

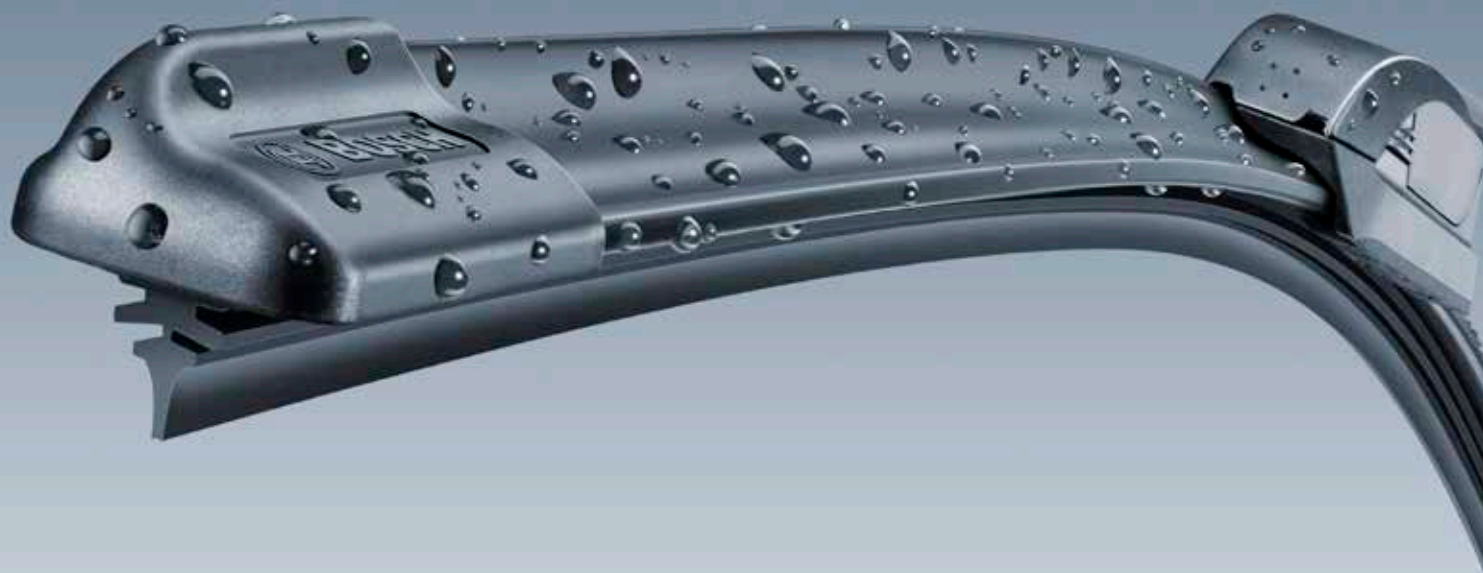
Distribution Solutions
WireSolutions



ArcelorMittal

ArcelorMittal Marnaval

Flat and shaped wire



From the world leader in steel and wire solutions

WireSolutions, a subsidiary of ArcelorMittal, is one of the world's largest wire drawers. Its flat and shaped wires are produced by ArcelorMittal Marnaval, located in Eastern France. Flat and shaped wires are principally used in construction and automotive: wiper arms, flat blades, window fasteners and other industrial applications such as open steel flooring and offshore cable armouring. More than 70% of the production is exported worldwide.

Thanks to its large experience in terms of R&D and technical knowhow ArcelorMittal Marnaval is your preferred partner for sustainable industrial solutions.

