Declaration of Performance

No. 034 09032017

PRINCESS 1 COLUMN 460MM

Unique Product Code:	**TBK102/103**
Type, batch or serial number:	**TBK102/103-460**
Intended use of the construction product:	Heat emitters for central heating systems to be supplied with hot water or steam below 120°C from a remote heat source.
Manufacturer:	Jig UK Ltd, Hurlingham Business Park, Fulbeck Heath, Grantham NG32 3HL
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	BSRIA, Bracknell, Berkshire, RG12 7AH (0480)
Test report number:	**52649A4AR**

Declared Performance

Essential Characteristics	Performance	Harmonized Technical Specification
Reaction to fire	A1	EN 442-1:2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 x maximum operating pressure [kPa]	
Surface temperature	Maximum 120°C	
Resistance to pressure	No breakage at 1.69 x maximum operating pressure [kPa]. Maximum operating pressure: 550 [kPa]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$Ø = Km \cdot \Delta T^n$ See appendix for factor Km and exponent n	
Resistance against corrosion	No corrosion after 100h humidity	
Resistance against minor impact	Class 0	

Signed for and on behalf of the manufacturer by:

Brian Athey
Managing Director
Dated: 11/11/2026

APPENDIX 1 - Dimensions and Thermal Outputs

SKU	Sections	Length (inc. bushes)	BTU's (ΔT 30°)	Watts (ΔT 30°)	BTU's (ΔT 50°)	Watts (ΔT 50°)	Factor, Km	Exponent, n
TBK102/103-460-03	3	262mm	273	80	512	150	1.2664071	1.2205
TBK102/103-460-04	4	338mm	365	107	682	200	1.6885429	1.2205
TBK102/103-460-05	5	414mm	457	134	853	250	2.1106786	1.2205
TBK102/103-460-06	6	490mm	549	161	1024	300	2.5328143	1.2205
TBK102/103-460-07	7	566mm	641	188	1194	350	2.95495	1.2205
TBK102/103-460-08	8	642mm	730	214	1365	400	3.3770857	1.2205
TBK102/103-460-09	9	718mm	822	241	1535	450	3.7992214	1.2205
TBK102/103-460-10	10	794mm	914	268	1706	500	4.2213571	1.2205
TBK102/103-460-11	11	870mm	1007	295	1877	550	4.6434929	1.2205
TBK102/103-460-12	12	946mm	1095	321	2047	600	5.0656286	1.2205
TBK102/103-460-13	13	1022mm	1187	348	2218	650	5.4877643	1.2205
TBK102/103-460-14	14	1098mm	1280	375	2388	700	5.9099	1.2205
TBK102/103-460-15	15	1174mm	1372	402	2559	750	6.3320357	1.2205
TBK102/103-460-16	16	1250mm	1464	429	2730	800	6.7541714	1.2205
TBK102/103-460-17	17	1326mm	1553	455	2900	850	7.1763071	1.2205
TBK102/103-460-18	18	1402mm	1645	482	3071	900	7.5984429	1.2205
TBK102/103-460-19	19	1478mm	1737	509	3242	950	8.0205786	1.2205
TBK102/103-460-20	20	1554mm	1829	536	3412	1000	8.4427143	1.2205
TBK102/103-460-21	21	1630mm	1921	563	3583	1050	8.86485	1.2205
TBK102/103-460-22	22	1706mm	2010	589	3753	1100	9.2869857	1.2205
TBK102/103-460-23	23	1782mm	2102	616	3924	1150	9.7091214	1.2205
TBK102/103-460-24	24	1858mm	2194	643	4095	1200	10.131257	1.2205
TBK102/103-460-25	25	1934mm	2286	670	4265	1250	10.553393	1.2205
TBK102/103-460-26	26	2010mm	2378	697	4436	1300	10.975529	1.2205
TBK102/103-460-27	27	2086mm	2467	723	4606	1350	11.397664	1.2205
TBK102/103-460-28	28	2162mm	2559	750	4777	1400	11.8198	1.2205
TBK102/103-460-29	29	2238mm	2651	777	4948	1450	12.241936	1.2205
TBK102/103-460-30	30	2314mm	2743	804	5118	1500	12.664071	1.2205