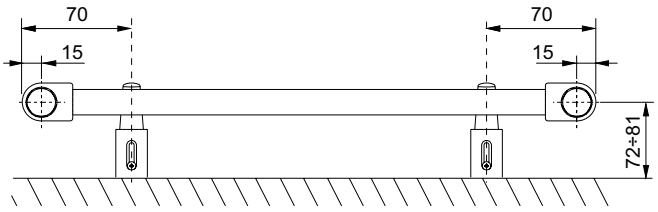
KORALUX STANDARD

Technical Data

Height H	700, 900, 1220, 1500 mm
Length L	400, 500, 600 mm
Depth B	30 mm
Connecting pitch	**h = L** - 30 mm
Connecting thread	4 x G 1/2 inside
Highest allowed working pressure	10 bar
Test presure	13 bar
Maximum water temperature	110 °C
Flow coefficient	A_T =1,6 x 10^{-4} m^2
Coefficient of resistance	ξ_T = 3,1

Fitting

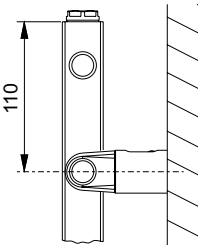


Design

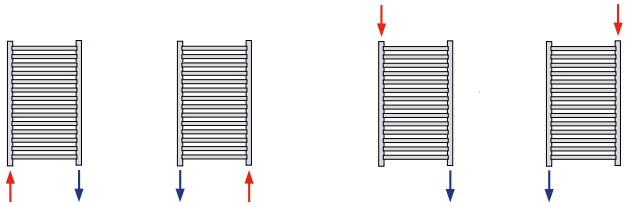
KORALUX STANDARD (KS) is a towel rail radiator with **bottom connection from the bottom down** with connecting pitch **h** derived from its length **L**. The design of the radiator also allows for **double sided connection from the top down**.

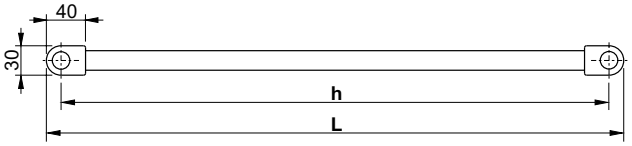
Steel tubes ∅ 20 mm
Steel profile 40 x 30 mm

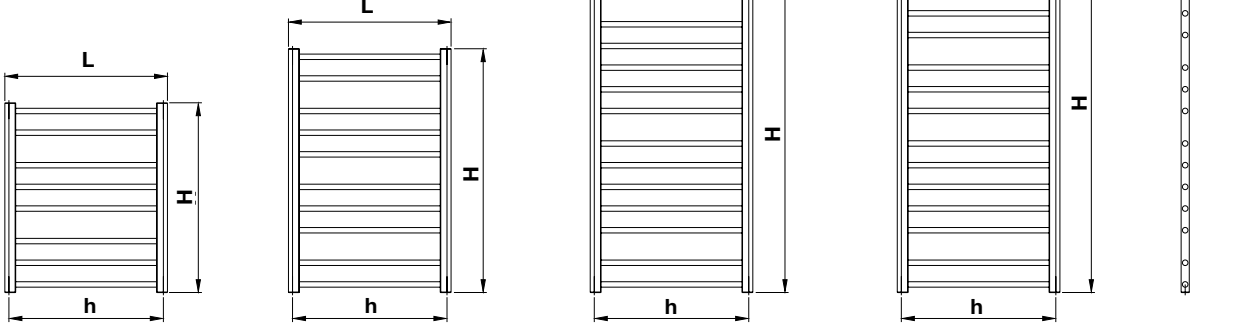
The mounting set is delivered as standard and consists of 4 special plastic brackets, screws, dowels and assembly instructions.



Type of Connection KORALUX STANDARD







KS 700... **KS 900...** **KS 1220...** **KS 1500...**

HEAT OUTPUT Q [W] FOR WATER AS A HEAT-CARRYING AGENT CERTIFIED TO EN 442

BASIC TECHNICAL PARAMETERS

Model number	H [mm]	L [mm]	h [mm]	t_1/t_2 [°C]	Q [W] for t_i[°C]					Nominal heat output Q_N [W] (75/65/20°C)	Temperature exponent n [-]	Radiator weight M_T [kg]	Water volume V_T [l]	Max. heat output E - element P [W]*
					15	18	20	22	24					
KS 700.400	700	400	370	75/65	223	208	198	188	179	198	1,2347	3,3	1,9	–
				70/55	186	171	162	153	143					
				55/45	127	114	105	97	88					
KS 700.500	700	500	470	75/65	260	242	231	220	209	231	1,2278	3,7	2,1	200
				70/55	217	200	189	178	168					
				55/45	149	134	123	113	103					
KS 700.600	700	600	570	75/65	295	276	263	250	238	263	1,2209	4,1	2,3	200
				70/55	247	228	216	203	191					
				55/45	170	153	141	130	118					
KS 900.400	900	400	370	75/65	285	266	254	242	230	254	1,2153	4,2	2,5	200
				70/55	239	220	208	197	185					
				55/45	165	148	137	126	115					
KS 900.500	900	500	470	75/65	334	312	297	283	268	297	1,2219	4,7	2,7	200
				70/55	279	258	244	230	216					
				55/45	192	172	159	146	134					
KS 900.600	900	600	570	75/65	379	354	337	321	304	337	1,2285	5,2	3,0	300
				70/55	316	292	276	260	244					
				55/45	217	195	180	165	151					
KS 1220.400	1220	400	370	75/65	388	362	345	328	311	345	1,2274	5,7	3,4	300
				70/55	324	299	283	266	250					
				55/45	223	199	184	169	155					
KS 1220.500	1220	500	470	75/65	453	423	403	383	364	403	1,2341	6,4	3,7	300
				70/55	378	349	330	311	292					
				55/45	260	232	215	197	180					
KS 1220.600	1220	600	570	75/65	515	481	458	435	413	458	1,2407	7,1	4,1	400
				70/55	430	396	374	353	331					
				55/45	294	263	243	223	203					
KS 1500.400	1500	400	370	75/65	481	448	427	406	385	427	1,2423	7,0	4,1	400
				70/55	401	369	349	329	309					
				55/45	274	245	226	208	190					
KS 1500.500	1500	500	470	75/65	562	524	499	474	450	499	1,2456	7,8	4,6	400
				70/55	468	432	408	384	360					
				55/45	320	286	264	242	221					
KS 1500.600	1500	600	570	75/65	639	595	567	539	511	567	1,2489	8,6	5,0	500
				70/55	532	490	463	436	409					
				55/45	363	325	300	275	251					

