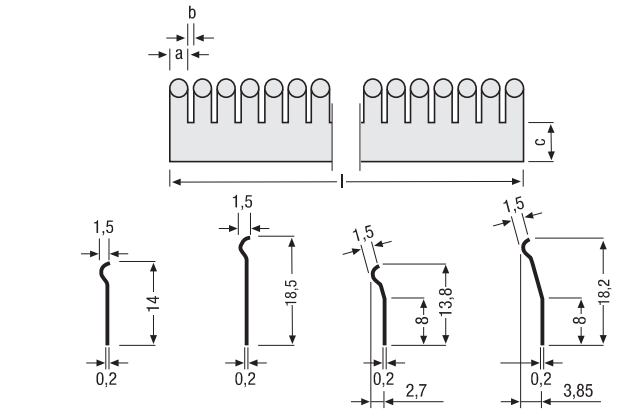
Tensile strength: 1220 (RM N/mm²)
Yield strength: 987 (RP N/mm²)
Strain: 31.00 (L=80mm)

Chemical Composition: (Data given in Percent)

C	0.096	**Si**	0.63	**Mn**	0.89	**P**	0.029
S	0.005	**Cr**	17.12	**Mo**	0.22	**Ni**	7.29
Ti	0.000	**Al**	0.000	**Cu**	0.000	**V**	0.000
W	0.000	**Cb/Ta**	0.000	**Fe**	73.6		

Please note that the dimensions of the V2A-springs may vary from the CuBe- springs, due to the different material conditions.
Contact our sales team for further information.

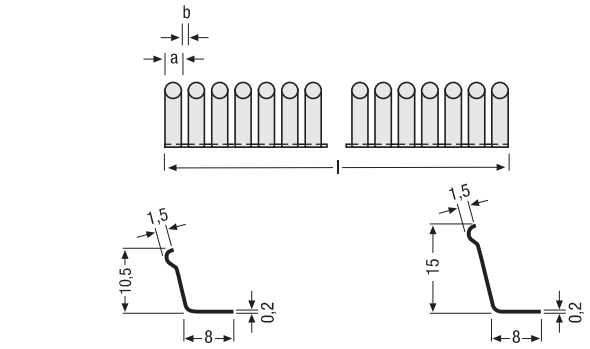
Contact Strips



Form A B C D

Form	a mm	b mm	c mm	l mm	Part-No.
A	3	1	6.5	499	8101*
B	3	1	6.5	499	8102*
C	3	1	6.5	499	8103*
D	3	1	6.5	499	8104*

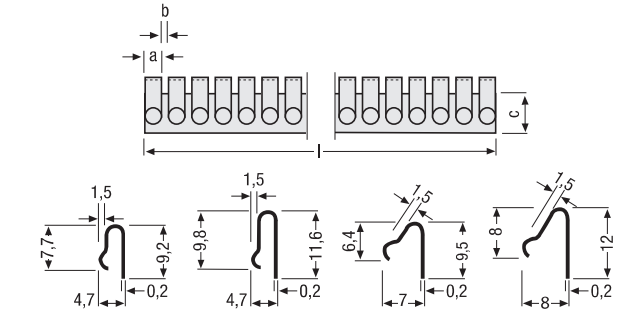
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form E F

Form	a mm	b mm	l mm	Part-No.
E	3	1	499	8105*
F	3	1	499	8106*

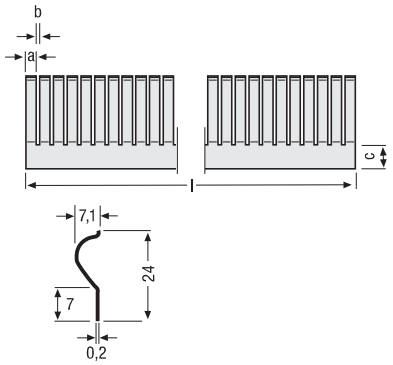
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form G H I K

Form	a mm	b mm	c mm	l mm	Part-No.
G	3	1	6.5	499	8107*
H	3	1	6.5	499	8108*
I	3	1	6.5	499	8109*
K	3	1	6.5	499	8110*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

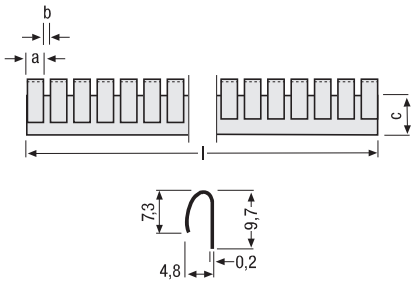


Form L

Form	a mm	b mm	c mm	l mm	Part-No.
L	3	1	6.5	499	8111*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

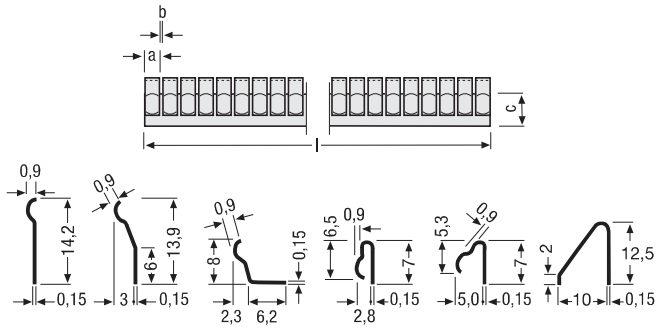
Contact Strips



Form M

Form	a mm	b mm	c mm	l mm	Part-No.
M	3	1	6.5	499	8112*

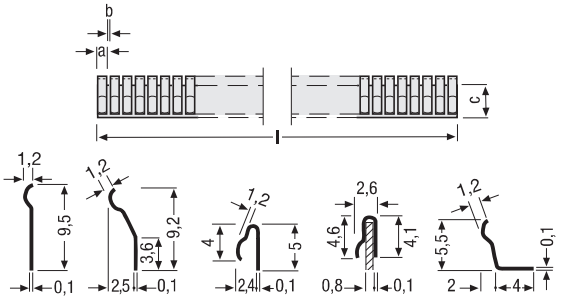
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form N N1 O P Q Q1

Form	a mm	b mm	c mm	l mm	Part-No.
N	1.5	0.5	5.5	500	8113*
N1	1.5	0.5	5.5	500	8125*
O	1.5	0.5	5.5	500	8114*
P	1.5	0.5	5.5	500	8115*
Q	1.5	0.5	5.5	500	8116*
Q1	3.0	1	10.8	499	8126*

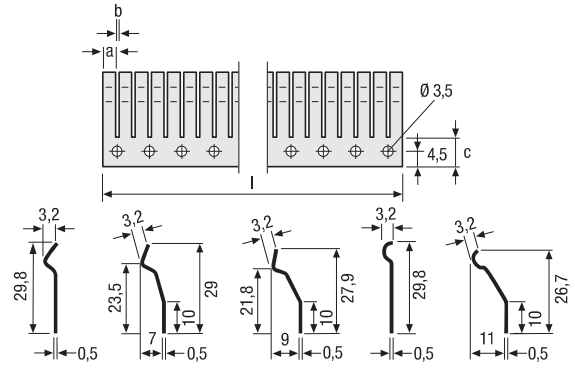
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form R R1 S S1 T

Form	a mm	b mm	c mm	l mm	Part-No.
R	1	0.5	3.2	499	8117*
R1	1	0.5	3.2	499	8127*
S	1	0.5	3.2	499	8118*
S1	1	0.5	3.2	499	8128*
T	1	0.5	3.2	499	8119*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

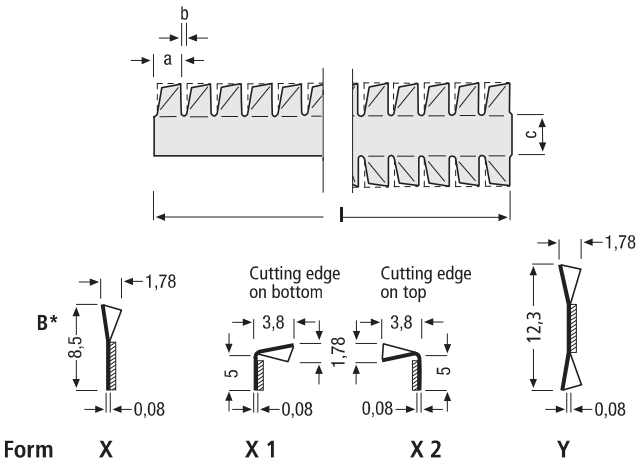


Form U U1 U2 U10 U11

Form	a mm	b mm	c mm	l mm	Part-No.
U	3.0	1.0	9	503	8120*
U1	3.0	1.0	9	503	8121*
U2	3.0	1.0	9	503	8122*
U10	3.0	1.0	9	503	8123*
U11	3.0	1.0	9	503	8124*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

