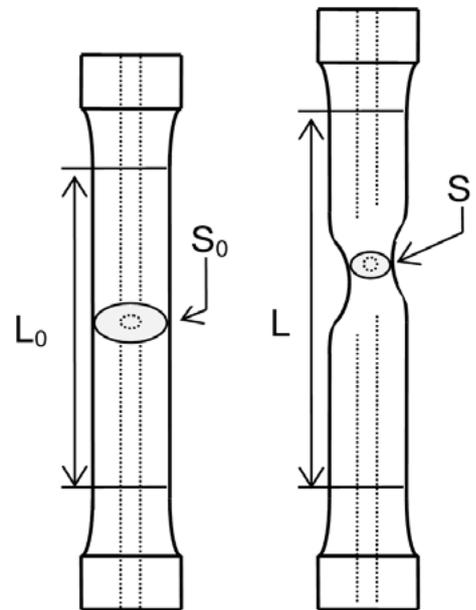
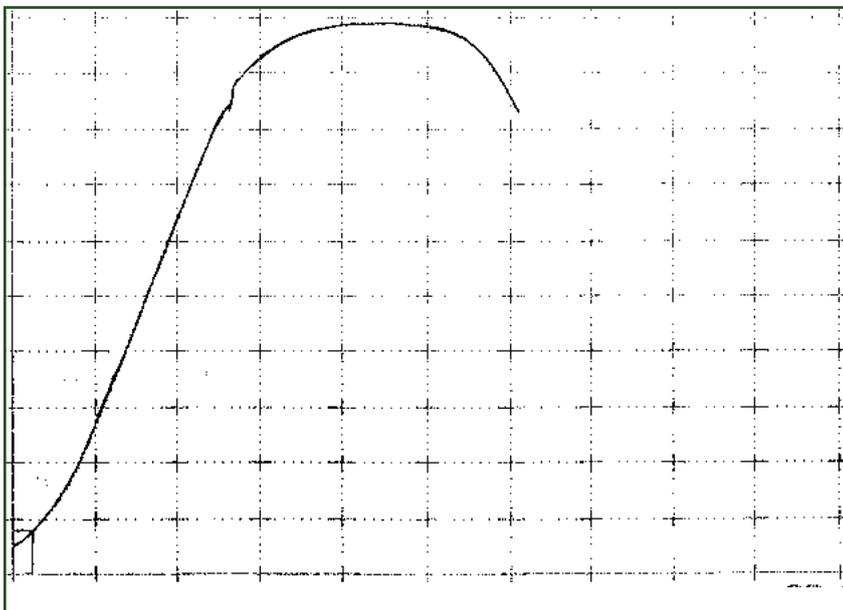


MEDICAL MECHANICAL TESTING FOR TITANIUM ALLOY CANNULATED BARS

TENSILE TEST

- Mechanical tests are performed according to ASTM E8M as specified in reference specification (ASTM and ISO).
- Tensile strength, yield strength, elongation, reduction of area, are tested for each and every batch in our laboratory with a 200 KN testing equipment.
- Typical test curve is following.



GENERAL FEATURES OF TITANIUM ALLOYS USED FOR MEDICAL IMPLANTS APPLICATIONS

	UTS		YS		E %		RA %	
	MPa / (ksi)	mini typical	MPa / (ksi)	mini typical	mini	typical (5D)	mini	typical
ASTM F136 ISO 5832-3 Ti6Al4VELI	860 (125)	990 (144)	795 (115)	835 (121)	10*	12	25	33
ASTM F1295 ISO 5832-11 Ti6Al7Nb	900 (131)	1000 (145)	800 (116)	830 (120)	10*	11	25	34

SAMPLING PROCEDURE

Each and every batch is sampled according to ANSI / ASQC Z1.4 1993.

Please contact our office for any additional information or documentation. Dimensional information and technical drawings in this document are for reference only. Some of the product characteristics indicated in this document may be modified at any time at the company's discretion. Our company is not responsible for the use of our products outside standards prescription and what our commercial documents are indicating.