* Stated maximum output values of the electric heating element apply for combined heating (see page 38)

Characteristic equation: $\Phi = K_T \bullet L^a \bullet H^b \bullet \Delta T^{(c_0+c_1.H)}$

K_T	a	b	c_0	c_1
6,09652 x 10^{-5}	0,6969140	0,9191200	1,2108153	2,19842 x 10^{-5}

Stated heat output values apply for the illustrated types of radiator connections:

KS

bottom connection

KORALUX STANDARD

HEAT OUTPUT Q [W] FOR WATER AS A HEAT-CARRYING AGENT CERTIFIED TO EN 442

BASIC TECHNICAL PARAMETERS

Model number	H [mm]	L [mm]	h [mm]	t_1/t_2 [°C]	Q [W] for t_i[°C]					Nominal heat output Q_N [W] (75/65/20°C)	Temperature exponent n [-]	Radiator weight M_T [kg]	Water volume V_T [l]	Max. heat output E - element P [W]*
					15	18	20	22	24					
				75/65	240	224	213	202	192					
KS 700.400	700	400	370	70/55	200	184	173	163	153	213	1,2674	3,3	1,9	–
				55/45	136	121	111	102	93					
				75/65	281	262	249	237	224					
KS 700.500	700	500	470	70/55	233	215	203	191	179	249	1,2616	3,7	2,1	200
				55/45	159	142	131	120	109					
				75/65	319	297	283	269	255					
KS 700.600	700	600	570	70/55	265	244	231	217	204	283	1,2557	4,1	2,3	200
				55/45	181	162	149	137	125					
				75/65	309	289	275	261	248					
KS 900.400	900	400	370	70/55	258	238	225	212	199	275	1,2365	4,2	2,5	200
				55/45	177	158	146	134	123					
				75/65	363	338	322	306	290					
KS 900.500	900	500	470	70/55	302	279	263	248	233	322	1,2432	4,7	2,7	200
				55/45	207	185	171	157	143					
				75/65	411	383	365	347	329					
KS 900.600	900	600	570	70/55	342	316	298	280	263	365	1,2499	5,2	3,0	300
				55/45	234	209	193	177	161					
				75/65	419	391	373	355	337					
KS 1220.400	1220	400	370	70/55	350	323	306	288	271	373	1,2274	5,7	3,4	300
				55/45	241	216	199	183	167					
				75/65	490	458	436	415	393					
KS 1220.500	1220	500	470	70/55	409	378	357	336	316	436	1,2341	6,4	3,7	300
				55/45	281	251	232	213	195					
				75/65	558	521	496	472	447					
KS 1220.600	1220	600	570	70/55	465	429	405	382	359	496	1,2407	7,1	4,1	400
				55/45	319	285	263	242	220					
				75/65	517	481	458	435	412					
KS 1500.400	1500	400	370	70/55	429	395	373	351	329	458	1,2640	7,0	4,1	400
				55/45	292	261	240	220	200					
				75/65	604	563	536	509	483					
KS 1500.500	1500	500	470	70/55	503	463	437	411	386	536	1,2568	7,8	4,6	400
				55/45	342	306	282	259	236					
				75/65	686	640	609	579	549					
KS 1500.600	1500	600	570	70/55	571	526	497	468	439	609	1,2532	8,6	5,0	500
				55/45	389	348	321	294	268					

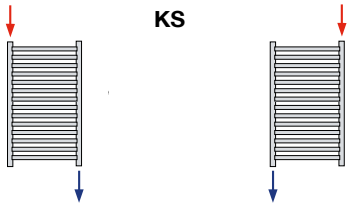
* Stated maximum output values of the electric heating element apply for combined heating (see page 38)

Characteristic equation: $\Phi = K_T \bullet L^a \bullet H^b \bullet \Delta T^{(c_0+c_1 \cdot H)}$

K_T	a	b	c_0	c_1
$2{,}60605 \times 10^{-5}$	0,6991236	1,0406641	1,2617516	$-8{,}966688 \times 10^{-6}$

Stated heat output values apply for the illustrated types of radiator connections:

KS



double - sided from the top down