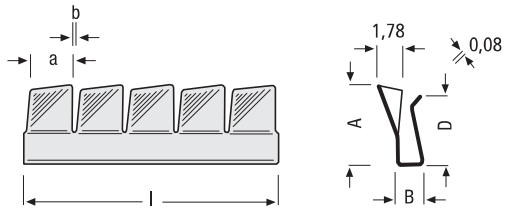
Twisted Contact Strips



Form X X 1 X 2 Y

Form	a	b	c	l mm	Part-No.
X	3.8	0.4	4.8	407	8501**
	3.8	0.4	4.8	608	8502**
	3.8	0.4	4.8	499	8503**
	3.8	0.4	4.8	endless	8504**
X 1	3.8	0.4	4.8	499	8505**
X 2	3.8	0.4	4.8	499	8506**
Y	3.8	0.4	4.8	407	8511**
	3.8	0.4	4.8	608	8512**
	3.8	0.4	4.8	499	8513**
	3.8	0.4	4.8	endless	8514**

* Other dimensions available
** Available in CuBe and stainless steel
Electroplating on request (see cover)

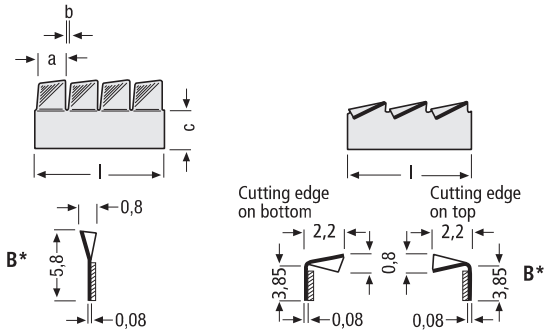


Form X 3, X 4

Form	a	b	A	B	D	l mm	Part-No.
X 3	3.8	0.4	4.8	1.0	4.1	407	8601*
	3.8	0.4	4.8	1.5	3.6	407	8602*
	3.8	0.4	4.8	2.0	3.2	407	8603*
X 4	3.8	0.4	6.4	1.0	5.8	407	8604*
	3.8	0.4	6.4	1.5	5.3	407	8605*
	3.8	0.4	6.4	2.0	5.1	407	8606*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

Mini-Twisted Contact Strips

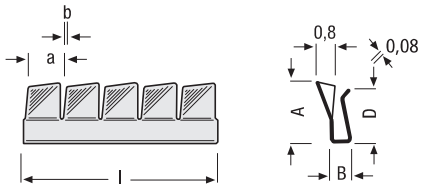


Form X M X 1 M X 2 M

Form	a	b	c	l mm	Part-No.
X M	2.0	0.4	3.1	500	8610**
	2.0	0.4	3.1	610	8611**
	2.0	0.4	3.1	endless	8613**
X 1 M	2.0	0.4	3.1	610	8614**
X 2 M	2.0	0.4	3.1	610	8615**

* Other dimensions available
** Available in CuBe and stainless steel
Electroplating on request (see cover)

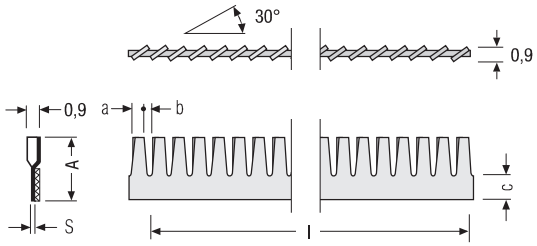
Mini-Twisted Contact Strips



Form X 5 bis X 10

Form	a	b	A	B	D	l mm	Part-No.
X 5	2.0	0.4	3.8	1.0	3.7	405	8616*
X 6	2.0	0.4	3.8	1.5	3.5	405	8617*
X 7	2.0	0.4	4.7	1.0	4.5	405	8618*
X 8	2.0	0.4	4.3	1.5	4.4	405	8619*
X 9	2.0	0.4	5.9	1.0	4.7	405	8620*
X 10	2.0	0.4	5.9	1.5	4.3	405	8621*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

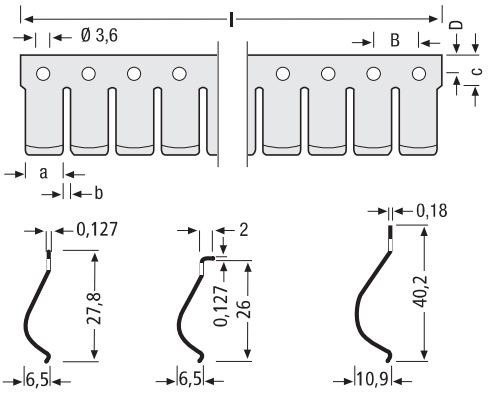


Form Z

Form	a	b	C	A	S	l mm	Part-No.
Z	1.65	0.76	4.1	9.1	0.127	406	9070*
Z	1.65	0.76	4.1	9.1	0.127	endless	9071*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

RFI/EMI-Shielding



Form V 1 V 2 V 3

Form	a	b	c	B	D	l mm	Part-No.
V1	8.5	1	6.45	9.5	4	502	8801*
	8.5	1	6.45	9.5	4	endless	8802*
V2	8.5	1	4.9	9.5	2.3	502	8803*
V3	11.7	1	8	12.7	4.8	507	8804
	11.7	1	8	12.7	4.8	endless	8805

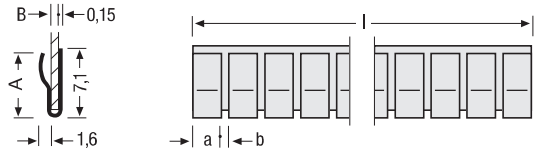
*Available in CuBe and stainless steel
Electroplating on request (see cover)

Electrical Properties
Excellent shielding values 110 dB at 100 MHz

Application
Shielding of doors and other movable parts in shielded rooms, cabins and cabinets

Mounting
By way of rivets, screws or soldering

Clip-On Gaskets

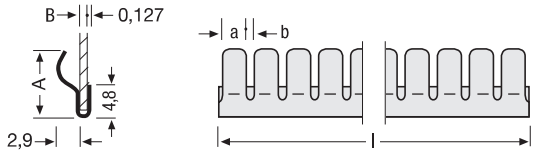


Form CL 1

Also available endless

Form	a mm	b mm	A mm	B mm	l mm	Part-No.
CL 1	5.6	0.8	6.7	0.8	409	8901.08*
CL 1-1	5.6	0.8	6.6	1.0	409	8901.10*
CL 1-2	5.6	0.8	6.2	1.5	409	8901.15*
CL 1-3	5.6	0.8	5.8	2.0	409	8901.20*
CL 1-12	5.6	0.8	6.45	1.2	409	8901.12*

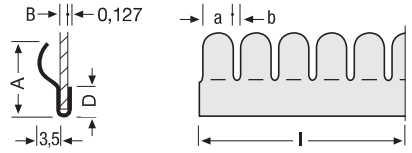
*Available in CuBe and stainless steel
Electroplating on request (see cover)
CL1-1, CL1-2 and CL1-3 also available with D + T lances



Form CL 2

Form	a mm	b mm	A mm	B mm	l mm	Part-No.
CL 2	3.6	1.2	8.2	0.8	407	8902.08*
CL 2-1	3.6	1.2	8.0	1.0	407	8902.10*
CL 2-2	3.6	1.2	7.8	1.5	407	8902.15*

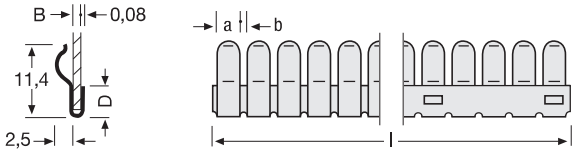
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form CL 3

Form	a mm	b mm	A mm	B mm	D mm	l mm	Part-No.
CL 3	3.6	1.2	11.4	0.8	5.2	407	8903.08*
CL 3-1	3.6	1.2	10.8	1.0	4.8	407	8903.10*
CL 3-2	3.6	1.2	11.2	1.5	4.5	407	8903.15*
CL 3-3	3.6	1.2	10.5	3.0	4.4	407	8903.30*

