



# KRAMPE HAREX®

## KNOW WHY.

### Data Sheet | Fibres

Version 05/2019

## WIRE FIBRE HOOKED ENDS

- 1 Type of fibre
- 3 Length
- 5 Material Specification

# DE 50/1,00 M

- 2 Shape of fibre
- 4 Diameter



#### GEOMETRY

|                  |               |
|------------------|---------------|
| 1 Type of fibre  | wire fibre    |
| 2 Shape of fibre | hooked ends   |
| 3 Length (L)     | 50 mm ± 10%   |
| 4 Diameter (d)   | 1,00 mm ± 10% |
| Cross section    | round         |
| Ratio (L/d)      | 50            |

#### FIBRE NETWORK

|                    |                      |
|--------------------|----------------------|
| Quantity of fibres | 3.240 fibres/kg      |
| Minimum dosage     | 20 kg/m <sup>3</sup> |

#### MATERIAL PROPERTIES

|                           |                           |
|---------------------------|---------------------------|
| 5 Material specifications | Medium tensile strength   |
| Material                  | Steel                     |
| Material number           | 1.0416                    |
| Tensile strength          | 1.400 N/mm <sup>2</sup>   |
| Modulus of elasticity     | 210.000 N/mm <sup>2</sup> |

#### CERTIFICATIONS & SYSTEM APPROVALS

|                      |                                |
|----------------------|--------------------------------|
| Standards (DIN)      | EN 14889-1                     |
| Certifications (DIN) | EN ISO 9001:2015, EN ISO 50001 |



Subject to change without notice. All specifications are only a general description of our products. For detailed information please ask for our product leaflets.

#### INFO

Krampe Harex® Fibres are a cost effective solution to conventional reinforcement methods.:

- > Industrial floors
- > Tunneling applications
- > Precast concrete elements
- > Applications in residential buildings

In relation to our **Service+** offer, we determine the suitable type of fibre, the optimal dosage and the necessary concrete strength. Further information can be found on our website [krampeharex.com](http://krampeharex.com).

#### PACKAGING



Bags



Boxes\*



Big Bag

#### STORAGE



Keep Dry

\* Fibres are magnetically linearized.