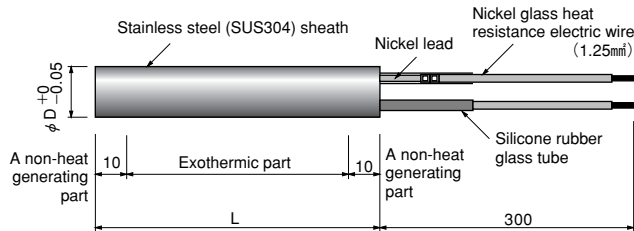


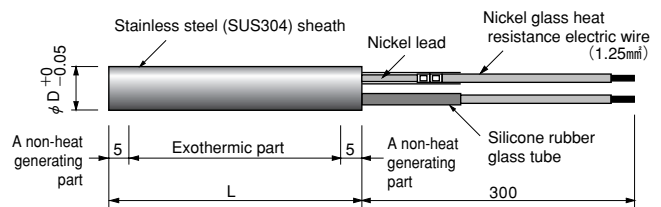
# Inch size cartridge heater



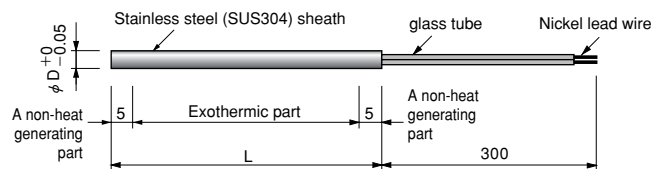
● Diameter of sheath :  $\phi 15.77, \phi 18.95$



● Diameter of sheath :  $\phi 6.25, \phi 9.42, \phi 12.60$



● Diameter of sheath :  $\phi 3.10$



## Inch size 120V Prompt delivery

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
HLJ1021	03083010	1/8 (3.10mm)	31.8	25
HLJ1051	03083020			50
HLJ1032	03083030		38.1	30
HLJ1042	03083040			44
HLJ1062	03083050			60
HLJ1053	03083060			50.8
HLJ1074	03083070		63.5	70
HLJ1115	03083080		88.9	110
HLK1081	03083090	1/4 (6.25mm)	25.4	80
HLK1101	03083100			100
HLK1151	03083110		150	
HLK1072	03083120		31.8	75
HLK1102	03083130			100
HLK1152	03083140			150
HLK1053	03083150			50
HLK1103	03083160		38.1	100
HLK1153	03083170			150
HLK1203	03083180			200
HLK1104	03083190			100
HLK1154	03083200		50.8	150
HLK1204	03083210			200
HLK1254	03083220			250
HLK1105	03083230			100
HLK1205	03083240		76.2	200
HLK1305	03083250	300		
HLK1106	03083260	101.6	100	
HLK1206	03083270		200	
HLK1306	03083280		300	
HLL1051	03083290		3/8 (9.42mm)	25.4
HLL1101	03083300	100		
HLL1151	03083310	150		
HLL1102	03083320	31.8		100
HLL1122	03083330			125

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
HLL1152	03083340	3/8 (9.42mm)	31.8	150
HLL1202	03083350			200
HLL1053	03083360		38.1	50
HLL1073	03083370			75
HLL1103	03083380			100
HLL1153	03083390			150
HLL1203	03083400		44.5	200
HLL1253	03083410			250
HLL1124	03083420			125
HLL1174	03083430			175
HLL1254	03083440		50.8	250
HLL1055	03083450			50
HLL1105	03083460			100
HLL1155	03083470			150
HLL1205	03083480		57.2	200
HLL1255	03083490			250
HLL1305	03083500	300		
HLL1405	03083510	400		
HLL1076	03083520	63.5	75	
HLL1126	03083530		125	
HLL1176	03083540		175	
HLL1256	03083550		250	
HLL1306	03083560	76.2	300	
HLL1356	03083570		350	
HLL1207	03083580		200	
HLL1257	03083590		250	
HLL1307	03083600	63.5	300	
HLL1407	03083610		400	
HLL1507	03083620		500	
HLL1108	03083630		76.2	100
HLL1158	03083640	150		
HLL1208	03083650	200		
HLL1258	03083660	250		

