

United in Wire

Alloy Development & Independence

Highest Quality & Individual Service



Development Partner & Maximum Safety of Supply

From the primary materials to the finished wire, we deliver everything from a single source. Our Spanish joint venture Esal Rod Alloys, S. A., which produces wire rod, not only allows us to directly influence the production and therefore the quality of our primary material, but also puts us in the unique position of being able to address customer requests independently and individually.

This results in maximum quality, capacity for action and safety of supply, which are particular advantages for our customers.

ELISENTAL

Customer focus

- with manufacturing and services that target the requirements of our customers and their markets
- maximum safety of supply thanks to our own primary materials source
- continuous process optimisations for best results
- personal contacts for trusting cooperation and short coordination processes

With a comprehensive product range

Aluminium wire:

- round, flat and profiled wire
- for mechanical processing: large coils, compact coils, coils on stands, production coils
- as special wire: plastic spools, metal spools, compact coils

Aluminium bars:

- for mechanical processing: in boxes or bundles up to 3 m length and 12 mm diameter

Aluminium welding wire:

- on mandrel-mounted, basket, basket ring or large spools, in drum or as bars with up to 1 m length

And a robust foundation for the future

- wire drawing plant since 1919
- 130 employees
- continuous development of the employees
- advancement options for junior staff
- comprehensive benefits package
- close, family-type work atmosphere
- strong values in an owner-managed family company



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ELISENTAL

United in Wire

Aluminium bars

The individual kind

- Machining process
- Precision-turned parts
- Bending and forming technology
- Customer-specific special solutions
- And much more



Lightweight and strong – for unlimited options and ideas of the future

Aluminium bars from Elisental are available in all common alloys, in a range of diameters from 3.00 to 12.00 mm and a length of max. 3 m. As diverse as the requirements of our customers worldwide are, so are our individual solutions to address these, with specially developed alloys. Our bars are drawn, straightened and, if necessary, chamfered.

The consistently high quality is confirmed regularly by independent bodies and is required by customers, e.g. in the automotive and aircraft industry, subject to strict monitoring.

Thanks to the varied application options of our aluminium bars, we are a reliable and competent development partner and supplier for a number of industries, and in particular for emerging industries such as electromobility and wind power – even in difficult times.



Aluminium bars



Range of diameters: 3.00 - 12.00 mm

Series 1000 – Pure-Al

1050A (Al99,5), 1070A (Al99,7), 1080A (Al99,8), 1090 (Al99,90), 1098* (Al99,98), 1199* (Al99,99), 1350A (Al99,5), 1370 (Al99,7)

Series 2000 – Al-Cu

2011 (AlCu6BiPb), 2014 (AlCu4SiMg), 2017A (AlCu4MgSi), 2024 (AlCu4Mg1), 2033 (AlCu2,5MnSiMgBi), 2117 (AlCu2,5Mg)

Series 3000 – Al-Mn

3103 (AlMn1)

Series 4000 – Al-Si

4043A (AlSi5), 4046 (AlSi10Mg), 4047A (AlSi12)

Series 5000 – Al-Mg

5005A (AlMg1), 5019 (AlMg5), 5052 (AlMg2,5), 5154A (AlMg3,5), 5183 (AlMg4,5Mn0,7), 5754 (AlMg3)

Series 6000 – Al-Mg-Si

6026 (AlMgSiBi), 6056 (AlSi1MgCuMn), 6060 (AlMgSi), 6061 (AlMg1SiCu), 6082 (AlSi1MgMn)

Series 7000 – Al-Zn-Mg

AA 7068* (AlZn7,5Mg2,5Cu2), 7075 (AlZn5,5MgCu)

* On request

¹ Unless otherwise specified

Notes:

- chemical composition of alloys according to DIN EN 573-3
- mechanical properties of alloys according to DIN EN 1301-2

Our bars are packed in boxes or bundled on request.

Box



max. length 3 m
max. Ø 12 mm



packaging units:
250 kg, 500 kg,
1000 kg
or more

In bundles



max. length 3 m
max. Ø 12 mm

Special lengths on request.

