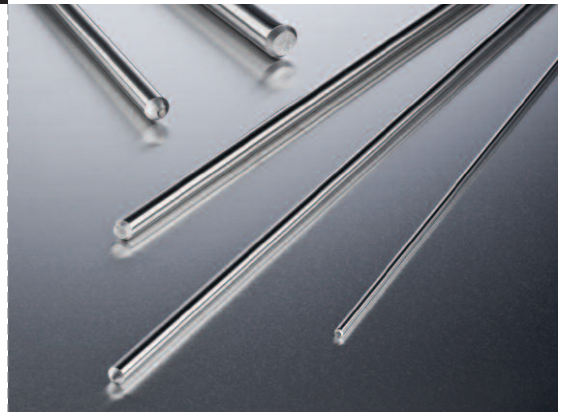


# Titanium ULTRABAR® Precision Bar



Dynamet's small-diameter titanium ULTRABAR offers tight dimensional tolerances and exceptional diameter uniformity for Swiss machine applications. With stringent roundness, straightness and finish requirements, Dynamet's titanium ULTRABAR leads the way with unprecedented consistency from end-to-end, bar-to-bar and lot-to-lot.

The mill-supplied ULTRABAR works extremely well with auto-loaders and moves efficiently through guide bushings, allowing for higher speeds and feed rates that may optimize production and yield productivity improvements. ULTRABAR can also minimize interruptions in production, reduce downtime for machine adjustments and virtually eliminate machining vibration and the need for conversion and finish grinding.

Dynamet's proprietary process combines leading technology with state-of-the-art processing, resulting in a new industry standard for machining bar.

- ▶ Bar diameters from 3 mm - 12 mm (0.1181" - 0.4724")
- ▶ Lengths up to 4.26 m (14')
- ▶ Additional sizes will be considered on application.
- ▶ Available in the following medical grades:

Ti 6Al-4V	Ti CP-Grade 1	Ti CP-Grade 4
Ti 6Al-4V ELI	Ti CP-Grade 2	
Ti 6Al-7Nb	Ti CP-Grade 3	

*(Other titanium grades available on application.)*

## TOLERANCE CHARTS:

### METRIC

DIAMETER RANGE (MM) (H5)		TOLERANCE (MM)
>	<=	
—	3 mm	+0 / -0.004
3 mm	6 mm	+0 / -0.005
6 mm	10 mm	+0 / -0.006
10 mm	12 mm	+0 / -0.008

### ENGLISH

DIAMETER RANGE (IN)		TOLERANCE (IN)
>	<=	
—	0.1181	+0 / -0.000157
0.1181	0.23622	+0 / -0.000196
0.23622	0.39370	+0 / -0.000236
0.39370	0.47244	+0 / -0.000314

## WHEN YOU NEED RAW MATERIAL THAT PERFORMS AS WELL AS YOUR EQUIPMENT

Carpenter Technology manufactures a wide range of specialty alloys and stainless steels that have been used in surgical, diagnostic, orthopedic, cardiovascular, dental and medical applications throughout the world. We combine an industry leading product offering with knowledgeable materials support and responsive, on-time delivery. Product forms include loose powder, billet and long form bar, wire, precision strip, fine wire and ribbon, plate, and custom shaped bar and wire.

To discuss your titanium alloy needs or request a quote, call a sales representative near you or visit the Locations page at [www.carttech.com](http://www.carttech.com) and choose Titanium from the contact list.

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