**Inch size 120V** **Prompt delivery** (\* order made items)

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
HLL1308	03083670	3/8 (9.42mm)	76.2	300
HLL1408	03083680			400
HLL1508	03083690			500
HLL1259	03083700		88.9	250
HLL1309	03083710			300
HLL1509	03083720		500	
HLL3121	03083730		101.6	125
HLL3151	03083740			150
HLL3251	03083750			250
HLL3301	03083760			300
HLL3401	03083770			400
HLL3501	03083780			500
HLL3302	03083790		114.3	300
HLL3502	03083800			500
HLL3153	03083810		127.0	150
HLL3303	03083820			300
HLL3503	03083830			500
HLL3205	03083840		152.4	200
HLL3255	03083850			250
HLL3405	03083860			400
HLL3505	03083870			500
HLL3605	03083880			600
HLL3257	03083890		177.8	250
HLL3607	03083900			600
HLL3309	03083910		203.2	300
HLL3509	03083920			500
HLL3609	03083930			600
HLL5402	03083940		254.0	400
HLL5602	03083950			600
HLL5403	03083960		304.8	400
HLL5603	03083970	600		
HLM1051	03083980	25.4		50
HLM1151	03083990		150	
HLM1052	03084000	31.8	50	
HLM1122	03084010		125	
HLM1053	03084020		50	
HLM1153	03084030	38.1	150	
HLM1203	03084040		200	
HLM1074	03084050	50.8	75	
HLM1204	03084060		200	
HLM1254	03084070		250	
HLM1304	03084080		300	
HLM1404	03084090		400	
HLM1075	03084100		57.2	75
HLM1125	03084110	125		
HLM1255	03084120	250		
HLM1405	03084130	400	400	
HLM1505	03084140		500	
HLM1106	03084150		100	
HLM1256	03084160	60.3	250	
HLM1506	03084170		500	
HLM1107	03084180	63.5	100	
HLM1257	03084190		250	
HLM1307	03084200		300	
HLM1407	03084210		400	
HLM1507	03084220		500	

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
HLM1408	03084230	1/2 (12.60mm)	69.8	400
HLM1129	03084240		76.2	125
HLM1259	03084250			250
HLM1309	03084260			300
HLM1409	03084270			400
HLM1509	03084280			500
HLM1609	03084290			600
HLM1759	03084300		750	
HLM3251	03084310		88.9	250
HLM3501	03084320			500
HLM3152	03084330		101.6	150
HLM3252	03084340			250
HLM3302	03084350			300
HLM3352	03084360			350
HLM3402	03084370			400
HLM3502	03084380	500		
HLM3752	03084390	114.3	750	
HLM3503	03084400		500	
HLM3753	03084410	127.0	750	
HLM3204	03084420		200	
HLM3354	03084430		350	
HLM3404	03084440	400		
HLM3504	03084450	500	500	
HLM3754	03084460		750	
HLM3505	03084470	139.7	500	
HLM3755	03084480		750	
HLM3706	03084490	146.0	700	
HLM3257	03084500	152.4	250	
HLM3507	03084510		500	
HLM3757	03084520		750	
HLM3997	03084530	177.8	1000	
HLM3259	03084540		250	
HLM3509	03084550		500	
HLM3609	03084560	203.2	600	
HLM5302	03084570		300	
HLM5502	03084580	254.0	500	
HLM5992	03084590		1000	
HLM5506	03084600		500	
HLM5996	03084610	304.8	1000	
HLM5507	03084620		500	
HLM5997	03084630	31.8	1000	
※ HLN1051	03084640		50	
※ HLN1201	03084650		200	
※ HLN1251	03084660	38.1	250	
※ HLN1252	03084670		250	
※ HLN1103	03084680	50.8	100	
※ HLN1203	03084690		200	
※ HLN1104	03084700	57.2	100	
※ HLN1254	03084710		250	
※ HLN1354	03084720		350	
※ HLN1285	03084730	60.3	280	
※ HLN1156	03084740		150	
※ HLN1256	03084750	76.2	250	
※ HLN1506	03084760		500	
※ HLN1527	03084770	95.3	525	
※ HLN1258	03084780	101.6	250	

