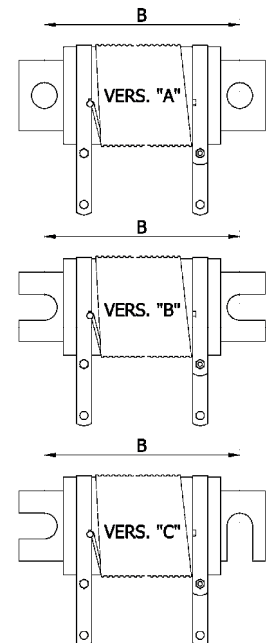
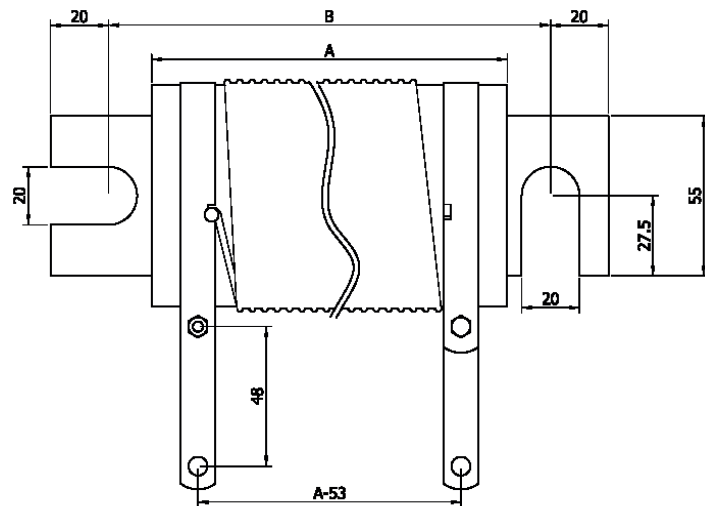
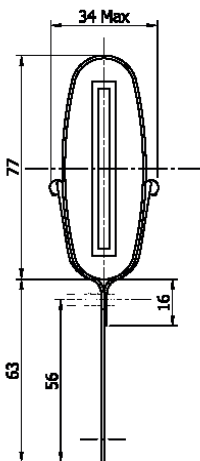




ELLIPTICAL CEMENTED WIREWOUND RESISTORS MODEL RCE

TECHNICAL DESIGN



RCE TYPE	RCE 800	RCE 1200	RCE 1600	RCE 2000
Power Rating	800 W	1200 W	1600 W	2000 W
Min. Resistance value	1R	1R	1R	1R
Max. Resistance value	27K	27K	27K	27K
Limit Voltage	1000 V	1000 V	1000 V	1000 V
DIMENSIONS	RCE 800	RCE 1200	RCE 1600	RCE 2000
Total Length mm	380	500	620	690
A mm	300	400	500	600
B mm	340	460	580	650
Total Height mm	140	140	140	140

THE OHMIC VALUE SHOWN (MIN – MAX) ARE INTENDED AS TOTAL RESISTANCE OF WINDING

GENERAL FEATURES

These are industrial resistors with extremely high overload characteristics, which are mechanically very robust and non-inflammable, with excellent insulation and high dissipation capacity. Thanks to these characteristics, the RCE resistors are particularly well suited for load groups and in railroad traction applications. The external protection of the resistor consists of a ceramic cement lining.

The resistive element consists of wire in Ni-Cr alloy or twisted constantan, on an extremely high quality elliptical ceramic support. The support is fastened by a stainless steel frame equipped with bores or slots for attachment.

The resistors can be produced with different specifications for the slots (type "A", "B" or "C").

ELECTRICAL CHARACTERISTICS

- Standard tolerance: $\pm 10\%$
- Temperature coefficient $\leq 100 \text{ ppm}/^\circ\text{C}$
- Insulation resistance $> 100 \text{ Mohm (500 Vdc)}$
- Max operating temperature: $350 \text{ }^\circ\text{C}$

OPTIONAL

A low induction Ayrton-Perry type winding can be provided on request.

MAXIMUM LOAD LIMIT

The nominal power P_n shown in the table refers to resistors placed horizontally and free in naturally circulating air, with an environmental temperature of 25°C .

With forced ventilation the nominal power dissipation capacity of the resistor increases as a function of the air speed.