

ELECTRON-T



PRODUCT
CATALOG

ABOUT US

Scientific-production enterprise «Electron-T» was established in 1963 in Lviv, Ukraine. Since then, it is one of the biggest leaders in the manufacturing industry for household and professional kitchen hotplates; tubular heating elements for water heaters; electric heating systems; professional cooking equipment; electrical appliances; medical devices and ventilation systems.

The enterprise has an integrated management system as required

BS EN ISO 9001:2015,
BS EN ISO 14001:2015 and
BS EN ISO 45001:2018.

Our products have been tested in the laboratories of TUV NORD Baltik LLC and TSU Piestany, Slovak Republic for compliance with the basic requirements specified in the Low Voltage Directive 2014/35/EU and the requirements of current standards.

Advanced manufacturing technologies and high-quality materials allowed Electron-T to become a reliable partner for large manufacturers of household appliances and enterprises for the production of professional heating, refrigeration, and ventilation equipment.

Electron-T always maintains a high level of service to its clients, which is expressed in the engineering service and logistic support. Minimal deadlines for ordering and punctual delivery of quality products are the main credo policies of Electron-T.



**DESIGN AND BASIC DIMENSIONS
OF TUBULAR HEATING ELEMENTS**

**TUBULAR HEATING ELEMENTS
FOR HOUSEHOLD WATER HEATERS**

**TUBULAR HEATING ELEMENTS FOR HOUSEHOLD AND INDUSTRIAL
BOILERS, STEAM GENERATORS AND INDIVIDUAL HEATING SYSTEMS**

TUBULAR HEATING ELEMENTS FOR SAUNAS

**TUBULAR HEATING ELEMENTS FOR ELECTRIC AIR HEATERS,
CONVECTOR'S AND HEATING CURTAINS**

**TUBULAR HEATING ELEMENTS FOR HOUSEHOLD
AND PROFESSIONAL WASHING MACHINES**

**TUBULAR HEATING ELEMENTS
FOR PROFESSIONAL COOKING EQUIPMENT**

**TUBULAR HEATING ELEMENTS FOR HOUSEHOLD
FOR OVENS AND COOKERS**

**FASTENING AND FIXING ELEMENTS
FOR TUBULAR HEATING ELEMENTS**

**TECHNOLOGY, DESIGN,
PARAMETERS FOR HOTPLATES**

HOTPLATES FOR HOUSEHOLD KITCHEN

HOTPLATES FOR PROFESSIONAL KITCHEN

**FASTENING AND FIXING ELEMENTS
FOR HOTPLATES**

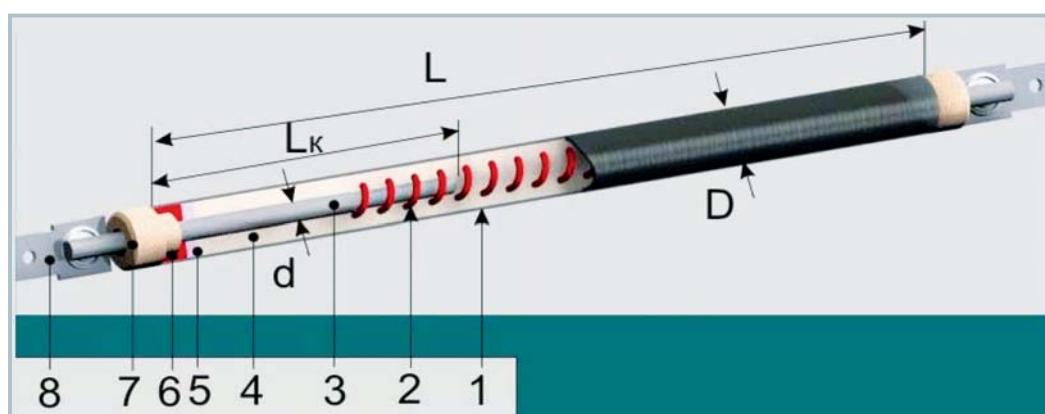
DESIGN AND BASIC DIMENSIONS OF TUBULAR HEATING ELEMENTS

For the production of tubes heating elements are used the modern high-quality equipment of the well-known companies such as: «Kanthal Machinery AB» (Sweden); «Oakley Industries, INC» (USA); «CSM Machinery, srl» (Italy); «Granolund Machinery» (Sweden); «Taip Automation, srl» (Italy), «FAGOR SISTEMAS, S. Coop. Ltda» (Spain).

The materials, used for the production of tubes heating elements, provide high reliability and long service life.

Tubular heating elements is a heater that consists of a metal tube, inside which is placed a heating spiral from a wire with high ohmic resistance. The spiral is separated from the walls of the tube by material, that provides electrical insulation and heat transfer. As such material is used magnesium oxide (MgO). To the ends of the spiral welded contact terminal. The main function of tubes heating elements is the transformation of electrical energy into heat. The tubes heating elements design is depicted in the below drawing 1.

Draw. 1.



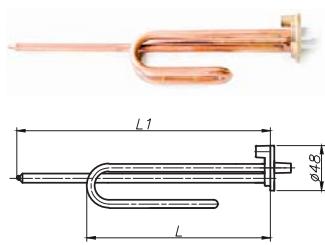
- 1 – shell (tubes material) (copper, carbon steel, stainless steel)
- 2 – heating spiral
- 3 – contact rod
- 4 – filler – magnesium oxide (MgO)
- 5 – varnish
- 6 – sealant
- 7 – ceramic plug
- 8 – terminal pin

- D** – diameter of the tubular heater (6.25; 6.5; 6.6; 8.5; 10; 13 mm)
- d** – diameter of the contact pin (\varnothing 2.3; \varnothing 2.5; \varnothing 3; \varnothing 4; M3; M4)
- L** – total length of the tubular heater in unfolded condition
- L_k** – cold zone – the length of the contact terminal inside the tubular heater – from 25 mm – to 650 mm

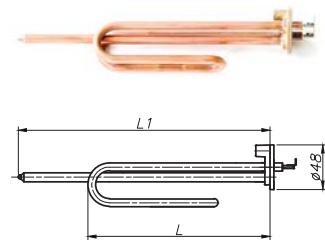
Shell material	Diameter, mm					
	6.25	6.5	6.6	8.5	10	13
copper	–	300-2700	–	330-3900	330-3900	–
carbon steel	–	–	300-2700	–	–	330-2350
AISI 201, 304, 309, 316L, 321, INCOLOY	300-2700	300-2700	–	330-3900	330-3900	330-2350

length of the heater, mm

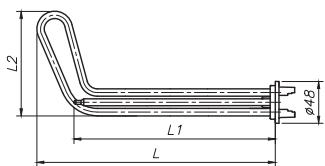




Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm (Tube for thermostat ø8)
681-01	220, 230	1200	Copper	8.5	165	280
681-02	220, 230	1500	Copper	8.5	165	280
681-03	220, 230	2000	Copper	8.5	165	280
681-04	220, 230	2000	Copper	8.5	265	280
681	220, 230	2500	Copper	8.5	265	280
681-10	220, 230	2500	Copper	8.5	300	280
681-09	220, 230	3000	Copper	8.5	275	280
681-05	220, 230	3000	Copper	8.5	265	280
681-06	220, 230	3500	Copper	8.5	265	280
681-07	220, 230	3500	Copper	8.5	300	280
681-08	220, 230	4000	Copper	8.5	300	280
983	220, 230	1500	Copper	8.5	175	280
352	220, 230	1500	Copper	8.5	200	280
352-01	220, 230	1500	Copper	8.5	175	280
603	220, 230	1500	Copper	8.5	235	280

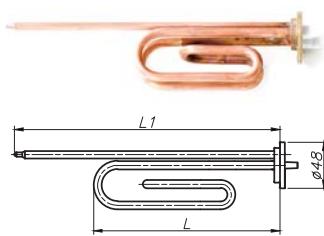


Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm Tube for thermostat	
						ø8	ø10
669	220, 230	1500	Copper	8.5	200	-	280
669-01	220, 230	1500	Copper (covering Ni)	8.5	200	-	280
876	220, 230	1200	Copper	8.5	155	280	-
876-01	220, 230	1500	Copper	8.5	155	280	-
876-02	220, 230	2000	Copper	8.5	155	280	-
876-03	220, 230	1500	Copper	8.5	255	280	-
876-04	220, 230	2000	Copper	8.5	255	280	-
876-05	220, 230	2500	Copper	8.5	255	280	-
876-06	220, 230	3000	Copper	8.5	255	280	-
876-07	220, 230	3500	Copper	8.5	255	280	-
876-08	220, 230	3500	Copper	8.5	265	280	-
876-09	220, 230	4000	Copper	8.5	265	280	-
876-10	220, 230	3000	Copper	8.5	265	280	-

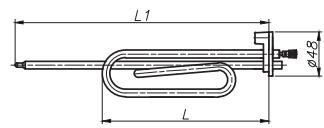


Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm Tube for thermostat ø8)	L2, mm
1389	220, 230	2000	Copper	8.5	320	280	120

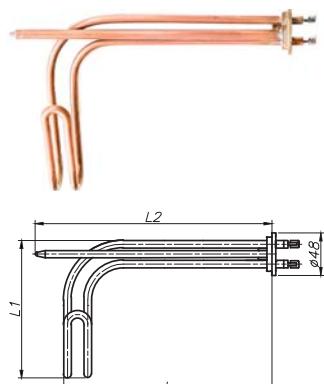
TUBULAR HEATING ELEMENTS FOR HOUSEHOLD WATER HEATERS



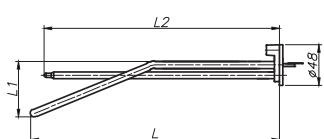
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm Tube for thermostat ø8)
594	220, 230	1500	Copper	8.5	155	280
791	220, 230	2000	Copper	8.5	200	280



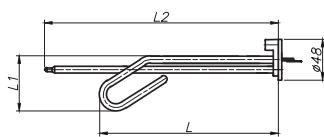
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm Tube for thermostat ø8)
683	220, 230	2000	Copper	8.5	185	280
684	220, 230	2500	Copper	8.5	200	280
1024	220, 230	2000	Copper	8.5	200	280
1256	220, 230	2500	Copper	8.5	200	280



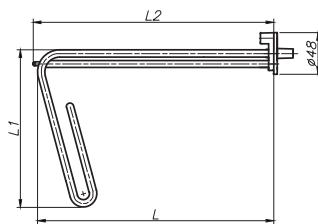
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm Tube for thermostat ø8	ø10
366	220, 230	1500	Copper	8.5	250	195	-	280
366-01	220, 230	1500	Copper (covering Ni)	8.5	250	195	-	280
368	220, 230	1500	Copper	8.5	250	155	-	280
368-01	220, 230	1500	Copper (covering Ni)	8.5	250	155	-	280
1043	220, 230	1500	Copper	8.5	250	195	280	-
1043-01	220, 230	1500	Copper (covering Ni)	8.5	250	195	280	-
1044	220, 230	1500	Copper	8.5	250	155	280	-
1044-01	220, 230	1500	Copper (covering Ni)	8.5	250	155	280	-



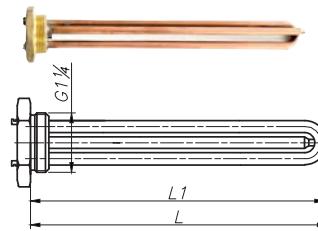
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm Tube for thermostat ø8)
997	220, 230	1000	Copper	8.5	295	65	280



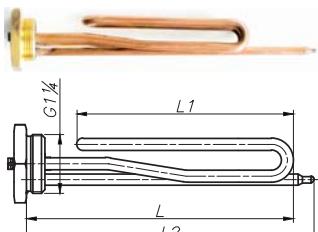
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm Tube for thermostat ø10)
998	220, 230	1500	Copper	8.5	215	65	280



Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm Tube for thermostat ø8)
1010	220, 230	3000	Copper	8.5	275	180	280

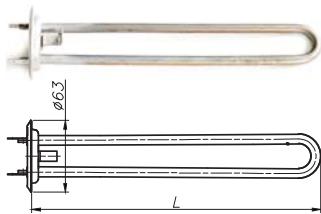


Code RIVS. 681827.	Voltage (V)	Power W	Material	Diam.	L, mm	L1, mm Tube for thermostat ø8)
555	220, 230	1200	Copper	8.5	282	280
562	220, 230	1500	Copper	8.5	282	280
1050	220, 230	2000	Copper	8.5	282	280

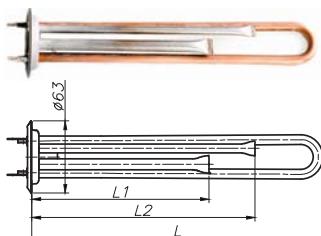


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm Tube for thermostat ø8)
875	220, 230	1200	Copper	8.5	166	115	280
875-01	220, 230	1500	Copper	8.5	166	115	280
875-14	220, 230	2000	Copper	8.5	166	115	280
875-02	220, 230	1500	Copper	8.5	216	164	280
875-03	220, 230	2000	Copper	8.5	216	164	280
875-04	220, 230	2500	Copper	8.5	216	164	280
875-05	220, 230	3000	Copper	8.5	216	164	280
875-06	220, 230	2000	Copper	8.5	274	200	280
875-07	220, 230	2500	Copper	8.5	274	200	280
875-08	220, 230	3000	Copper	8.5	274	200	280
875-09	220, 230	1500	Copper	8.5	304	252	280
875-10	220, 230	2500	Copper	8.5	304	252	280
875-11	220, 230	3000	Copper	8.5	304	252	280
875-12	220, 230	3000	Copper	8.5	395	346	280
875-13	220, 230	4000	Copper	8.5	395	346	280

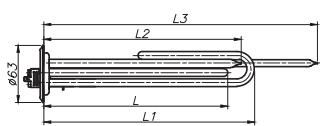
TUBULAR HEATING ELEMENTS FOR HOUSEHOLD WATER HEATERS



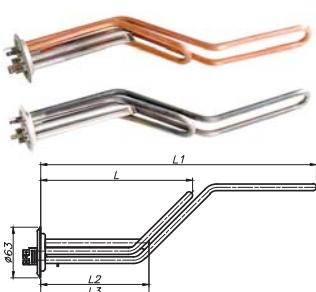
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
349-03	220, 230	700	AISI-304	8.5	235
395	220, 230	700	Copper	8.5	235
897	220, 230	700	Copper	8.5	245
1224	220, 230	700	AISI-304	8.5	235