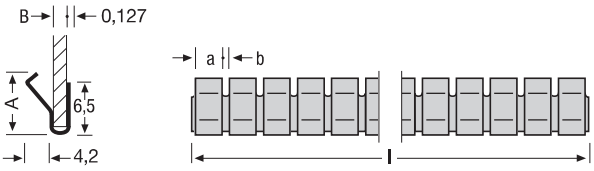
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form CL 4

Form	a mm	b mm	B mm	D mm	l mm	Part-No.
CL 4	3.6	1.2	1.5	4.9	407	8904.15*
CL 4-1	3.6	1.2	2.0	4.8	407	8904.20*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

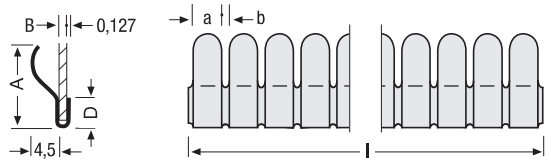


Form CL 5

Form	a mm	b mm	A mm	B mm	l mm	Part-No.
CL 5	3.6	1.2	8.2	0.8	407	8905.08*
CL 5-1	3.6	1.2	8.2	1.0	407	8905.10*
CL 5-2	3.6	1.2	8.2	1.5	407	8905.15*
CL 5-3	3.6	1.2	8.0	2.0	407	8905.20*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

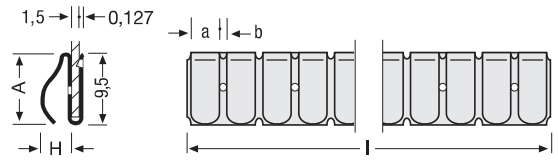
Clip-On Gaskets



Form CL 6

Form	a mm	b mm	A mm	B mm	D mm	l mm	Part-No.
CL 6	3.6	1.2	13.7	0.8	5.7	503	8906.08*
CL 6-1	3.6	1.2	13.7	1.0	5.4	503	8906.10*
CL 6-2	3.6	1.2	13.7	1.5	4.8	503	8906.15*
CL 6-3	3.6	1.2	13.7	2.0	4.6	503	8906.20*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

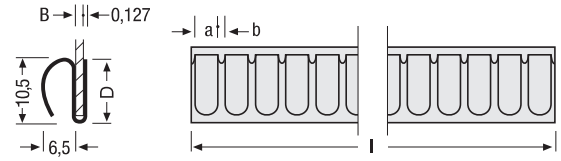


Form CL 7

Also available with D and T lances

Form	a mm	b mm	A mm	H mm	l mm	Part-No.
CL 7	5.31	1.04	9.5	5.2	406	8907.15*
CL 7-1	5.31	1.04	8.0	6.9	406	8927.15*
CL 7-2	5.31	1.04	7.5	7.9	406	8928.15*

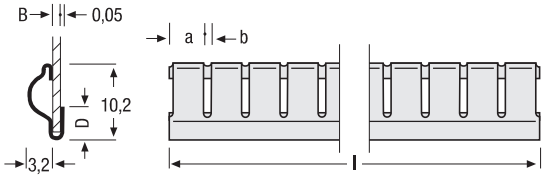
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form CL 8

Form	a mm	b mm	B mm	D mm	l mm	Part-No.
CL 8	3.2	1.55	2.0	8.2	402	8908.20*
CL 8-1	7.95	1.55	2.0	8.1	407	8929.20*
CL 8-2	3.2	1.55	3.0	7.4	407	8908.30*

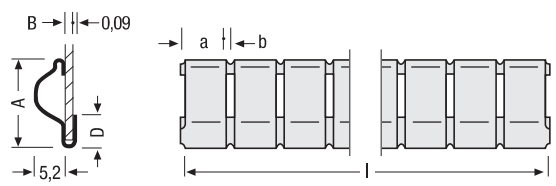
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form CL 9

Form	a mm	b mm	B mm	D mm	l mm	Part-No.
CL 9	5.7	0.6	0.8	5.7	409	8909.08*
CL 9-1	5.7	0.6	1.0	5.5	409	8909.10*
CL 9-2	5.7	0.6	1.5	5.2	409	8909.15*
CL 9-3	5.7	0.6	2.0	5.2	409	8909.20*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

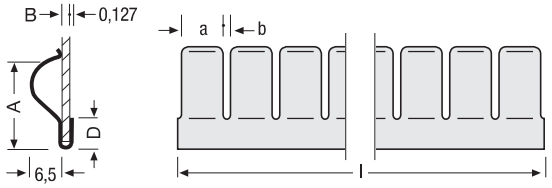


Form CL 10

Form	a mm	b mm	A mm	B mm	D mm	l mm	Part-No.
CL 10	8.7	0.8	16.2	1.5	5.6	455	8910.15*
CL 10-1	8.7	0.8	15.7	3.0	4.8	455	8910.30*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

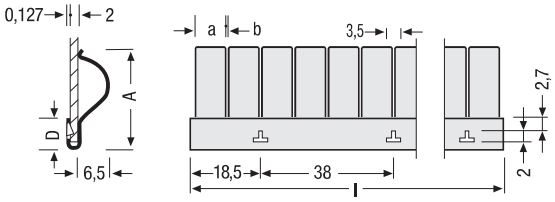
Clip-On Gaskets



Form CL 11

Form	a mm	b mm	A mm	B mm	D mm	l mm	Part-No.
CL 11	8.5	1.0	26.8	2.0	7.8	493	8911.20*
CL 11-1	8.5	1.0	26.5	3.0	7.2	493	8911.30*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

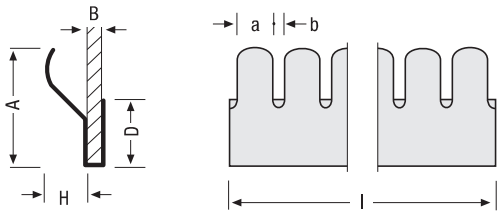


Form CL 12

Clamping leg with T lances

Form	a mm	b mm	A mm	D mm	l mm	Part-No.
CL 12	8.5	1.0	26.8	7.8	493	8912.20*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

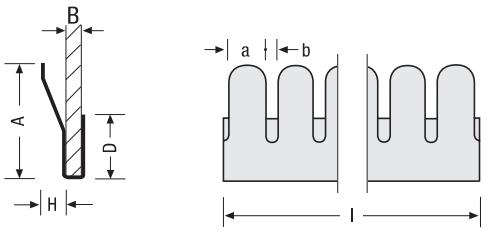


Form CL 13 – CL 18
Material thickness: 0.10 mm

Form	a mm	b mm	A mm	B mm	D mm	H mm	l mm	Part-No.
CL 13	3.6	1.2	15.4	1.0	7.4	5.3	406	8630.10**
CL 14	3.6	1.2	15.4	1.5	6.9	5.3	406	8631.15**
CL 15	3.6	1.2	15.4	2.0	7.1	5.3	406	8632.20**
CL 16*	3.6	1.2	8.6	1.0	6.3	2.5	402	8633.10**
CL 17*	3.6	1.2	8.6	1.5	5.8	2.5	402	8634.15**
CL 18*	3.6	1.2	8.6	2.0	5.4	2.5	402	8635.20**

* With T lances
** Available in CuBe and stainless steel
Electroplating on request (see cover)

Clip-On Gaskets

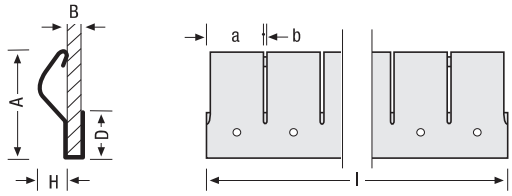


Form CL 19 – CL 21

Material thickness: 0.10 mm

Form	a mm	b mm	A mm	B mm	D mm	H mm	l mm	Part-No.
CL 19	3.6	1.2	11.4	1.0	6.8	2.5	407	8636.10*
CL 20	3.6	1.2	11.4	1.5	6.3	2.5	407	8637.15*
CL 21	3.6	1.2	11.4	2.0	5.9	2.5	407	8638.20*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

