

**BILSTEIN STEEL FIBER GmbH**  
 Im Weinhof 36  
 58119 Hagen

 T +49 2334 82-0  
 stabils@bilstein-steelfiber.de  
 www.bilstein-steelfiber.de

## Technical Data Sheet

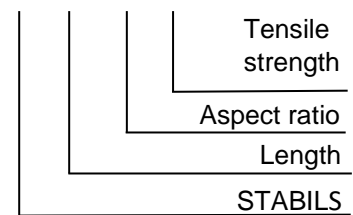
### SB 35/55 - 2000



With the high-strength, straight steel fiber, the pull-out resistance is achieved by means of positive locking between the steel fiber and the concrete. This means that the force transmission in the crack is less dependent on the pull-out distance than with conventional steel fibers with frictional locking.

The specifically produced anchor nodes can be varied in number, shape, size and position according to the field of application. There are also advantages in terms of fiber distribution and fresh concrete workability, which allow a higher maximum content of steel fibers.

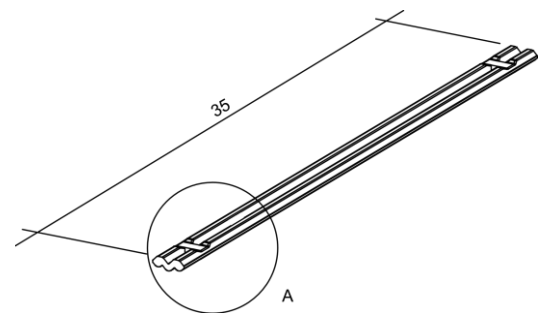
#### Fiber designation

**SB 35/55 - 2000**


### Geometry and material properties

|                                    |                      |
|------------------------------------|----------------------|
| Fiber length (L)                   | 35,0 mm (+/- 5 %)    |
| Equivalent diameter (d)            | 0,65 mm (+/- 5 %)    |
| Aspect ratio (L/d)                 | 55 (+/- 7,5 %)       |
| Tensile strength (R <sub>m</sub> ) | 2.000 MPa            |
| Young`s modulus (E)                | 210.000 MPa          |
| Material number                    | 1.1211               |
| Number of anchor knots             | 2                    |
| Number of steel fibers per kg      | approx. 8.200 pieces |
| Minimum dosage DIN EN 14889-1      | 15 kg/m <sup>3</sup> |

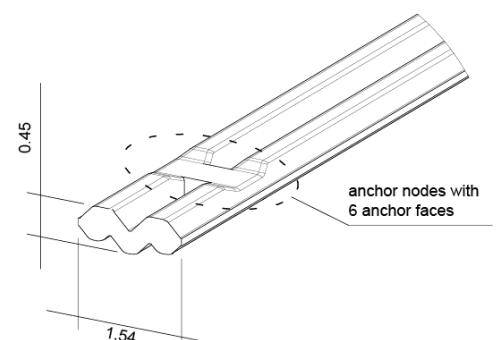
#### SB 35/55 - 2000



### Packaging

|                                   |                |
|-----------------------------------|----------------|
| Environmentally friendly cartons  |                |
| Filling weight /box               | 20 kg          |
| Cartons/pallet                    | 30 pieces      |
| Weight/pallet                     | 600 kg         |
| Delivery also possible as big bag | approx. 600 kg |

#### SB 35/55 - 2000 detail view



### Product certification

CE certification is in preparation (expected Q1/2025)

The steel fibers described are compliant with the following standards:

EN 14889-1 Group 2 (steel fibers from strip steel)