FIBROMETALS

Technical sheet

FibroMix®

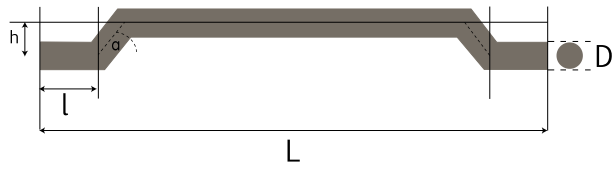
Hooked-end fibers

Description

Factory code

FMH 45/50 M12

fiber type | aspect ratio | lenght | material | tensile strenght



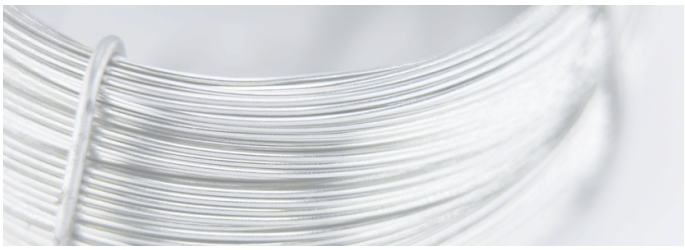
Fiber properties

Diameter (D)	Length (L)	Aspect ratio (L/D)
1.04 mm (±0.04)	**50** mm	**45**

Ending length (I)	Height (h)	Angle (a)
1-4 mm	**1.8** mm (±0.2)	**45** (±0.5)

Material properties

Bright Steel Wire



Tensile strength	1,200 MPa
Young modulus	200,000 MPa

Number of fibers (ref.1kg)≈3,000

Characteristics

- Material consumption according to tests: starting from 10 kg (final dosage depends on design)
- Used to replace or complement traditional reinforcements
- Unlimited life time in case of proper storage
- They improve the behavior under dynamic loads
- Reduce green house emissions

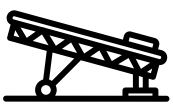
Fiber use

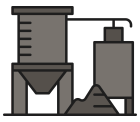
Applications

- highways
- external yards
- industrial floors
- slope stabilization
- tunnel lining
- water and oil tanks
- blast resistant structures
- foundations

Dosing & Mixing

- The Fibroveyor system is a trailer equipped with a automatic conveyor belt designed to feed metallic fibers directly into the concrete mixer.





- Introduce fibers with sand and aggregates
- Add fibres to fresh concrete
- Provide technical guidance on mixing and dosing equipment

About our fibres

Standards & Certifications

- SR EN 14889-1:2007
- ASTM A820 (Type 1)
- EPD-IES-0014412:003

CERTIFIED FACTORY EN ISO 9001:2019

CERTIFIED FACTORY EN ISO 14001:2019

CE 1301-CPR-2413

Packing & Storage

- Paper bags
- Big bag
- Cardboard boxes
- Pallets of 1,000-1,250 kg

Keep dry!

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