Flat and shaped wire

Product description

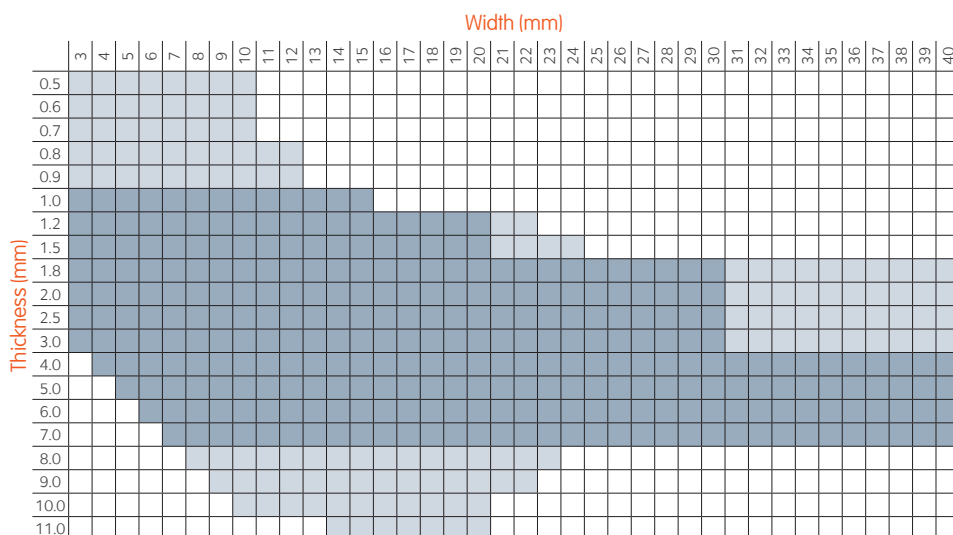
Advantages

- ▶ Innovative technology in terms of surface qualities and steel grades
- ▶ High level of quality and precise control of various properties: homogeneity, tensile, tolerances and surface finish
- ▶ The size range, variety of shapes and coatings (zinc, Corzal® ZnAl, copper) enable us to make products adapted to the specification of each user

Production range

- ▶ All our wires are produced according to EN 16120-1 to 4 or customer specification
- ▶ Specific characteristics can be offered; please contact us

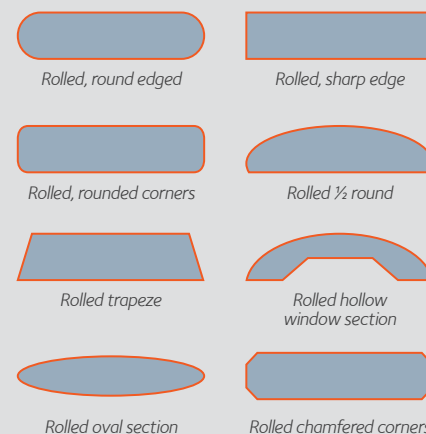
■ Standard ■ On request



Applications

- ▶ Construction
- ▶ Automotive
- ▶ Agriculture
- ▶ Electrical equipment
- ▶ Furniture and office equipment
- ▶ White goods
- ▶ Offshore industry
- ▶ Childcare

Available shapes



Mechanical characteristics

Mild steel (carbon ≤ 0.40 %)

▶ As rolled	> 600 Mpa
▶ Interannealed	400 to 650 Mpa
▶ Finally annealed	300 to 400 Mpa
▶ As rolled	200 Mpa tensile range
▶ Interannealed	100 Mpa tensile range

High carbon (carbon > 0.40 %)

- ▶ Spheroidize annealed allowing significant deformation
- ▶ Work hardening with tensile strength proportional to carbon content
- ▶ Interannealing is more suitable for increased deformation

Coating and surface finish

- ▶ Uncoated, normal quality
- ▶ Suitable for electrolytic coating
- ▶ Enamelling grade
- ▶ Galvanised, Corzal®
- ▶ Plastiflat, specific PET coating for flat blades

Tolerances

- ▶ Width ± 0.10 mm
- ▶ Thickness ± 0.025 mm
- ▶ Length ± 5.00 mm
- ▶ Please consult us for any additional information and specific requirement



Packaging

Description

- ▶ All our products are individually identified with labels referring to type, section, cast number, batch number, coil number and coil weight
- ▶ Our packaging includes delivery on pallets, protected with plastic wrapping, export paper wrap, oiled as required
- ▶ Specific packaging can be offered, please contact us

Standard packaging

Traverse wound coils

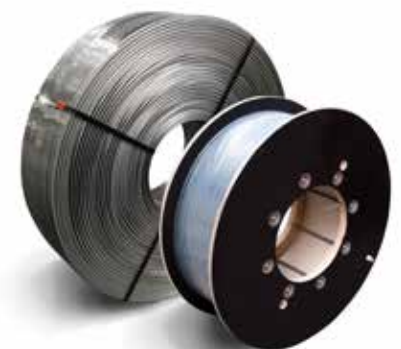
- ▶ Internal diameter 400, 480, 550, 600 and 650 mm
- ▶ Width 70 to 400 mm
- ▶ Outside diameter 650 to max 1,200 mm
- ▶ Weight 50 to 2,400 kg max
- ▶ These parameters can vary depending on the section

Cut to length

- ▶ Length 1 to 6.10 m, bundles 500 to 1,500 kg plastic wrapping, timber blocks or wooden case
- ▶ Length 0.10 to 1 m, box pallet or cardboard box 500 to 1,000 kg

Certificate

- ▶ We supply a test certificate which complies with EN 10204-3.1



ArcelorMittal Marnaval
Everyday, everywhere...
The best flat and shaped products for your applications

Contact us for further information:

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Company certified ISO 9001, ISO 14001 and OHSAS 18001

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