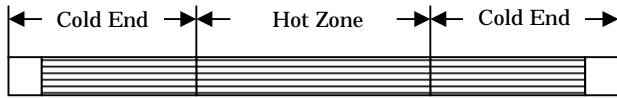


EREMA D-Type



Metallikon Width

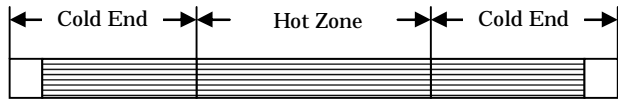
Dia - meter (mm)	Metallikon Length (mm)
10 ~ 16	30 + 10 - 5
20 and over	50 + 20 - 10

Number	Size				Hot Zone Surface Area	*Nominal Lading Values		
	Dia-meter	Hot Zone	Cold End	overall		Volts	Watts	Ohms
	mm	Length	Length	Length				
D-101010	10	100	100	300	31	32	610	1.68
D-101015		100	150	400	31	35	670	1.83
D-101515		150	150	450	47	49	930	2.58
D-102015		200	150	500	63	64	1220	3.36
D-102510		250	100	450	79	76	1440	4.01
D-102515		250	150	550	79	78	1480	4.11
D-121015	12	100	150	400	38	29	670	1.26
D-121510		150	100	350	56	39	900	1.69
D-121515		150	150	450	56	41	940	1.79
D-122015		200	150	500	75	53	1220	2.30
D-122020		200	200	600	75	55	1270	2.38
D-122515		250	150	550	94	66	1520	2.87
D-122520		250	200	650	94	67	1540	2.91
D-123015		300	150	600	113	78	1790	3.40
D-123020	300	200	700	113	80	1840	3.48	
D-161520	16	150	200	550	75	39	1330	1.14
D-162020		200	200	600	101	50	1700	1.47
D-162520		250	200	650	126	61	2070	1.80
D-163020		300	200	700	150	72	2450	2.12
D-163025		300	250	800	150	74	2520	2.17
D-163030		300	300	900	150	76	2580	2.24
D-164025		400	250	900	200	96	3260	2.83
D-164030		400	300	1000	200	98	3330	2.88
D-164525		450	250	950	225	107	3640	3.15
D-165025		500	250	1000	250	118	4010	3.47
D-165030	500	300	1100	250	120	4080	3.53	
D-166025	600	250	1100	300	140	4760	4.12	
D-203020	20	300	200	700	188	65	3120	1.35
D-203025		300	250	800	188	66	3170	1.37
D-203030		300	300	900	188	68	3260	1.42
D-203040		300	400	1100	188	71	3410	1.48
D-204025		400	250	900	251	86	4130	1.79
D-204030		400	300	1000	251	88	4220	1.84
D-204035		400	350	1100	251	90	4320	1.88
D-204040		400	400	1200	251	91	4370	1.89
D-204535		450	350	1150	283	100	4800	2.08
D-205030		500	300	1100	314	108	5180	2.25
D-205040		500	400	1300	314	111	5330	2.31
D-206030		600	300	1200	376	128	6140	2.67
D-207030		700	300	1300	439	148	7100	3.09
D-208030		800	300	1400	502	168	8060	3.50
D-254030	25	400	300	1000	314	76	4940	1.17
D-254040		400	400	1200	314	79	5140	1.21
D-255030		500	300	1100	392	94	6110	1.45
D-255040		500	400	1300	392	97	6310	1.49
D-256025		600	250	1100	470	110	7150	1.69
D-256030		600	300	1200	470	111	7220	1.71
D-257030		700	300	1300	550	129	8390	1.98
D-257035		700	350	1400	550	130	8450	2.00
D-257040	700	400	1500	550	131	8520	2.01	

Number	Size				Hot Zone Surface Area	*Nominal Lading Values		
	Dia-meter	Hot Zone	Cold End	overall		Volts	Watts	Ohms
	mm	Length	Length	Length				
D-307030	30	700	300	1300	660	117	10100	1.36
D-307040		700	400	1500	660	119	10200	1.39
D-308030		800	300	1400	750	133	11400	1.55

*Nominal Loading Values are measured EREMA Heating Element surface temperature at 1000 in open air. Manufacturing tolerance is ± 15% of center current values.

