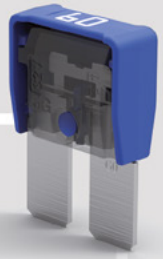
MTA
Advanced Automotive Solutions



AUTOMOTIVE FUSES

TECHNOLOGICAL KNOWLEDGE AND HIGH PERFORMANCES

The fuse is a much used commodity, an electric component that is sometimes taken for granted in spite of its essential role in protecting a car's electric systems and its growing importance due to the increasing amount of electric currents running through the car's wiring.

MTA has been developing and producing fuses for automotive applications since 1954 and is a member of ISO committee with several OEMs homologations.

Each year MTA invests in Research & Development to grant state-of-the-art products to remain at the forefront of technological innovation. Speaking about MTA core business – the fuses – a dedicated Research & Innovation Team concentrates on entering new products lines in the market, presenting new solutions and new technologies to secure a leading competitive position. In fact, besides the most known Mini, Standard and Maxi blade fuses, and the bolt-down Midi and Mega, MTA has developed two special ranges of fuses called "Compact" and "Power".

THE “COMPACT” RANGE

To meet the latest demands of a market that requires smaller and lighter fuses, MTA has developed 3 different types of Compact fuses: the MaxiCompact, the M8Compact and the MegaCompact.

MaxiCompact
The MaxiCompact range is meant as a substitute for MaxiVal and J-case fuses in the stated current range. The MaxiCompact fuses are smaller than the current solutions and enable significant space-saving when compared to counterparts. This family also accommodates thinner wires for space and weight saving.

M8Compact
The M8Compact range combines the typical high-current performance of MaxiVal fuses, which it is meant to substitute, but requires 46% less space.
The concept is the same adopted for the MaxiCompact range, with smaller tolerance ranges and higher self-heating performance.

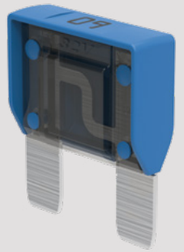
MegaCompact
If compared to the MegaVal, the MegaCompact allows for a reduction in area and volume of about 30%. Simulations of real-world applications in fuse box have shown how we can obtain a considerable decrease in the raw materials used, the size and the total weight of the finished product.

Download all the technical data sheets on www.mta.it/en/fuses

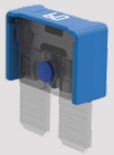
BLADE FUSES 12/24 V

MINIVAL

UNIVAL



MAXIVAL



MAXICOMPACT

M8COMPACT

BOLT-DOWN FUSES 12/24 V

MIDIVAL

MEGACOMPACT

MEGAVAL
POWERVAL

BOLT-DOWN FUSES 48 V

MIDIVAL

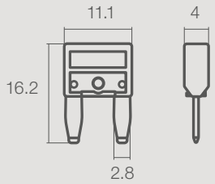
BLADE FUSES 12/24 V

miniVAL®

Tin plated zinc alloy

2 A	Grey
3 A	Violet
4 A	Pink
5 A	Light brown
7.5 A	Brown
10 A	Red
15 A	Blue
20 A	Yellow
25 A	Natural
30 A	Green

Scale 1:1 size,
dimensions in mm

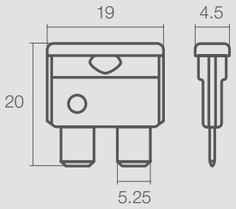


uniVAL®

Tin plated zinc alloy

1 A	Black
2 A	Grey
3 A	Violet
4 A	Pink
5 A	Light brown
7.5 A	Brown
10 A	Red
15 A	Blue
20 A	Yellow
25 A	Natural
30 A	Green
40 A	Orange

Scale 1:1 size,
dimensions in mm



maxiCompact

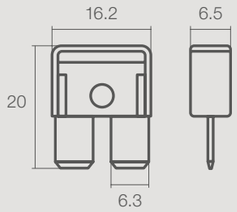
Tin plated zinc alloy

20 A	Yellow
25 A	White
30 A	Light green
35 A	Dark green
40 A	Orange
50 A	Red
60 A	Blue

Silver plated copper

25 A	White
30 A	Light green
35 A	Dark green
40 A	Orange
50 A	Red
60 A	Blue

Scale 1:1 size,
dimensions in mm



M8Compact®

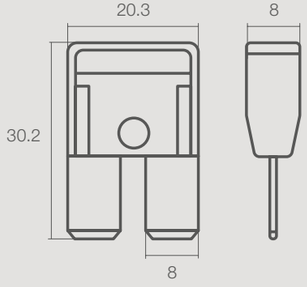
Tin plated zinc alloy

30 A	Light green
35 A	Dark green
40 A	Orange
50 A	Red
60 A	Blue
70 A	Brown
80 A	Black

Silver plated copper

30 A	Light green
40 A	Orange
50 A	Red
60 A	Blue
70 A	Brown
80 A	Black
100 A	Violet

Scale 1:1 size, dimensions in mm

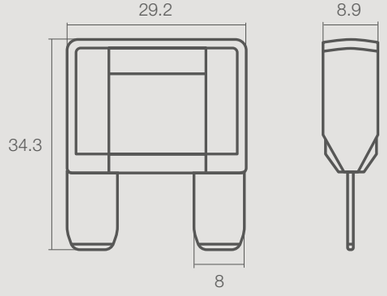


maxiVAL®

Tin plated zinc alloy

20A	Yellow
30A	Green
40A	Orange
50A	Red
60A	Blue
70A	Light brown
80A	Natural
100A	Violet

