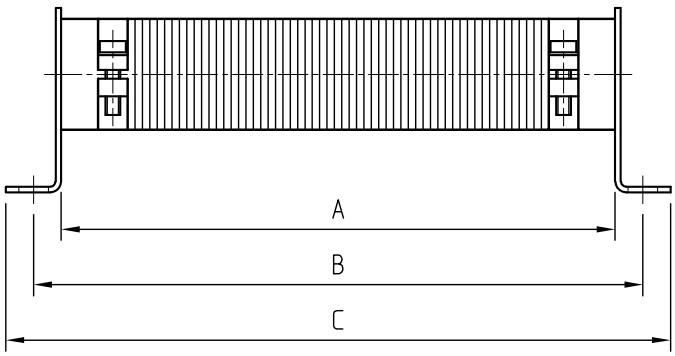
Wire-wound tubular resistors type FW30
Data sheet

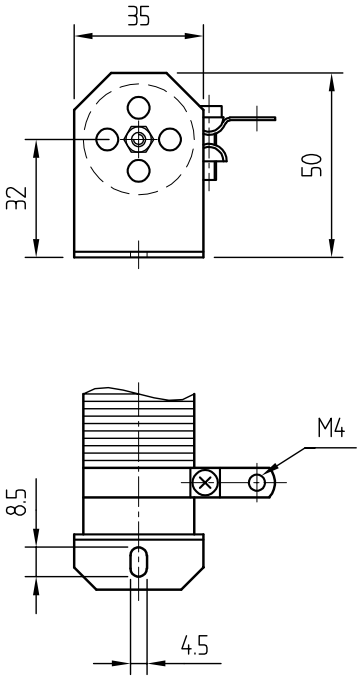
Construction
- Ceramic resistor carrier KER 410
- Resistance material CuNi44
- End- and tap clips made of brass nickeled
- Holding bolt, angle brackets or mounting plates, also nuts and conical spring washers made of electric zinc steel, plated blue

Execution
- Standard execution with angle brackets
- On request: - with mounting plates
  - Double and triple design
  - with additional tabs

Type	FW 30-100	FW 30-120	FW 30-150	FW 30-175	FW 30-200
Resistance range	R14 - 7K3	R19 - 9K6	R26 - 13K1	R32 - 16K	R38 - 18K8
Tolerance	K (±10%), tighter tolerances on request				
Charge*	50 W	70 W	90 W	110 W	125 W
Temperature coeffizient	+40 – 80 ppm				
Surface temperature	300 °C				
Dielectric strength	3 kV AC, 50 Hz, 1 minute				
Dimensions A	100	120	150	175	200
B	115	135	165	190	215
C	130	150	180	205	230

* The effective charge is defined by the resistance value and the nominal current (table on sheet 1-1-17)