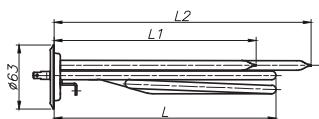
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm (Tube for thermostat ø10)	L2, mm (Tube for thermostat ø7,5)
350	220, 230	1300	AISI-304	8.5	310	150	190
350-01	220, 230	1300	Copper	8.5	310	150	190
361	220, 230	1300	Copper	8.5	245	150	190
361-01	220, 230	1300	AISI-316L	8.5	245	150	190
1225	220, 230	1300	AISI-304	8.5	310	150	190
961	220, 230	1300	AISI-304	8.5	245	150	190
896	220, 230	1300	Copper	8.5	310	150	190



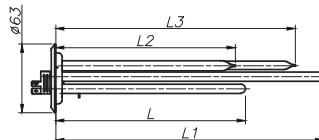
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm (Tube for thermostat ø10)	L3, mm (Tube for thermostat ø7,5)
502	220, 230	2000 (500+1500)	Copper	8.5	200	230	215	300
1297	220, 230	2000 (500+1500)	Copper	8.5	200	230	215	300



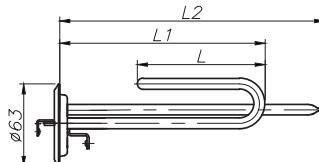
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm (Tube for thermostat ø10)	L3, mm (Tube for thermostat ø7,5)
545	220, 230	2000 (700+1300)	Copper	8.5	185	340	130	130
378-01	220, 230	2000 (700+1300)	AISI-304	8.5	185	340	130	130
1230	220, 230	2000 (700+1300)	AISI-304	8.5	185	340	130	130
503	220, 230	2000 (700+1300)	Copper	8.5	300	365	130	230
473	220, 230	2500 (900+1600)	Copper	8.5	185	340	130	130



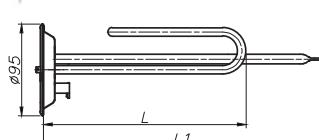
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm (Tube for thermostat ø10)	L2, mm (Tube for thermostat ø7,5)
598	220, 230	1500	Copper	8.5	215	250	250
1290	220, 230	2000	Copper	8.5	215	210	310
1229	220, 230	1500	Copper	8.5	215	250	250
599	220, 230	2000	Copper	8.5	215	210	310



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm (Tube for thermostat ø10)	L3, mm (Tube for thermostat ø7,5)
894	220, 230	1000 (350+650)	Copper	8.5	160	250	300	300
618	220, 230	2000 (700+1300)	AISI-304	8.5	235	310	170	220
351	220, 230	2000 (700+1300)	AISI-304	8.5	190	310	170	220
895	220, 230	2000 (700+1300)	Copper	8.5	195	310	260	295
1226	220, 230	2000 (700+1300)	AISI-304	8.5	235	310	170	235
946-01	220, 230	2000 (700+1300)	AISI-304	8.5	190	245	170	220
619	220, 230	2000 (700+1300)	Copper	8.5	190	310	170	220

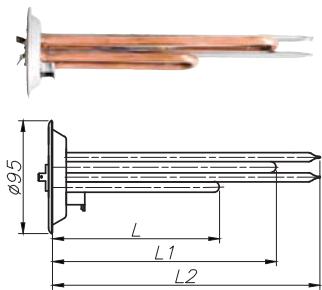


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm (Tube for thermostat ø10)	L2, mm (Tube for thermostat ø7,5)
1234	220, 230	1300	Copper	8.5	120	240	235
1161	220, 230	1500	Copper	8.5	100	140	180

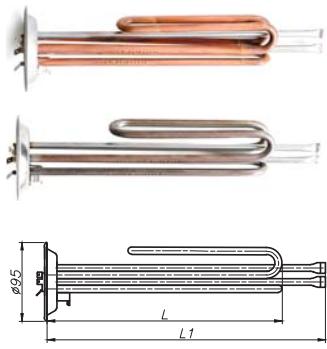


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	
						Tube for thermostat ø8	Tube for thermostat ø10
953	220, 230	1500	Copper	8.5	190	-	285
956	220, 230	1500	AISI-304	8.5	190	-	285
953-01	220, 230	1800	Copper	8.5	220	-	285
956-01	220, 230	1800	AISI-304	8.5	220	-	285
953-02	220, 230	2000	Copper	8.5	235	-	285
956-02	220, 230	2000	AISI-304	8.5	235	-	285
1186	220, 230	1500	INCOLOY-800	8.5	220	300	-
1186-01	220, 230	1500	AISI-316L	8.5	220	300	-
1186-02	220, 230	1500	Copper	8.5	220	300	-

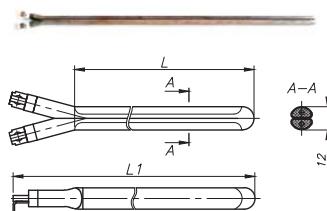
TUBULAR HEATING ELEMENTS FOR HOUSEHOLD WATER HEATERS



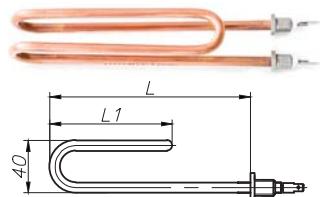
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm (Tube for thermostat ø7,5, 2 pcs.)
979	220, 230	1000 (350+650)	Copper	8.5	170	260	295
549	220, 230	1500 (750+750)	AISI-304	8.5	280	280	290
958	220, 230	1500 (700+800)	AISI-304	8.5	280	280	330
993	220, 230	1500 (700+800)	AISI-304	8.5	280	310	330
719	220, 230	2000 (800+1200)	Copper	8.5	220	300	325
882	220, 230	2500 (1000+1500)	Copper	8.5	240	320	325



Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm (Tube for thermostat ø7,5, 2 pcs.)
994	220, 230	2000 (700+1300)	AISI-304	8.5	280	330
370	220, 230	2000 (700+1300)	AISI-304	8.5	280	330
1189	220, 230	2000 (700+1300)	AISI-316L	8.5	280	330
1189-01	220, 230	2000 (700+1300)	Copper	8.5	280	330
1187	220, 230	2500 (1000+1500)	AISI-316L	8.5	280	330
1187-01	220, 230	2500 (1000+1500)	Copper	8.5	280	330
373	220, 230	2500 (1000+1500)	AISI-304	8.5	280	330



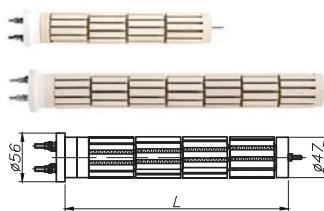
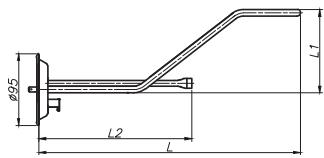
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
3071	220, 230	800	AISI-304	8.5	126	120
470	220, 230	800	AISI-304	8.5	340	370
471-01	220, 230	900	AISI-304	8.5	400	430
471	220, 230	1000	AISI-304	8.5	400	430
472	220, 230	1200	AISI-304	8.5	400	430
472-01	220, 230	1500	AISI-304	8.5	400	430



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
3963-01	220, 230	1500	Copper	8.5	183	140
3963	220, 230	2000	Copper	8.5	223	175



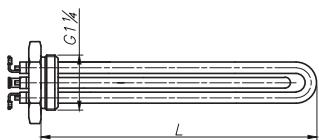
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm (Tube for thermostat ø12)
1145	220, 230	1500	Copper	8.5	340	105	200



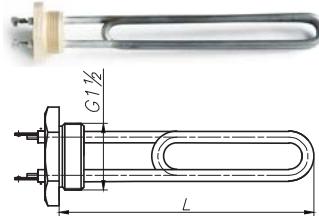
Code RIVS.681827.	Voltage (V)	Power (W)	L, mm
4740	220, 230	1000	265
1539-02	220, 230	1200	320
1539-01	220, 230	1800	320
917	220, 230	2000	376
1480	220, 230	2200	376
1540	220, 230	2200 (1000+1200)	376
941	220, 230	2400	428
1540-01	220, 230	2400 (1000+1400)	428
4028	220, 230	2600	428
1540-02	220, 230	2600 (1000+1600)	376
4741	220, 230	3000	428



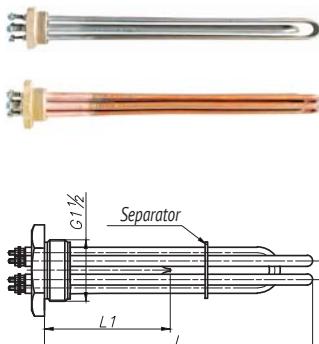
**TUBULAR HEATING ELEMENTS FOR HOUSEHOLD AND INDUSTRIAL BOILERS,
STEAM GENERATORS AND INDIVIDUAL HEATING SYSTEMS**



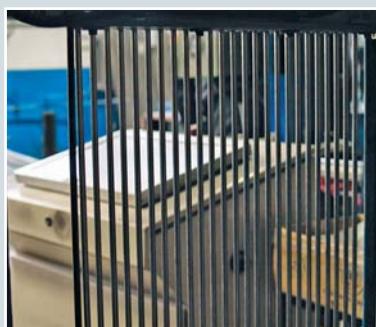
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
668	220, 230	4000 (2x2000)	Copper	8.5	320

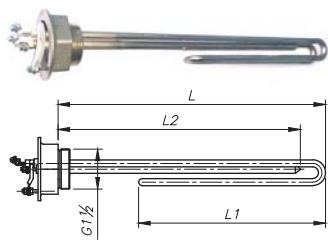


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
513	220, 230	2500	AISI-304	8.5	250
513-01	220, 230	4000	AISI-304	8.5	310



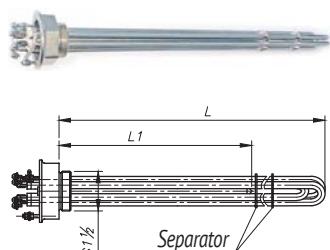
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm (Tube for thermostat ø7,5)	Separator
416	220, 230	3000 (3x1000)	AISI-304	8.5	360	-	-
590	220, 230	4500 (3x1500)	AISI-304	8.5	340	-	-
871	220, 230	5000 (3x1666)	Copper	8.5	730	-	1 pcs.
416-01	220, 230	6000 (3x2000)	AISI-304	8.5	410	-	-
677	220, 230	6000 (3x2000)	AISI-304	8.5	790	300	-
416-02	220, 230	9000 (3x3000)	AISI-304	8.5	585	-	-
893	220, 230	9000 (3x3000)	AISI-304	8.5	585	270	-
1253	220, 230	10000 (3x3666)	AISI-304	8.5	520	-	1 pcs.
999	220, 230	12000 (3x4000)	AISI-316L	8.5	330	-	-
904	380, 400	6000 (3x2000)	Copper	8.5	410	300 (ø10)	-
943	380, 400	9900 (3x3300)	Copper	8.5	790	-	2 pcs.
1295	380, 400	10000 (3x3666)	AISI-316L	8.5	590	330	1 pcs.





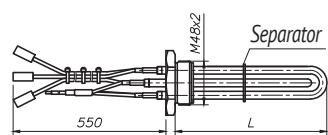
Covering Ni9

Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L mm	L1,mm (Tube for thermostat ø12)	L2,mm
1400	220, 230	2000	Copper	8.5	375	215	350
1399	220, 230	2500	Copper	8.5	400	255	350

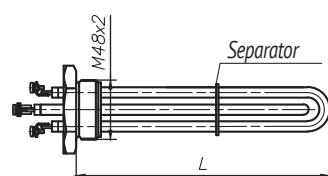


Covering Ni9

Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L mm	L1,mm (Tube for thermostat ø12)	Separator
1398	220, 230	3300 (3x1100)	Copper	8.5	420	350	1 pcs.
1401	220, 230	3300 (3x1100)	Copper	8.5	320	250	1 pcs.
1398-01	220, 230	3750 (3x1250)	Copper	8.5	445	350	1 pcs.
1401-01	220, 230	3750 (3x1250)	Copper	8.5	345	250	1 pcs.
1398-02	220, 230	4500 (3x1500)	Copper	8.5	495	350	2 pcs.
1401-02	220, 230	4500 (3x1500)	Copper	8.5	395	250	2 pcs.
1398-03	220, 230	6000 (3x2000)	Copper	8.5	515	350	2 pcs.
1401-03	220, 230	6000 (3x2000)	Copper	8.5	415	250	2 pcs.
1398-04	380, 400	7500 (3x2500)	Copper	8.5	680	350	2 pcs.
1401-04	380, 400	7500 (3x2500)	Copper	8.5	570	250	2 pcs.
1398-05	380, 400	9000 (3x3000)	Copper	8.5	715	350	2 pcs.
1401-05	380, 400	9000 (3x3000)	Copper	8.5	600	250	2 pcs.

