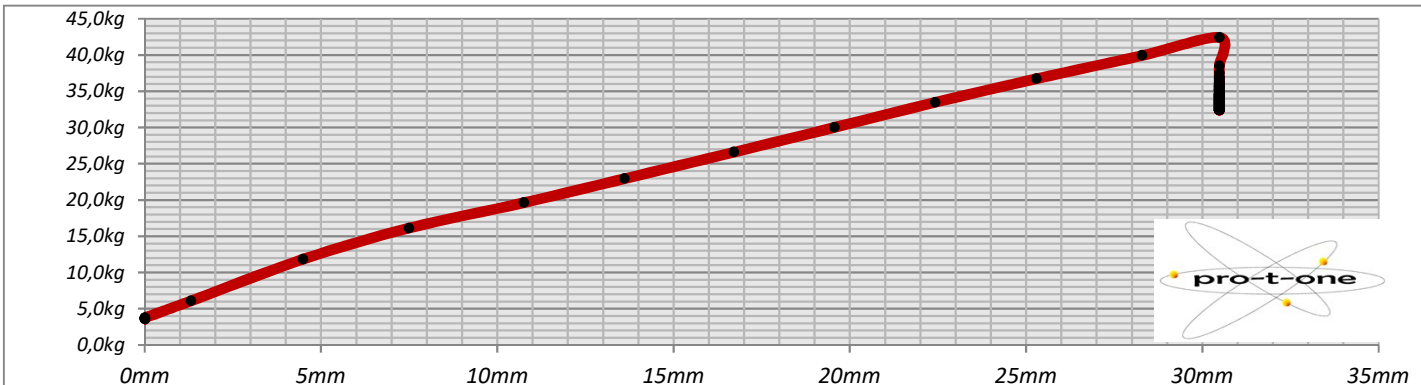
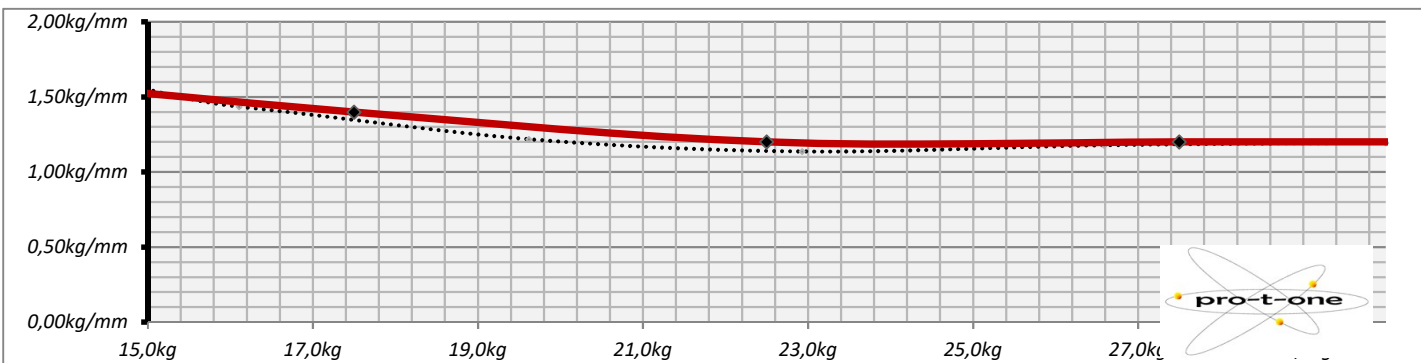


DEFORMATION - LOAD DIAGRAM



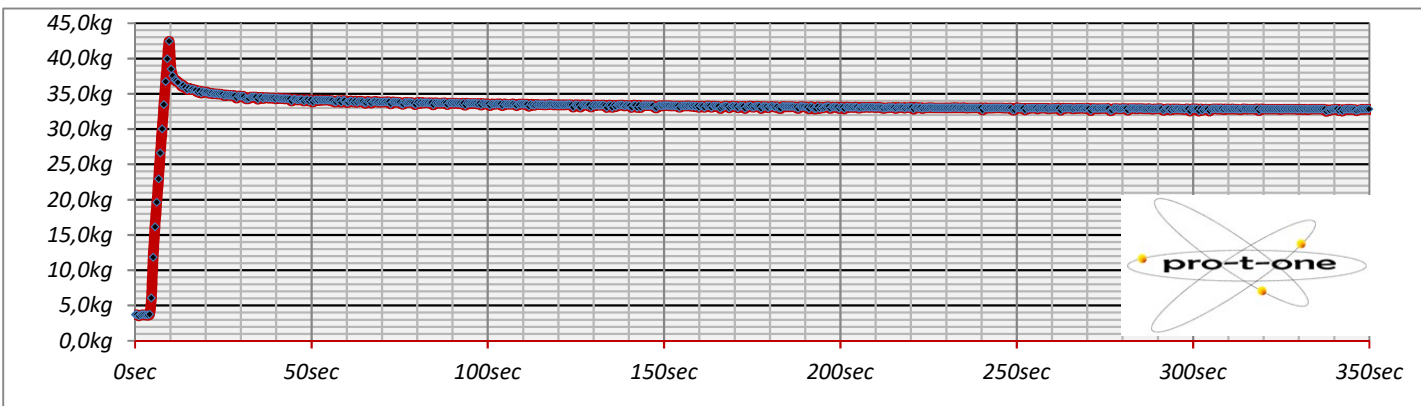
KAMADO	1,20 mm	temp 25°C - relative humidity 65%	
traufe		sample time	700-800ms
mono		starting length	300mm
static stiffness 10-15kg	1,65 kg/mm	static stiffness 20-25kg	1,20 kg/mm
static stiffness 15-20kg	1,40 kg/mm	static stiffness 25-30kg	1,20 kg/mm