EREMA E-Type

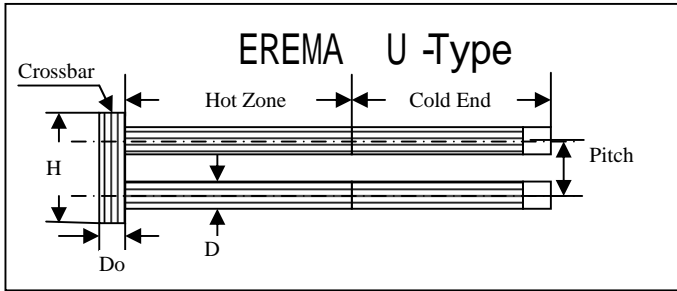


Metallikon Width

Dia - meter (mm)	Metallikon Length (mm)
12 ~ 16	30 + 10 - 5
20 and over	50 + 20 - 10

Number	Size				Hot Zone Surface Area cm ²	*Nominal Lading Values		
	Dia-meter	Hot Zone Length	Cold End Length	overall Length		Volts	Watts	Ohms
	mm	mm	mm	mm				
E-121515	12	150	150	450	56	36	920	1.41
E-163025	16	300	250	800	150	64	2430	1.69
E-163035		300	350	1000	150	66	2510	1.74
E-164025		400	250	900	201	83	3150	2.19
E-164030		400	300	1000	201	84	3190	2.21
E-164035		400	350	1100	201	86	3270	2.26
E-164530		450	300	1050	226	94	3570	2.48
E-165025		500	250	1000	251	103	3910	2.71
E-166025		600	250	1100	301	122	4640	3.21
E-203030	20	300	300	900	188	59	3160	1.10
E-204030		400	300	1000	251	77	4120	1.44
E-204035		400	350	1100	251	78	4170	1.46
E-204040		400	400	1200	251	79	4230	1.48
E-204535		450	350	1150	282	87	4650	1.63
E-204540		450	400	1250	282	88	4710	1.64
E-205030		500	300	1100	314	94	5030	1.76
E-205040		500	400	1300	314	97	5190	1.81
E-207030		700	300	1300	439	130	6960	2.43
E-208045		800	450	1700	502	151	8080	2.82
E-254030	25	400	300	1000	314	68	4860	0.95
E-254040		400	400	1200	314	70	5010	0.98
E-254540		450	400	1250	353	78	5580	1.09
E-255030		500	300	1100	392	84	6010	1.17
E-255040		500	400	1300	392	86	6150	1.20
E-256030		600	300	1200	471	100	7150	1.40
E-257040		700	400	1500	549	118	8440	1.65
E-257045		700	450	1600	549	119	8510	1.66
E-258030		800	300	1400	628	132	9440	1.85
E-258035		800	350	1500	628	133	9510	1.86
E-258040		800	400	1600	628	134	9580	1.87
E-258050		800	500	1800	628	136	9720	1.90
E-306035	30	600	350	1300	565	92	8600	0.98
E-306040		600	400	1400	565	93	8700	0.99
E-307030		700	300	1300	659	106	9910	1.13
E-307045		700	450	1600	659	108	10100	1.15
E-308030		800	300	1400	753	120	11200	1.29
E-308040		800	400	1600	753	122	11400	1.31
E-309030		900	300	1500	848	135	12600	1.45
E-309040		900	400	1700	848	136	12700	1.46
E-301030		1000	300	1600	942	149	13900	1.60

*Nominal Loading Values are measured EREMA Heating Element surface temperature at 1000 in open air.
 Manufacturing tolerance is ± 15% of center current values.
 (定格は空中開放1000 の測定値です。許容範囲は、電流値に換算し中心電流値の±15%です)



