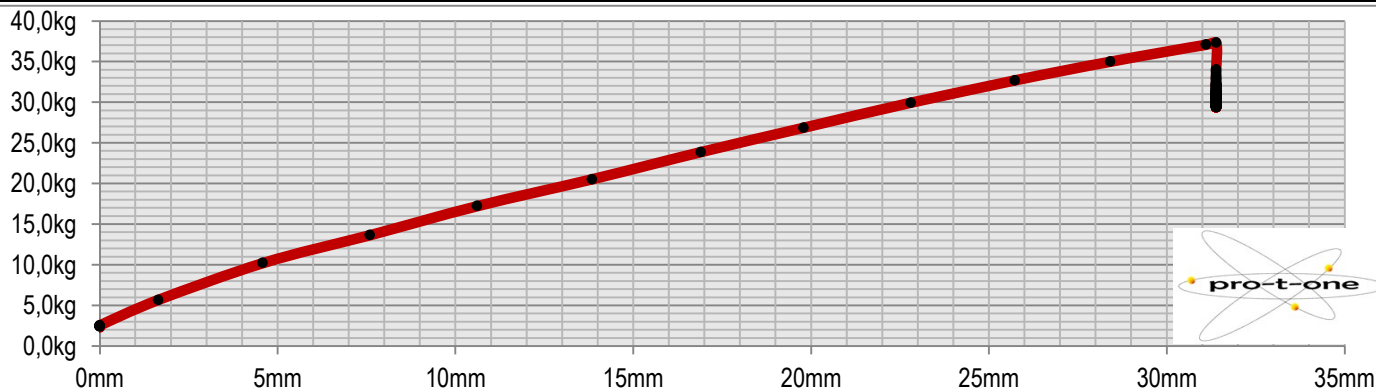


DEFORMATION - LOAD DIAGRAM



STRING PROJECT
SIRIUS
mono

1,25 mm

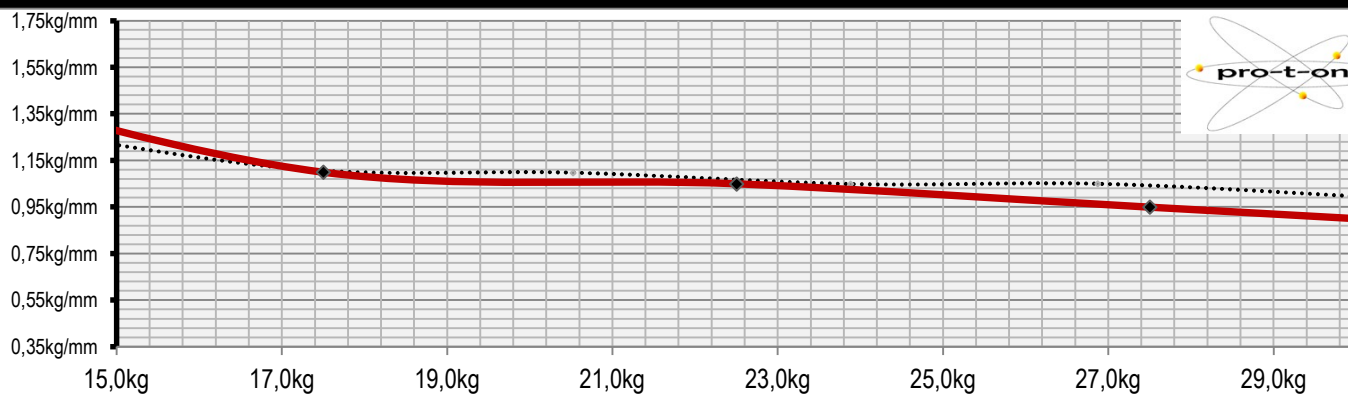
temp 25°C - relative humidity 65%

sample time 700-800ms

starting length 300mm

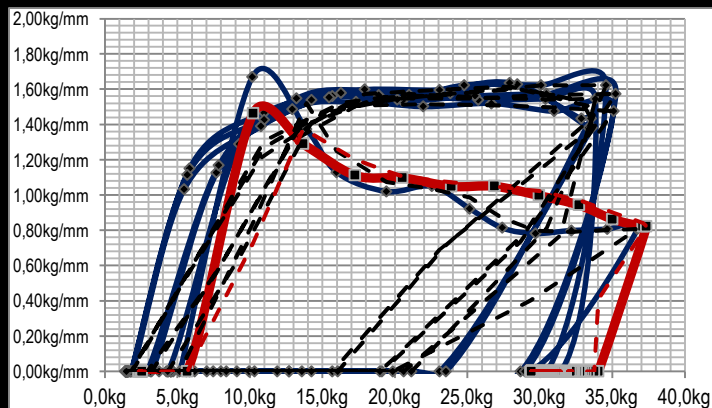
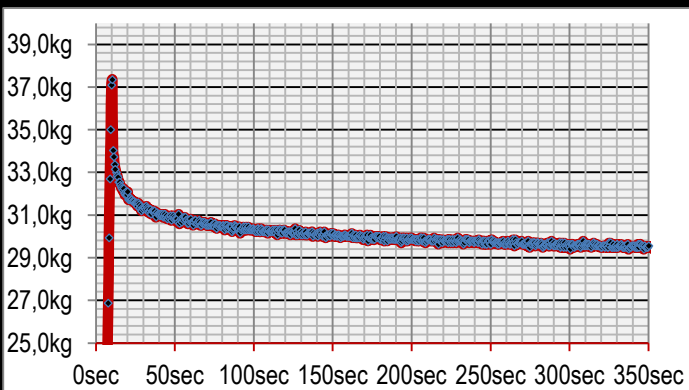
static stiffness 10-15kg	1,50	kg/mm	static stiffness 20-25kg	1,05	kg/mm
static stiffness 15-20kg	1,10	kg/mm	static stiffness 25-30kg	0,95	kg/mm

