

# Precision Wire – Seal Wire Specification for Turbines



Zapp is certified to ISO 9001



## Typical applications

- Combined cycle plants
- Waste-to-energy plants
- Solar powered plants
- District heating plants
- Industrial power plants (e.g)

## Thickness Tolerances:

## Bright Tolerances:

## Finish:

- Drawn
- Drawn; bright
- Drawn annealed

## Norms:

Primary DIN EN 10088 – 3  
Standards of ASTM

## Recommended grades

- Grade 1.4303 X5CrNi18-12 Type 305 (L)
- Grade 1.4961 X8 CrNiNb 16 13 Type 347H
- Grade 1.4006 X10Cr13/ X12Cr13 Type 410
- Grade 1.4301 X5CrNi18-5 Type Aisi 404
- Grade 1.4113 X6CrMo17-1 Type 434
- Grade 1.4016 X6Cr17 Type 430

## Sizes

- .0197" x .0197" (0.5 mm x 0.5 mm)
  - .0394" x .0394" (1.00 mm x 1.00 mm)
  - .0472" x .0472" (1.20 mm x 1.20 mm)
  - .0551" x .0551" (1.40 mm x 1.40 mm)
  - .0551" x .0670" (1.40 mm x 1.70 mm)
  - .0472" x .0531" (1.20 mm x 1.35 mm)
  - .0630" x .0866" (1.60 mm x 2.20 mm)
  - .0788" x .0984" (2.00 mm x 2.50 mm)
  - .0788" x .1181" (2.00 mm x 3.00 mm)
  - .0885" x .0788" (2.25 mm x 2.00 mm)
  - .1023" x .1023" (2.60 mm x 2.60 mm)
  - .1181" x .2362" (3.00 mm x 6.00 mm)
  - .3150" x .0394" (8.00 mm x 1.00 mm)
- (other sizes on request)

## Productform

- (Square or rectangle) other forms as requested
- On coils or spools
- Also as straightened bars (3,000 +/- 100 mm )in wooden boxes possible.

## Packaging

- 500 pound – 1,000 pound on returnable and non returnable coils and spools
- 700 pound – 1,500 pound on returnable and non returnable wooden boxes

## Chemical composition

Chemical composition										
Alloy	Grade	C	Mn	Cr	Ni	Mo	Cu	N	Co	Ti
347H	1.4961	0.08	2.0	16.0-18.0	10.0-14.0	2.0-3.0	-	-	-	-
305(L)	1.4303	0.06	4.0-6.0	20.5-23.5	11.5-13.5	1.5-3.0	-	0.20-0.40	-	-
404	1.4301	0.02	2.0	19.0-21.0	24.0-26.0	6.0-7.0	0.5-1.5	0.15-0.25	-	-
434	1.4113	0.02	3.0	20.5-23.0	26.0-28.0	6.6-8.0	0.5-1.5	0.30-0.40	-	-
430	1.4016	0.02	0.1	19.0-21.0	33.0-37.0	9.0-10.5	-	-	bal.	1.0

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