Metallikon Width

Dia - meter (mm)	Metallikon Length (mm)
16	30 + 10 - 5
20 and over	50 + 20 - 10

Number	Size				Hot Zone Surface Area cm ²	*Nominal Lading Values		
	Dia-meter	Hot Zone Length	Cold End Length	Pitch		Volts	Watts	Ohms
	mm	mm	mm	mm				
U-163030	16	300	300	40	301	121	4600	3.18
U-164030		400	300	40	402	160	6080	4.21
U-164040		400	400	40	402	163	6190	4.29
U-165030		500	300	40	502	200	7600	5.26
U-203040	20	300	400	50	376	112	5990	2.09
U-203540		350	400	50	439	130	6960	2.43
U-204040		400	400	50	502	147	7860	2.75
U-204535		450	350	50	565	164	8770	3.07
U-205040		500	400	50	628	183	9790	3.42
U-205050		500	500	50	628	185	9900	3.46
U-206040		600	400	50	753	218	11700	4.06
U-206050		600	500	50	753	220	11800	4.10
U-207040		700	400	50	879	253	13500	4.74
U-207050		700	500	50	879	256	13700	4.78
U-208040		800	400	50	1005	289	15500	5.39
U-208050		800	500	50	1005	291	15600	5.43
U-254040	25	400	400	60	628	131	9370	1.83
U-254050		400	500	60	628	133	9510	1.86
U-254540		450	400	60	706	147	10500	2.06
U-255040		500	400	60	785	163	11700	2.27
U-255050		500	500	60	785	165	11800	2.31
U-255540		550	400	60	863	179	12800	2.50
U-256040		600	400	60	942	195	13900	2.74
U-256050		600	500	60	942	197	14100	2.75
U-257040		700	400	60	1099	227	16200	3.18
U-257050		700	500	60	1099	229	16400	3.20
U-258040		800	400	60	1256	259	18500	3.63
U-258050		800	500	60	1256	261	18700	3.64
U-305040	30	500	400	70	942	148	13800	1.59
U-305050		500	500	70	942	150	14000	1.61
U-306040		600	400	70	1130	177	16500	1.90
U-306050		600	500	70	1130	179	16700	1.92
U-307040		700	400	70	1319	206	19300	2.20
U-307050		700	500	70	1319	208	19400	2.23
U-308040		800	400	70	1507	235	22000	2.51
U-308050		800	500	70	1507	237	22200	2.53
U-309040		900	400	70	1696	264	24700	2.82
U-309050		900	500	70	1696	266	24900	2.84
U-301050		1000	500	70	1884	295	27600	3.15
U-356040		35	600	400	80	1319	179	19200
U-356050	600		500	80	1319	181	19400	1.69
U-357040	700		400	80	1539	209	22400	1.95
U-357050	700		500	80	1539	211	22600	1.97
U-358040	800		400	80	1759	239	25600	2.23
U-358050	800		500	80	1759	240	25700	2.24
U-359040	900		400	80	1979	269	28800	2.51
U-359050	900		500	80	1979	270	28900	2.52
U-351050	1000		500	80	2199	300	32100	2.80

Crossbar Size

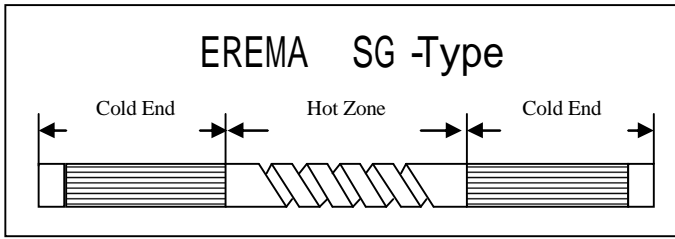
D	16	20	25	30	35
D ₀	25	30	35	40	45
H	76	90	110	125	140

Note: 1) Overall length of U-type heating element is

U-type nominal length (cold end length and hot zone length) plus edge portion.

2) The value H shows the max. width of U-type heating element.

*Nominal Loading Values are measured EREMA Heating Element surface temperature at 1000 in open air. Manufacturing tolerance is ± 15% of center current values.



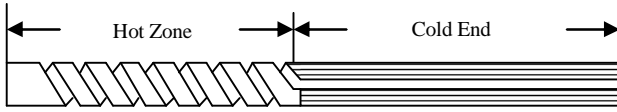
Metallikon Width

Dia - meter (mm)	Metallikon Length (mm)
14 ~ 16	30 + 10 - 5
20 and over	50 + 20 - 10

