Rod material

Material composition depending on application

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