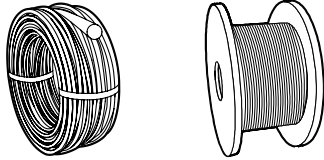


# Zapp Rig 80 Stainless Rig Rod Datasheet

## Stainless Wire



Zapp is certified to ISO 9001



### High-Performance Wire Materials

Zapp's program for stainless steel rig rod for rigging on sailing boats and yachts that meets the high demands on tensile strength, toughness and corrosion resistance in marine environments. Zapp Rig 80 stainless rig rod is also used for a range of applications within the architectural area and building construction.

### Stainless Rig Rod in Coils

Zapp Rig 80 stainless steel rig rod in coils is available in size range 4–17.9 mm (0.157–0.70 in.). It is delivered in coils of 150-250 kg (330-550 lbs), depending on size.

### Stainless Rig Rod as Bar

Zapp Rig 80 stainless steel rig rod can be delivered as bar in straight lengths in size range 16.8–50.8 mm (0.63–2.0 in.). It can be supplied in the unpolished or fully polished condition.

Zapp Rig 80 rig rod can be supplied from stock for immediate repair and service type installations, but can also be made to order for specific projects such as new yacht builds and scheduled refurbishment work. Contact us for stock list.

Zapp Rig 80 (UNS S31675) stainless steel rig rod is comparable to grade Nitronic\* 50.

### Chemical Composition (Nominal), %

C max.	Si	Mn	P max.	S max.	Cr	Ni	Mo	N	Nb
0.005	0.5	4.0	0.020	0.015	20.5	10	2.4	0.4	0.3

## Sizes and Properties for Zapp Rig 80 Rig Rod

Diameter, mm (in.)	Form of supply	Weight, kg/m	Breaking load min (lbf)
4.50 (0.17)	Coil	0.12	4,955
5.50 (0.20)	Coil	0.16	6,399
5.70 (0.22)	Coil	0.20	8,316
6.40 (0.25)	Coil	0.25	10,484
7.10 (0.28)	Coil	0.31	12,903
7.50 (0.30)	Coil	0.35	14,398
8.40 (0.33)	Coil	0.44	18,061
9.50 (0.37)	Coil	0.57	23,101
11.10 (0.44)	Coil	0.77	30,450
12.70 (0.45)	Coil	1.00	39,861
14.30 (0.56)	Coil	1.28	48,733
16.80 (0.66)	Coil	1.77	62,297
16.80 (0.66)	Bar	1.77	62,000
17.90 (0.71)	Coil	1.98	76,358
17.90 (0.71)	Bar	1.98	76,000
19.50 (0.77)	Bar	2.35	91,000
22.20 (0.87)	Bar	3.05	115,000
25.40 (1.00)	Bar	3.99	150,000
27.10 (1.07)	Bar	4.54	170,000
28.60 (1.13)	Bar	5.06	195,000
30.30 (1.19)	Bar	5.67	220,000
33.40 (1.31)	Bar	6.90	260,000
38.10 (1.50)	Bar	8.97	320,000
41.28 (1.63)	Bar	10.53	360,000
44.45 (1.75)	Bar	12.21	430,000
50.80 (2.00)	Bar	15.95	540,000

\* Nitronic is a registered trademark owned by AK Steel Corporation, US

### Zapp Precision Metals (Sweden) AB

PRECISION WIRE

Järnverksleden 18

81 134 Sandviken

Sweden

Phone +46 26 191800

[precisionmetals-sweden@zapp.com](mailto:precisionmetals-sweden@zapp.com)

[www.zapp.com](http://www.zapp.com)

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