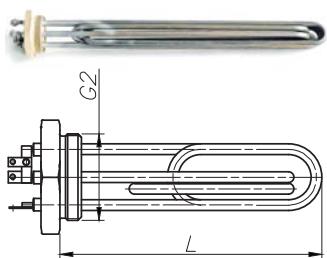


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L mm	Separator
1403	220, 230	3000 (3x1000)	Copper	8.5	240	-
1403-01	220, 230	6000 (3x2000)	Copper	8.5	440	+
1403-03	220, 230	6000 (3x2000)	Copper	8.5	365	+
1403-02	220, 230	7000 (3x2300)	Copper	8.5	440	+

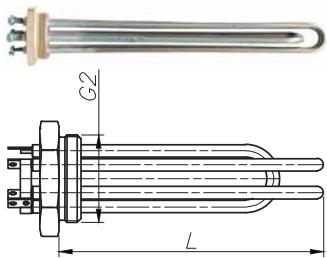


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L mm	Separator
1440	220, 230	3000 (3x1000)	Copper	8.5	240	-
1440-01	220, 230	6000 (3x2000)	Copper	8.5	440	+
1440-03	220, 230	6000 (3x2000)	Copper	8.5	365	+
1440-02	220, 230	7000 (3x2300)	Copper	8.5	440	+

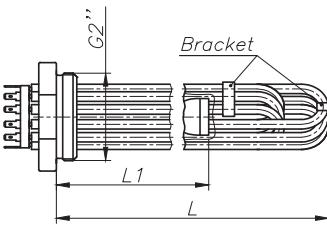
**TUBULAR HEATING ELEMENTS FOR HOUSEHOLD AND INDUSTRIAL BOILERS,
STEAM GENERATORS AND INDIVIDUAL HEATING SYSTEMS**



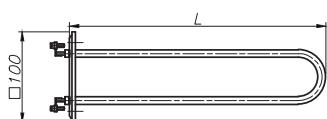
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
515	220, 230	7500 (3x2500)	AISI-304	8.5	350
515-01	220, 230	9000 (3x3000)	AISI-304	8.5	350
516	220, 230	12000 (3x4000)	AISI-304	8.5	395
518	220, 230	15000 (3x5000)	AISI-304	8.5	445
554	220, 230	15000 (3x5000)	AISI-304	8.5	445
1136	380, 400	12000 (3x4000)	AISI-304	8.5	395
1137	380, 400	15000 (3x5000)	AISI-304	8.5	445



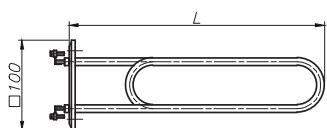
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
1035	220, 230	1500 (3x500)	AISI-304	8.5	735
418	220, 230	3000 (3x1000)	AISI-304	8.5	360
415	220, 230	4500 (3x1500)	AISI-304	8.5	330
1212	220, 230	4500 (3x1500)	AISI-304	8.5	330
514	220, 230	5100 (3x1700)	AISI-304	8.5	395
415-01	220, 230	6000 (3x2000)	AISI-304	8.5	395
415-02	220, 230	9000 (3x3000)	AISI-304	8.5	585
1287	380, 400	10000 (3x3330)	AISI-304	8.5	740
1275	380, 400	12500 (3x4160)	AISI-304	8.5	900
1275-01	380, 400	12500 (3x4160)	AISI-316L	8.5	900



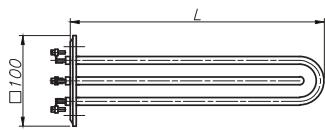
Code RIVS.681827.	Voltage V	Power (W)	Material	Diam.	L, mm	L (Tube for thermostat ø16)
1496	220, 230	6000 (6x1000)	AISI-316L	6.5	320	160
1406	220, 230	9000 (6x1500)	AISI-316L	6.5	420	160



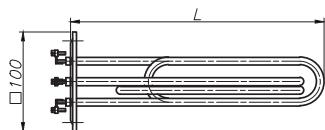
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
233-01	220, 230	1500	AISI-304	8.5	337
223-01	220, 230	2000	AISI-304	8.5	414



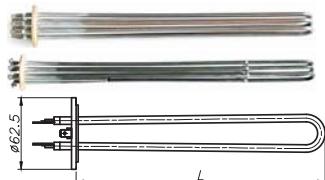
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
221-01	220, 230	3000	AISI-304	8.5	304
585	220, 230	3200	AISI-304	8.5	315
219-01	220, 230	4000	AISI-304	8.5	375
225-01	220, 230	5000	AISI-304	8.5	450



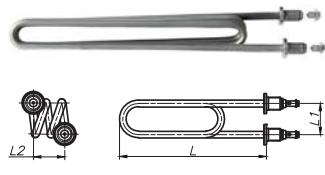
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
217-01	220, 230	4500 (3x1500)	AISI-304	8.5	370
611	220, 230	4500 (3x1500)	AISI-304	8.5	370
218-02	220, 230	6000 (3x2000)	AISI-304	8.5	440
612	220, 230	6000 (3x2000)	AISI-304	8.5	440



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
224-01	220, 230	9000 (3x3000)	AISI-304	8.5	334
220-01	220, 230	12000 (3x4000)	AISI-304	8.5	405
222-01	220, 230	15000 (3x5000)	AISI-304	8.5	480
613	220, 230	9000 (3x3000)	AISI-304	8.5	334
614	220, 230	12000 (3x4000)	AISI-304	8.5	405
617	220, 230	15000 (3x5000)	AISI-304	8.5	480

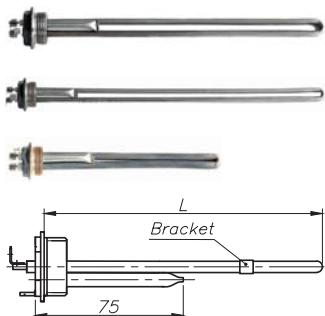


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
718-01	220, 230	6000 (3x2000)	AISI-304	6.5	315	156
413-01	220, 230	9000 (3x3000)	AISI-304	6.5	420	156

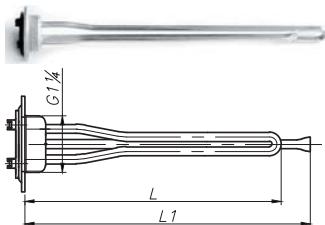


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
482	220, 230	2000	AISI-304	8.5	305	26	18
483-03	220, 230	3000	AISI-304	8.5	305	26	18
484-03	220, 230	3000	AISI-304	8.5	305	26	30
485-03	220, 230	4000	AISI-304	8.5	305	26	30
486-03	220, 230	5000	AISI-304	8.5	305	26	42
487-03	380, 400	4000	AISI-304	8.5	305	26	30
488-03	380, 400	5000	AISI-304	8.5	305	26	30
489-03	380, 400	6000	AISI-304	8.5	305	26	30

**TUBULAR HEATING ELEMENTS FOR HOUSEHOLD AND INDUSTRIAL BOILERS,
STEAM GENERATORS AND INDIVIDUAL HEATING SYSTEMS**

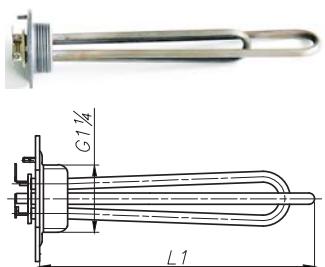


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm (Tube for thermostat ø7,5)	Bracket	Thread
3177	220, 230	390	AISI-304	6.5	210	75	-	Right
3168	220, 230	500	AISI-304	6.5	290	75	-	Left
3162	220, 230	500	AISI-304	6.5	380	75	-	Right
3169	220, 230	650	AISI-304	6.5	380	75	-	Left
3164	220, 230	900	AISI-304	6.5	540	75	-	Right
3170	220, 230	900	AISI-304	6.5	540	75	-	Left
3161	220, 230	1200	AISI-304	6.5	780	75	+	Right
3167	220, 230	1200	AISI-304	6.5	780	75	+	Left
3165	220, 230	1300	AISI-304	6.5	780	75	+	Right
3166	220, 230	1300	AISI-304	6.5	780	75	+	Left
3439	220, 230	390	AISI-304	8.5	210	75	-	Right
3440	220, 230	650	AISI-304	8.5	370	75	-	Right
3440-01	220, 230	650	AISI-304	8.5	370	75	-	Left
3441	220, 230	910	AISI-304	8.5	530	75	-	Right
3441-01	220, 230	910	AISI-304	8.5	530	75	-	Left
3442	220, 230	1300	AISI-304	8.5	780	75	+	Right
3442-01	220, 230	1300	AISI-304	8.5	780	75	+	Left

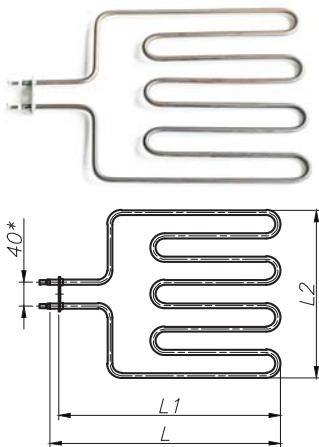


Covering Ni9

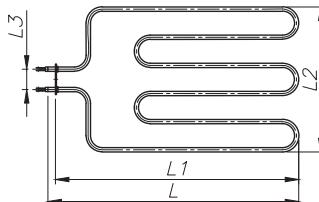
Code RIVS.681827.	Voltage V	Power (W)	Material	Diam.	L, mm	L1, mm (Tube for thermostat ø8)
560	220, 230	700	Carbon steel	6.6	255	290
560-01	220, 230	1000	Carbon steel	6.6	340	290
560-02	220, 230	1200	Carbon steel	6.6	340	290
560-03	220, 230	1500	Carbon steel	6.6	405	290
560-04	220, 230	2000	Carbon steel	6.6	535	290
560-05	220, 230	2500	Carbon steel	6.6	560	290



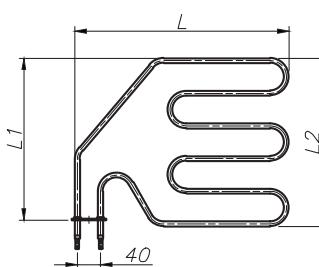
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
798	220, 230	1200 (700+500)	Carbon steel	6.6	195
794	220, 230	1200 (700+500)	Carbon steel	6.6	235
754	220, 230	1500 (900+600)	Carbon steel	6.6	235
796	220, 230	1500 (900+600)	Carbon steel	6.6	275
792	220, 230	2000 (1200+800)	Carbon steel	6.6	320
795	220, 230	2000 (1200+800)	Carbon steel	6.6	390
793	220, 230	2500 (1500+1000)	Carbon steel	6.6	390
797	220, 230	2500 (1500+1000)	Carbon steel	6.6	520
826	220, 230	3000 (1700+1300)	Carbon steel	6.6	445



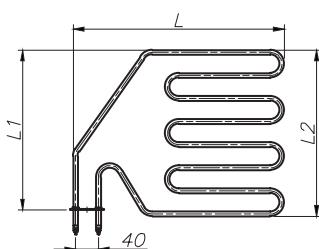
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L mm	L1, mm	L2, mm
561-03	220, 230	1500	AISI-304	8.5	400	385	290
1174	220, 230	2000	AISI-304	8.5	300	285	278
1069	220, 230	2000	AISI-304	8.5	380	365	290
561-01	220, 230	2000	AISI-304	8.5	400	385	290
1192	220, 230	2000	AISI-304	8.5	530	515	278
1445	220, 230	2000	AISI-304	8.5	520	505	300
561	220, 230	2500	AISI-304	8.5	400	385	290
1454	220, 230	2670	AISI-304	8.5	390	375	300
561-02	220, 230	3000	AISI-304	8.5	400	385	290
1486	220, 230	3000	AISI-304	8.5	410	380	300



Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L mm	L1, mm	L2, mm	L3, mm
1025	220, 230	1200	AISI-304	8.5	370	320	230	24
1193	220, 230	1500	AISI-304	8.5	530	515	286	40
1444	220, 230	1500	AISI-304	8.5	520	505	300	40
1068	220, 230	3000	AISI-304	8.5	700	685	150	40



Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L mm	L1, mm	L2, mm
911	220, 230	1670	AISI-304	8.5	370	281	292

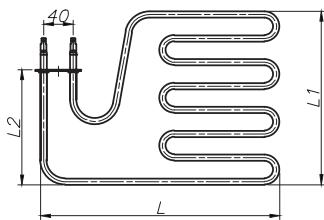


Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L mm	L1, mm	L2, mm
912	220, 230	2670	AISI-304	8.5	370	281	292

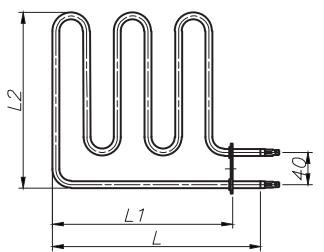
TUBULAR HEATING ELEMENTS FOR SAUNAS



Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
1021	220, 230	1500	AISI-304	8.5	445	230	161
1437	220, 230	1500	AISI-304	8.5	415	230	161
1437-01	220, 230	2000	AISI-304	8.5	415	230	161



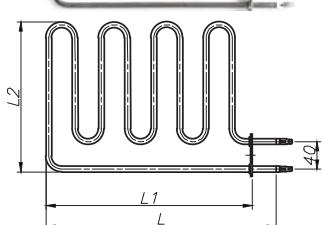
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
1475	220, 230	1500	AISI-304	8.5	415	240	125
940-01	220, 230	2000	AISI-304	8.5	445	292	151
1475-01	220, 230	2000	AISI-304	8.5	415	240	125
1481	220, 230	2150	AISI-304	8.5	435	240	125
940	220, 230	2500	AISI-304	8.5	445	292	151
1475-02	220, 230	2500	AISI-304	8.5	415	240	125
940-02	220, 230	3000	AISI-304	8.5	445	292	151



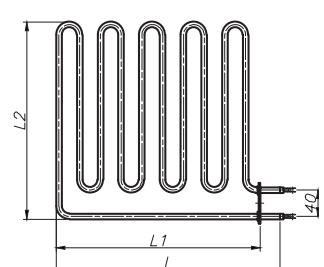
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
1011	220, 230	1500	AISI-304	8.5	335	300	300



Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
972	220, 230	2000	AISI-304	8.5	335	300	300

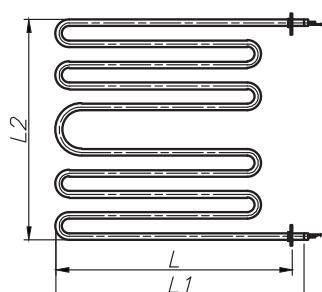
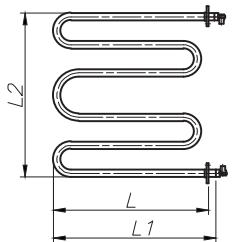


Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
1158	220, 230	2500	AISI-304	8.5	340	310	300
1499	220, 230	3000	AISI-304	8.5	333	300	300