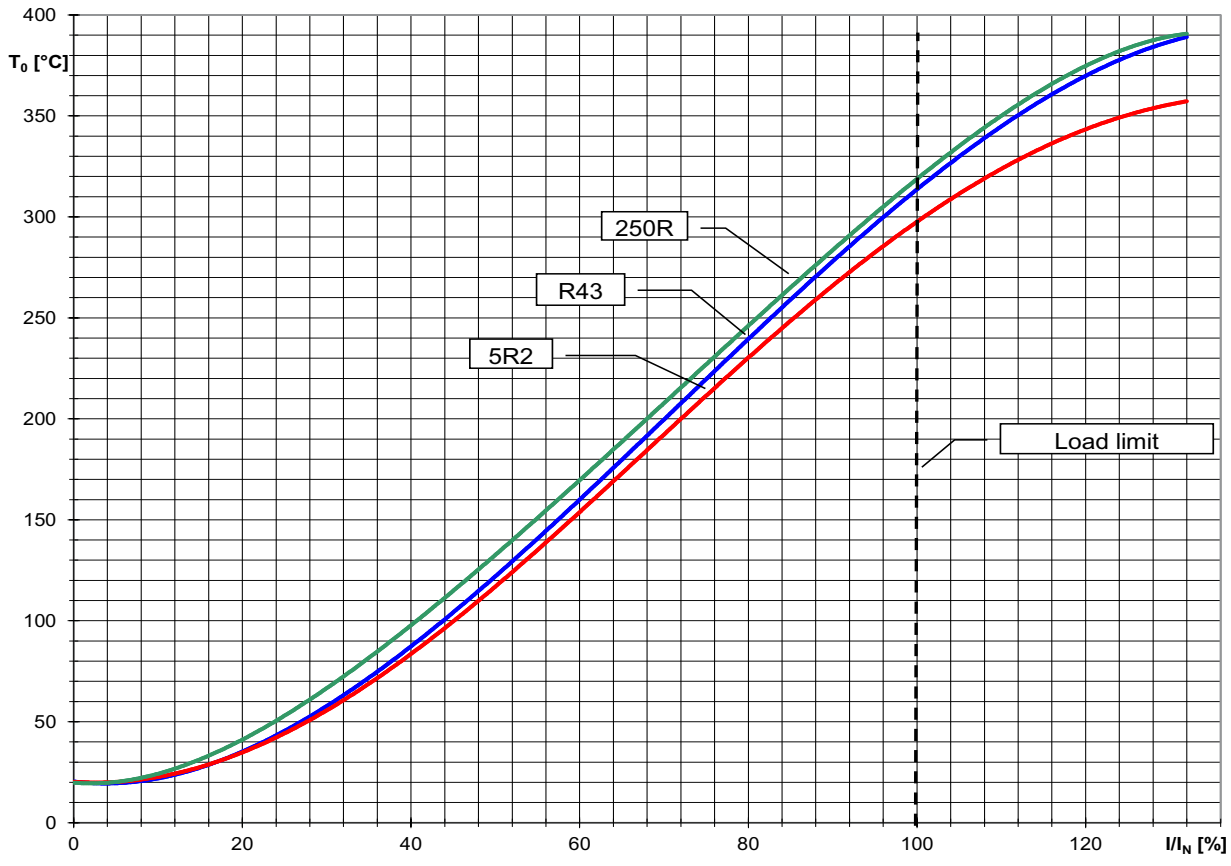




Wire-wound tubular resistors type FW30
Load data

Type FW	30 – 100	30 – 120	30 – 150	30 – 175	30 – 200	Type FW	30 – 100	30 – 120	30 – 150	30 – 175	30 - 200
I_N [A]	Available resistance values*					I_N [A]	Available resistance values*				
0.08	7 K 3	9 K 6	13 K 1	16 K	18 K 8	1.8	17 R 5	23 R	31 R	38 R	45 R
0.1	5 K 1	6 K 8	9 K 2	11 K 2	13 K 2	2	14 R	18 R 5	25 R	30 R	35 R
0.12	3 K 7	5 K 0	6 K 7	8 K 2	9 K 6	2.3	11 R	14 R 5	20 R	24 R	28 R
0.14	2 K 8	3 K 7	5 K 0	6 K 1	7 K 2	2.5	9 R 0	12 R	16 R	20 R	23 R
0.16	2 K 15	2 K 85	3 K 9	4 K 7	5 K 6	2.7	7 R 5	10 R	13 R 5	16 R	19 R
0.18	1 K 7	2 K 25	3 K 0	3 K 7	4 K 4	2.9	6 R 6	8 R 5	12 R	14 R 5	17 R
0.19	1 K 35	1 K 8	2 K 45	3 K 0	3 K 5	3.1	5 R 3	7 R 0	9 R 5	11 R 5	13 R 5
0.2	1 K 1	1 K 45	2 K 0	2 K 4	2 K 85	3.3	4 R 3	5 R 5	7 R 5	9 R 3	11 R
0.225	920 R	1 K 2	1 K 65	2 K 0	2 K 35	3.5	3 R 8	5 R 0	6 R 9	8 R 4	9 R 9
0.25	770 R	1 K 0	1 K 35	1 K 65	1 K 95	4.2	2 R 8	3 R 7	5 R 0	6 R 0	7 R 3
0.275	650 R	850 R	1 K 15	1 K 4	1 K 65	5	2 R 3	3 R 0	4 R 0	4 R 9	5 R 8
0.3	550 R	720 R	980 R	1 K 2	1 K 4	5.5	1 R 85	2 R 5	3 R 3	4 R 1	4 R 8
0.325	470 R	620 R	840 R	1 K 02	1 K 2	6.2	1 R 4	1 R 85	2 R 5	3 R 1	3 R 6
0.35	350 R	460 R	630 R	770 R	900 R	7	1 R 15	1 R 5	2 R 1	2 R 5	3 R 0
0.45	240 R	320 R	430 R	520 R	620 R	8	R 90	1 R 2	1 R 65	1 R 95	2 R 4
0.55	170 R	225 R	300 R	370 R	440 R	9	R 75	1 R 0	1 R 4	1 R 7	2 R 0
0.6	140 R	185 R	250 R	300 R	360 R	10	R 64	R 85	1 R 15	1 R 44	1 R 7
0.7	115 R	150 R	205 R	250 R	300 R	11	R 54	R 72	1 R 0	1 R 23	1 R 45
0.8	90 R	115 R	160 R	190 R	225 R	12	R 47	R 62	R 86	1 R 05	1 R 25
0.9	75 R	100 R	135 R	160 R	190 R	14	R 35	R 47	R 65	R 80	R 94
0.95	70 R	90 R	125 R	150 R	175 R	15	R 27	R 36	R 50	R 61	R 73
1	60 R	80 R	105 R	130 R	150 R	16	R 24	R 32	R 45	R 55	R 65
1.2	42 R	55 R	75 R	90 R	105 R	20	R 17	R 23	R 32	R 39	R 47
1.4	30 R	40 R	54 R	66 R	78 R	22	R 14	R 19	R 26	R 32	R 38
1.6	23 R	30 R	40 R	50 R	59 R						

*Other resistance values on request



Surface temperature in function of the load

The limit for permanent load is set after long experience.