# Inch size cartridge heater

## Inch size 120V Prompt delivery (※ order made items)

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
※ HLN1259	03084790	5/8 (15.77mm)	127.0	250
※ HLN3081	03084800		136.5	800
※ HLN3032	03084810		152.4	300
※ HLN3053	03084820		165.1	500
※ HLN3054	03084830		177.8	500
※ HLN3055	03084840		203.2	500
※ HLN3056	03084850		254.0	500
※ HLN3057	03084860		304.8	500
※ HLN3107	03084870			1000

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
※ HLP1021	03084880	3/4 (18.95mm)	57.2	200
※ HLP1022	03084890		76.2	250
※ HLP1023	03084900		101.6	250
※ HLP1034	03084910		127.0	300
※ HLP1055	03084920		152.4	500
※ HLP1056	03084930		177.8	500
※ HLP1057	03084940		203.2	500

## Inch size 240V Prompt delivery

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
HLJ2042	03085010	1/8 (3.10mm)	38.1	44
HLJ2053	03085020		50.8	50
HLJ2074	03085030		63.5	70
HLJ2115	03085040		88.9	110
HLJ2276	03085050		139.7	270
HLK2222	03085060	1/4 (6.25mm)	31.8	225
HLK2173	03085070		38.1	175
HLK2203	03085080			200
HLK2253	03085090		50.8	250
HLK2124	03085100			125
HLK2154	03085110			150
HLK2204	03085120		200	
HLK2254	03085130		250	
HLK2304	03085140		300	
HLK2205	03085150		76.2	200
HLK2305	03085160	300		
HLK2206	03085170	101.6	200	
HLK2306	03085180		300	
HLK2357	03085190	127.0	350	
HLK2408	03085200	152.4	400	
HLL2201	03085210	3/8 (9.42mm)	25.4	200
HLL2152	03085220		31.8	150
HLL2202	03085230			200
HLL2103	03085240		38.1	100
HLL2153	03085250			150
HLL2203	03085260			200
HLL2253	03085270			250
HLL2254	03085280		44.5	250
HLL2105	03085290		50.8	100
HLL2155	03085300			150
HLL2205	03085310			200
HLL2255	03085320			250
HLL2305	03085330			300
HLL2405	03085340			400
HLL2126	03085350		57.2	125
HLL2256	03085360			250
HLL2306	03085370			300
HLL2356	03085380			350
HLL2207	03085390			200
HLL2257	03085400			250

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
HLL2307	03085410	3/8 (9.42mm)	63.5	300
HLL2407	03085420			400
HLL2507	03085430			500
HLL2108	03085440		76.2	100
HLL2208	03085450			200
HLL2258	03085460			250
HLL2308	03085470			300
HLL2408	03085480			400
HLL2508	03085490			500
HLL2608	03085500		600	
HLL2259	03085510	88.9	250	
HLL2309	03085520		300	
HLL2509	03085530		500	
HLL4121	03085540	101.6	125	
HLL4251	03085550		250	
HLL4301	03085560		300	
HLL4401	03085570		400	
HLL4501	03085580		500	
HLL4302	03085590		114.3	300
HLL4502	03085600	500		
HLL4153	03085610	127.0	150	
HLL4303	03085620		300	
HLL4503	03085630		500	
HLL4753	03085640		750	
HLL4993	03085650		1000	
HLL4604	03085660		139.7	600
HLL4994	03085670			1000
HLL4255	03085680		152.4	250
HLL4405	03085690			400
HLL4505	03085700			500
HLL4605	03085710	600		
HLL4755	03085720	750		
HLL4995	03085730	1000		
HLL4606	03085740	165.1	600	
HLL4996	03085750		1000	
HLL4257	03085760	177.8	250	
HLL4607	03085770		600	
HLL4997	03085780		1000	
HLL4608	03085790		600	
HLL4998	03085800	190.5	1000	