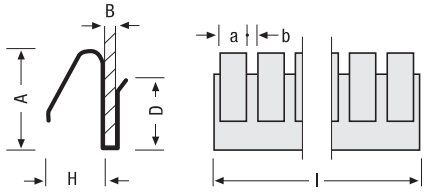


Form CL 22 – CL 28

Material thickness: 0.70 mm

Form	a mm	b mm	A mm	B mm	D mm	H mm	l mm	Part-No.
CL 22	5.84	0.51	11.7	1.0	6.1	3.0	458	8639.10
CL 23	5.84	0.51	11.7	1.5	5.6	3.0	458	8640.15
CL 24	5.84	0.51	11.7	2.0	5.1	3.0	458	8641.20
CL 25	9.02	0.51	19.3	1.0	7.4	6.4	457	8642.10
CL 26	9.02	0.51	19.3	1.5	6.9	6.4	457	8643.15
CL 27	9.02	0.51	19.3	2.0	6.4	6.4	457	8644.20
CL 28	9.02	0.51	19.3	3.0	5.3	6.4	457	8645.30

Available with lances
Electroplating on request (see cover)



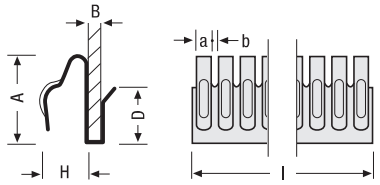
Form CL 32 – CL 37

Material thickness:
CL 32 – CL 35 : 0.15 mm
CL 36 – CL 37 : 0.08 mm

Form	a mm	b mm	A mm	B mm	D mm	H mm	l mm	Part-No.
CL 32*	3.2	1.55	12.2	1.0	8.25	7.2	402	8649.10**
CL 33*	3.2	1.55	12.2	1.5	8.0	7.2	402	8650.15**
CL 34*	3.2	1.55	12.2	2.0	7.25	7.2	402	8651.20**
CL 35*	3.2	1.55	12.2	3.0	6.55	7.2	402	8652.30**
CL 36	2.8	0.4	4.6	1.0	3.8	2.3	307	8653.10**
CL 37	2.8	0.4	4.6	1.5	3.4	2.3	307	8654.15**

* Also available with D- lances
** Available in CuBe and stainless steel
Electroplating on request (see cover)

Clip-On Gaskets

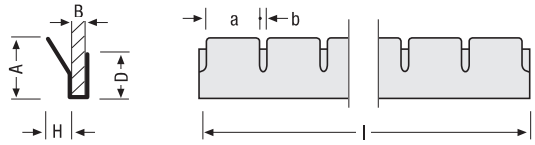


Form CL 38 – CL 46

Material thickness:
CL 38 – CL 41 : 0.15 mm
CL 42 – CL 44 : 0.127 mm
CL 45 – CL 46 : 0.08 mm

Form	a mm	b mm	A mm	B mm	D mm	H mm	l mm	Part-No.
CL 38	1.5	0.5	9.2	1.0	6.4	5.1	408	8655.10*
CL 39	1.5	0.5	9.2	1.5	5.9	5.1	408	8656.15*
CL 40	1.5	0.5	9.2	2.0	5.4	5.1	408	8657.20*
CL 41	1.5	0.5	9.2	3.0	4.6	5.1	408	8658.30*
CL 42	1.27	0.64	9.1	1.0	6.9	4.1	408	8659.10*
CL 43	1.27	0.64	9.1	1.5	6.1	4.1	408	8660.15*
CL 44	1.27	0.64	9.1	2.0	5.6	4.1	408	8661.20*
CL 45	1.0	0.5	6.1	1.0	4.7	2.8	406	8662.10*
CL 46	1.0	0.5	6.1	1.5	4.4	2.8	406	8663.15*

*Available in CuBe and stainless steel
Electroplating on request (see cover)



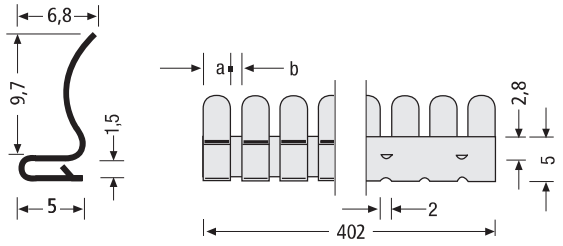
Form CL 47 – CL 49

Material thickness: 0.08 mm

Form	a mm	b mm	A mm	B mm	D mm	H mm	l mm	Part-No.
CL 47	3.8	0.4	4.8	0.8	3.0	1.3	306	8664.08*
CL 48	3.8	0.4	4.8	1.0	2.8	1.3	306	8665.10*
CL 49	3.8	0.4	4.8	1.5	2.3	1.3	306	8666.15*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

Contact Fingers (Clip-On)



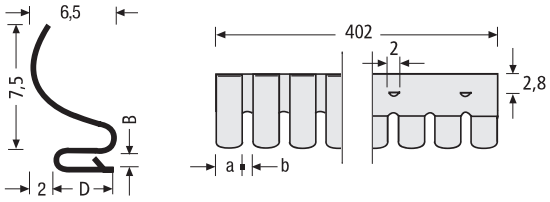
Form CL 53

Material thickness: 0.127 mm

Form	a mm	b mm	Part-No.
CL 53	3.6	1.2	8953.15*

D-lances standard, without lances optional
*Available in CuBe and stainless steel
Electroplating on request (see cover)

Contact Fingers (Clip-On)

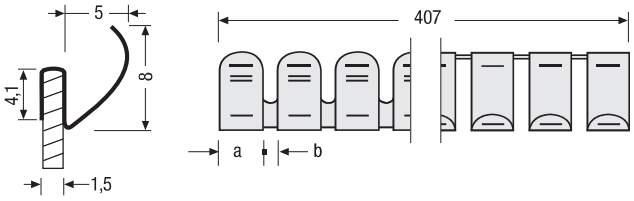


Form CL 54

Material thickness: 0.127 mm

Form	a mm	b mm	B mm	D mm	Order-No.
CL 54	3.6	1.2	0.8	5.2	8954.08*
CL 54-1	3.6	1.2	1.0	5.1	8954.10*
CL 54-2	3.6	1.2	1.5	5.1	8954.15*
CL 54-3	3.6	1.2	2.0	5.2	8954.20*
CL 54-4	3.6	1.2	3.0	5.1	8954.30*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

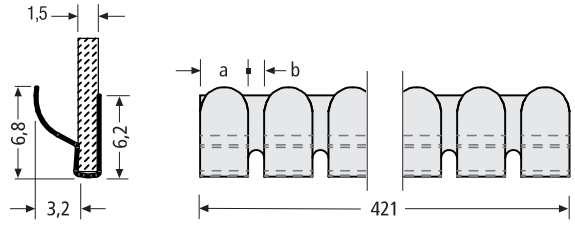


Form CL 55

Material thickness: 0.127 mm

Form	a mm	b mm	Part-No.
CL 55	3.6	1.2	8955.15*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

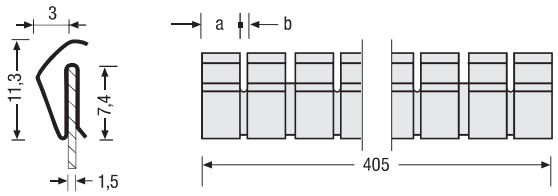


Form CL 56

Material thickness: 0.127 mm

Form	a mm	b mm	Part-No.
CL 56	3.6	1.2	8956.15*

*Available in CuBe and stainless steel
Electroplating on request (see cover)



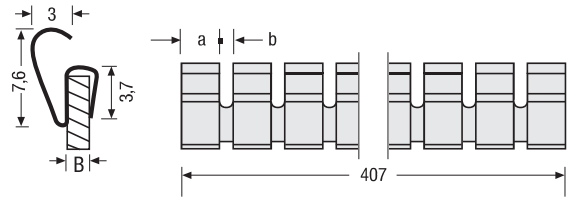
Form CL 57

Material thickness: 0.08 mm

Form	a mm	b mm	Part-No.
CL 57	5.31	1.04	8669.15*

D-lances standard, without lances optional
*Available in CuBe and stainless steel
Electroplating on request (see cover)

Contact Fingers (Clip-On)

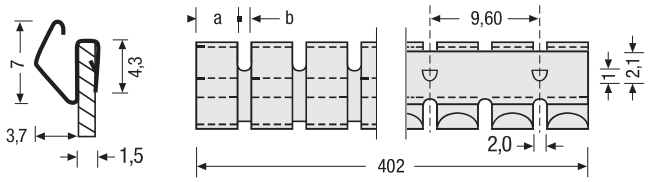


Form CL 58

Material thickness: 0.127 mm

Form	a mm	b mm	B mm	Part-No.
CL 58	3.6	1.2	1.5	8918.15*
CL 58-1	3.6	1.2	2.0	8918.20*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