Number	Size				Hot Zone Surface Area cm ²	*Nominal Lading Values		
	Dia-meter	Hot Zone Length	Cold End Length	overall Length		Volts	Watts	Ohms
	mm	mm	mm	mm				
G-142020	14	200	200	600	87	59	1650	2.11
G-142025		200	250	700	87	60	1680	2.14
G-142520		250	200	650	109	71	1990	2.53
G-142525		250	250	750	109	73	2040	2.61
G-143025		300	250	800	131	85	2380	3.04
G-162025	16	200	250	700	100	58	1970	1.71
G-162520		250	200	650	125	69	2350	2.03
G-162525		250	250	750	125	70	2380	2.06
G-162530		250	300	850	125	71	2410	2.09
G-163020		300	200	700	150	81	2750	2.39
G-163025		300	250	800	150	82	2790	2.41
G-163030		300	300	900	150	83	2820	2.44
G-163525		350	250	850	175	94	3200	2.76
G-163530		350	300	950	175	95	3230	2.79
G-203040		20	300	400	1100	188	84	3440
G-203540	350		400	1150	219	97	3980	2.36
G-204040	400		400	1200	251	109	4470	2.66
G-204540	450		400	1250	282	121	4960	2.95
G-253040	25	300	400	1100	235	84	4120	1.71
G-253050		300	500	1300	235	86	4210	1.76
G-254040		400	400	1200	314	110	5390	2.24
G-255040		500	400	1300	392	135	6620	2.75
G-303040	30	300	400	1100	282	79	4980	1.25
G-303050		300	500	1300	282	80	5040	1.27
G-304040		400	400	1200	376	103	6490	1.63
G-304050		400	500	1400	376	104	6550	1.65
G-305040		500	400	1300	471	127	8000	2.02
G-306040		600	400	1400	565	151	9510	2.40
G-354040	35	400	400	1200	439	101	7680	1.33
G-354050		400	500	1400	439	102	7750	1.34
G-355040		500	400	1300	549	124	9420	1.63
G-355050		500	500	1500	549	125	9500	1.64
G-356040		600	400	1400	659	148	11200	1.96
G-357040		700	400	1500	769	171	13000	2.25
G-405040	40	500	400	1300	628	116	10700	1.26
G-405050		500	500	1500	628	117	10800	1.27
G-406040		600	400	1400	753	138	12700	1.50
G-406045		600	450	1500	753	139	12800	1.51
G-407040		700	400	1500	879	161	14800	1.75
G-457045	45	700	450	1600	989	149	16800	1.32
G-458040		800	400	1600	1130	168	19000	1.49

*Nominal Loading Values are measured EREMA Heating Element surface temperature at 1000 in open air. Manufacturing tolerance is ± 20% of center current values.

EREMA SGR -Type



Metallikon Width

Dia - meter (mm)	Metallikon Length (mm)
16	30 + 10 - 5
20 and over	50 + 20 - 10

Number	Size				Hot Zone Surface Area cm ²	*Nominal Lading Values		
	Dia- meter	Hot Zone Length	Cold End Length	overall Length		Volts	Watts	Ohms
	mm	mm	mm	mm				
GR-161015	16	100	150	250	50	61	940	3.96
GR-161020		100	200	300	50	69	1060	4.49
GR-161025		100	250	350	50	77	1190	4.98
GR-161515		150	150	300	75	84	1290	5.47
GR-161520		150	200	350	75	91	1400	5.92
GR-161525		150	250	400	75	99	1520	6.45
GR-162015		200	150	350	100	106	1630	6.89
GR-162020		200	200	400	100	113	1740	7.34
GR-162025		200	250	450	100	121	1860	7.87
GR-162515		250	150	400	125	128	1970	8.32
GR-162520		250	200	450	125	135	2080	8.76
GR-162525		250	250	500	125	143	2200	9.30
GR-162530		250	300	550	125	151	2330	9.79
GR-201015		20	100	150	250	62	58	1110
GR-201020	100		200	300	62	65	1250	3.38
GR-201025	100		250	350	62	72	1380	3.76
GR-201515	150		150	300	94	80	1540	4.16
GR-201520	150		200	350	94	87	1670	4.53
GR-201525	150		250	400	94	94	1800	4.91
GR-202015	200		150	350	125	102	1960	5.31
GR-202020	200		200	400	125	109	2090	5.68
GR-202025	200		250	450	125	116	2230	6.03
GR-202515	250		150	400	157	124	2380	6.46
GR-202520	250		200	450	157	131	2520	6.81
GR-202525	250		250	500	157	138	2650	7.19
GR-203020	300		200	500	188	153	2940	7.96
GR-203025	300		250	550	188	160	3070	8.34
GR-251520	25	150	200	350	117	87	2000	3.78
GR-251525		150	250	400	117	92	2120	3.99
GR-251530		150	300	450	117	98	2250	4.27
GR-252020		200	200	400	157	110	2530	4.78
GR-252025		200	250	450	157	115	2650	4.99
GR-252030		200	300	500	157	121	2780	5.27
GR-252520		250	200	450	196	133	3060	5.78
GR-252525		250	250	500	196	139	3200	6.04
GR-252530		250	300	550	196	144	3310	6.26
GR-253030		300	300	600	235	167	3840	7.26
GR-253035		300	350	650	235	173	3980	7.52
GR-253040		300	400	700	235	179	4120	7.78
GR-253530		350	300	650	274	191	4390	8.31
GR-253535		350	350	700	274	196	4510	8.52
GR-254030	400	300	700	314	214	4920	9.31	
GR-302020	30	200	200	400	188	90	2790	2.90
GR-302025		200	250	450	188	91	2820	2.94
GR-302030		200	300	500	188	91	2820	2.94
GR-302520		250	200	450	235	111	3440	3.58
GR-302525		250	250	500	235	111	3440	3.58
GR-302530		250	300	550	235	112	3470	3.61
GR-303030		300	300	600	282	132	4090	4.26
GR-303035		300	350	650	282	132	4090	4.26