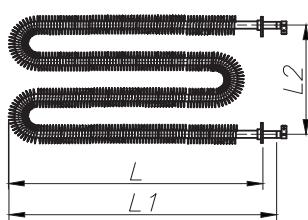




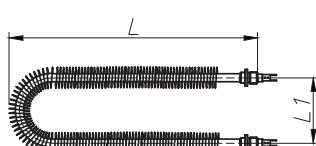
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
576	220, 230	1000	AISI-304	8.5	210	220	220
576-01	220, 230	1500	AISI-304	8.5	210	220	220
576-02	220, 230	1750	AISI-304	8.5	210	220	220
212	220, 230	1500	AISI-304	10	210	220	220
212-01	220, 230	1750	AISI-304	10	210	220	220
212-02	220, 230	2000	AISI-304	10	210	220	220



Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
577	220, 230	3000	AISI-304	8.5	305	320	284
3884	220, 230	4000	AISI-304	10	305	320	284

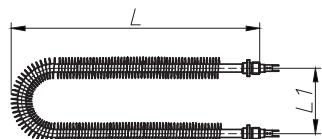


Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
4004	220, 230	1250	AISI-304	8.5	210	220	218
4004-01	220, 230	1500	AISI-304	8.5	210	220	218
4004-02	220, 230	1750	AISI-304	8.5	210	220	218
4004-03	220, 230	2000	AISI-304	8.5	210	220	218
1042	220, 230	1250	AISI-304	10	210	220	218
1042-01	220, 230	1500	AISI-304	10	210	220	218
1042-02	220, 230	1750	AISI-304	10	210	220	218
1042-03	220, 230	2000	AISI-304	10	210	220	218

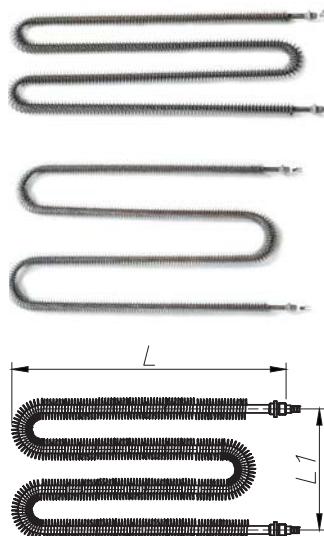


Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
3023	220, 230	1000	AISI-304	10	515	85
3025	220, 230	1000	AISI-304	10	618	85
3022	220, 230	1500	AISI-304	10	423	85
3024	220, 230	1500	AISI-304	10	470	85
3852	220, 230	2500	AISI-304	10	778	85

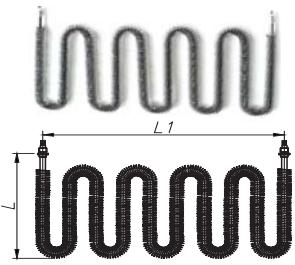
TUBULAR HEATING ELEMENTS FOR ELECTRIC AIR HEATERS, CONVECTOR'S AND HEATING CURTAINS



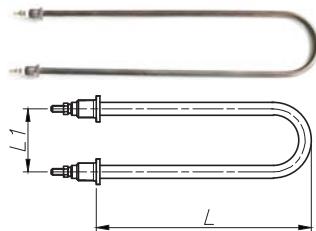
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L , mm	L_1 , mm
3127	220, 230	600	AISI-304	8.5	566	50
3131	380, 400	1500	AISI-304	8.5	357	50
3122	220, 230	2000	AISI-304	8.5	688	50
3124	380, 400	3000	AISI-304	8.5	663	80
3862	380, 400	3000	AISI-304	8.5	663	80
3128	380, 400	3000	AISI-304	8.5	763	80
3125	380, 400	3000	AISI-304	8.5	863	80
3126	380, 400	3000	AISI-304	8.5	963	80
3120	380, 400	3000	AISI-304	8.5	965	80
3123	380, 400	4000	AISI-304	8.5	663	80
3119	380, 400	4000	AISI-304	8.5	965	80
3130	380, 400	5000	AISI-304	8.5	663	80
3121	380, 400	5000	AISI-304	8.5	765	80
3129	380, 400	5000	AISI-304	8.5	965	80



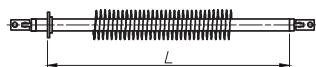
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L , mm	L_1 , mm
3115	220, 230	1500	AISI-304	8.5	385	150
3102	220, 230	2000	AISI-304	8.5	385	150
3111	220, 230	2000	AISI-304	8.5	485	258
3086	220, 230	3000	AISI-304	8.5	385	150
3108	220, 230	3000	AISI-304	8.5	485	150
3117	220, 230	3000	AISI-304	8.5	585	150
3114	220, 230	3000	AISI-304	8.5	585	258
3091	220, 230	3500	AISI-304	8.5	385	150
3118	220, 230	4000	AISI-304	8.5	385	150
3090	220, 230	4000	AISI-304	8.5	485	150
3092	220, 230	4000	AISI-304	8.5	485	258
3095	220, 230	4000	AISI-304	8.5	585	150
3105	220, 230	4000	AISI-304	8.5	585	258
3112	220, 230	5000	AISI-304	8.5	385	150
3106	380, 400	5000	AISI-304	8.5	485	150
3097	220, 230	5000	AISI-304	8.5	485	150
3093	220, 230	5000	AISI-304	8.5	485	258
3104	220, 230	5000	AISI-304	8.5	585	150
3103	220, 230	5000	AISI-304	8.5	585	258
3100	380, 400	6000	AISI-304	8.5	485	150
3094	380, 400	6000	AISI-304	8.5	485	258
3087	380, 400	6000	AISI-304	8.5	585	150
3107	380, 400	6000	AISI-304	8.5	585	258
3096	380, 400	7000	AISI-304	8.5	485	150
3109	380, 400	7000	AISI-304	8.5	485	258
3116	380, 400	7000	AISI-304	8.5	585	150
3099	380, 400	7000	AISI-304	8.5	585	258
3113	380, 400	8000	AISI-304	8.5	585	150
3110	380, 400	8000	AISI-304	8.5	585	258



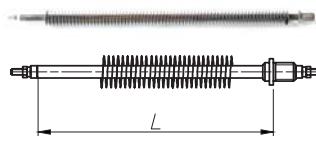
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
3088	220, 230	3300	AISI-304	8.5	196	350
3101	380, 400	4200	AISI-304	8.5	282	495
3089	380, 400	6000	AISI-304	8.5	265	450



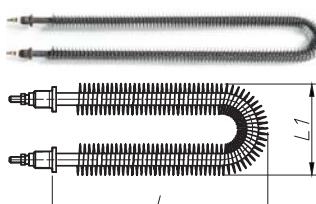
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
3044	220, 230	750	AISI-304	10	275	60
3045	220, 230	1000	AISI-304	8.5	380	80
3041	220, 230	1000	AISI-304	8.5	475	60
3036	220, 230	1500	AISI-304	8.5	680	90
3040	220, 230	1500	AISI-304	8.5	785	80
3037	220, 230	1500	AISI-304	8.5	580	130
3039	220, 230	2500	AISI-304	10	980	120
3042	220, 230	2500	AISI-304	10	880	120
3035	220, 230	2500	AISI-304	10	680	60
3038	220, 230	2800	AISI-304	10	855	60



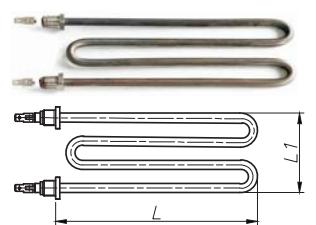
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
3473-01	220, 230	1000	AISI-304	8.5	660	60
3473	220, 230	1500	AISI-304	8.5	660	80
3972-01	220, 230	1500	AISI-304	8.5	810	60
3972	220, 230	2000	AISI-304	8.5	810	90



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
3939	220, 230	750	AISI-304	10	465
3940	220, 230	1000	AISI-304	10	615
3941	220, 230	1250	AISI-304	10	765
3942	220, 230	1400	AISI-304	10	805
3943	220, 230	1850	AISI-304	10	1065
3944	220, 230	2350	AISI-304	10	1365
3945	220, 230	2450	AISI-304	10	1395
3946	220, 230	2850	AISI-304	10	1665
3947	220, 230	2850	AISI-304	10	1705
3948	220, 230	2650	AISI-304	10	1845
3949	220, 230	2850	AISI-304	10	1965

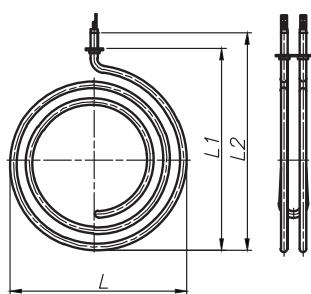


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
3023	220, 230	1000	AISI-304	10	515	85
3025	220, 230	1000	AISI-304	10	618	85
3022	220, 230	1500	AISI-304	10	423	85
3024	220, 230	1500	AISI-304	10	470	85
3852	220, 230	2500	AISI-304	10	778	85

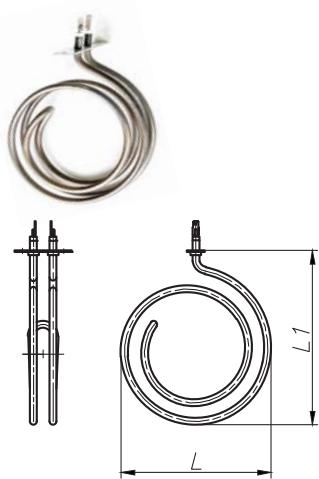


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
3020	220, 230	1000	AISI-304	8.5	190	75
3021	220, 230	1100	AISI-304	8.5	198	69

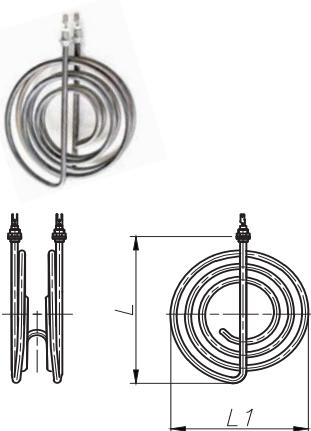
TUBULAR HEATING ELEMENTS FOR ELECTRIC AIR HEATERS, CONVECTORS AND HEATING CURTAINS



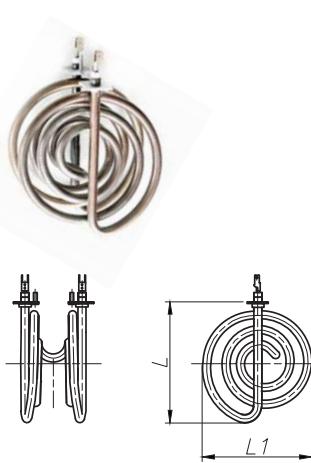
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1,mm	L2,mm
686	220, 230	1500	AISI-304	8.5	170	196	209
574	220, 230	2000	AISI-304	8.5	170	220	235
3890	220, 230	3000	AISI-304	10	266	315	337
575	220, 230	4000	AISI-304	10	266	315	337
3883	220, 230	4000	AISI-304	10	266	315	337
3883-01	220, 230	5000	AISI-304	10	266	315	337



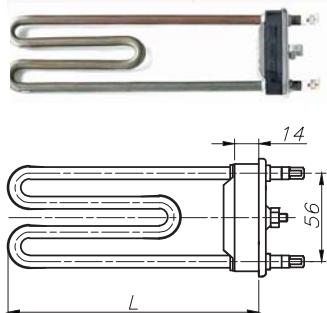
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1,mm
3011	220, 230	600	AISI-304	6.5	72	90
3017	220, 230	800	AISI-304	8.5	83	112
3010	220, 230	1500	AISI-304	8.5	125	148
3014	220, 230	1500	AISI-304	8.5	115	139
3019	220, 230	1500	AISI-304	8.5	135	170
3018	220, 230	1500	AISI-304	8.5	180	204
3015	220, 230	1500	AISI-304	8.5	180	204
3016	380, 400	1500	AISI-304	8.5	135	170
3013	380, 400	1500	AISI-304	8.5	115	139
3043	220, 230	3000	AISI-304	8.5	230	280
3012	380, 400	3000	AISI-304	8.5	230	280



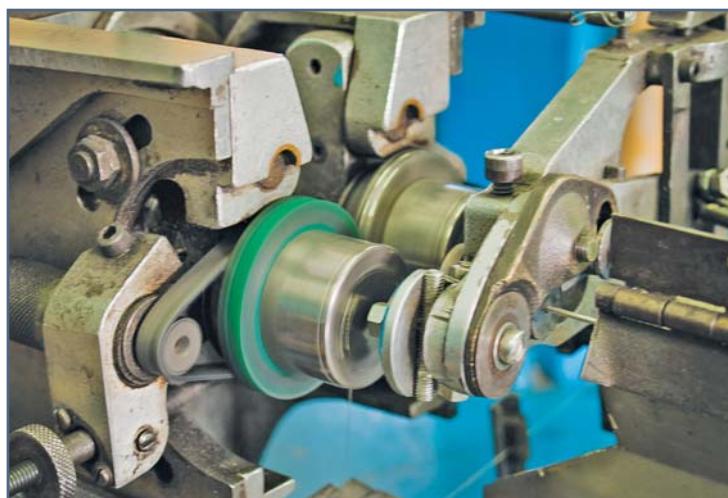
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1,mm
3143	220, 230	1200	AISI-304	8.5	280	268
3172	220, 230	1200	AISI-304	8.5	175	156
3151	220, 230	1200	AISI-304	8.5	220	190
3138	220, 230	1700	AISI-304	8.5	175	156
3145	220, 230	2000	AISI-304	8.5	280	268
3146	220, 230	2000	AISI-304	8.5	175	156
3150	220, 230	2000	AISI-304	8.5	220	190
3136	220, 230	3000	AISI-304	8.5	220	190
3147	220, 230	3000	AISI-304	8.5	280	268



