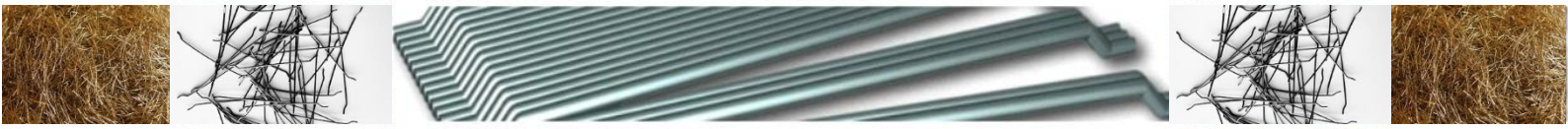

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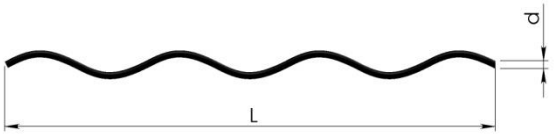
Technical data sheet

Corrugated steel fibers



Corrugated steel fibers 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
ZSW/N 0.75x30	30 ± 5%	0.75 ± 5%	40	round	1100-1400 N/mm^2
ZSW/N 1.00x40	40 ± 5%	1.00± 5%	40	round	1100-1400 N/mm^2
ZSW/N 1.00x50	50 ± 5%	1.00± 5%	50	round	1100-1400 N/mm^2
ZSW/N 1.05x60	60 ± 5%	1.05 ± 5%	57	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.

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PACKING AND STORAGE

Corrugated steel fibers are available in paper sacks of 20 kg. Pallet weight 2000 kg. Palettes are wrapped in PVC foil. Do not stack pallets on top of each other.

Steel fibers conforming to EN 14889-1:2006, according by TSUS 1301 – CPR - 0662

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