Number	Size				Hot Zone Surface Area cm ²	*Nominal Lading Values		
	Dia- meter	Hot Zone Length	Cold End Length	overall Length		Volts	Watts	Ohms
	mm	mm	mm	mm				
GR-303040	30	300	400	700	282	133	4120	4.29
GR-303530		350	300	650	329	153	4740	4.94
GR-303535		350	350	700	329	153	4740	4.94
GR-303540		350	400	750	329	153	4740	4.94
GR-304030		400	300	700	376	173	5360	5.58
GR-304035		400	350	750	376	173	5360	5.58
GR-304040		400	400	800	376	174	5390	5.62
GR-304530		450	300	750	424	193	5980	6.23
GR-304535		450	350	800	424	194	6010	6.26
GR-305030		500	300	800	471	214	6630	6.91
GR-352020	35	200	200	400	219	89	3260	2.43
GR-352025		200	250	450	219	89	3260	2.43
GR-352030		200	300	500	219	90	3290	2.46
GR-352520		250	200	450	274	109	3990	2.98
GR-352525		250	250	500	274	109	3990	2.98
GR-352530		250	300	550	274	110	4030	3.00
GR-353030		300	300	600	329	130	4760	3.55
GR-353035		300	350	650	329	131	4790	3.58
GR-353040		300	400	700	329	131	4790	3.58
GR-353530		350	300	650	384	150	5490	4.10
GR-353535	350	350	700	384	151	5530	4.12	
GR-353540	350	400	750	384	151	5530	4.12	
GR-354030	400	300	700	439	171	6260	4.67	
GR-354035	400	350	750	439	171	6260	4.67	
GR-354040	400	400	800	439	172	6300	4.70	
GR-354530	450	300	750	494	191	6990	5.22	
GR-354535	450	350	800	494	191	6990	5.22	
GR-355030	500	300	800	549	211	7720	5.77	
GR-402020	40	200	200	400	251	86	3660	2.02
GR-402025		200	250	450	251	87	3700	2.05
GR-402030		200	300	500	251	87	3700	2.05
GR-402520		250	200	450	314	106	4510	2.49
GR-402525		250	250	500	314	107	4550	2.52
GR-402530		250	300	550	314	107	4550	2.52
GR-403030		300	300	600	376	127	5400	2.99
GR-403035		300	350	650	376	127	5400	2.99
GR-403040		300	400	700	376	127	5400	2.99
GR-403530		350	300	650	439	147	6250	3.46
GR-403535	350	350	700	439	147	6250	3.46	
GR-403540	350	400	750	439	147	6250	3.46	
GR-404030	400	300	700	502	167	7100	3.93	
GR-404035	400	350	750	502	167	7100	3.93	
GR-404040	400	400	800	502	167	7100	3.93	
GR-404530	450	300	750	565	186	7910	4.37	
GR-404535	450	350	800	565	187	7950	4.40	
GR-405030	500	300	800	628	206	8760	4.84	

*Nominal Loading Values are measured EREMA Heating Element surface temperature at 1000 in open air.
Manufacturing tolerance is ± 20% of center current values.