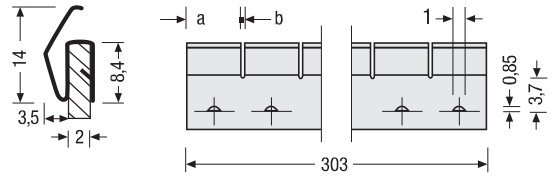


Form CL 59

Material thickness: 0.127 mm

Form	a mm	b mm	Part-No.
CL 59	3.6	1.2	8917.15*

D-lances standard, without lances optional
*Available in CuBe and stainless steel
Electroplating on request (see cover)

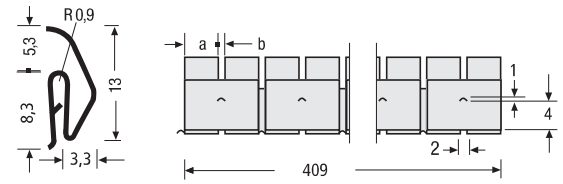


Form CL 60

Material thickness: 0.10 mm

Form	a mm	b mm	Part-No.
CL 60	9	0.8	8913.20*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

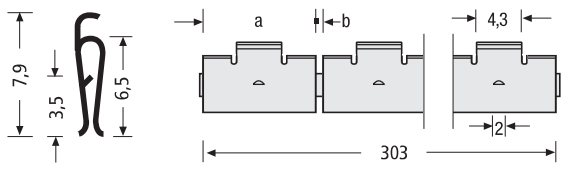


Form CL 61

Material thickness: 0.127 mm

Form	a mm	b mm	B** mm	Part-No.
CL 61	5.6	0.8	1.5	8914.15*

*Available in CuBe and stainless steel
**Clip width in mounted condition
Electroplating on request (see cover)



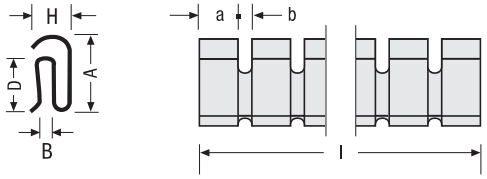
Form CL 62

Material thickness: 0.08 mm

Form	a mm	b mm	B** mm	Part-No.
CL 62	12.68	1.14	1.8	8915.18*

*Available in CuBe and stainless steel
**Clip width in mounted condition
Electroplating on request (see cover)

Contact Fingers (Clip-On)

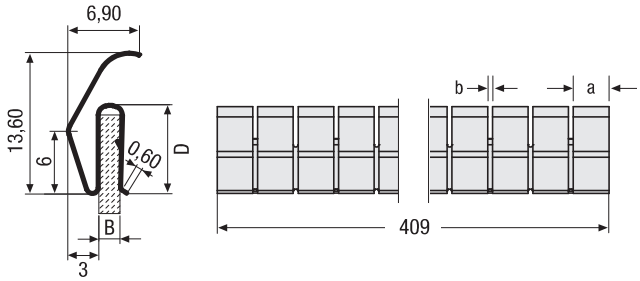


Form CL 63

Material thickness:
CL63 - CL63-1 : 0.08 mm
CL63-2 - CL63-3 : 0.127 mm

Form	a mm	b mm	H mm	A mm	B** mm	D mm	l mm	Part-No.
CL 63	3.0	1.0	2.8	6.1	1.5	3.85	407	8916.15*
CL 63-1	3.0	1.0	2.8	6.0	2.0	3.5	407	8916.20*
CL 63-2	4.0	1.0	7.2	11.9	1.5	7.5	409	8919.15*/***
CL 63-3	4.0	1.0	7.2	20.0	1.75	7.5	409	8919.18*/***

*Available in CuBe and stainless steel
**Clip width in mounted condition
***Optionally available with lances
Electroplating on request (see cover)

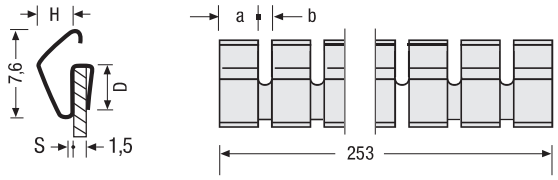


Form CL 64

Material thickness: 0.127 mm

Form	a mm	b mm	B mm	D mm	Part-No.
CL 64	5.6	0.8	2	8.6	8924.20*

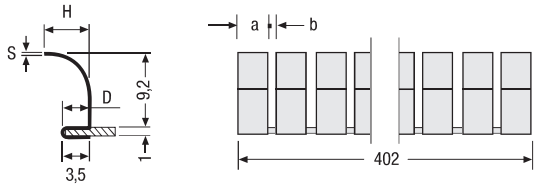
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form CL 65 – CL 66

Form	a mm	b mm	H mm	D mm	S mm	Part-No.
CL 65	3.0	0.8	2.8	3.6	0.09	8922.15*
CL 66	3.6	1.2	2.85	3.7	0.127	8923.15*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

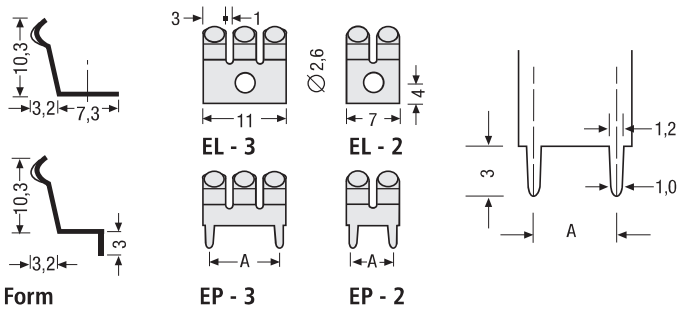


Form CL 67

Form	a mm	b mm	H mm	D mm	S mm	Part-No.
CL 67	3.6	1.2	5.7	3.5	0.127	8952.10*

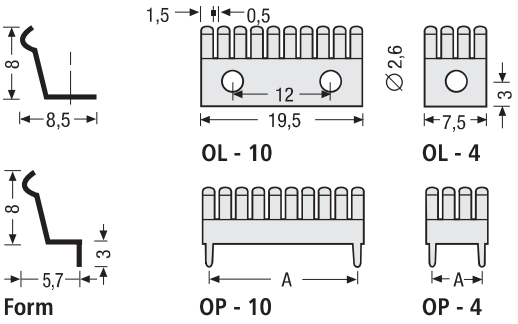
*Available in CuBe and stainless steel
Electroplating on request (see cover)

Contact Fingers with Hole/Pins



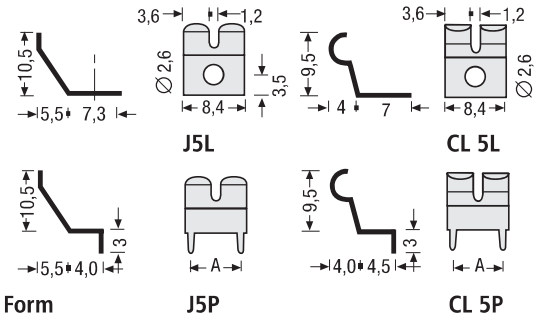
Form	Number of Fingers	A mm	Part-No.
EL - 3	3	-	8920*
EL - 2	2	-	8921*
EP - 3	3	10	8925*
EP - 2	2	5	8926*

Material thickness: 0.2 mm
*Available in CuBe and stainless steel
Electroplating on request (see cover)



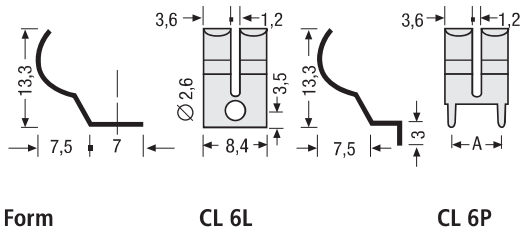
Form	Number of Fingers	A mm	Part-No.
OL	10	-	8930*
	4	-	8931*
OP	10	17.5	8935*
	4	5	8936*

Material thickness: 0.15 mm
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form	Number of Fingers	A mm	Part-No.
J 5 L	2	-	8940*
J 5 P	2	5	8941*
CL 5 L	2	-	8945*
CL 5 P	2	5	8946*

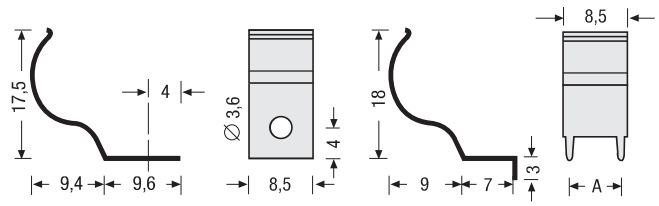
Material thickness: 0.127 mm
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form	Number of Fingers	A mm	Part-No.
CL 6 L	2	-	8950*
CL 6 P	2	5	8955*

