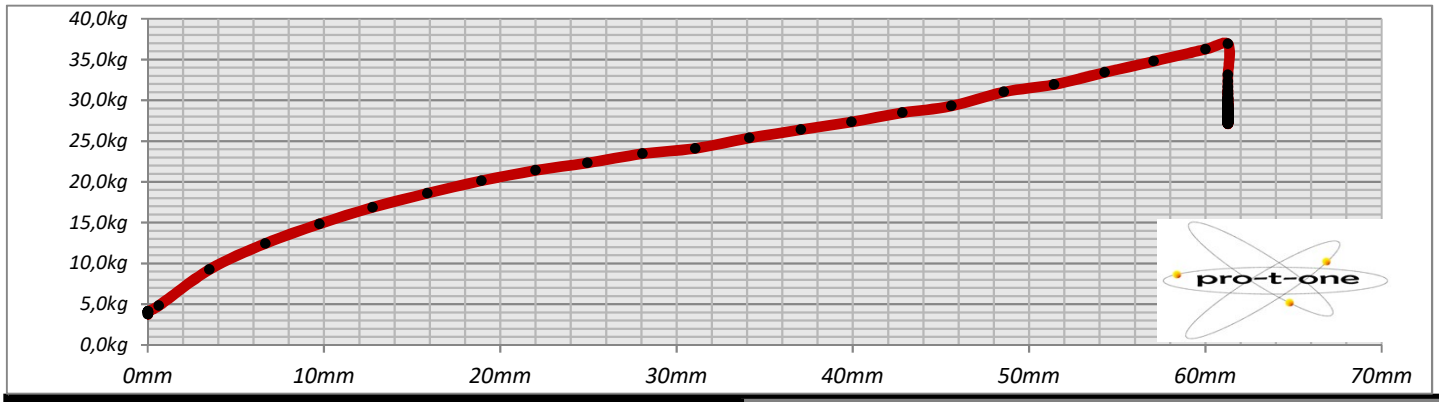
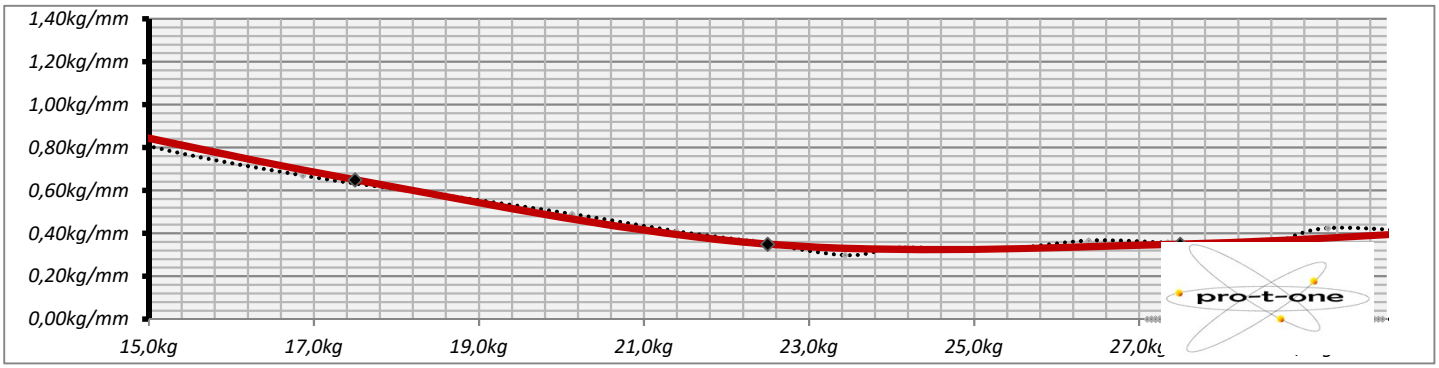
DEFORMATION - LOAD DIAGRAM



