



We Deliver Precision®

ULBRICH.COM

ULBRICH SPECIALTY WIRE PRODUCTS

692 Plant Road, Westminster, SC 29693

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# Flat & Round Medical Braid, Coil, & Other Wire

## Base Material

| Primary                    |
|----------------------------|
| 304V<br>Stainless<br>Steel |

## Custom Alloys

|          |          |           |
|----------|----------|-----------|
| 304L     | 304LV    | 316LVM    |
| Nitinol  | MP35N    | L605      |
| Tungsten | Platinum | Composite |

## Aspect Ratio

### Minimum Thickness

1.5:1 @ 0.0010"

### Maximum Thickness

20:1 @ 0.0025"

## Dimensions & Size Tolerances (Standard tolerances - please ask for your custom requirement)

### FLAT WIRE

| Thickness<br>Width | Nominal Value |         | Tolerance   |             |
|--------------------|---------------|---------|-------------|-------------|
|                    | Minimum       | Maximum | Minimum     | Maximum     |
|                    | 0.0002"       | 0.015"  | +/- 0.0001" | +/- 0.0006" |
|                    | 0.0015"       | 0.080"  | +/- 0.0002" | +/- 0.0020" |

### ROUND WIRE

| Diameter | Nominal Value |         | Tolerance          |              |
|----------|---------------|---------|--------------------|--------------|
|          | Minimum       | Maximum | 0.0030" and under  | +/- 0.00005" |
|          | 0.0004"       | 0.040"  | 0.0031" to 0.0050" | +/- 0.00007" |
|          |               |         | 0.0051" to 0.010"  | +/- 0.0001"  |
|          |               |         | 0.010" and above   | +/- 1%       |

# ULBRICH SPECIALTY WIRE PRODUCTS FLAT & ROUND WIRE CAPABILITY SHEET



## Temper (304V)

## Tensile Range

|                |                                                 |
|----------------|-------------------------------------------------|
| Spring Temper  | 300,000 [psi] Min                               |
| 3/4 Hard       | 250,000 [psi] - 300,000 [psi]                   |
| 1/2 Hard       | 200,000 [psi] - 250,000 [psi]                   |
| 1/4 Hard       | 150,000 [psi] - 200,000 [psi]                   |
| Annealed       | 100,000 [psi] - 150,000 [psi]                   |
| Custom Tempers | Available on request - as high as 460,000 [psi] |

## Packaging *(Our machinery can adapt to most custom spools upon request)*

### Spool Type

### Dimensions

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| 30mm Steeger      | 1.57" flange x 1.40" width x 1.18" barrel x 0.42" bore  |
| 26mm Steeger      | 1.69" flange x 1.40" width x 1.02" barrel x 0.42" bore  |
| 15mm Steeger      | 1.57" flange x 1.40" width x 0.59" barrel x 0.42" bore  |
| Wardwell          | 2.60" flange x 3.25" width x 0.74" barrel x 0.657" bore |
| DIN 100           | 3.94" flange x 2.52" width x 2.48" barrel x 0.63" bore  |
| DIN 125           | 4.92" flange x 4.92" width x 3.15" barrel x 0.63" bore  |
| Bulk Spools       | Various                                                 |
| Customer Supplied | Upon Request                                            |

All information provided is based on our current standard knowledge and does not claim to be exhaustive. This information may not be passed on to third parties without approval by Ulbrich Specialty Wire Products.  
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