Material thickness: 0.127 mm
*Available in CuBe and stainless steel
Electroplating on request (see cover)

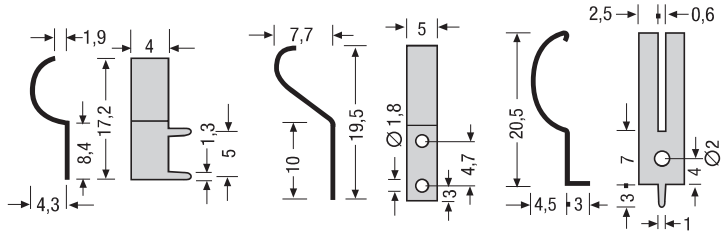
Contact Fingers with Hole/Pins



Form V 1 L V 1 P

Form	Number of Fingers	A mm	Part-No.
V 1 L	1	-	8960*
V 1 P	1	5	8965*

Material thickness: 0.127 mm
*Available in CuBe and stainless steel
Electroplating on request (see cover)

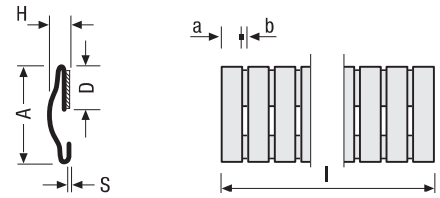


Form L P P L P L L P L P
(L P L curve left or right possible)

Form	Number of Fingers	A mm	Part-No.
L P P links	1	-	8970*
L P P rechts	1	-	8971*
L P L	1	-	8980*
L P L P	2	-	8990*

Material thickness: 0.15 mm
*Available in CuBe and stainless steel
Electroplating on request (see cover)

Low Profile Gaskets

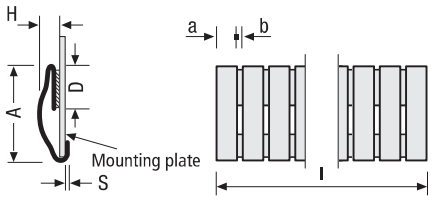


Form NP 2-3

Form	a mm	b mm	D mm	H mm	A mm	S mm	l mm	Part-No.
NP 2	2.54	0.64	6.0	2.0	11.4	0.05	406	2001
NP 3	2.54	0.64	8.2	3.0	15.2	0.05	406	2002

With adhesive tape

Low Profile Gaskets, Hook-On Type

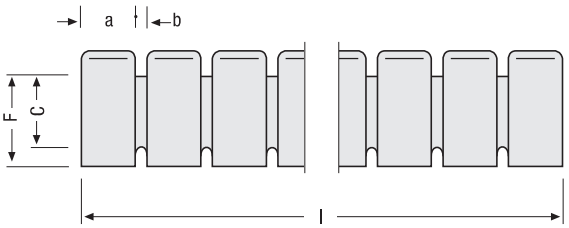


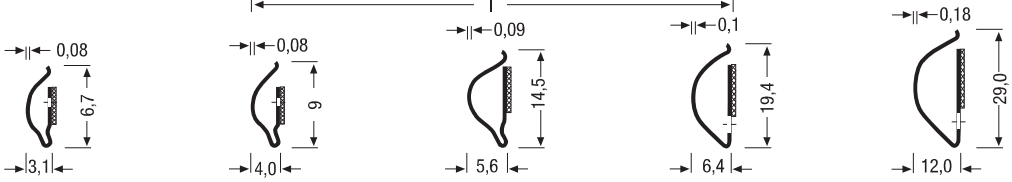
Form NPH 1-2

Form	a mm	b mm	D mm	H mm	A mm	S mm	l mm	Part-No.
NPH 1	2.54	0.64	6.0	1.5	11.4	0.05	406	2003
NPH 2	2.54	0.64	8.2	2.3	15.2	0.05	406	2004

With adhesive tape

Curved Fingers

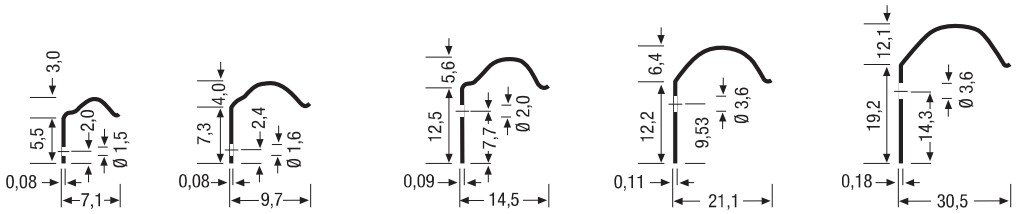




Form V 10 V 11 V 12 V 13 V 14

Form	a mm	b mm	c mm	F mm	l mm	Part-No. mm
V10	4.32	0.46	3.85	5.5	406	9001*
					endless	9002*
V11	5.8	0.56	3.85	7.5	406	9003*
					endless	9004*
V12	8.71	0.81	10.00	12.60	608	9005*
					endless	9006*
V13	8.51	1.02	10.00	12.00	609	9007*
V14	11.68	1.02	17.00	19.9	304	9009*

*CuBe as standard. Allso available in stainless steel on request
Electroplating on request (see cover)
With adhesive tape

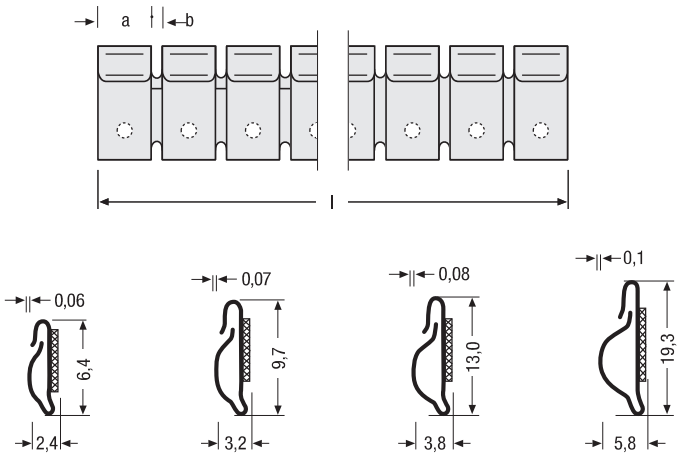


Form V 15-1 V 15 V 16 V 17 V 18

Form	a mm	b mm	l mm	Part-No.
V15-1	4.32	0.46	406	9019*
V15	5.79	0.56	406	9020*
V16	8.72	0.81	609	9021*
V17	8.51	1.02	305	9022*
V18	11.68	1.02	304	9023*

*CuBe as standard. Allso available in stainless steel on request
Electroplating on request (see cover)
With adhesive tape

Slippy Fingers



Form	V 19	V 20	V 21	V 22

Form	a mm	b mm	ø mm	l mm	Part-No.
V 19	4.3	0.46	1.5	409	9030*
V 20	4.32	0.46	1.5	406	9032*
V 21	5.79	0.56	1.57	406	9034*
V 22	8.71	0.81	2	610	9036*

* Only available in CuBe
Electroplating on request (see cover)
With adhesive tape

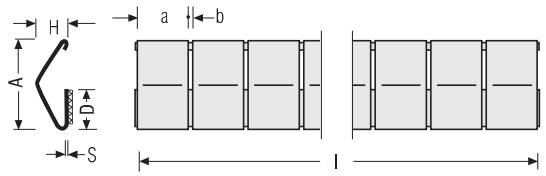
Description

Curved fingers and slippy fingers are versatile shields that can be used to very effectively shield enclosures, cabinets and panels against interference radiation. The space requirement is minimal and the assembly is extremely simple, as the underside of the spring is equipped with adhesive tape.
Extensive soldering, riveting or bolting is therefore not necessary.

The measured attenuation values are excellent. Magnetic field: at 14 KHz more than 46 dB.
Plane waves: at 10 GHz approx. 108 dB.

Slippy fingers are a further development of the curved fingers, whereby the free part of the finger is retained within a flap and is therefore protected against damage. As compression increases, the fingers will slide further into the flap.