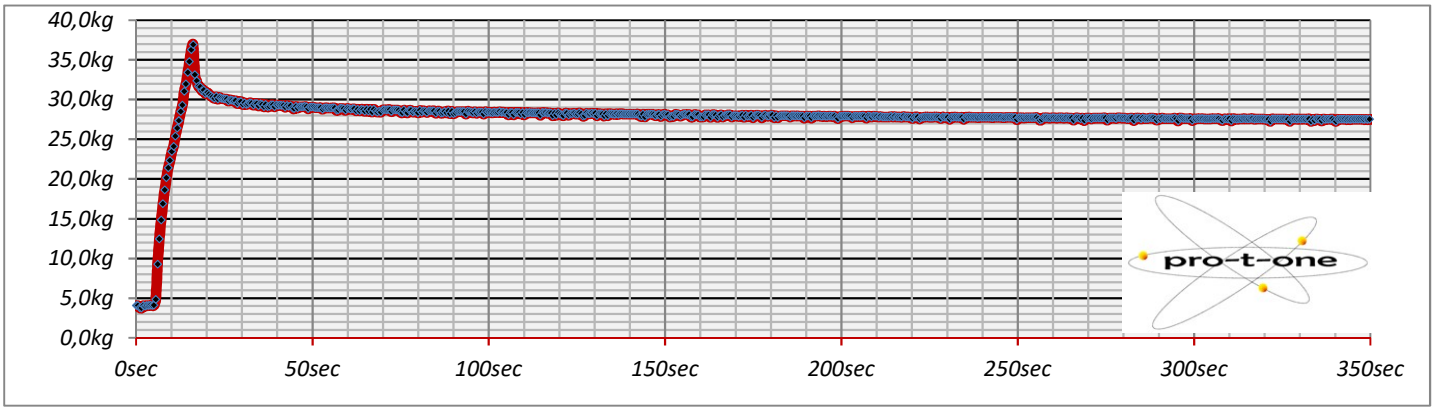
KAMADO	**1,25**	**mm**	temp 25°C - relative humidity 65%		
octagon			sample time	700-800ms	
mono			starting length	300mm	
static stiffness 10-15kg	1,05	**kg/mm**	static stiffness 20-25kg	0,35	**kg/mm**
static stiffness 15-20kg	0,65	**kg/mm**	static stiffness 25-30kg	0,35	**kg/mm**

