7 Buccleuch Avenue,
Craighall Park,
Johannesburg, 2196,
South Africa

+ 27 11 447 8562
sales@nockers.co.za
www.nockers.co.za

NOCKERS
ENGINEERING PRODUCTS

STAINLESS STEEL SPRING WIRE TO EN 10270-3: 2001

Tensile Strength in the Drawn Condition

Steel Grade	Tensile Strength (MPa)		
	1.4310 (AISI 302)		1.4401 (AISI 316)
Nominal Diameter (mm)	Normal Tensile Strength (NS)-min	High Tensile Strength (HS)-min	Min.
$d \leq 0{,}20$	2200	2350	1725
$0{,}20 < d \leq 0{,}30$	2150	2300	1700
$0{,}30 < d \leq 0{,}40$	2100	2250	1675
$0{,}40 < d \leq 0{,}50$	2050	2200	1650
$0{,}50 < d \leq 0{,}65$	2000	2150	1625
$0{,}65 < d \leq 0{,}80$	1950	2100	1600
$0{,}80 < d \leq 1{,}00$	1900	2050	1575
$1{,}00 < d \leq 1{,}25$	1850	2000	1550
$1{,}25 < d \leq 1{,}50$	1800	1950	1500
$1{,}50 < d \leq 1{,}75$	1750	1900	1450
$1{,}75 < d \leq 2{,}00$	1700	1850	1400
$2{,}00 < d \leq 2{,}50$	1650	1750	1350
$2{,}50 < d \leq 3{,}00$	1600	1700	1300
$3{,}00 < d \leq 3{,}50$	1550	1650	1250
$3{,}50 < d \leq 4{,}25$	1500	1600	1225
$4{,}25 < d \leq 5{,}00$	1450	1550	1200
$5.00 < d \leq 6.00$	1400	1500	1150
$6{,}00 < d \leq 7{,}00$	1350	1450	1125
$7{,}00 < d \leq 8{,}50$	1300	1400	1075
$8{,}50 < d \leq 10.00$	1250	1350	1050

The maximum tensile strength shall be the min. value plus 15% of the minimum value.

The range of tensile strength values within a production batch of the same heat shall be the maximum 9% of the minimum values in this table.