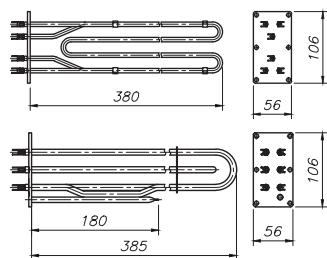
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1,mm
3132	220, 230	600	AISI-304	6.5	105	88
3142	220, 230	600	AISI-304	6.5	80	68
3148	220, 230	800	AISI-304	6.5	105	88
3149	220, 230	800	AISI-304	6.5	80	68
3071	220, 230	800	AISI-304	8.5	126	120
3134	220, 230	1200	AISI-304	8.5	126	120
3140	220, 230	1200	AISI-304	8.5	140	133
3133	220, 230	1700	AISI-304	8.5	126	120
3144	220, 230	1700	AISI-304	8.5	140	133
3135	220, 230	2000	AISI-304	8.5	126	120
3141	220, 230	2000	AISI-304	8.5	140	133



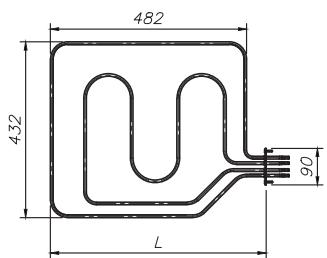
Code RIVS. 681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	The hole for the thermostat
1006	230	1950	AISI-304	8.5	175	+
1006-01	230	1950	AISI-304	8.5	175	-
1005	230	1950	AISI-304	8.5	230	+
1005-01	230	1950	AISI-304	8.5	230	-
3244	230	3500	AISI-304	8.5	410	+
1227	230	5000	AISI-304	8.5	450	-



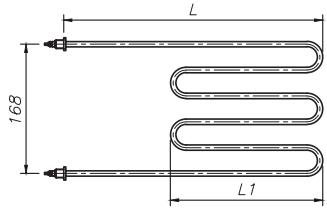
TUBULAR HEATING ELEMENTS FOR PROFESSIONAL COOKING EQUIPMENT



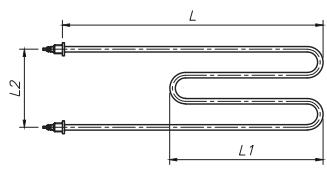
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
751	220, 230	9000 (3x3000)	AISI-304, 316L	6.5
752	220, 230	9000 (3x3000)	AISI-304	8.5



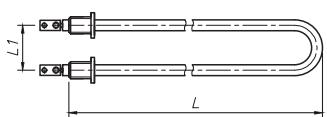
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
910	220, 230	2400 (1200+1200)	AISI-304	6.5	530
658	220, 230	2400 (1200+1200)	AISI-304	6.5	550



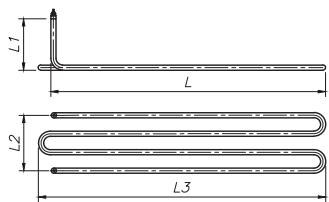
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	Flange
3052	220, 230	1700	AISI-304	10	375	227	M14x1.5 Carbon steel
3048	220, 230	2000	AISI-304	8.5	490	342	M14x1.5 Carbon steel
3049	220, 230	2000	AISI-304	10	326	228	M14x1.5 Carbon steel



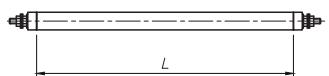
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm	Flange
3053	220, 230	500	AISI-304	8.5	549	375	255	M14x1.5 Carbon steel
3079	220, 230	800	AISI-304	8.5	354	315	280	M14x1.5 Carbon steel
3080	220, 230	800	AISI-304	8.5	449	360	280	M14x1.5 Carbon steel
3081	220, 230	1400	AISI-304	8.5	623	559	240	M14x1.5 Carbon steel



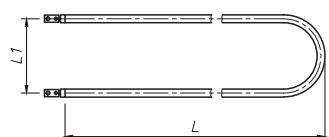
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	Flange
3057	220, 230	170	AISI-304	8.5	269	50	M14x1.5 AISI-430
3398	220, 230	1800	AISI-304	8.5	324	40	G1/2 AISI-430
3054	220, 230	2000	AISI-304	8.5	344	70	M14x1.5 AISI-430
3055	220, 230	2000	AISI-304	8.5	339	40	M14x1.5 AISI-430
3058	220, 230	1800	AISI-304	10	324	40	M14x1.5 AISI-430



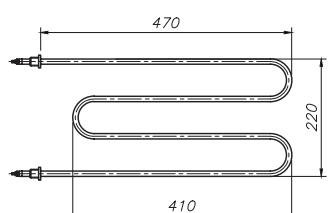
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm	L3, mm
3061	220, 230	1800	AISI-304	6.5	457	53	72	432
3062	220, 230	2000	AISI-304	10	365	80	150	380



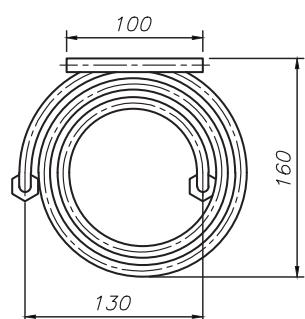
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
3063	110, 115	500	AISI-304	10	405
3068	220, 230	1000	AISI-304	13	670



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
1198	220, 230	560	Carbon steel	13	680	80
3078	220, 230	600	Carbon steel	13	588	80
1074	220, 230	700	Carbon steel	13	535	80
936	220, 230	800	Carbon steel	13	685	80
3077	220, 230	800	Carbon steel	13	720	100

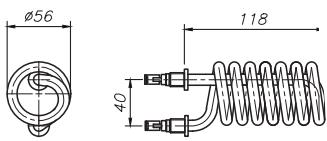


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	Flange
3748	220, 230	1000	AISI-304	10	M16x1.5 Carbon steel
3749	220, 230	1250	AISI-304	10	M16x1.5 Carbon steel

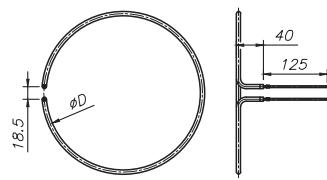


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	Flange
857	220, 230	3000	AISI-304	8.5	M14x1.5 AISI-304
857-01	220, 230	3000	AISI-304	8.5	M16x1.5 AISI-304

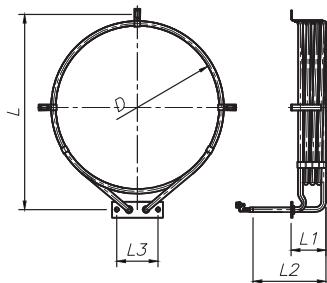
TUBULAR HEATING ELEMENTS FOR PROFESSIONAL COOKING EQUIPMENT



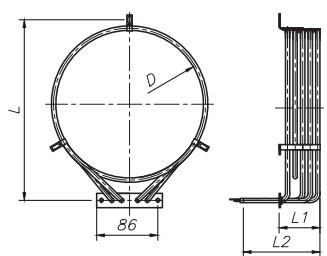
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	Flange
1183	220, 230	3000	AISI-304	8.5	M12x1.5 AISI-304
3426	220, 230	3000	AISI-304	8.5	M14x1.5 AISI-304
649	220, 230	4000	AISI-304	8.5	M12x1.5 AISI-304



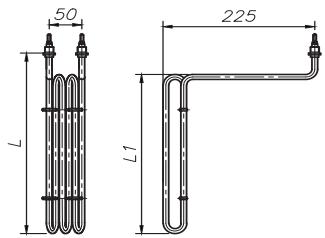
Code RIVS.681827	Voltage (V)	Power (W)	Material	Diam.	ØD, mm
3618	220, 230	400	AISI-304	6.25	201
3363	220, 230	580	AISI-304	6.25	271



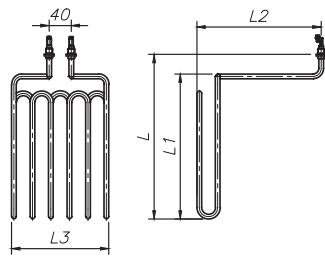
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	D, mm	L, mm	L1, mm	L2, mm	L3, mm
891	220, 230	2000	AISI-304	6.5	187	222	35	54	86
1016	220, 230	2200	AISI-304	6.5	198	258	35	61	54
950	220, 230	3000	AISI-304	8.5	195	205	62	116	56
647	220, 230	3000	AISI-304	8.5	230	274	47	101	56
1015	220, 230	3300	AISI-304	6.5	228	255	34	60	54
1141	220, 230	3300	AISI-304	8.5	230	260	47	67	54
1213	220, 230	4000	AISI-304	8.5	217	263	62	85	56
648	220, 230	4000	AISI-304	8.5	230	274	62	116	56
949	220, 230	4000	AISI-304	8.5	260	274	62	116	56



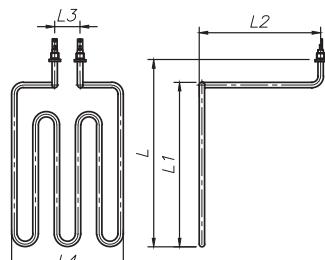
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	D, mm	L, mm	L1, mm	L2, mm
954	220, 230	4000 (1000+3000)	AISI-304	6.5	225	280	50	84
1142	220, 230	4900 (1900+3000)	AISI-304	6.5	225	277	75	135
1142-01	220, 230	4900 (1900+3000)	AISI-304	8.5	225	277	75	135



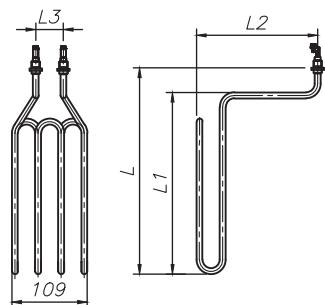
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	Flange
862	220, 230	2000	AISI-304	8.5	305	269	M12x1.5 AISI-430
862-01	220, 230	2600	AISI-304	8.5	475	438	M12x1.5 AISI-430



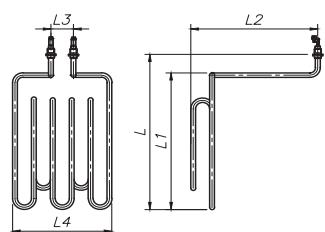
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm	L3, mm	Flange
1303	220, 230	4000	AISI-304	8.5	298	263	175	176	M12x1.5 AISI-430
1304	220, 230	4000	AISI-304	8.5	298	263	225	176	M12x1.5 AISI-430



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm	L3, mm	L4, mm	Flange
3059	220, 230	1700	AISI-304	8.5	253	210	169	64	161	M14x1.5 AISI-430
1027	220, 230	2200	AISI-304	10	277	245	161	34	182	M14x1.5 AISI-430
959	220, 230	2500	AISI-304	8.5	306	285	182	34	210	M14x1.5 AISI-430
3710	220, 230	2500	AISI-304	10	306	285	182	34	210	M12x1.5 AISI-430

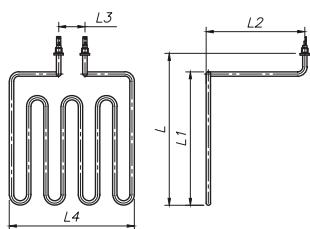


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm	L3, mm	Flange
1028	220, 230	2100	AISI-304	8.5	276	255	190	70	M12x1.5 AISI-430
1305	220, 230	2700	AISI-304	8.5	298	263	175	40	M12x1.5 AISI-430
1306	220, 230	2700	AISI-304	8.5	298	263	225	40	M12x1.5 AISI-430

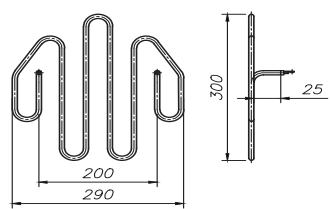


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm	L3, mm	L4, mm	Flange
1029	220, 230	3000	AISI-304	8.5	279	256	165	64	165	M12x1.5 AISI-430

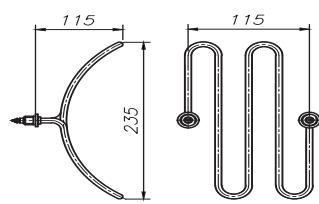
TUBULAR HEATING ELEMENTS FOR PROFESSIONAL COOKING EQUIPMENT



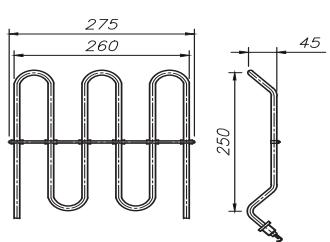
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm	L3, mm	L4, mm	Flange
1032	220, 230	2000	AISI-304	8.5	263	222	230	39	204	M14x1.5 AISI-430
1030	220, 230	2000	AISI-304	8.5	268	227	214	118	204	M14x1.5 AISI-430
521	220, 230	3200	AISI-304	8.5	280	260	165	18	195	Strap



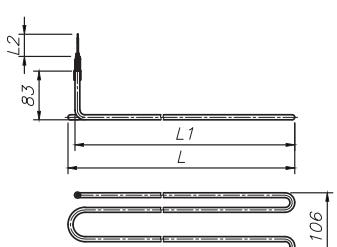
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
913	220, 230	2500	AISI-304	8.5



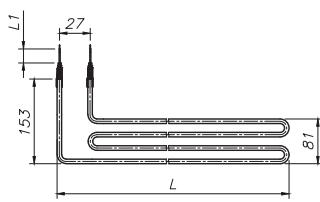
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	Flange
915	220, 230	1500	AISI-304	8.5	M12x1.5 AISI-430



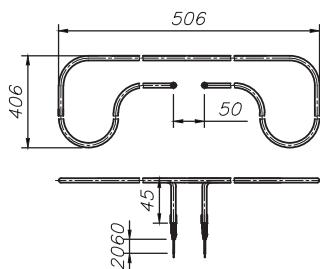
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	Flange
930	220, 230	2500	AISI-304	8.5	M14x1.5 AISI-304



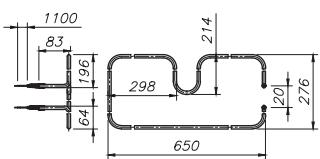
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm, Sealing of leads with thermo and water-resistant dielectric insulation
1255	220, 230	400	AISI-304	6.5	398	386	1200
1254	220, 230	650	AISI-304	6.5	650	635	1850
769-01	220, 230	700	AISI-304	6.5	398	386	1500
768-02	220, 230	1150	AISI-304	6.5	650	635	1850



