

Round and Flat Braiding Wire

General Information

Kuang-Tai braiding wires are developed by our advanced engineering team. Braiding wires are commonly used to enhance the durability and strength of non-metal tubes. It also improves the wear-resistance of tubes for heavy duty environment. For medical industry, braiding tubes are often used to improve the torque response, kink resistance, steering and push-ability which are critical performance factors of endoscopes, catheters or various kinds of medical tubes. We are capable of providing round wires and flat wires for braiding applications. Sizes and mechanical properties can be made to customer's request.

Dimensions – Round and Flat Wires

W/T ratio: 2:1 to 6:1

Thickness: 0.0005" - 0.0100"
 Thickness & Width Tolerance:
 +/- 0.0001mm & 0.00014" MIN.



Thickness: 0.013mm - 0.254mm
 Thickness & Width Tolerance:
 +/- 0.0025mm & +/- 0.0030mm MIN.



Diameter: 0.0012" to 0.024",
 Tolerance: +/- 0.0001"

Diameter: 0.03mm to 0.60mm,
 Tolerance: +/- 0.0020mm MIN.

Materials

- ◆ **Available grades:** stainless steel **304/304V, 302/302V, 316/316LVM**
 (Chemical composition conforms to ASTM A313 unless otherwise designated)

◆ Mechanical Properties

TEMPER (304V)	TENSILE RANGE
SPRING TEMPER	300K PSI - 355K PSI
3/4 HARD	250K PSI - 300K PSI
1/2 HARD	200K PSI - 250K PSI
1/4 HARD	150K PSI - 200K PSI
ANNEALED	100K PSI - 150K PSI
CUSTOM TEMPER	PER REQUEST

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Always Ready for Your Development

In today's competition, speed is the key to success. Shorter development cycle brings the benefit of being in the market faster than others. Therefore we prepared a stock list of various sized wires of common medical grade alloys that can be delivered promptly to meet your development needs. Please contact us for potential time saving packages.

Standard Stock Sizes

MATERIAL	SIZE	TENSILE STRENGTH	PACKAGE
304V	0.0005" x 0.0025"	300-355K PSI	Steeger/30mm
304V	0.0005" X 0.003"	300-355K PSI	Steeger/30mm
304V	0.0007" X 0.003"	> 300 KPSI	Steeger/30mm
304V	0.001" X 0.003"	150 - 200K PSI	Steeger/30mm
304V	0.001" X 0.003"	200-250K PSI	Steeger/30mm
304V	0.001" X 0.003"	300-355K PSI	Steeger/30mm
304V	0.001" X 0.005"	150-200K PSI	Steeger/30mm
304V	0.001" X 0.005"	200-250K PSI	Steeger/30mm
304V	0.001" X 0.005"	> 300 KPSI	Steeger/30mm
304V	0.002" X 0.005"	> 300 KPSI	Steeger/30mm
304V	0.002" X 0.006"	> 300 KPSI	Steeger/30mm

* Other bobbin types are available upon request

Notes:

Please send in your inquiries to:
medsales@kuangtai.com

<http://www.kuangtai.com>

KUANGTAI METAL INDUSTRIAL Co., Ltd.

No. 8 Luke 3rd Rd., Luchu Dist.,
 Kaohsiung 82151,
 Taiwan