STRING STATIC STIFFNESS MODULUS

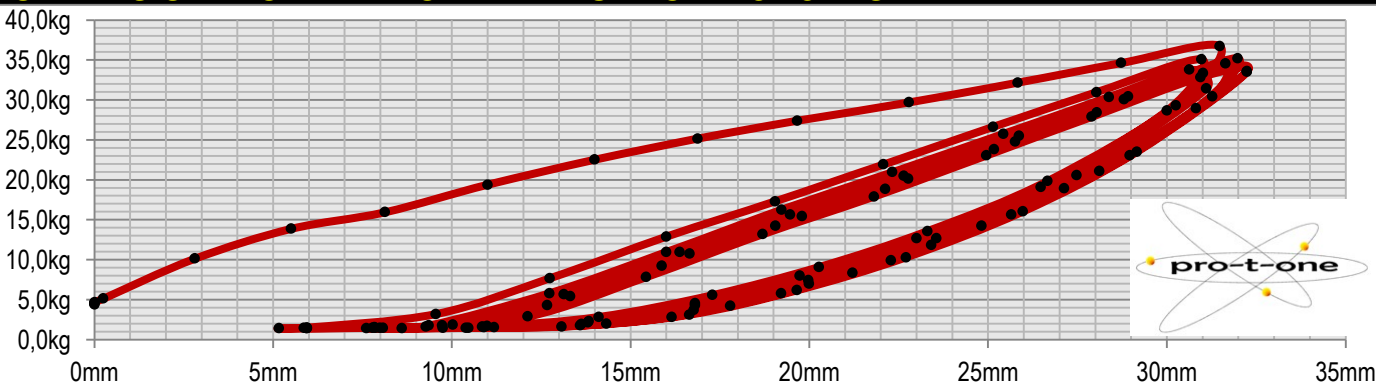


TENSION LOSS

13,5% 7,2% 20,6%



HYSTERESIS DIAGRAM - LOAD AND UNLOAD CYCLES



STRING PROJECT

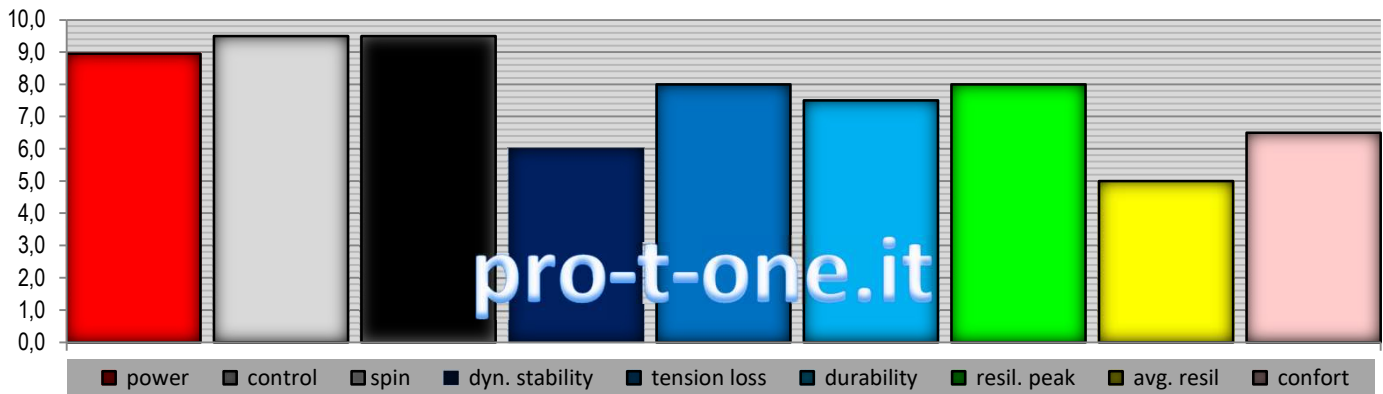
SIRIUS

1,25 mm
mono 0,5

temp 25°C - relative humidity 65%



POWER LEVEL	575pnt	9,0/10	power attitude		128,2kgmm
CONTROL LEVEL	893pnt	9,5/10	control attitude	9,5	10+/10 stiffness
SPIN POTENTIAL	3,0	9,5/10			9,5
DYN. STABILITY LEVEL	566pnt	6,0/10	stability attitude-consistency		0,75
TENSION LOSS INDEX 300	21%	8,0/10	tension loss after 300" - 5mins		0,5
PLAYING LIFE (tension-resilience)	148%	7,5/10	dyn str life	6 - hrs 12 - hrs	(approx.)
MAX RESILIENCE RANGE	19,0kg	23,0kg	maximum resilience range		
RECOMMENDED TENSION	20,0kg	23,5kg		0,5 0 0	
FEELING - BALL TOUCH		6,0/10			
RESILIENCE PEAK	17kgmm	8,0/10	12kgmm 18kgmm	reactivity: high	
AVERAGE ELASTICITY	40kgmm	5,0/10	vs gut	6-cycles	0
STRING PLANE STIFFNESS 22,5kg		7,5/10	new		
