

Standard (Non-Stock) and Stock Screw Plug Immersion Heaters

Stock Items Are Shown In **RED**

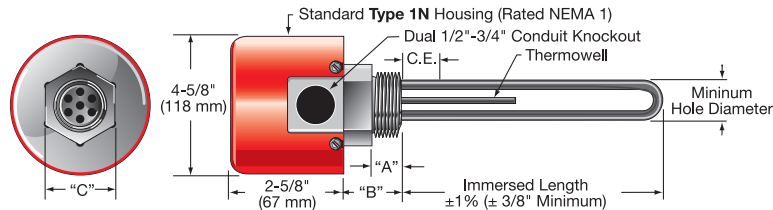
23 watts/in² (3.6 watts/cm²) — Typical Applications: **Lightweight Oils • Degreasing Solutions • Heat Transfer Oils**

* **Steel Screw Plug** * **Steel Sheath Heating Elements** * **NEMA 1 Terminal Housing**

NOTE: Dual-Voltage heaters are 1-Phase and are wired for the higher voltage unless otherwise specified.
Part Numbers followed by a ① are 3-Phase only. Other 3-Phase heaters are convertible to 1-Phase.

Nominal Pipe Size	Immersed Length		KW	Part Number						Approximate Net Weight	
	in	mm		120V-1Ph	120/240V	240V-1Ph	240V-3Ph	240/480V	480V-3Ph	lbs	kgs
1" NPT 1 element	6½	165	0.25	TSP01632	—	TSP01633	—	—	—	2	1
	7½	200	0.3	TSP01634	—	TSP01635	—	—	—	2	1
	9¼	235	0.35	TSP01636	—	TSP01637	—	—	—	2	1
	9¾	238	0.5	TSP01638	—	TSP01639	—	—	—	2	1
	13½	343	0.75	TSP01640	—	TSP01641	—	—	—	3	1
	16¾	425	1	TSP01642	—	TSP01643	—	—	—	3	1
	23¾	603	1.5	TSP01644	—	TSP01645	—	—	—	3	1
1¼" NPT 2 elements	6¾	162	0.5	—	TSP01646	—	—	—	—	3	1
	8¾	225	0.7	—	TSP01647	—	—	—	—	3	1
	10⅝	256	0.75	—	TSP01648	—	—	—	—	4	2
	12¾	324	1	—	TSP01649	—	—	—	—	4	2
	19¾	492	1.5	—	TSP01650	—	—	—	—	4	2
	25¾	645	2	—	TSP01651	—	—	—	—	5	2
	36¾	937	3	—	TSP01652	—	—	—	—	5	2
2" NPT 2 elements	9½	241	1	—	TSP01653	—	—	TSP01654	—	5	2
	13½	343	1.5	—	TSP01655	—	—	TSP01656	—	5	2
	17½	445	2	—	TSP01657	—	—	TSP01658	—	6	3
	20½	521	2.5	—	TSP01659	—	—	TSP01660	—	6	3
	25	635	3	—	TSP01661	—	—	TSP01662	—	6	3
	32½	826	4	—	TSP01663	—	—	TSP01664	—	7	3
	40	1016	5	—	TSP01665	—	—	TSP01666	—	8	4
	47½	1207	6	—	—	—	—	TSP01667	—	8	4
2" NPT 3 elements	9½	241	1.5	TSP01668	—	—	TSP01669	—	TSP01670①	5	2
	17½	445	3	TSP01671	—	—	TSP01672	—	TSP01673①	6	3
	22	559	3.75	TSP01674	—	—	TSP01675	—	TSP01676	7	3
	25	635	4.5	TSP01677	—	—	TSP01678	—	TSP01679	7	3
	32½	826	6	—	—	—	TSP01680	—	TSP01681	8	4
	40	1016	7.5	—	—	—	TSP01682	—	TSP01683	9	4
	47½	1207	9	—	—	—	TSP01684	—	TSP01685	10	5
	64	1626	12.5	—	—	—	TSP01686	—	TSP01687	12	5
2½" NPT 3 elements	17¼	438	3	TSP01688	—	—	TSP01689	—	TSP01690①	8	4
	19⅝	484	3.75	TSP01691	—	—	TSP01692	—	TSP01693	8	4
	24¾	629	4.5	TSP01694	—	—	TSP01695	—	TSP01696	9	4
	32¼	819	6	—	—	—	TSP01697	—	TSP01698	11	5
	39¾	1010	7.5	—	—	—	TSP01699	—	TSP01700	12	5
	47¼	1200	9	—	—	—	TSP01701	—	TSP01702	13	6
	63¾	1619	12.5	—	—	—	TSP01703	—	TSP01704	16	7
	76¼	1937	15	—	—	—	TSP01705	—	TSP01706	18	8

Screw Plug Heater Dimensions



Screw Plug NPT	Minimum Hole Diameter		"A"		"B"		"C"		Thermowell Bulb Size		Standard Cold Ends (CE)		Element Diameter	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1"	1-1/8	29	7/8	22	1-1/4	32	1-3/8	35	1/4	6.4	1	25	.315	8
1-1/4"	1-3/8	35	15/16	24	1-5/16	33	1-3/4	44	1/4	6.4	1	25	.315	9
2"	2-1/4	57	1-1/16	27	1-9/16	40	2-1/2	64	3/8	9.5	2	50	.430	11
2-1/2"	2-1/2	64	1-5/16	33	2-1/16	52	3	76	3/8	9.5	2	50	.475	12