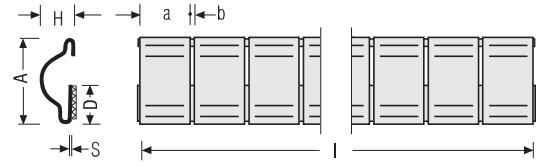
Grounding and Shield Strips



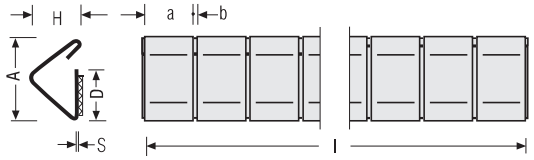
Form W 1 - W 5

Form	a mm	b mm	A mm	D mm	H mm	S mm	l mm	Part-No.
W 1	4.3	0.5	8.0	5.0	2.8	0.05	408	9040*
W 2	5.7	0.6	9.4	5.3	3.3	0.05	409	9041*
W 3	8.7	0.8	15.2	7.2	5.7	0.08	607	9042*
W 4	8.7	0.8	19.8	11.2	8.1	0.10	455	9043*
W 5	11.7	1.0	27.9	19.8	10.4	0.10	456	9044*

*Available in CuBe and stainless steel
Electroplating on request (see cover)
With adhesive tape



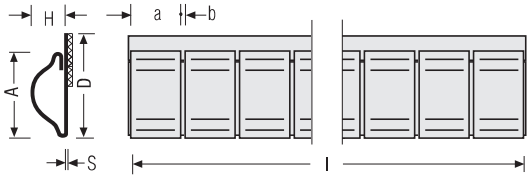
Form W 6 - W 9



Form W 10

Form	a mm	b mm	A mm	D mm	H mm	S mm	l mm	Part-No.
W 6	3.5	0.45	8.1	5.4	2.5	0.09	406	9045
W 7	5.7	0.6	9.4	5.25	3.3	0.09	406	9046
W 8	3.9	0.8	15.2	7.4	5.6	0.09	457	9047
W 9	8.7	0.8	15.2	7.4	5.6	0.09	457	9048
W 10	5.7	0.6	8.4	5.45	5.15	0.05	409	9049*

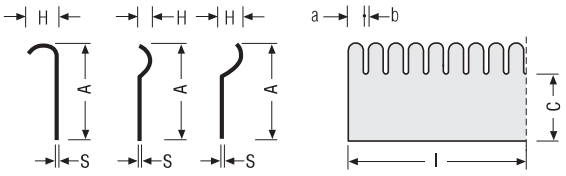
*Available in CuBe and stainless steel
Electroplating on request (see cover)
With adhesive tape



Form W 12

Form	a mm	b mm	A mm	D mm	H mm	S mm	l mm	Part-No.
W 12	8.71	0.81	15.2	19.8	5.6	0.09	456	9051

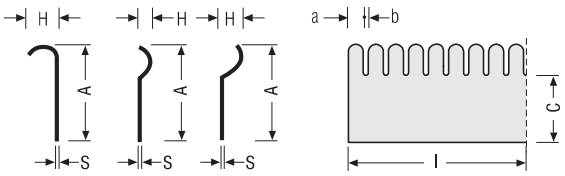
Only available in CuBe.
Electroplating on request (see cover)
With adhesive tape



Form J 1 J 2 J 3

Form	a mm	b mm	A mm	C mm	H mm	S mm	l mm	Part-No.
J 1	3.6	1.2	19.6	16.0	5.8	0.127	407	9060*
J 2	3.6	1.2	22.6	16.0	2.3	0.127	407	9061*
J 3	3.6	1.2	22.6	16.0	3.0	0.127	407	9062*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

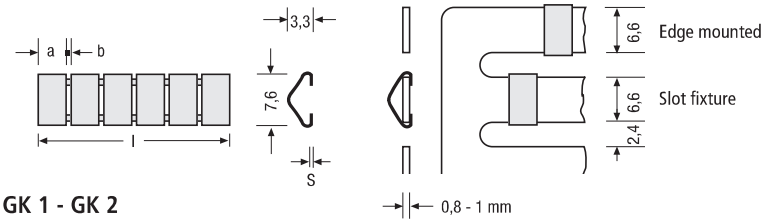


Form J 4 J 5 J 6

Form	a mm	b mm	A mm	C mm	H mm	S mm	l mm	Part-No.
J 4	3.6	1.2	21.6	15.0	2.2	0.127	407	9063*
J 5	3.6	1.2	23.4	16.0	2.3	0.127	407	9064*
J 6	3.6	1.2	23.4	16.0	2.3	0.127	407	9065*

*Available in CuBe and stainless steel
Electroplating on request (see cover)

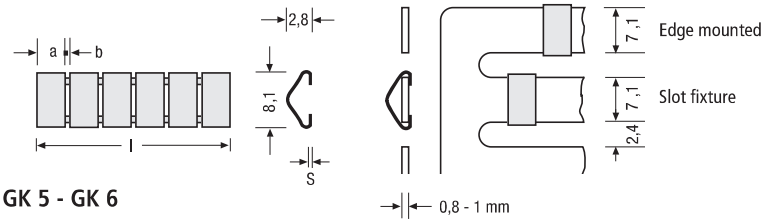
Slot-Mount Shields in Strips or as Single Contacts



Form GK 1 - GK 2

Form	a mm	b mm	S mm	l mm	Part-No.
GK 1	4.3	0.5	0.05	407	9701*
GK 2	4.3	0.5	0.09	403	9702*

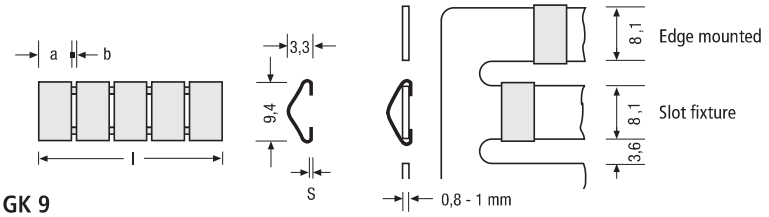
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form GK 5 - GK 6

Form	a mm	b mm	S mm	l mm	Part-No.
GK 5	4.3	0.5	0.05	403	9705*
GK 6	4.3	0.5	0.09	407	9706*

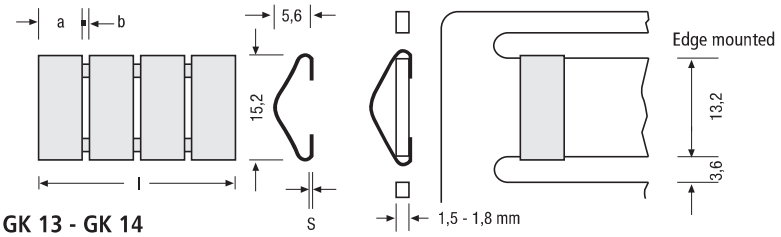
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form GK 9

Form	a mm	b mm	S mm	l mm	Part-No.
GK 9	5.7	0.6	0.05	403	9709*

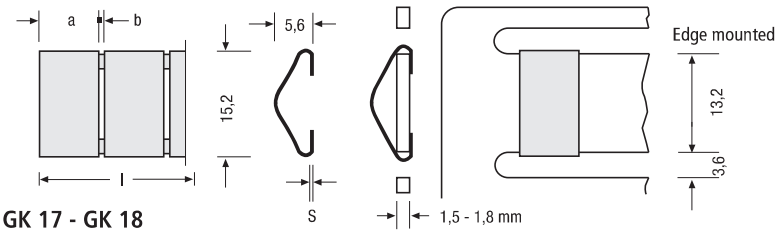
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form GK 13 - GK 14

Form	a mm	b mm	S mm	l	Part-No.
GK 13	6.4	0.8	0.08	457	9713*
GK 14	6.4	0.8	0.127	457	9714*

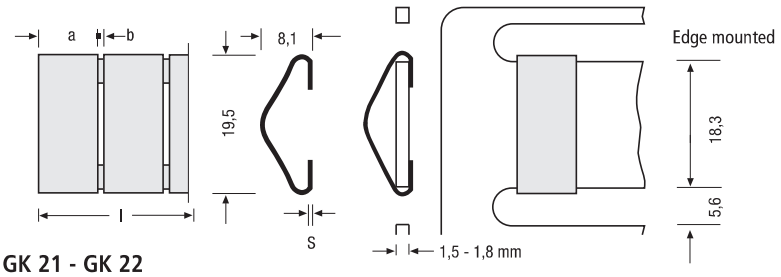
*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form GK 17 - GK 18

