

**KRAMPE HAREX®**

KNOW WHY.

Data Sheet | Fibres

Version 12/2021

WIRE FIBRE hooked ends

① Type of fibre ③ Length ⑤ Material Specification

D E 25 /0.40- 310

② Shape of fibre

④ Diameter



GEOMETRY

① Type of fibre	wire fibre
② Shape of fibre	hooked ends
③ Length	25 mm ± 10 %
④ Diameter	0.40 mm ± 10 %
Cross section	round
Ratio (L/d)	63

MATERIAL PROPERTIES

⑤ Material	stainless steel
Material number	1,4845
Tensile strength	1,700 N/mm ²
Modulus of elasticity	200,000 N/mm ²

CERTIFICATIONS & SYSTEM APPROVALS

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



GENERAL FIBER INFORMATION

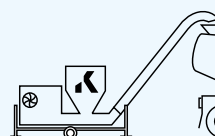
Quantity of fibres (ref. 1 kg) ~ 40,548

Total fiber length (ref. 1 kg) 1,013 m

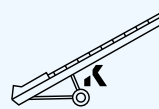
DOSAGE

Minimum dosage (CE) -

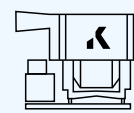
DOSING DEVICES



Fibre Blower



Conveyor belt



Automatic dosing system

SERVICE+

We give advice and recommendations on the right fibre, we help with the configuration and selection of a suitable dosing device.

You can also find more information at: krampeharex.com

Subject to change without notice. All specifications are only a general description of our products.

INFO

Application examples
 > Precast concrete elements
 > Sprayed concrete
 > UHPC

SAFETY



Protective glasses



Gloves

PACKAGING (Standard)



Bags
 20 kg Bag
 1200 kg Palett



Boxes*
 10/20 kg Box
 1200 kg Palett



Big Bag
 500 kg Big Bag
 1000 kg Palett

STORAGE



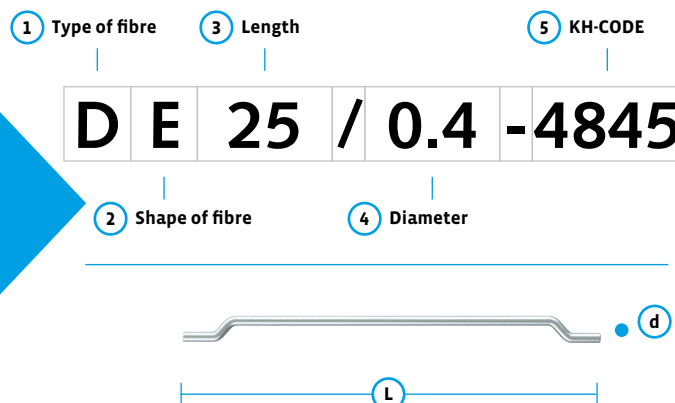
Keep Dry



Data Sheet | Fibres

Version 12/2021

WIRE FIBRE hooked ends



GEOMETRIE

1 Type of fibre	wire fibre
2 Shape of fibre	hooked ends
3 Length	25 mm ± 10 %
4 Diameter	0.40 mm ± 10 %
Cross section	round
Ratio (L/d)	63

FIBRE NETWORK

Quantity of fibres	40,540 fiber/kg
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MATERIAL NUMBER & KH-CODE

DIN	DIN EN 14889-1
AISI	E309
5 KH-Code	4828

CERTIFICATIONS & SYSTEM APPROVALS

Certifications (DIN)	EN ISO 9001:2015, EN ISO 50001
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MATERIAL PROPERTIES

Material	stainless steel
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TEMPERATURE CHARACTERISTICS

Periodic operation	1040 °C
Continuous operation	1150 °C
Melting temperature	1430°C

CHEMICAL ANALYSIS

Carbon C	0.20 %
Manganese Mn	2.0 %
Phosphor P	0.045 %
Sulphur S	0.015 %
Chrome Cr	24.0-26.0%
Nickel Ni	19.0-22.0 %
Aluminium Al	0
Silicon Si	1.50 %
Nitrogen N	0.11 %

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INFO

KrampeHarex® fibres are a cost effective solution:

- > Iron and steel industry
- > Petrochemical industry / Energy development
- > Cement and chalk industry
- > Waste incineration plants

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

STORAGE



Keep
Dry