**Inch size 240V Prompt delivery**

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
HLL4309	03085810	3/8 (9.42mm)	203.2	300
HLL4509	03085820			500
HLL4609	03085830			600
HLL4999	03085840			1000
HLL6601	03085850		241.3	600
HLL6991	03085860			1000
HLL6602	03085870		254.0	600
HLL6992	03085880			1000
HLL6603	03085890		304.8	600
HLL6993	03085900			1000
HLM2122	03085910	1/2 (12.60mm)	31.8	125
HLM2202	03085920			200
HLM2153	03085930		38.1	150
HLM2203	03085940			200
HLM2204	03085950		50.8	200
HLM2254	03085960			250
HLM2304	03085970			300
HLM2404	03085980			400
HLM2255	03085990		57.2	250
HLM2405	03086000			400
HLM2505	03086010		60.3	500
HLM2106	03086020			100
HLM2256	03086030		63.5	250
HLM2506	03086040			500
HLM2107	03086050		69.8	100
HLM2257	03086060			250
HLM2307	03086070			300
HLM2407	03086080			400
HLM2507	03086090		76.2	500
HLM2408	03086100			400
HLM2129	03086110		76.2	125
HLM2259	03086120			250
HLM2309	03086130			300
HLM2409	03086140			400
HLM2509	03086150		88.9	500
HLM2609	03086160			600
HLM2759	03086170		101.6	750
HLM4251	03086180			250
HLM4351	03086190			350
HLM4501	03086200			500
HLM4751	03086210	114.3	750	
HLM4152	03086220		150	
HLM4252	03086230	127.0	250	
HLM4302	03086240		300	
HLM4352	03086250		350	
HLM4402	03086260		400	
HLM4502	03086270	101.6	500	
HLM4752	03086280		750	
HLM4992	03086290	114.3	1000	
HLM4503	03086300		500	
HLM4753	03086310	127.0	750	
HLM4204	03086320		200	
HLM4354	03086330		350	
HLM4404	03086340		400	
HLM4504	03086350	127.0	500	
HLM4754	03086360		750	

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
HLM4994	03086370	1/2 (12.60mm)	127.0	1000
HLM4505	03086380		139.7	500
HLM4755	03086390			750
HLM4706	03086400		146.0	700
HLM4257	03086410		152.4	250
HLM4507	03086420			500
HLM4757	03086430			750
HLM4997	03086440		165.1	1000
HLM4508	03086450			500
HLM4998	03086460		177.8	1000
HLM4509	03086470	500		
HLM4609	03086480	190.5	600	
HLM4999	03086490		1000	
HLM6051	03086500	203.2	500	
HLM6101	03086510		1000	
HLM6052	03086520		500	
HLM6102	03086530		1000	
HLM6152	03086540	215.9	1500	
HLM6202	03086550		2000	
HLM6053	03086560	228.6	500	
HLM6103	03086570		1000	
HLM6054	03086580	241.3	500	
HLM6104	03086590		1000	
HLM6055	03086600	254.0	500	
HLM6105	03086610		1000	
HLM6056	03086620		500	
HLM6106	03086630		1000	
HLM6156	03086640	304.8	1500	
HLM6206	03086650		2000	
HLM6057	03086660	355.6	500	
HLM6107	03086670		1000	
HLM6157	03086680	457.2	1500	
HLM6207	03086690		2000	
HLM6108	03086700	5/8 (15.77mm)	1000	
HLM6238	03086710		2300	
HLM6159	03086720		1500	
HLN2252	03086730		38.1	250
HLN2503	03086740	57.2	50.8	500
HLN2254	03086750		250	
HLN2354	03086760	76.2	57.2	350
HLN2285	03086770		280	
HLN2256	03086780	95.3	60.3	250
HLN2506	03086790		500	
HLN2756	03086800	101.6	75.2	750
HLN2527	03086810		525	
HLN2258	03086820		250	
HLN2408	03086830		400	
HLN2508	03086840	127.0	500	
HLN2608	03086850		600	
HLN2758	03086860	101.6	750	
HLN2998	03086870		1000	
HLN2259	03086880	127.0	250	
HLN2509	03086890		500	
HLN2759	03086900	136.5	750	
HLN2999	03086910		1000	
HLN4081	03086920	800		

