



Spoke wire is used for manufacture of spokes for bicycles, motorcycles and car wheels.

PROPERTIES

In order to attain the best possible product properties it is important to maintain control over a number of critical parameters. Bright surfaces free of defects, adapted steel grade/composition, correct mechanical properties and tight size tolerances are some of the parameters to be taken into consideration in order to obtain optimum fatigue properties in the finished wire.

Spoke wire is produced in a drawing process developed by Fagersta Stainless which is comprised of bright drawing in oil, degreasing and polishing. Flexible collection equipment facilitates delivery in a wide range of delivery forms.

MATERIALS

The spoke wire (type 302) is produced with composition and mechanical strengths adapted to obtain optimum cold working (heading, bending and threading), mechanical and fatigue properties both for spoke manufacture and in the finished spoke.

MECHANICAL PROPERTIES/ SIZES

Steel	Diam (mm)	Rm (N/mm ²)	Tol (N/mm ²)
T 302	1.80-3.00	900-1250	+/- 50
T 302	3.01-5.00	900-1200	+/- 80
T 302	5.01-7.00	800-1100	+/- 80

Bend test/torsion test carried out in accord with DIN 51211 and 51212

PRODUCT FINISH AND DELIVERY FORMS

Surface	Size range (mm)	Size tol ISO	ID/OD (mm)	Coil* (kg)	Tube carrier* (kg)	Tube carrier* Type	Comm **
Bright	1,50-3,99	h9	475/750	500-1000	500-1000	HD 1000	**
	4,00-4,99	h9	475/750	300-500	300-500	HD 1000	
	4,00-8,00	h9	600/850	500-1000	250-350		Compact coil
	7,00-10,00	h9	900/1300	500-1000	500-1000	XL 650	

* See also datasheet Delivery Forms

** Can also be supplied on spool 17