Scale 1:1 size, dimensions in mm



Clinched fuse available

MIDIVAL®

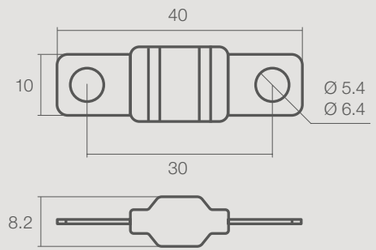
Tin plated zinc alloy
M5 bolts available

30 A	Orange
40 A	Green
50 A	Red
60 A	Yellow
70 A	Brown
80 A	White
100 A	Blue
125 A	Pink

Tin plated copper
M5 or M6 bolts available

30 A	Orange
40 A	Green
50 A	Red
60 A	Yellow
70 A	Brown
80 A	White
100 A	Blue
125 A	Pink
150 A	Grey
175 A	Light brown
200 A	Violet

Scale 1:1 size, dimensions in mm



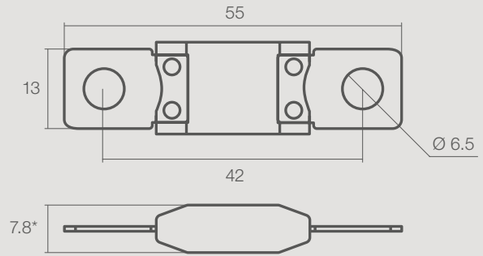
Clinched fuse available

MEGACOMPACT

Tin plated copper

80 A	Red
100 A	Yellow
125 A	Green
150 A	Orange
175 A	White
200 A	Blue
225 A	Light brown
250 A	Pink
300 A	Grey
CAL.5	Black

Scale 1:1 size, dimensions in mm



*200-300 A and CAL.5: 8.2 mm

MEGAVAL®

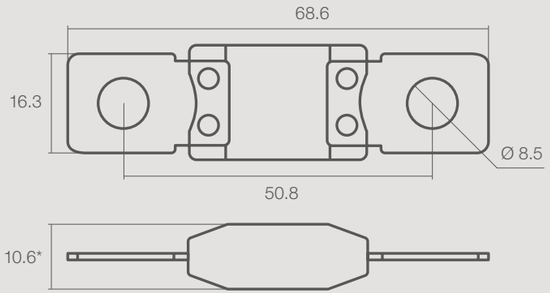
Tin plated zinc alloy

100 A	Yellow
125 A	Green
150 A	Orange
175 A	White
200 A	Blue
225 A	Light brown
250 A	Pink

Tin plated copper

100 A	Yellow
125 A	Green
150 A	Orange
175 A	White
200 A	Blue
225 A	Light brown
250 A	Pink
300 A	Grey
400 A	Violet
500 A	Brown

Scale 1:1 size, dimensions in mm
MegaVal and PowerVal



*MegaVal tin plated copper 100-175 A: 10.4 mm

POWERVAL®

PowerVal line has been developed by MTA R&D Department in order to safeguard loads as traditional starters and their feed systems both from electrical malfunction (overloading and/or short circuit) and mechanical problems (shaft stoppage and subsequent overcurrent).

The main characteristics of PowerVal are:

- Ohm value assessed and optimised to guarantee the lowest possible voltage drop on the line,
- high capacity to sustain heavy power surges,
- operating time curve to ensure efficient protection of the entire range of electrical malfunctions.

Shape and dimensions of PowerVal allow its interchangeability with MegaVal.

Tin plated zinc alloy

CAL.1	Grey
CAL.2	Black

Tin plated copper

CAL.3	Red
CAL .4	Brown
CAL.5	Wheat Grey

BOLT-DOWN FUSES 48 V

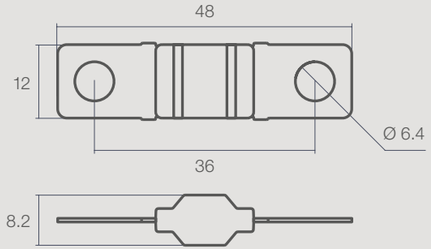
Clinched fuse
available

MIDIVAL®

Tin plated copper

100 A	White
125 A	White
150 A	White
175 A	White

Scale 1:1 size, dimensions in mm



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AUTOMOTIVE FUSES
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