

Flexible current-leads

List 641E

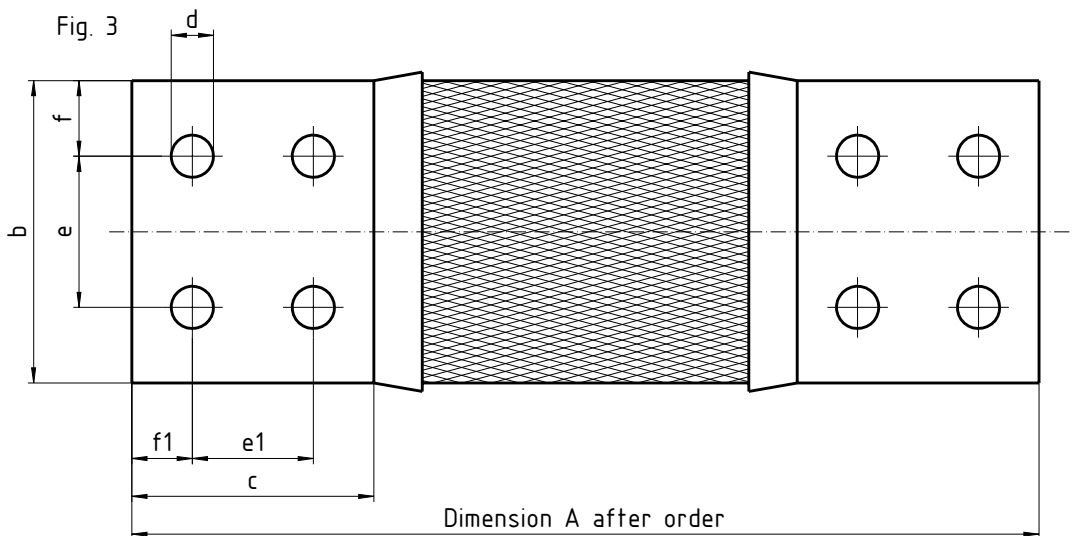
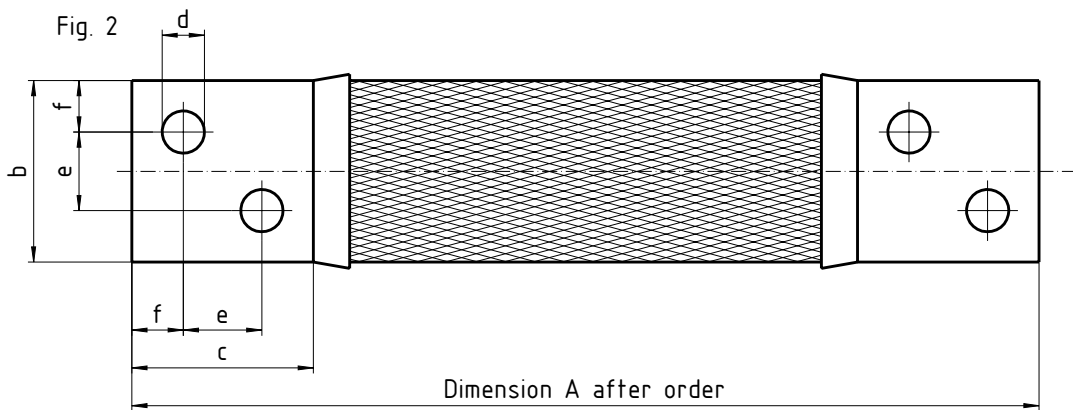
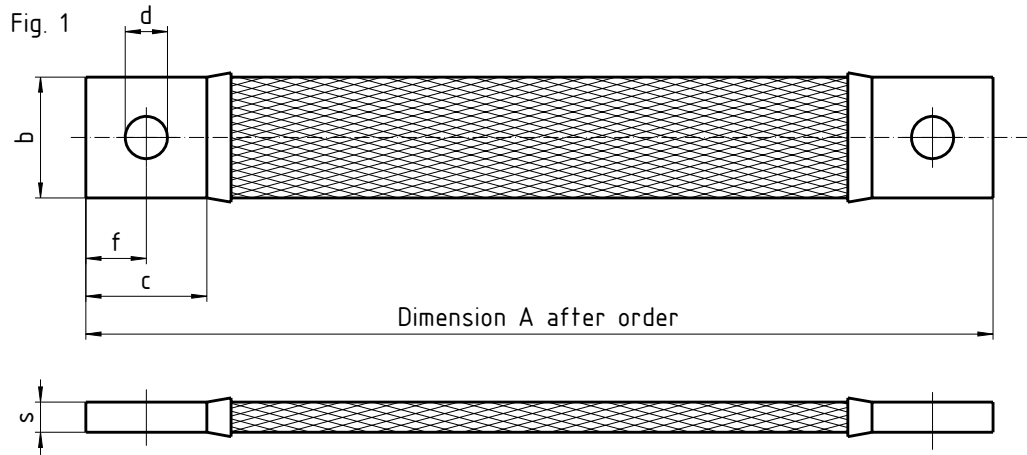
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Select table for flexible current-leads