# Inch size cartridge heater

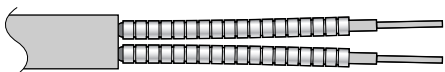
Inch size 240V **Prompt delivery** (\* order made items)

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
HLN4032	03086930	5/8 (15.77mm)	152.4	300
HLN4052	03086940			500
HLN4072	03086950			750
HLN4102	03086960			1000
HLN4152	03086970			1500
HLN4053	03086980		165.1	500
HLN4054	03086990		177.8	500
HLN4104	03087000			1000
HLN4154	03087010			1500
HLN4055	03087020		203.2	500
HLN4085	03087030			850
HLN4105	03087040			1000
HLN4155	03087050			1500
HLN4205	03087060		2000	
HLN4056	03087070		254.0	500
HLN4106	03087080			1000
HLN4156	03087090			1500
HLN4206	03087100		2000	
HLN4057	03087110		304.8	500
HLN4107	03087120			1000
HLN4157	03087130			1500
HLN4207	03087140			2000
HLN4378	03087150		355.6	3700
HLN4079	03087160		381.0	750
HLN4249	03087170			2400
HLN4409	03087180		4000	
HLN6251	03087190		406.4	2500
HLN6451	03087200			4500
HLN6302	03087210		457.2	3000
HLN6472	03087220			4700
HLN6153	03087230	508.0	1500	
HLN6353	03087240		3500	
HLN6473	03087250		4700	
HLN6204	03087260	609.6	2000	
HLN6474	03087270		4700	
HLN6305	03087280		914.4	3000

Type	Products code	Size (mm)		Maximum Watts (W)
		D (inch)	L (mm)	
* HLP2052	03087290	3/4 (18.95mm)	76.2	500
* HLP2053	03087300		101.6	500
* HLP2103	03087310		1000	
* HLP2054	03087320		127.0	500
* HLP2104	03087330			1000
* HLP2055	03087340		152.4	500
* HLP2105	03087350			1000
* HLP2205	03087360			2000
* HLP2056	03087370		177.8	500
* HLP2106	03087380			1000
* HLP2057	03087390		203.2	500
* HLP2107	03087400			1000
* HLP2207	03087410			2000
* HLP2108	03087420		254.0	1000
* HLP2208	03087430			2000
* HLP2109	03087440		304.8	1000
* HLP2209	03087450			2000
* HLP2409	03087460			4000
* HLP4121	03087470		355.6	1250
* HLP4251	03087480			2500
* HLP4451	03087490		4500	
* HLP4152	03087500		381.0	1500
* HLP4183	03087510		406.4	1800
* HLP4473	03087520			4700
* HLP4204	03087530		457.2	2000
* HLP4504	03087540			5000
* HLP4115	03087550		508.0	1150
* HLP4225	03087560			2250
* HLP4525	03087570			5250
* HLP4136	03087580		609.6	1375
* HLP4276	03087590	2750		
* HLP4556	03087600	5500		
* HLP4257	03087610	914.4	2500	

**Option lead** An optional lead is available (length of lead depends upon customer's request)

● for HL type and inch sizes

Lead kinds		Heat-proof * temperature
Standard products	Nickel glass heat resistance electric wire	300 °C
Option -1	Fluoro-resin (FEP) covered electric wire	200 °C
Option -2	Silica wool yarn covered electric wire	400 °C
Option -3	Nickel single wire +R insulator 	500 °C

● For SL type

Lead kinds		Heat-proof * temperature
Standard products	Nickel glass heat resistance electric wire	300 °C
Option -1	Silica wool yarn covered electric wire (applicable for more than diameter 12 of sheath)	400 °C