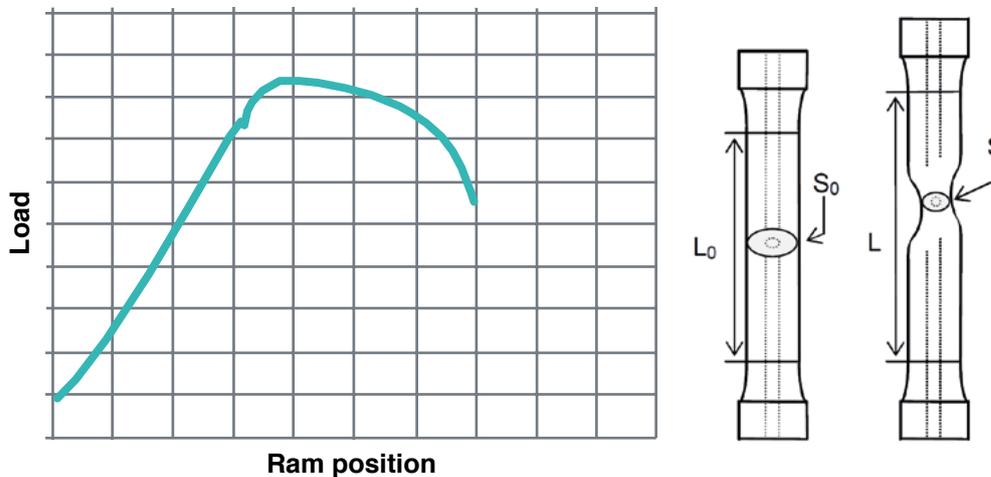


# MEDICAL MECHANICAL TESTING FOR STAINLESS STEELS CANNULATED BARS

## TENSILE TEST

Mechanical tests are performed according to ASTM E8M specification.

- Tensile strength, yield strength, elongation, are tested for each and every batch in our laboratory with a 200 KN equipment.
- Typical test curve is following.



## GENERAL FEATURES OF STAINLESS STEELS USED FOR MEDICAL IMPLANT APPLICATIONS

	Condition	UTS Mpa / (ksi) mini typical		YS Mpa / (ksi) mini typical		mini	e%
							typical (5D)
<b>ASTM F138 ISO 5832-1 316 L M25W™</b>	Annealed	490 to 690 (71 to 100)	590 (86)	190 (28)	300 (44)	40*	44
	Medium Hard	860 to 1100 (125 to 160)					
	Hard	1100 (160)	1180 (171)	Not Specified	990 (144)	Not Specified	10
<b>ASTM F1586 ISO 5832-9 REX 734™ M30NW™</b>	Annealed	740 (107)	900 (131)	430 (62)	590 (86)	35*	36
	Medium Hard	1000 (145)	1035 (150)	700 (102)	815 (118)	20 (4D)	22
	Hard	1100 (160)		1000 (145)		10 (4D)	

\* gage length = (5D) to meet ASTM requirement.

## 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.