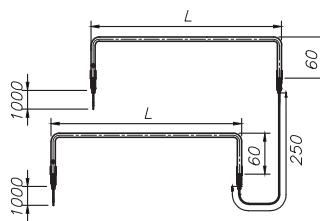
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	Note
771	220, 230	300	AISI-304	6.5	357	720
770-01	220, 230	500	AISI-304	6.5	455	1470
770	220, 230	500	AISI-304	8.5	455	1470



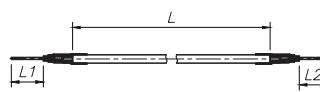
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	Note
772	220, 230	40	AISI-304	6.5	Sealing of leads with thermo and water-resistant dielectric insulation



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	Note
773	220, 230	300	AISI-304	6.5	Sealing of leads with thermo and water-resistant dielectric insulation

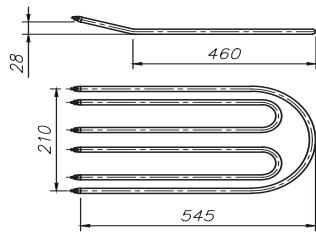


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	Note
1257-01	220, 230	250	AISI-304	8.5	310	Sealing of leads with thermo and water-resistant dielectric insulation
1257	220, 230	300	AISI-304	8.5	400	Sealing of leads with thermo and water-resistant dielectric insulation

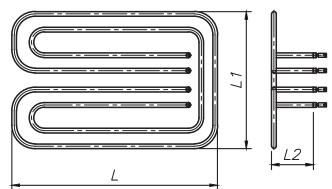


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm	Note
3308	110, 115	200	AISI-304	8.5	750	1500	3000	Sealing of leads with thermo and water-resistant dielectric insulation
1273	220, 230	250	AISI-304	6.5	720	1000	1000	
3172	220, 230	400	AISI-304	6.5	1350	1500	3000	
3311-01	220, 230	500	AISI-304	6.5	1650	700	2350	
3310	220, 230	600	AISI-304	6.5	1750	1700	3400	
3178	220, 230	1200	AISI-304	8.5	3550	1700	4000	

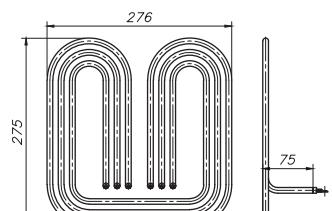
TUBULAR HEATING ELEMENTS FOR PROFESSIONAL COOKING EQUIPMENT



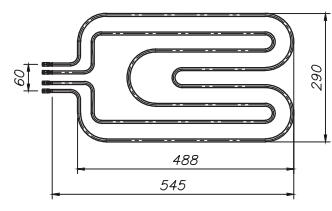
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
1049	220, 230	1200	AISI-304	13
1047	220, 230	1600	AISI-304	13
1048	220, 230	2400	AISI-304	13



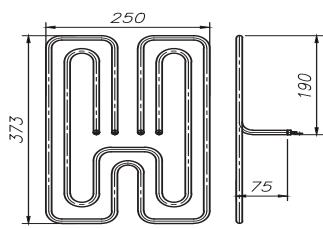
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
147	220, 230	1400	AISI-304	8.5	295	185	84
148	220, 230	1600	AISI-304	8.5	375	250	84
848	220, 230	850	AISI-304	8.5	336	196	84
776	220, 230	1350	AISI-304	8.5	336	195	84
775	220, 230	1650	AISI-304	8.5	390	250	84
641	220, 230	1350	AISI-304	8.5	310	188	70
642	220, 230	1650	AISI-304	8.5	380	253	70



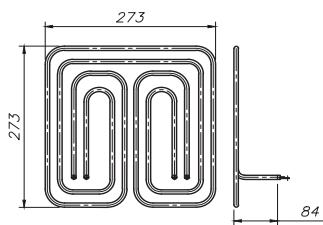
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
556	220, 230	700	AISI-304	8.5
557	220, 230	1000	AISI-304	8.5
558	220, 230	1650	AISI-304	8.5
500	220, 230	1000	AISI-304	10
499	220, 230	1500	AISI-304	10



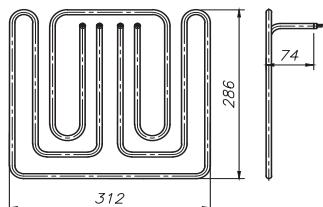
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
709	220, 230	1250	AISI-304	6.5
710	220, 230	1250	AISI-304	6.5
1548	220, 230	1250	AISI-304	8.5
1549	220, 230	1250	AISI-304	8.5
1101	220, 230	2000	AISI-304	6.5
1102	220, 230	2000	AISI-304	6.5



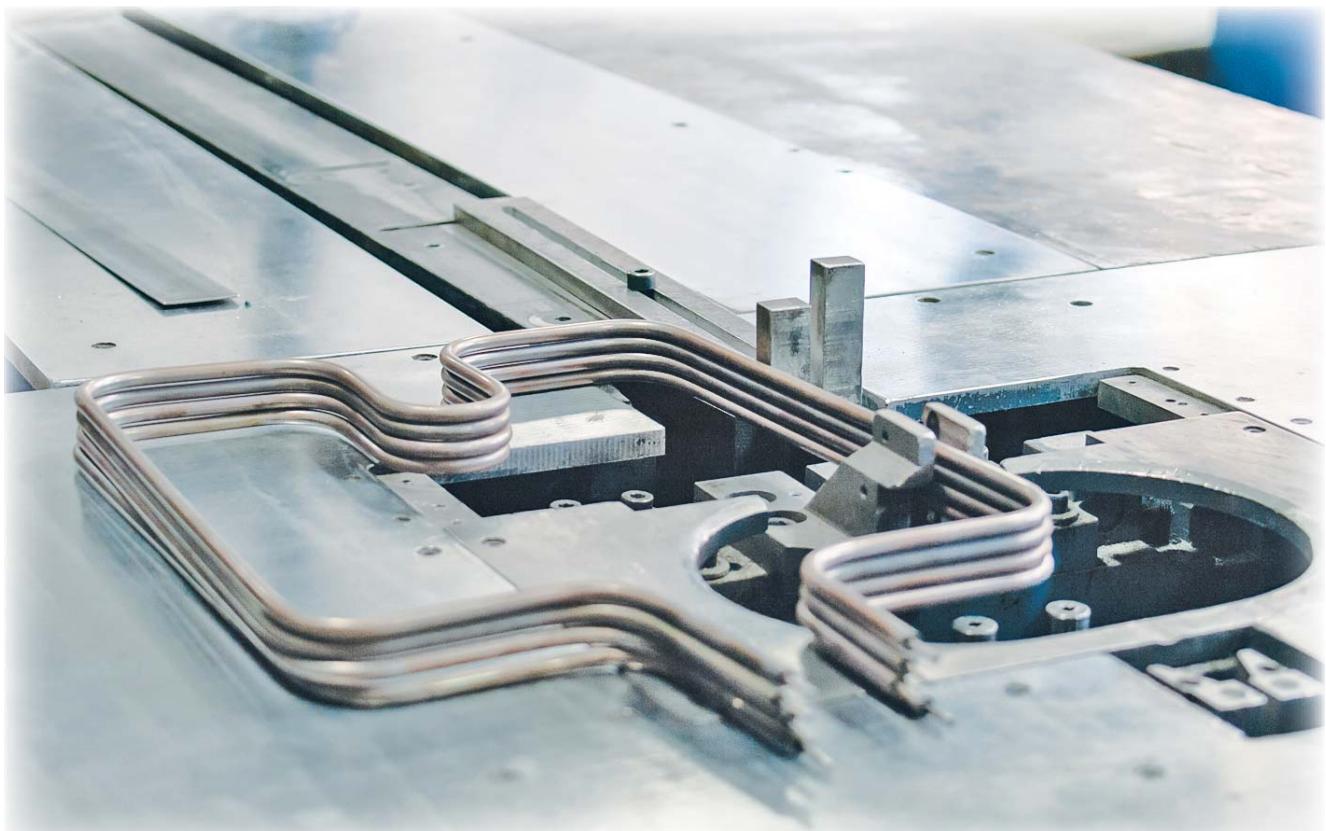
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
842	220, 230	1400	AISI-304	8.5
843	220, 230	1600	AISI-304	8.5
1163	220, 230	1800	AISI-304	8.5
1164	220, 230	1200	AISI-304	8.5



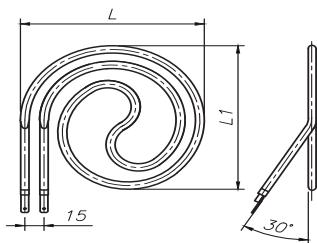
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
864	220, 230	850	AISI-304	8.5
864-01	220, 230	1350	AISI-304	8.5
863	220, 230	1650	AISI-304	8.5



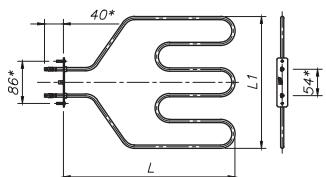
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
1066	220, 230	2000	AISI-304	8.5
1065	220, 230	1000	AISI-304	8.5



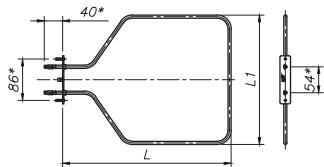
TUBULAR HEATING ELEMENTS FOR HOUSEHOLD FOR OVENS AND COOKERS



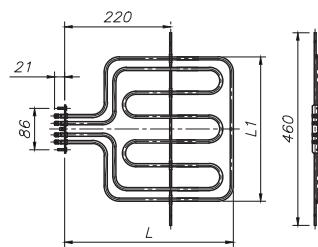
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
566	220, 230	1000	AISI-304	6.5	137	142
508	220, 230	1000	AISI-304	8.5	140	145



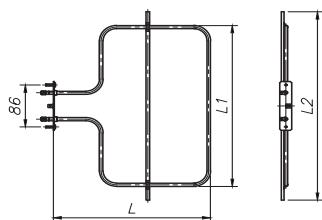
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
115-01	220, 230	1200	AISI-304	6.5	350	270
330-01	220, 230	1200	AISI-304	6.5	295	330
323	220, 230	1200	AISI-304	6.5	400	300
331	220, 230	1200	AISI-304	6.5	364	305
170	220, 230	1300	AISI-304	6.5	295	330
170-01	220, 230	1300	AISI-304	6.5	295	330



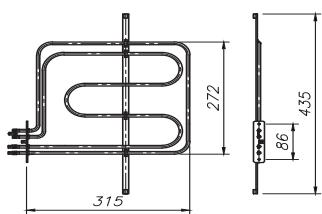
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
116-01	220, 230	800	AISI-304	6.5	350	270



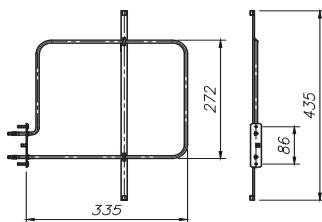
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
171-01	220, 230	800	AISI-304	6.5
339	220, 230	2600 (800+1800)	AISI-304	6.5
310-01	220, 230	2600 (800+1800)	AISI-304	6.5



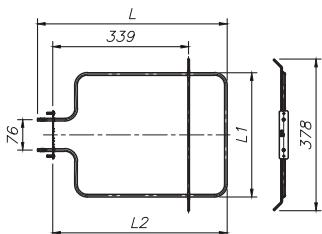
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
325	220, 230	800	AISI-304	6.5	382	285	400
318-01	220, 230	800	AISI-304	6.5	290	330	386



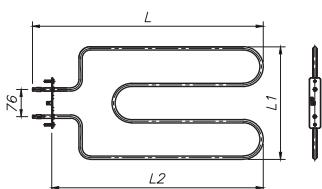
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
501	220, 230, 240	2200 (1000+1200)	AISI-304	6.5
326-01	220, 230	2600 (800+1800)	AISI-304	6.5



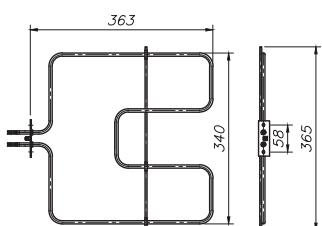
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
327-01	220, 230	800	AISI-304	6.5



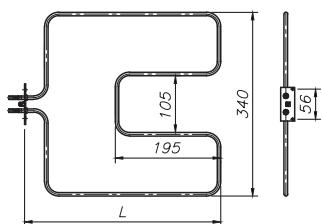
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
402-01	220, 230	800	AISI-304	6.5	474	310	435



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
403-01	220, 230	1200	AISI-304	6.5	456	420	223

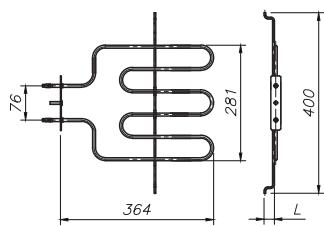


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
462	220, 230	1600	AISI-304	8.5

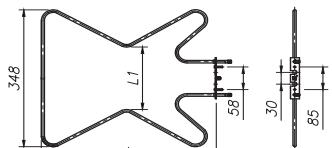


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
463	220, 230	1300	AISI-304	6.5	363
1077	220, 230	1300	AISI-304	6.5	396

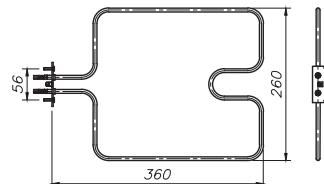
TUBULAR HEATING ELEMENTS FOR HOUSEHOLD FOR OVENS AND COOKERS



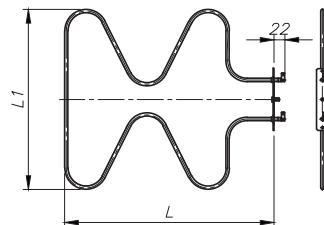
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm
480	220, 230	800	AISI-304	6.5	23
481	220, 230	1200	AISI-304	6.5	-



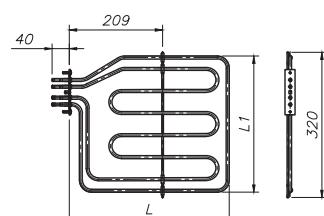
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
494	220, 230	1100	AISI-304	6.5	420	200
854	220, 230	1300	AISI-304	6.5	390	160
495	220, 230	1300	AISI-304	6.5	360	60