Form	a mm	b mm	S mm	l mm	Part-No.
GK 17	8.7	0.8	0.05	398	9717*
GK 18	8.7	0.8	0.08	398	9718*

*Available in CuBe and stainless steel
Electroplating on request (see cover)



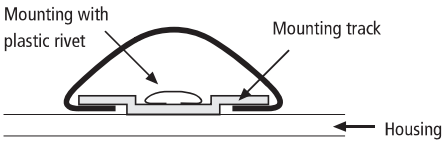
Form GK 21 - GK 22

Form	a mm	b mm	S mm	l mm	Part-No.
GK 21	8.7	0.8	0.08	398	9721*
GK 22	8.7	0.8	0.10	398	9722*

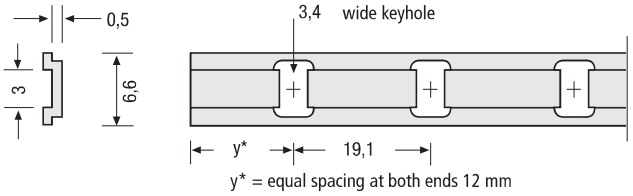
*Available in CuBe and stainless steel
Electroplating on request (see cover)

Mounting Tracks

Mounting on riveted track

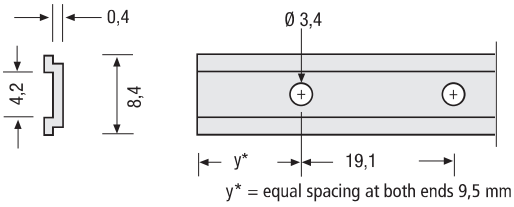


The slot-mount shields can be mounted directly on the housing panel or alternatively on a mounting track with T-end-pieces.



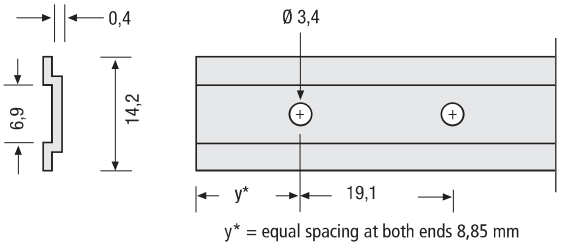
Mounting track	l mm	Part-No.
MS 2 for GK 1 - 6	406	E9730*

Material: stainless steel



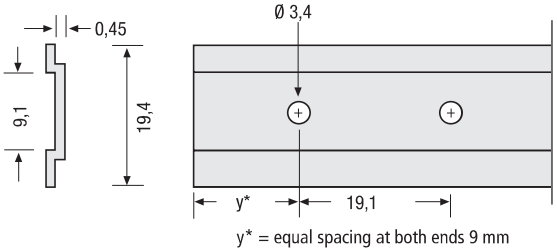
Mounting track	l mm	Part-No.
MS 3 for GK 9	401	9735*

Material: brass, bright finish



Mounting track	l mm	Part-No.
MS 4 for GK 13 - 18	457	9740*

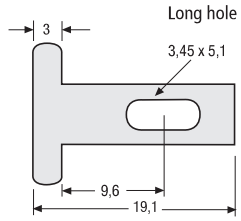
Material: brass, bright finish



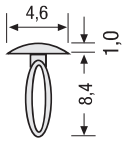
Mounting track	l mm	Part-No.
MS 5 for GK 21 - 22	400	9745*

Material: brass, bright finish
Also available in stainless steel on request

Mounting Tracks

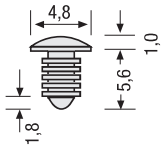


TE 1 - 3



Mounting hole
Ø 3,12 - Ø 3,23

NE 1

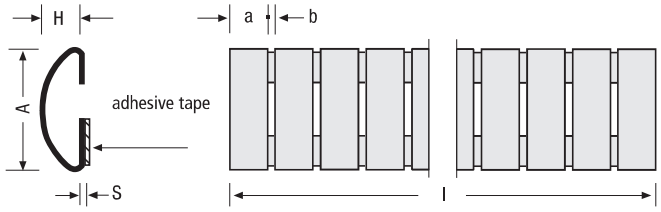


Mounting hole
Ø 3 - Ø 3,18

NE 2

T-end-piece	Part-No.
TE 1 for GK 9	9750
TE 2 for GK 13 - 18	9751
TE 3 for GK 21 - 22	9752
Plastic rivet	
NE 1 for Sheet thickness 0.5 - 1.5 mm	9754
NE 2 for Sheet thickness 0.5 - 1.5 mm	9755

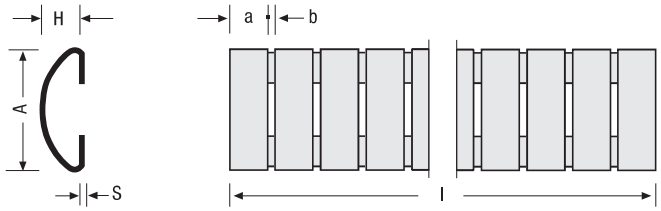
Half-Round Springs and Mounting Tracks



Form HR 1 - 3

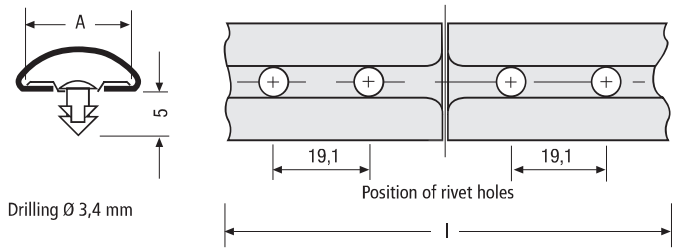
Form	a mm	b mm	A mm	H mm	S mm	l mm	Part-No.
HR 1	4.3	0.5	9.1	2.8	0.08	383	9760*
HR 2	5.8	0.6	11.4	3.6	0.08	383	9761*
HR 3	8.7	0.8	15.8	5.5	0.10	379	9762*

*Available in CuBe and stainless steel
Electroplating on request (see cover)



Form	a mm	b mm	A mm	H mm	S mm	l mm	Rivet Number	Part-No.
HR 6	4.3	0.5	9.1	2.8	0.08	383	10	9763*
HR 7	5.8	0.6	11.7	3.6	0.08	383	10	9764*
HR 8	8.7	0.8	15.8	5.5	0.10	379	10	9765*

For mounting tracks
*Available in CuBe and stainless steel
Electroplating on request (see cover)

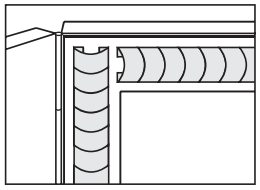


Drilling Ø 3,4 mm

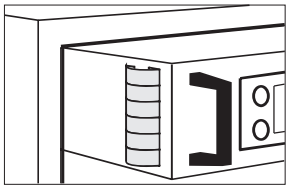
Mounting tracks

Form	A mm	l mm	Part-No.
MS 6	8.6	383	9766*
MS 7	11.4	383	9767*
MS 8	15.2	381	9768*

Material: brass, bright finish



HR 1 - HR 3

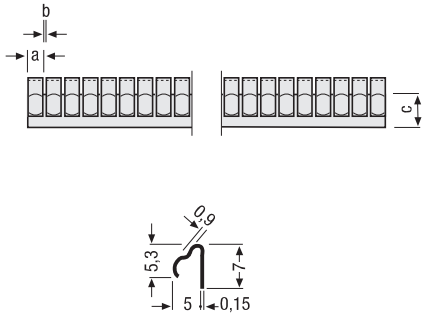


HR 6 - HR 8

Mounting examples

Contact Rings

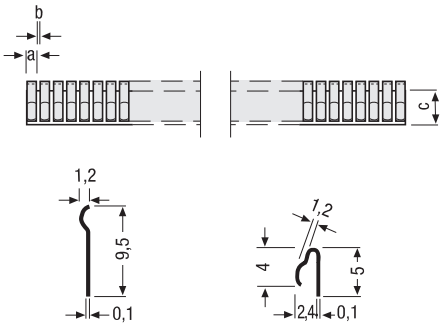
Manufacturing of customized rings is possible, suitable spring geometry provided. Rings from contact springs are available either closed (spot-welded) or open.



Form Q

Base strips for rings

Form	a mm	b mm	c mm	Part-No.
Q	1.5	0.5	5.5	R.8116*



Form R S

Form	a mm	b mm	c mm	Part-No.
R	1.0	0.5	3.2	R.8117*
S	1.0	0.5	3.2	R.8118*

Further variations on request.