



KRAMPE HAREX®

KNOW WHY.

Data Sheet | Fibres

Version 05/2019

WIRE FIBRE HOOKED ENDS

1 Type of fibre 3 Length 5 Material Specification

DE 45/1,0 N

2 Shape of fibre 4 Diameter



GEOMETRY

1 Type of fibre	wire fibre
2 Shape of fibre	hooked ends
3 Length (L)	45 mm ± 10%
4 Diameter (d)	1,0 mm ± 10%
Cross section	round
Ratio (L/d)	45

FIBRE NETWORK

Quantity of fibres	3.604 Fasern/kg
Minimum dosage	20 kg/m ³

MATERIAL PROPERTIES

5 Material specifications	Normal tensile strength
Material	Steel
Material number	1.0313
Tensile strength	1.100 N/mm ²
Modulus of elasticity	210.000 N/mm ²

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.

PACKAGING



Bags



Boxes*



Big Bag



Keep Dry

* Fibres are magnetically linearized.