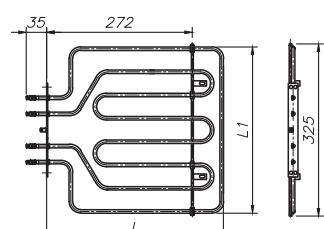
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
498	220, 230	1100	AISI-304	6.5



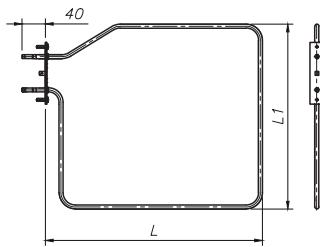
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
546	220, 230	1100	AISI-304	6.5	407	350



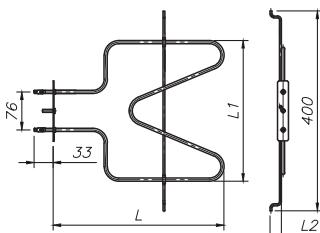
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
547	220, 230	2200 (1500+700)	AISI-304	6.5	350	300



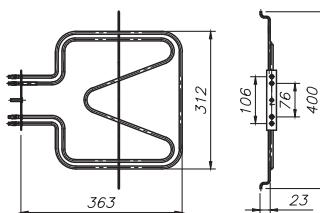
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
423	220, 230	3100 (1100+2000)	AISI-304	6.5	330	310



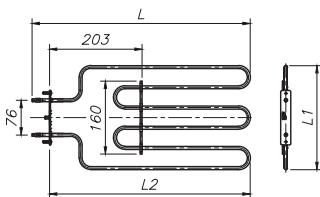
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm
610	220, 230	700	AISI-304	6.5	350	300



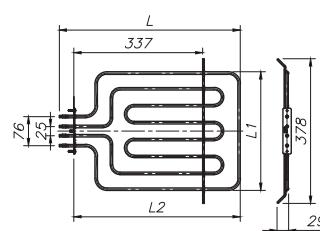
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
731	220, 230	700	AISI-304	6.5	346	282	23
741	220, 230	700	AISI-304	6.5	346	282	23
732	220, 230	1100	AISI-304	6.5	346	282	-
786	220, 230	1100	AISI-304	6.5	353	300	23
745	220, 230	1400	AISI-304	6.5	353	300	23



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
740	220, 230	2100 (700+1400)	AISI-304	6.5
788	220, 230	2100 (700+1400)	AISI-304	6.5

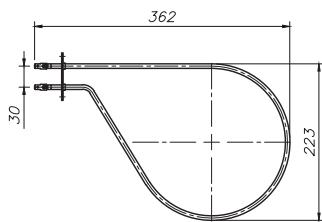


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
747	220, 230	1400	AISI-304	6.5	480	228	440

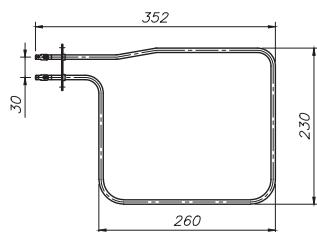


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.	L, mm	L1, mm	L2, mm
748	220, 230	2300 (800+1500)	AISI-304	6.5	473	310	435
749	220, 230	2400 (800+1600)	AISI-304	6.5	473	310	435
750	220, 230	2600 (1000+1600)	AISI-304	6.5	473	310	435

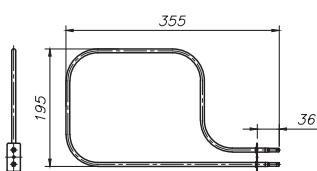
TUBULAR HEATING ELEMENTS FOR HOUSEHOLD FOR OVENS AND COOKERS



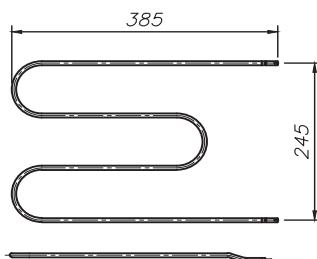
Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
3497	220, 230	630	AISI-304	6.5



Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
3498	220, 230	630	AISI-304	6.5

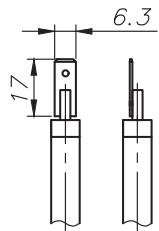


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
4422	220, 230	750	AISI-304	6.5

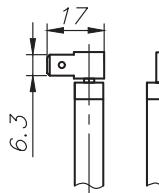


Code RIVS.681827.	Voltage (V)	Power (W)	Material	Diam.
4424	220, 230	750	AISI-304	6.5

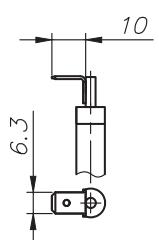


Terminal pins

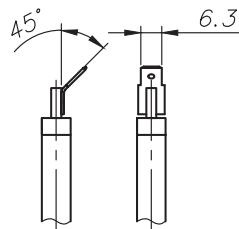
Draw.2
Carbon steel,
with covering
Zn9



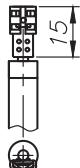
Draw.3
Carbon steel,
with covering
Zn9



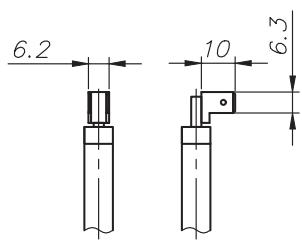
Draw.4
Carbon steel,
with covering
Zn9



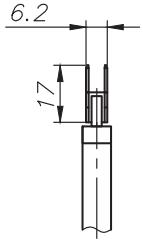
Draw.5
Carbon steel,
with covering
Zn9



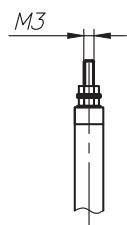
Draw.6
Stainless
steel
AISI-304



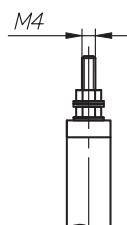
Draw.7
Carbon steel,
with covering
Zn9



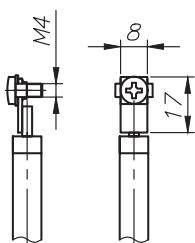
Draw.8
Carbon steel,
with covering
Zn9



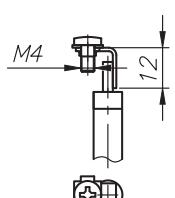
Draw.9
Carbon steel,
with covering
Zn9



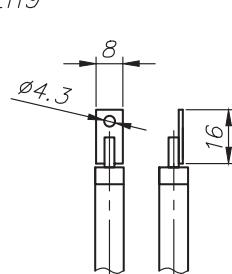
Draw.10
Carbon steel,
with covering
Zn9



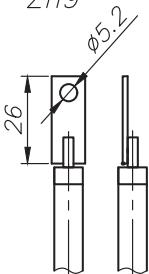
Draw.11
Carbon steel,
with covering
Zn9



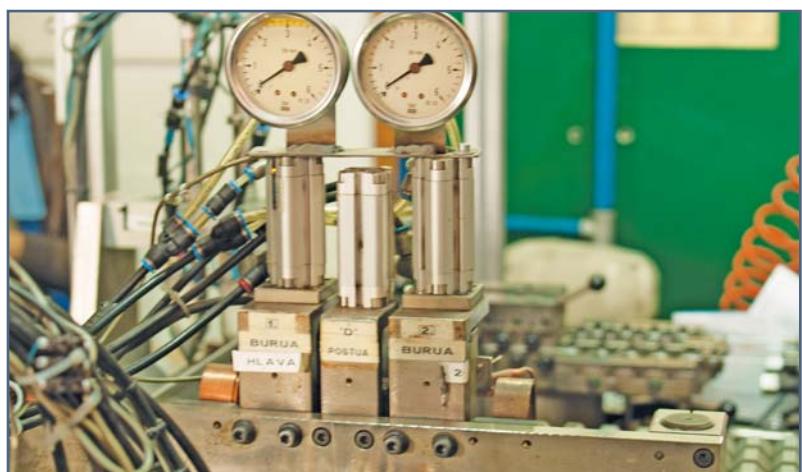
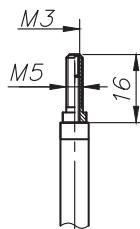
Draw.12
Carbon steel,
with covering
Zn9



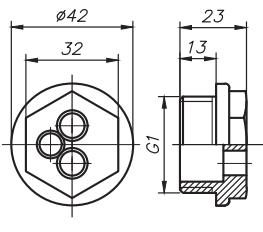
Draw.13
Carbon steel,
with covering
Zn9



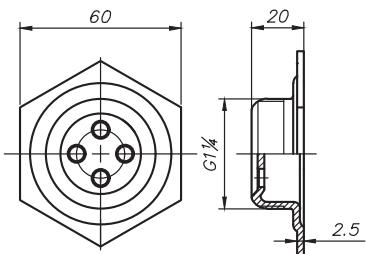
Draw.14
Carbon steel, Brass adapter
with covering M3 to M5
Zn9



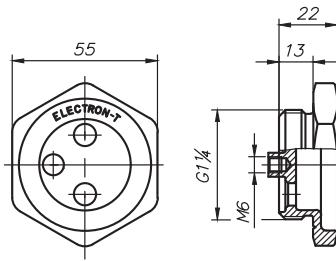
FASTENING AND FIXING ELEMENTS FOR TUBULAR HEATING ELEMENTS



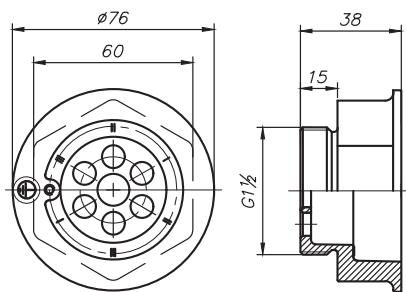
Draw.16
Carbon steel flange



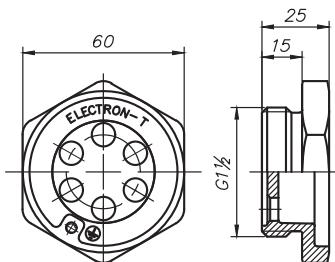
Draw.17
Carbon steel flange
with covering Zn9



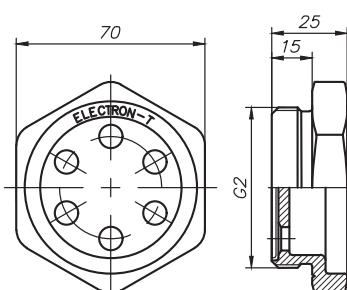
Draw.18
Brass flange



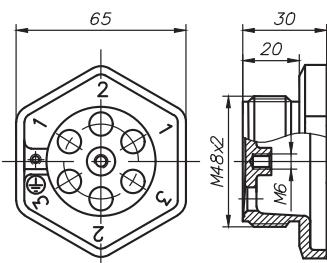
Draw.19
Brass flange



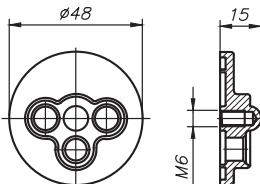
Draw.20
Brass flange



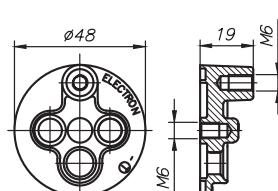
Draw.21
Brass flange



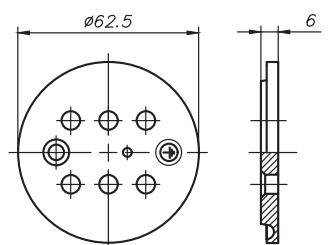
Draw.22
Brass flange



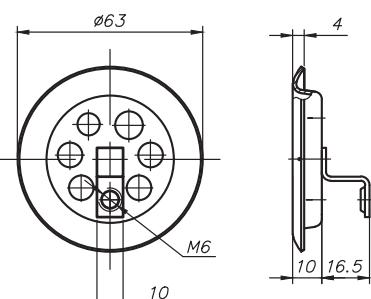
Draw.23
Brass flange



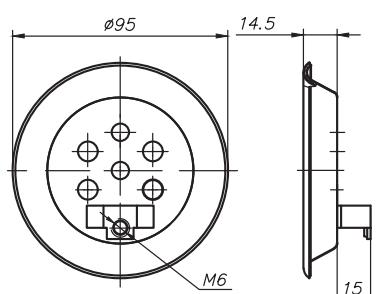
Draw.24
Brass flange



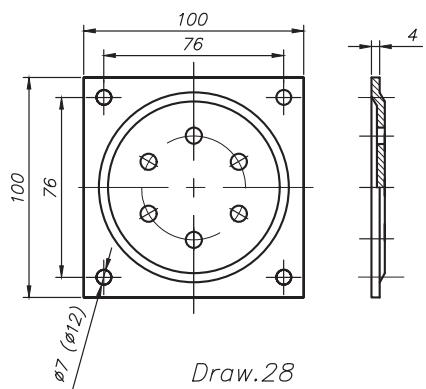
Draw.25
Brass flange



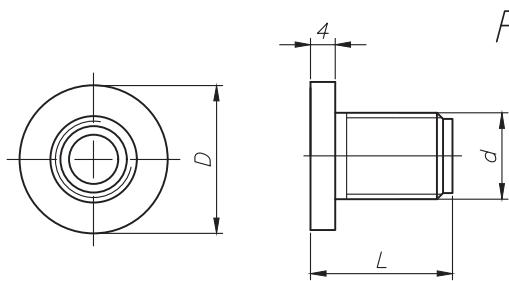
Draw.26
Stainless steel
AISI-304 flange



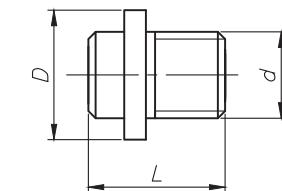
Draw.27
Stainless steel
AISI-304 flange



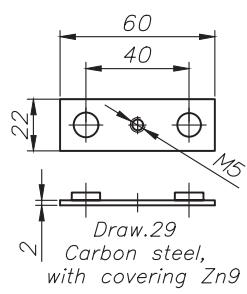
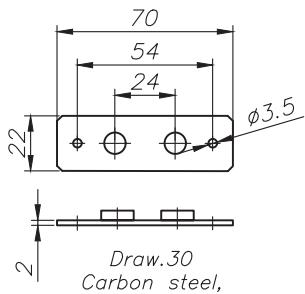
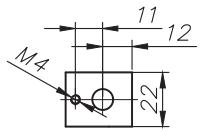
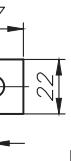
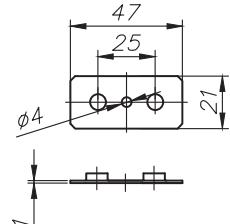
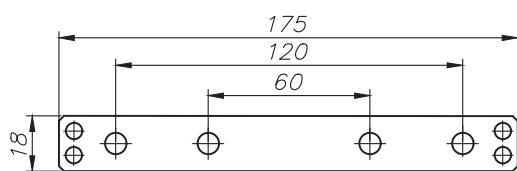
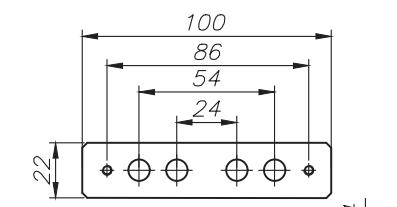
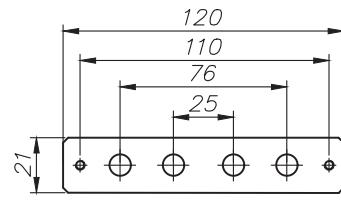
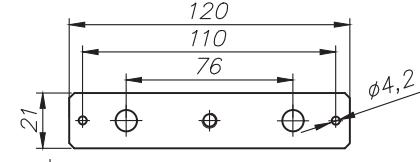
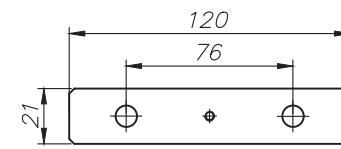
Draw.28
Carbon steel flange