STRING PLANE STIFFNESS 27,5kg		12,5/10	new		
PRESTRETCH		YES	recommended %	5%	5%
PROGRESSIVE PLASTICIZATION		YES	def. plast.	2,6mm	3,0kg
					14%
		kg/mm		kg/mm	
STATIC STIFFNESS 10-15kg	super tough	1,50	new	97%	→ 1,45 used
STATIC STIFFNESS 15-20kg	tough	1,10	new	141%	→ 1,55 used
STATIC STIFFNESS 20-25kg	tough	1,05	new	148%	→ 1,55 used
STATIC STIFFNESS 25-30kg	medium-tough	0,95	new	163%	→ 1,55 used
STATIC STIFFNESS 30-35kg	medium-tough	0,85	new	176%	→ 1,50 used
AVG. STATIC STIFFNESS 15-30	tough	1,05	kg/mm	148%	1,55 kg/mm
		g/mm			
DYNAMIC STIFFNESS	225	±5 g/mm	sample time 20ms	tension decay	
	high	8,5/10	reference tension 20kg		
STRING STIFFNESS EMULATOR	220	±5 lb/inch	string legnth 325mm - deflection 10mm		
ARM PROT - CONFORT LEVEL	6,5/10	medium	6,7/10 6,4/10		



DEFORMATION --> elastic & plastic	25,9	
RESILIENCE avg. - elastic deformation	5,3	16%
DUCTILITY avg. plastic deformation	11,6	36%
PROGRESSIVE PLASTICIZATION II	2,6	8%

