



Flat & Round Braiding Wire

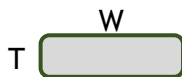
General Information

Braiding wires are commonly used to enhance the durability and strength of non-metal tubes. It also improves the wear-resistance of tubes against 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.

Kuangtai Metal produces round and flat wires to the highest precision, fulfilling the most sophisticated braiding jobs in the medical device industry. Sizes and mechanical properties of the wire can also be made to request.

Dimensions

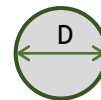
FLAT WIRE



W/T ratio 2:1 to 6:1

Thickness range:	0.0005" - 0.0100" (0.013mm - 0.254mm)
Thickness tolerance:	+/- 0.00005" Min. (0.0013mm)
Width tolerance:	+/- 0.00007" Min. (0.0018mm)

ROUND WIRE



Diameter range:	0.0012" to 0.024" (0.03mm to 0.60mm)
Tolerance:	+/- 0.0001" Min. (+/- 0.0020mm)

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	300 - 355 ksi
3/4 HARD	250 - 300 ksi
1/2 HARD	200 - 250 ksi
1/4 HARD	150 - 200 ksi
ANNEALED	100 - 150 ksi
Custom tempers	Per request

T-FLY™

Flat & Round Braiding Wire

Always Ready for Your Development Projects

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 prepare a stock list of various sized wires of common medical grade alloys that can be delivered promptly to meet your development needs.



STANDARD STOCK SIZES

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

* Other bobbin types are available upon request.

* Please contact us for more information about the "Ready-Pack" selections.

<http://www.kuangtai.com>

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