STRING STATIC STIFFNESS MODULUS

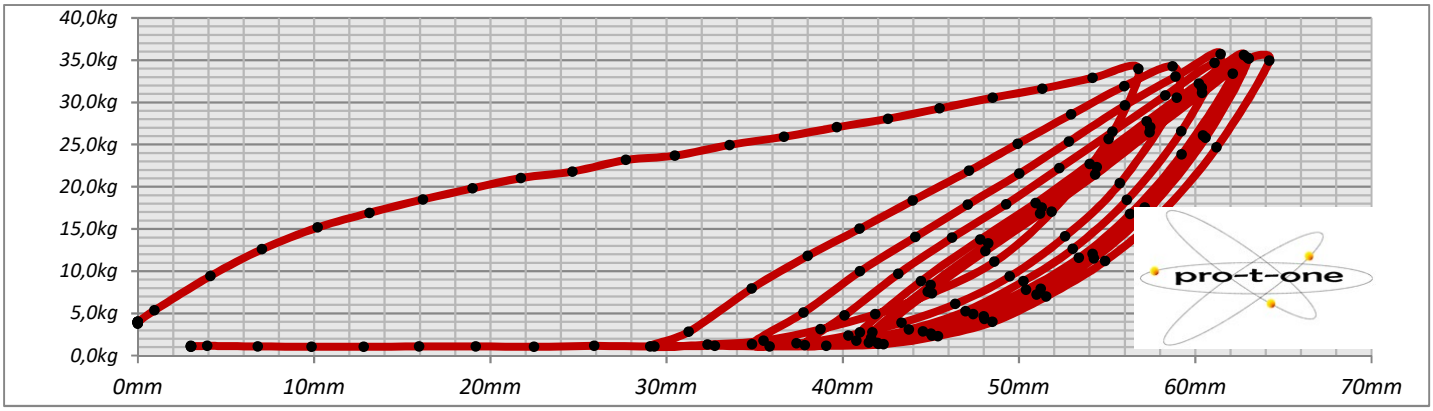


TENSION LOSS DIAGRAM

17,9%	7,5%	25,3%



HYSTERESIS DIAGRAM - LOAD AND UNLOAD CYCLES

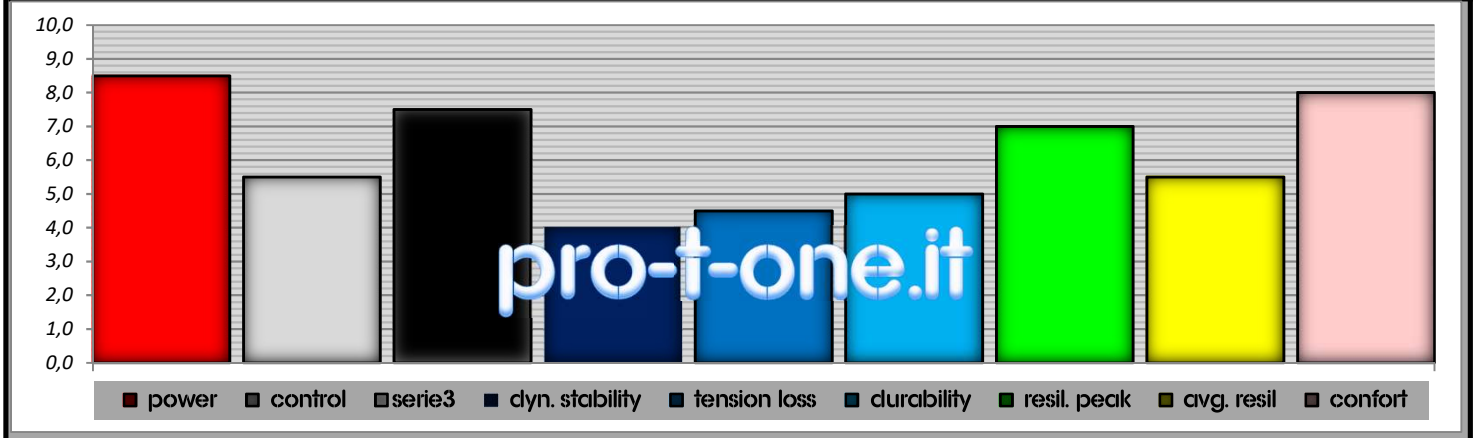


KAMADO	1,25	mm	temp 25°C - relative humidity 65%
octagon	mono	0,5	

POWER LEVEL	489pnt	8,5/10	power attitude				171,8kgmm
CONTROL LEVEL	428pnt	5,5/10	control attitude	5,5		2,5/10	stiffness
SPIN POTENTIAL	2,5	7,5/10					7,5
DYN. STABILITY LEVEL	164pnt	4,0/10	stability attiutude-consistency				-0,5
TENSION LOSS INDEX 300	25%	4,5/10	tension loss after 300" - 5mins				0,5
PLAYING LIFE (tension-resilience)	371%	5,0/10	dyn str life		4 - hrs	6-hrs	(approx.)
MAX RESILIENCE RANGE	22kg	26kg	maximum resilience range				
RECOMMENDED TENSION	23kg	27kg				0	-1

RESILIENCE PEAK	15kgmm	7,0/10	12kgmm	16kgmm	reactivity:	medium	
AVERAGE ELASTICITY	42kgmm	5,5/10	vs gut			6-cycles	0
STRING PLANE STIFFNESS 22,5kg		1,0/10	new				
STRING PLANE STIFFNESS 27,5kg		2,0/10	new				

PRESTRETCH		YES			recommended %	10%	5%
PROGRESSIVE PLASTICIZATION		YES	8,5/10		def. plast.	9,0mm	4,5kg
							18%
		kg/mm				kg/mm	
STATIC STIFFNESS 10-15kg	tough	1,05	new	129%	ð	1,35	used
STATIC STIFFNESS 15-20kg	medium	0,65	new	192%	ð	1,25	used
STATIC STIFFNESS 20-25kg	soft	0,35	new	371%	ð	1,30	used
STATIC STIFFNESS 25-30kg	soft	0,35	new	371%	ð	1,30	used
STATIC STIFFNESS 30-35kg	soft	0,45	new	289%	ð	1,30	used
AVG. STATIC STIFFNESS 15-30	super-soft	0,45	kg/mm				
	g/mm						
DYNAMIC STIFFNESS	220	±5 g/mm	sample time 20ms			tension decay	x
	high	8,0/10	reference tension 20kg				
STRING STIFFNESS EMULATOR	205	±5 lb/inch	string legnth 325mm - deflection 10mm				
ARM PROT - CONFORT LEVEL	8,0/10	high	6,8/10	9,5/10			



DEFORMATION --> elastic & plastic	48,7	
RESILIENCE avg. - elastic deformation	7,5	15%
DUCTILITY avg. plastic deformation	31,1	64%
PROGRESSIVE PLASTICIZATION II	10,1	21%