

# Rod material

## Material composition depending on application

MATERIAL	Hardened	Weldable	Available Diameters													
			5	6	7	8	9	10	11	12	13	14	15			
Spring Steel	No	No														
55Si7	Yes, 100% of the rod is heat treated	No														
54SiCr	Partly, only between forged area's	No														
Boron Steel	Yes, 100% of the rod is heat treated	Yes														
Fiber Glass	No	No														
Fiber Glass Coated	No	No														
Stainless Steel	No	Yes														

### Spring Steel:

Class C (DIN 17228). This is our standard rod material.

### 55Si7:

Heavy Duty material. 100% hardened. The entire rod is heat treated, because we forge the rod first, and then we heat treat it. There is no weak spot in the complete rod.

### 54SiCr:

Rods are made of hardened material, but after the forging process (where the traction belts eventually will be) the rod loses its strength. 54SiCr6 steel is harder and tougher than spring steel class C. Furthermore it has all the properties of regular spring steel.

### Boron Steel:

Weldable steel. Square mesh web material. After the rods have been made, the entire rod goes through the hardenings process.

### Fiber Glass:

Lightweight material.

### Fiber Glass Coated:

Lightweight material with a protection layer.

### Stainless Steel:

Stainless Steel material is often used in wet / humid environments.