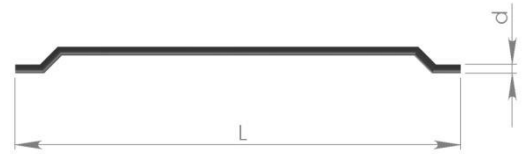


Technical data sheet

Steel fibers with hooked ends



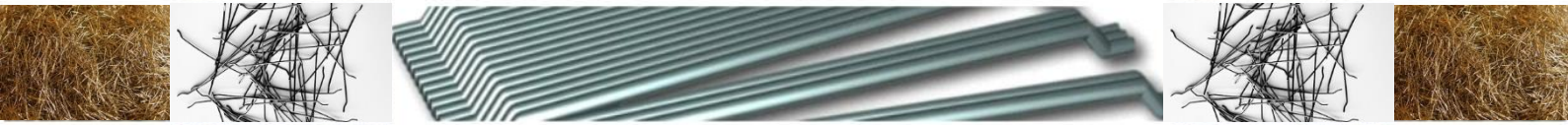
Steel fibers with hooked ends are filaments of steel wire for reinforcement of concrete and mortar. For manufacturing wire fibers are using wires of different diameters deformed and cut to lengths.

Steel fibers reinforcement is widely used as the main and unique reinforcing for industrial concrete floor slabs, shotcrete, prefabricated concrete products, slabs on piles, tunnel segments, concrete cellars, foundation slabs, and shear reinforcement in prestressed elements.

Steel fibers improve the mechanical properties concrete and materials such as ductility, durability, energy absorption, fatigue, and toughness. This fiber helps to controls plastic shrinkage cracking in concrete; helps reduce or eliminate need for conventional reinforcement.

Designation	Length (mm)	Diameter (mm)	Aspect ratio L/d	Cross section	Tensile strength of drawn wire
ZS/N 0.55 x 30	30 ± 5%	0.55 ± 5%	54	round	1100- 1400 N/mm ²
ZS/N 0.55 x 35	35 ± 5%	0.55 ± 5%	64	round	1100- 1400 N/mm ²
ZS/N 0.60 x 30	30 ± 5%	0.60 ± 5%	50	round	1100- 1400 N/mm ²
ZS/N 0.60 x 35	35 ± 5%	0.60 ± 5%	58	round	1100- 1400 N/mm ²
ZS/N 0.65 x 40	40 ± 5%	0.65 ± 5%	62	round	1100- 1400 N/mm ²
ZS/N 0.70 x 50	50 ± 5%	0.70 ± 5%	71	round	1100- 1400 N/mm ²
ZS/N 0.75 x 30	30 ± 5%	0.75 ± 5%	40	round	1100- 1400 N/mm ²
ZS/N 0.75 x 35	35 ± 5%	0.75 ± 5%	47	round	1100- 1400 N/mm ²
ZS/N 0.75 x 50	50 ± 5%	0.75 ± 5%	67	round	1100 - 1400 N/mm ²
ZS/N 0.75 x 60	60 ± 5%	0.75 ± 5%	80	round	1100- 1400 N/mm ²
ZS/N 0.80 x 50	50 ± 5%	0.8 ± 5%	62	round	1100- 1400 N/mm ²
ZS/N 0.80 x 60	60 ± 5%	0.8 ± 5%	75	round	1100- 1400 N/mm ²
ZS/N 0.90 x 35	35 ± 5%	0.90 ± 5%	39	round	1100- 1400 N/mm ²
ZS/N 0.90 x 38	38 ± 5%	0.90 ± 5%	42	round	1100- 1400 N/mm ²
ZS/N 0.90 x 50	50 ± 5%	0.9 ± 5%	55	round	1100- 1400 N/mm ²
ZS/N 0.90 x 60	60 ± 5%	0.9 ± 5%	67	round	1100- 1400 N/mm ²
ZS/N 1.05 x 35	35 ± 5%	1.05 ± 5%	33	round	1100- 1400 N/mm ²
ZS/N 1.05 x 50	50 ± 5%	1.05 ± 5%	48	round	1100 - 1400 N/mm ²
ZS/N 1.05 x 60	60 ± 5%	1.05 ± 5%	57	round	1100 - 1400 N/mm ²
ZS/N 1.20 x 50	50 ± 5%	1.20 ± 5%	42	round	1100 - 1400 N/mm ²
ZS/N 1.20 x 60	60 ± 5%	1.20 ± 5%	50	round	1100 - 1400 N/mm ²

**other lengths available per request*



DOSAGE

Recommended dosage of steel fiber is 25 kg per 1m³ of concrete for 0,5 CMOD.

PACKING

Steel fibers with hooked ends are available in paper sacks of 20 kg. Pallet weight 1000 kg or 2000 kg. Palettes are wrapped in PVC foil.

COMPLIANCE

Steel fibers conform to EN 14889-1:2006.
Product certificated by Tsus, certificate No. 1301 – CPR- 0662

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