

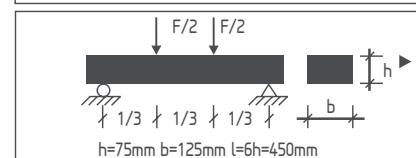
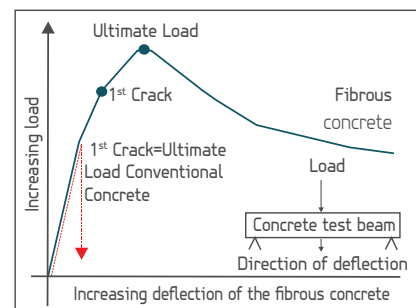
# Steel fibers

## INOMIX®

### FIBER FUNCTION IN THE CONCRETE

Steel fibers are part of the SD Integrated concrete reinforcing system. They are produced in a wide range of dimensions and cover all the possible applications of the market (shotcrete for tunnels, slabs on grade, industrial floors).

The fibers act on grain size of the concrete, add workability and provide three dimensional reinforcement. The fiber's presence increases the total absorption of mechanical energy and provides the continuous and smooth deformation of the concrete.



**TYPE**

Straight  
hooked-end  
fibers  
Undulated  
fibers

**MATERIAL**

Cold drawn steel  
wire of high  
strength min  
1100 MPa

**FORM  
DIAMETER**

Length  
20-60mm  
Diameter  
0,75-1,00mm

**PACKING  
WEIGHT**

Paper bags of 20-30kg  
on pallets of approx. 1tn  
Bigs Bags of approx. 1tn

**STANDARDS AND QUALITY  
CERTIFICATIONS**

ASTM A820 TYPE 1  
EN 10016



## Characteristics of fiber reinforced concrete

- ▶ Increased bending strength
- ▶ Crack control
- ▶ Increased impact strength
- ▶ Improved resistance in high temperatures
- ▶ Improved resistance to splitting and shattering
- ▶ Improved toughness
- ▶ Improved compression strength after the first crack
- ▶ Low maintenance cost and prolonged construction usage