Flanges

d	$D, \text{ mm}$	$L, \text{ mm}$	Material
$M12X1.5$	20	from 15 to 100	Carbon steel AISI 304 AISI 430
$M14X1.5$	22		
$M16X1.5$	24		
$M18X1.5$	26		Brass $M18X1.5$
$M20X1.5$	28		
$M22X1.5$	28		
$G1/2''$	28		



d	$D, \text{ mm}$	$L, \text{ mm}$	Material
$M12X1.5$	18	18	Carbon steel, with covering $Zn9$
$M14X1.5$	20	23, 28	
$M18X1.5$	25	25	

PlatesDraw.29 Carbon steel, with covering $Zn9$ Draw.30 Carbon steel, with covering $Zn9$ Draw.31 Carbon steel, with covering $Zn9$ Draw.32 Carbon steel, with covering $Zn9$ Draw.33 Carbon steel, with covering $Zn9$ Draw.34 Carbon steel, with covering $Zn9$ Draw.35 Carbon steel, with covering $Zn9$ Draw.36 Carbon steel, with covering $Zn9$ Draw.37 Carbon steel, with covering $Zn9$ Draw.38 Carbon steel, with covering $Zn9$

DESIGN AND BASIC DIMENSIONS OF CAST IRON HOTPLATES

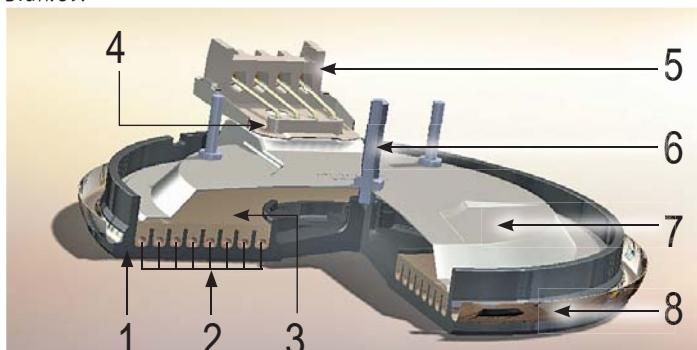
Cast iron electric hotplate (EKC) – a heater consisting of a cast iron housing, with three heating elements inside (three spirals from a resistance wire), are placed in a material that provides electrical insulation and conducts heat.

At the bottom of the cast-iron housing there is a protective cover through which the contacts of the heating elements are brought out through ceramic insulators. A stainless steel rim is placed around the perimeter of the cast iron body. The heating surface is protected against corrosion by high-temperature silicone paint.

Cast iron electric hotplate (EKC) for household plates are made on the automatic line of the company «FAGOR SISTEMAS, S.Coop.Ltda», (Spain). Materials and components which are used in the manufacturing of electric hotplates provide high reliability and long service life.

The main function of such a product is the transformation of electrical energy into heat. It is used as a heating element for the complete set of household electric cookers and electric tops. For more details see drawing 39.

Draw. 39.



- 1 - cast iron housing (G-20)
- 2 - heating sriral
- 3 - insulating filler (MgO)
- 4 - ceramic plug
- 5 - contact connector
- 6 - central mounting bolt
- 7 - protective cover
- 8 - decorative rim

Cast iron hotplates (KE) for commercial kitchen are made on modern high-performance equipment.

Materials and components, which are used in the manufacturing of hotplates, provide high reliability and long service life.

KE electric hotplates meet the requirements of TY Y 00244676.001-99 «KE hotplates. Specifications» with changes 1, 2, 3, 4.

KE – cast iron hotplate for commercial kitchen – it's a heater consisting of cast iron casting (body) inside which there are two heating elements (spirals made of the resistance wire), inserted into ceramic insulating plugs of a special design. Also, tubular heating elements can be used as a heated element for a higher thermal efficiency and reliability. From the bottom of the hotplate there is a protective cover through which the ceramic insulators are deduced the terminals of the heating elements. The protective cover is removable, which allows repairing the hotplate by removing heating elements. The last can be purchased separately as a repair kit.

The surface of the hotplate is protected from corrosion by high-temperature silicone paint.

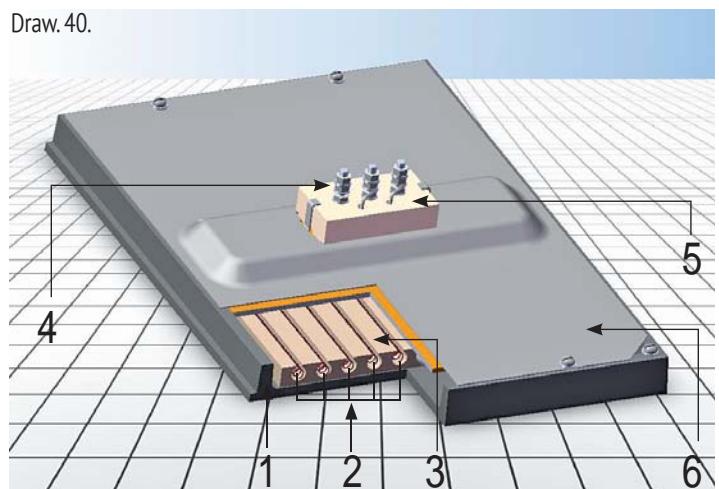
The main function of hotplate is the transformation of electrical energy into heat.

It is used as a heating element for the complete set of commercial electric stoves. For more details, see drawing 40.

- 1 - cast iron housing (G-20)
- 2 - heating spiral
- 3 - ceramic insulating insert
- 4 - contact connector
- 5 - ceramic block
- 6 - protective cover

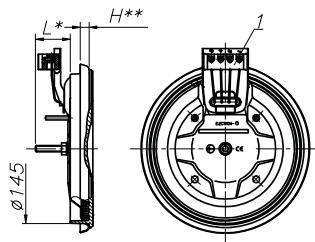
Hotplates KE are made on in three types, depending on the area of working surface:

- KE-0.12 – overall dimensions 417x295 mm
- KE-0.15 – overall dimensions 405x370 mm
- KE-0.09 – overall dimensions 300x300 mm





HOTPLATES EKC 145



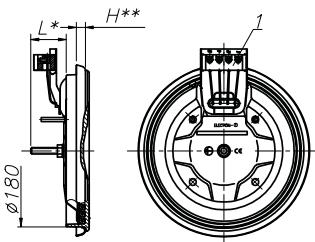
Code RIVS.332243.	Voltage (V)	Power (W)	Protector
027	220	700	-
022	220	1000	-
031	230	1000	-
019	220	1500	+
065	230	1500	+

L* 31 mm, 38 mm, 45 mm, 51 mm, drawing 41

H** 8 mm, 4.8 mm

1..... ceramic block, drawing 43, 44

HOTPLATES EKC 180



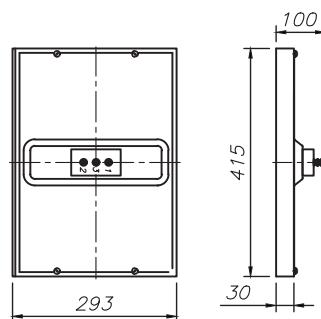
Code RIVS.332243.	Voltage (V)	Power (W)	Protector
069	135	800	-
070	110	1000	-
012	220	1200	-
035	230	1200	+
020	220	1500	-
032	230	1500	+
034	230	1500	-
025	220	2000	+
049	230	2000	+

L* 31 mm, 38 mm, 45 mm, 51 mm, drawing 41

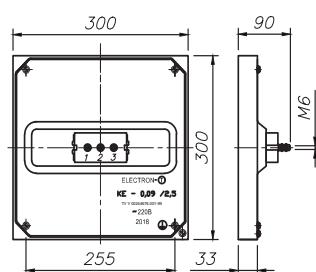
H** 8 mm, 4.8 mm.

1..... ceramic block, drawing 43, 44

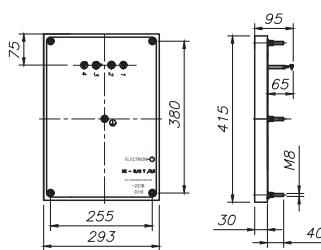
HOTPLATES FOR PROFESSIONAL KITCHEN



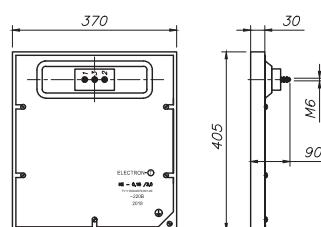
Code RIVS.681816. 002-01 (mark KE - 0.12)	Voltage (V) 220	Power (W) 3000	Material of hotplate Cast iron	Working surface area, m ² 0.12	Heating element Spiral 2 pcs.
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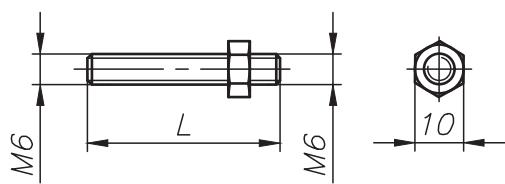
Code RIVS.681816. 003 (mark KE - 0.09)	Voltage (V) 220	Power (W) 2500	Material of hotplate Cast iron	Working surface area, m ² 0.09	Heating element Spiral 2 pcs.
---	-----------------------	----------------------	--------------------------------------	---	----------------------------------



Code RIVS.681816. 006 (mark KE - 0.12T)	Voltage (V) 220	Power (W) 3000	Material of hotplate Cast iron	Working surface area, m ² 0.12	Heating element 2 pcs.
--	-----------------------	----------------------	--------------------------------------	---	---------------------------



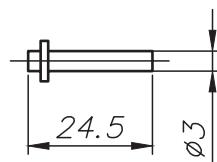
Code RIVS.681816. 012 (mark KE - 0.15)	Voltage (V) 220	Power (W) 3500	Material of hotplate Cast iron	Working surface area, m ² 0.15	Heating element Spiral 2 pcs.
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$L=31, 38, 45, 51$ mm.

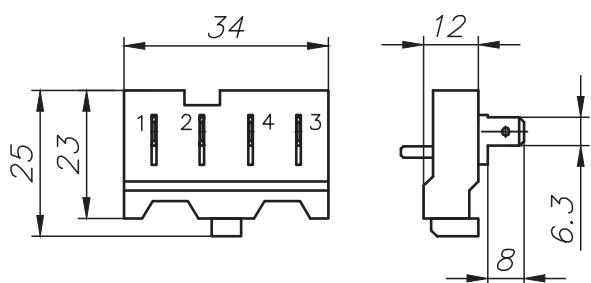
Draw.41

Bolt carbon steel,
with covering Zn9



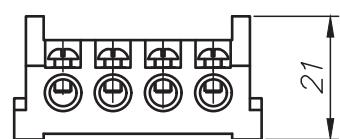
Draw.42

Fix carbon steel,
with covering Zn9



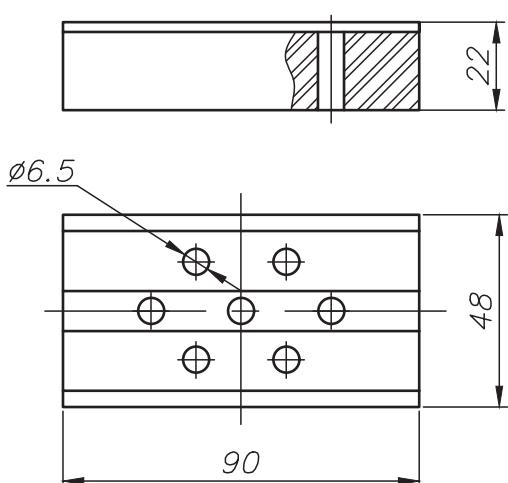
Draw.43

Ceramic block
faston

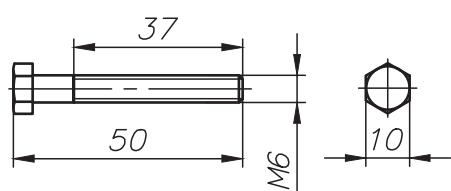


Draw.44

Ceramic block screw



Draw.45
Ceramic block
for professional hotplate



Draw.46

Bolt M6x50



ELECTRON-T SPE Ltd.
12, Kvitova St., Lviv, 79019, Ukraine
tel.: +380 32 252 00 77, +380 297 68 40
mob. +380 50 252 00 77 (WhatsApp)
+380 68 297 68 50 (Viber)
e-mail: info@electron-t.com
office@electron-t.com

www.electron-t.ua

January 2020