

The Heavy Duty Resistor is mainly used for dynamic braking or where a pulse rated resistor is required.

- Power rating 200 - 750 watts
- 6 wattage sizes
- High short term capacity
- High element weight for value
- Good stability at high temperatures
- RoHS Compliant



## General Notes

### Power ratings

Standard continuous ratings are from 200 watts to 750 watts. For pulse ratings refer to the table below.

### Thermal cut-outs

Cut-outs can be fitted to certain resistors which will operate a contact to disconnect the resistor to prevent overload damage.

### Resistance

The minimum and maximum values shown below are those available within a range of standard resistance alloys.

You may select any ohmic value between min and max values.

## Ordering Procedure

Standard Resistor To specify standard: Series, Watts, Nominal Value, Tolerance, e.g.: HD300 2R2 K

Tolerance (Code)  $\pm 5\%$  (J) and  $\pm 10\%$  (K)

## Electrical Specifications

Type	Continuous	Short Time (Seconds)			Intermittent (Minutes)					Ohmic Values		
		5	10	20	1/2	1	2	3	4	Min	Max	
HD200	200	4000	3000	1800	1100	660	500	400	300	250	0.45	872
HD300	300	6000	4500	2700	1650	990	750	600	450	375	0.67	1294
HD400	400	8000	6000	3600	2200	1320	1000	800	600	500	0.90	1700
HD450	450	9000	6700	4000	2500	1500	1130	900	690	570	1.06	2100
HD600	600	12300	9200	5500	3200	1930	1460	1170	880	740	1.35	2600
HD750	750	14700	11000	6600	4000	2420	1830	1460	1100	920	1.60	3100
Operation once per hour				Operating time in any 15 minute period						With tapping band		
The power in watts to give a temperature rise of 300°C in time stated												

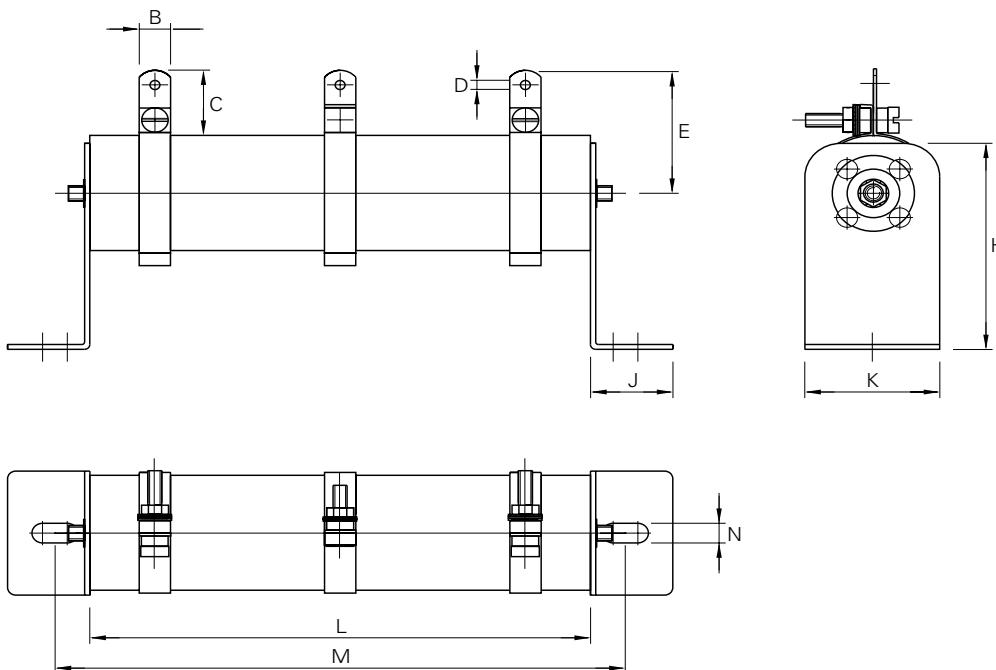
ARCOL UK Limited,  
Threemilestone Ind. Estate,  
Truro, Cornwall, TR4 9LG, UK.  
T +44 (0) 1872 277431  
F +44 (0) 1872 222002  
E sales@arcolresistors.com

[www.arcolresistors.com](http://www.arcolresistors.com)

The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

## Dimensions (mm)



Type	B Max	C Max	D Max	E max	H Max	J Max	K max	L max	M Max	N Max
HD200	9.5	21.0	5.0	43.0	73.0	19.0	44.0	152.0	173.0	7 X 14
HD300	9.5	21.0	5.0	43.0	73.0	19.0	44.0	203.0	223.0	7 X 14
HD400	9.5	21.0	5.0	43.0	73.0	19.0	44.0	254.0	274.0	7 X 14
HD450	9.5	21.0	5.0	43.0	73.0	19.0	44.0	305.0	325.0	7 X 14
HD600	9.5	23.0	5.0	50.0	103.0	25.5	54.0	305.0	333.0	7 X 17
HD750	9.5	23.0	5.0	50.0	103.0	25.5	54.0	356.0	384.0	7 X 17

ARCOL UK Limited,  
Threemilestone Ind. Estate,  
Truro, Cornwall, TR4 9LG, UK.  
T +44 (0) 1872 277431  
F +44 (0) 1872 222002  
E sales@arcolresistors.com

[www.arcolresistors.com](http://www.arcolresistors.com)

The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.