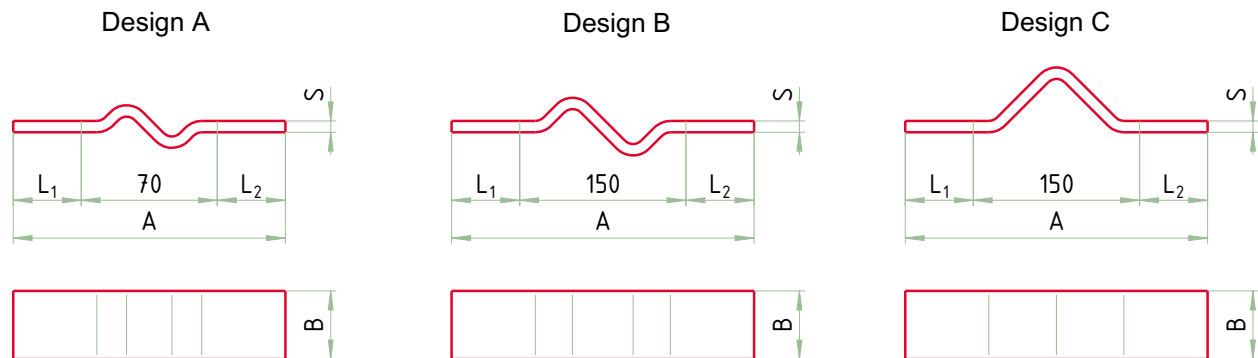
current-lead-type	rated current [A]				Dimension of cable lug		Weight [kg]		Dimension table					
	without protection hose		with protection hose		Dim. b [mm]	Dim. s [mm]	Dim. A 500 mm	pro 100 mm	c	d	e	f	e1	f1
	Gs	50Hz	Gs	50Hz										
30/5	310	300	220	210	30 Fig. 1	4	0,30	0,05	30	11	--	15	--	--
30/7,5	400	385	290	280		5	0,43	0,075						
30/15	580	565	410	400		9	0,83	0,15						
30/20	710	690	475	460		10	1,08	0,20						
40/5	310	300	245	235	40 Fig. 1	4	0,33	0,05	40	14	--	20	--	--
40/10	450	440	345	335		5	0,58	0,10						
40/15	580	565	425	410		7	0,88	0,15						
40/25	780	760	630	610		10	1,05	0,25						
40/40	1090	1070	790	770		14	2,40	0,40						
50/14	580	570	460	450	50 Fig. 1	6	0,90	0,14	50	14	--	25	--	--
50/21	750	740	610	600		8	1,25	0,21						
50/35	1020	1000	780	760		11	1,98	0,35						
50/50	1290	1265	1000	975		15	2,82	0,50						
60/14	625	610	500	485	60 Fig. 2	7	1,05	0,14	60	14	26	17	--	--
60/28	960	945	730	710		9	1,78	0,28						
60/42	1200	1180	920	900		12	2,50	0,42						
60/56	1480	1450	1080	1050		14	3,36	0,56						
60/100	2125	--	1620	--		25	5,40	1,00						
60/140	2700	--	2000	--		34	7,50	1,40						
80/34	1150	1125	920	900	80 Fig. 3	12	2,34	0,34	80	14	40	20	40	20
80/50	1420	1390	1120	1090		12	3,14	0,50						
80/84	1940	1900	1430	1390		15	4,84	0,84						
80/100	2150	--	1860	--		17	5,64	1,00						
80/168	3050	--	2200	--		30	9,20	1,68						
100/42	1350	1325	1080	1060	100 Fig. 3	9	2,85	0,42	80	14	50	25	40	20
100/70	1820	1790	1400	1375		12	4,25	0,70						
100/100	2250	2210	1740	1700		15	5,80	1,00						
100/140	2800	--	2050	--		18	7,80	1,40						
100/196	3450	--	2550	--		25	10,70	1,960						
120//56	1750	1700	1360	1310	120 Fig. 3	9	3,65	0,56	80	14	60	30	40	20
120/84	2200	2140	1650	1600		12	5,12	0,84						
120/112	2600	2525	1960	1900		14	6,52	1,12						
120/170	3300	--	2500	--		21	9,70	1,70						
120/252	4200	--	3200	--		30	13,92	2,52						
120/336	5100	--	3950	--		35	18,16	3,36						
120/450	6250	--	4900	--		44	23,64	4,50						

Special design on inquiry.

Dimension for flexible current-leads



Dimensional drawings for copper expansion strips in pressure-welded design



General:

The expansion strips consist of 0.1 mm thick SE-CU sheet metal. The contact ends are manufactured in pressure-welded design. For manufacturing reasons, the connection ends should be restricted to a length of 200 mm.

Kindly let us have your enquiry in case of longer connection ends or individual problem definitions, so that we may submit a proposal to you.

Normally, the expansion strips are supplied undrilled. However, we recommend delivery with drilled connecting lugs; drill-holes according to DIN 43673, sheet 1 and 2; drill-holes for conductor rails and screw connections according to DIN 46206, sheet 2. Connections for electrical equipment according to drawings or specifications.

