



Forecreu America, Inc. - 4118 N. Nashville Ave. - Chicago, IL 60634 - (773) 539-8501

### Standard Specifications for Biomedical Cannulated-Bars.

Unless otherwise specified and agreed, these specifications are guaranteed by process.

#### Grades

- I. Titanium (Ti6Al4Veli-Ti6Al7Nb)-ASTM F 136-F 1295 (Forecreu document CO 999)
- II. 316 L ASTM F 138 (Forecreu Document CO 998)
- III. 17-4, 455<sup>®</sup>™ ASTM F 899 (Forecreu Document CO 997)
- IV. 420B, 440A ASTM F 899 (Forecreu Document CO 996)

O.D. Tolerance:	+/- 0.0005"
O.D surface finish:	RMS 32
Conversion rate Mpa/ ksi:	1 Mpa = 6.895 ksi 160 ksi = 1103 Mpa
I.D. Tolerance: Ti: & 316L	≤ +/- 5% of I.D nominal ( <b>Implant Grades</b> )
I.D. Tolerance: 17-4, 455 & 465	≤ +/- 3% of I.D nominal ( <b>Instrument Grades</b> )
I.D Crack Size:	Value checked by pin gauging both ends (Tol +0"/ -0.0005") ≤ 0.002"
Concentricity:	0.125" to 0.625" ≤ 1.6% of O.D. See diagram.
T.I.R:	2X Concentricity.
Bar length:	8-12 feet
Straightness:	0.0043"/ Ft.

Date 08/27/13 Revision # 8.