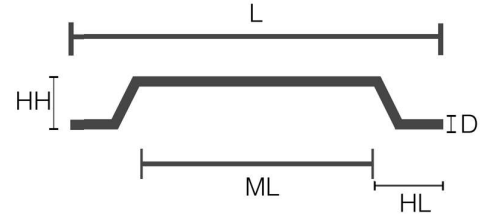


Product Data

Fiber Length (L)	50 mm (±3mm)
Diameter (D)	1 mm (±0.05mm)
Aspect ratio (L/D)	50
Middle Length (ML)	40 mm (±3mm)
Height of hook (HH)	2.5 mm (±0.4mm)
Length of hook (HL)	5mm ±1mm



Technical Data

Density	7870 kg/m³
Ignition Point	1480°C
Tensile strength	1100 N/mm² (± 10%)

Element	Value
Silicon (SI)	1.25 PPM
Manganese (MN)	.22 PPM
Phosphorus (P)	.04 PPM
Sulfur (S)	.05 PPM
Carbon (C)	.01 PPM

Raw Material

low carbon drawn wire conforming to AISI 1010

Application

- According to ACI, recommended dosage rate is 10 kg to 36 kg per cubic meter of concrete.

Dosage

Method of statement

- Add the steel fiber reinforcement in the mixer or the control concrete mixer and thoroughly mix concrete.
- Mix of steel fiber reinforcement in concrete mixer for a minimum of 5 minutes at maximum mixing speed.
- Make sure that the slump test not less than 20mm.
- No need to redesign the mix design.
- No need to add water and comply with the mix design.
- No specialized labor is needed.
- Make sure to distribute fiber in a uniform way in the mixer.



Packing

- Stand and packing in 20 kg or 25 kg.

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Concrete Reinforcing Steel Fiber

Technical Data Sheet

GTS

End - Hooked Steel Fiber 1/50



Product Description

GTS End - Hooked steel fiber is a reinforcement material, That are made of cold drawn steel wire and then shaped as desired to improve concrete mechanical properties, The uniform distribution of steel fibers throughout the concrete mix transforms concrete into a more ductile composite material that increases the energy absorption capability, longterm durability, and overall performance of the slab additionally, it provides exceptional control of long-term drying shrinkage cracking and load Of stability at the floor joints.

Where to use? **GTS End- Hooked steel fiber**

GTS End- Hooked steel fiber are used in the following applications:-

- Industrial slab on grade.
- Screed slab.
- Airport runways and taxi ways, and pavements.
- Tunnel, linings and slope stabilizations.
- Concrete roads, parking areas.
- Bridge decks, overlays and pavements.
- Shotcrete.
- Factory floors, high impact and forklift truck areas.
- Precast concret applications and slabs on pile.
- Under ground construction.
- Mass concrete and composite deck construction.
- Live stock areas.
- Military purposes.
- Landing strips, quays.



Why? **GTS End - Hooked Stell Fiber 1/50**

- Provide ductlity and high load bearing capacity.
- Provide exceptional control of long - term drying shrinkage cracking and load stability at the floor joints.
- Time saving and less labour.
- Increase abrasion, fatigue resistance.
- Enhance concrete and shotcrete in its hardened state.
- Better cohesion in the fresh concrete.
- Increase flexural strength and shear resistance.
- Enhance first crack strenght.
- Enhance compressive strenght.
- Enhance impact strenght.
- Enhance thoughness.



Standards **GTS End - Hooked Steel Fiber**

Is manufactured according to AISI 1008-1010 Standards, ASTM A820