

**ONEREEL®**

### **Semiconductor Anodized Wire Bobbin**

ONEREEL® is the top Semiconductor Anodized Wire Bobbin manufacturer and supplier in China. With the support of efficient R&D team, perfect management system and quality control, ONEREEL has a good production capacity of various aluminum spools for bonding wires. ONEREEL has more than 50 sets of advanced equipment such as precision CNC machine tools, punching machines, laser engraving machines, anodizing equipment, etc., to ensure the production of highly precise, excellent quality and higher quality products.

ONEREEL has passed ISO9001 certification and established a complete quality control system. Product quality is rigorously tested to ensure all spools meet customer requirements. Meanwhile, we can provide customers with highly competitive prices and quality.

### **Product Description**

This Semiconductor Anodized Wire Bobbin is a high-quality product.

ONEREEL® Semiconductor Anodized Wire Bobbin can be designed and manufactured according to the size required by customers. The mold is integrally formed. The material is aluminum alloy. The surface can be anodized. Various colors and hard oxidation can be done according to customer requirements. ONEREEL has a number of patented anodic oxidation technologies and applies them to external processing. ONEREEL provides high-quality hard anodic oxidation external processing services.

### **ONEREEL® Semiconductor Anodized Wire Bobbin Parameter (Specification)**

Diameter		Elongation (%)	Minimum Break Load (g)		Temper Condition
Inches	Microns		Type B1	Type B2	
0.0005	12.5	0.5 - 1.5	5	N/A	HARD
		2.0 - 5.0	2	N/A	ANNEALED
0.0007	18	0.5 - 2.0	9.5	8	HARD
		1.0 - 3.0	5	4	STRESS RELIEVED
		3.0 - 5.0	3	2.5	ANNEALED
0.0008	20	0.5 - 2.0	12.5	10	HARD
		1.0 - 3.0	6	5	STRESS RELIEVED
		4.0 - 6.0	4	3	ANNEALED
0.001	25	0.5 - 2.5	21	20	HARD
		1.0 - 3.0	11	10	STRESS RELIEVED
		4.0 - 6.0	8	7	ANNEALED
0.0013	33	0.5 - 2.5	33	30	HARD
		1.0 - 3.0	17	15	STRESS RELIEVED
		5.0 - 7.0	12	10	ANNEALED
0.0015	38	0.8 - 3.0	45	40	HARD
		1.0 - 3.0	24	20	STRESS RELIEVED
		6.0 - 8.0	18	16	ANNEALED
0.002	50	1.0 - 3.0	75	70	HARD
		1.0 - 3.5	45	40	STRESS RELIEVED
		2.0 - 8.0	30	25	ANNEALED

### ONEREEL Semiconductor Anodized Wire Bobbin Feature and Application

Note 1: Uniform distribution of Si and stable mechanical property. Annealed. Heat treated. Stress relieved (SR type).

Note 2: ONEREEL has good corrosion resistance under PCT (Pressure Cooker Test) with high humidity and temperature.

Note 3: ONEREEL applications include Wedge to Wedge bonding.

Note 4: ONEREEL (with ~50ppm Nickel doping) has replaced old Type TABW (without nickel doping).

Note 5: Old Type TABW (without nickel doping) is not recommended for pressure cooker test with high humidity at 260°C.

### ONEREEL Semiconductor Anodized Wire Bobbin Details

ONEREEL Semiconductor Anodized Wire Bobbin is widely used in the manufacturing of microelectronic devices as an electrical interconnect, either between a chip and substrate or between two chips. The materials described below are of the highest quality, refined and alloyed by SPM to produce the demanding properties of finished wire and Semiconductor Anodized Wire Bobbin products.

**ONEREEL®**

[www.cable-spool.com](http://www.cable-spool.com)

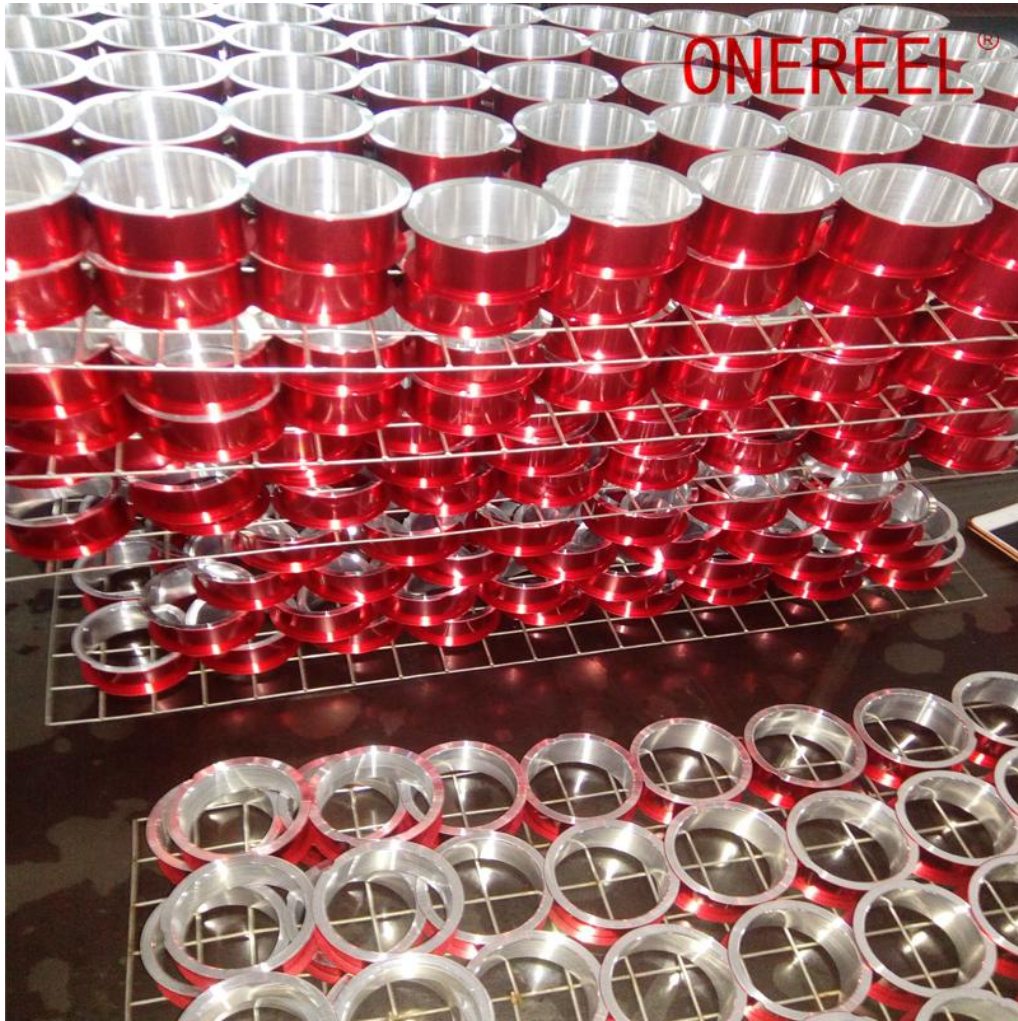
**ONEREEL®**



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**FAQ**

What is your products standardization?

our products strictly comply with ISO9001 and CE standards

Can you can design the spool according to our size?

Yes, we have a professional team of engineers who can complete the manufacture of the spool you provid

How many years have your company made this kind of spool?

we have been making spools for ten years

Are you a trading company or a manufacturer?

we are a manufacturer of spool technology and design

How long is your delivery time?

we will deliver the order as soon as we receive it

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