Instruction for installation:

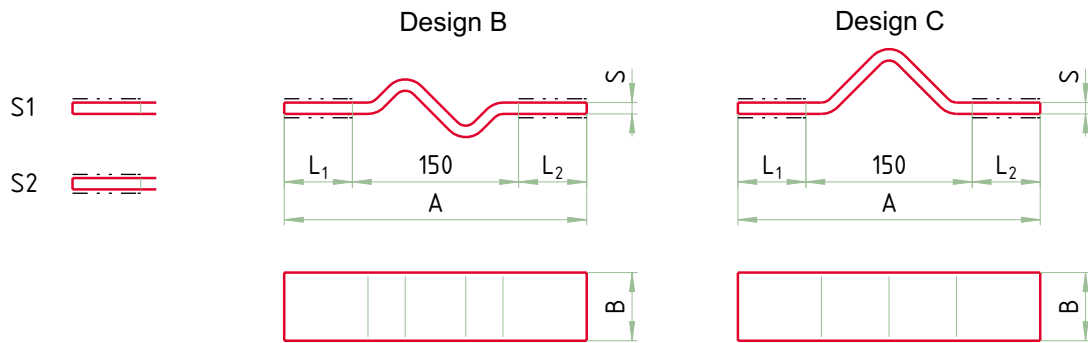
If expansion strips of design A or B are to be installed on top of each other, please point this out on your purchase order so that we may manufacture the expansion strips accordingly.

Dimensions for continuous current according to DIN 43671 (copper conductor rails).

Selection table copper expansion strips

Type	Dimensions B x S [mm]	Cu-cross-section [mm ²]	Type	Dimensions B x S [mm]	Cu-cross-section [mm ²]
HCuD	28 x 5	140	HCuD	38 x 15	570
HCuD	38 x 5	190	HCuD	48 x 15	720
HCuD	48 x 5	240	HCuD	58 x 15	870
HCuD	58 x 5	590	HCuD	78 x 15	1170
HCuD	68 x 5	340	HCuD	98 x 15	1470
HCuD	38 x 10	380	HCuD	38 x 20	760
HCuD	48 x 10	480	HCuD	48 x 20	960
HCuD	58 x 10	580	HCuD	58 x 20	1160
HCuD	78 x 10	780	HCuD	78 x 20	1560
HCuD	98 x 10	980	HCuD	98 x 20	1960

Dimensional drawings for copper expansion strips
in pressure-welded design with silver-plated connection ends



- S1 one side per connection end with silver coating
- S2 both sides of the connection ends with silver coating

General:

The expansion strips consist of 0.1 mm thick SE-CU sheet metal. The contact ends are manufactured in pressure-welded design. S-end pieces with welded-on silver plates, silver coating standard 80 mm. For manufacturing reasons, the connection ends should be restricted to a length of 200 mm.

Kindly let us have your enquiry in case of longer connection ends or individual problem definitions, so that we may submit a proposal to you.

Normally, the expansion strips are supplied undrilled. However, we recommend delivery with drilled connecting lugs; drill-holes according to DIN 43673, sheet 1 and 2; drill-holes for conductor rails and screw connections according to DIN 46206, sheet 2. Connections for electrical equipment according to drawings or specifications.

Instruction for installation:

If expansion strips of design A or B are to be installed on top of each other, please point this out on your purchase order so that we may manufacture the expansion strips accordingly.

Dimensions for continuous current according to DIN 43671 (copper conductor rails).

Selection table copper expansion strips
with silver-plated connection ends

Type	Dimensions B x S [mm]	Cu-cross-section [mm ²]
HCuDAg	38 x 10	380
HCuDAg	48 x 10	480
HCuDAg	58 x 10	580
HCuDAg	38 x 15	570
HCuDAg	48 x 15	720
HCuDAg	58 x 15	870
HCuDAg	38 x 20	760
HCuDAg	48 x 20	960
HCuDAg	58 x 20	1160

Manufacturing-program

026/1	pole-changing switches, change over switches, circuit breakers
145	NF and MF high-current switches (air-cooled)
280	NF and MF contactors for off-load switching
282	Damping resistors
350/1	DC- and NF-contactors for on-load switching
421	Prism-contacts (air- and water-cooled)
427	NF and MF high-current switches (watercooled)
460	insulator-supports and bus-bar-supports
467	MF-contactors for on-load switching
475/1	Prism-contacts (air-cooled)
502	cable (air- and water-cooled)
506	discharge- and dropping-resistors
507	capacitor-contactor for on-load switching
549	contactors with NC-contacts for on-load switching
559	Prism-contacts for the electrode-position
560	spare parts
600	pole-changing switches, with motor-drive (water-cooled)
615	NF and MF high-current circuit breaker for off-load switching (water-cooled)
617	NF and MF high-current circuit breaker for off-load switching (air-cooled)
624	contactors with NC-contacts off-load switching
625	DC-contactors with brake-contacts
641	<i>Air-cooled-current-carrying leads</i>