STRING STATIC STIFFNESS MODULUS

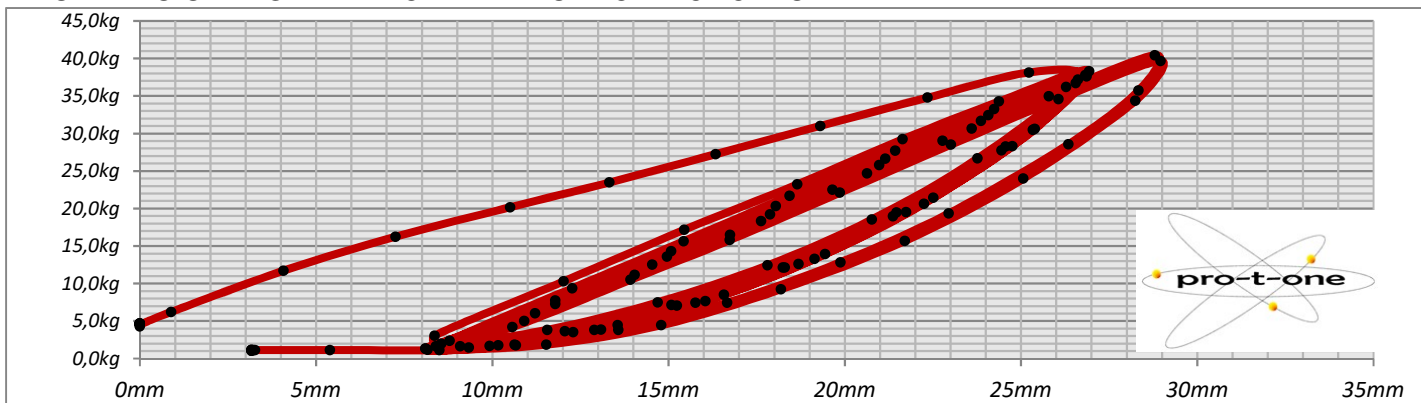


TENSION LOSS DIAGRAM

15,6%	7,0%	22,5%
-------	------	-------



HYSTERESIS DIAGRAM - LOAD AND UNLOAD CYCLES



KAMADO**1,20 mm**

temp 25°C - relative humidity 65%

**traufe****mono**

0,5

POWER LEVEL	539pnt	8,5/10	power attitude	98,3kgmm
CONTROL LEVEL	1235pnt	10,0/10	control attitude 10	10+/10 stiffness
SPIN POTENTIAL	4,0	10+/10		10
DYN. STABILITY LEVEL	932pnt	9,0/10	stability attitude-consistency	0
TENSION LOSS INDEX 300	23%	6,5/10	tension loss after 300" - 5mins	0,5
PLAYING LIFE (tension-resilience)	167%	8,0/10	dyn str life	8 - hrs 10 - hrs (approx.)
MAX RESILIENCE RANGE	22kg	26kg	maximum resilience range	
RECOMMENDED TENSION	19kg	23kg		-1 -1

RESILIENCE PEAK	15kgmm	8,5/10	12kgmm 16kgmm reactivity:	high
AVERAGE ELASTICITY	42kgmm	5,5/10	vs gut	7-cycles 0
STRING PLANE STIFFNESS 22,5kg		8,5/10	new	
STRING PLANE STIFFNESS 27,5kg		10+/10	new	

PRESTRETCH	NO	recommended %	---	5%
PROGRESSIVE PLASTICIZATION	YES	4,5/10	def. plast.	2,0mm 3,0kg
				14%

		kg/mm			kg/mm	
STATIC STIFFNESS 10-15kg	super tough	1,65	new	109%	ø	1,80 used
STATIC STIFFNESS 15-20kg	super tough	1,40	new	139%	ø	1,95 used
STATIC STIFFNESS 20-25kg	tough	1,20	new	167%	ø	2,00 used
STATIC STIFFNESS 25-30kg	tough	1,20	new	167%	ø	2,00 used
STATIC STIFFNESS 30-35kg	tough	1,20	new	163%	ø	1,95 used

AVG. STATIC STIFFNESS 15-30	super tough	1,30	kg/mm
			g/mm

DYNAMIC STIFFNESS	260	±5 g/mm	sample time 20ms	tension decay	x
	high ++	10,5/10	reference tension 20kg		
STRING STIFFNESS EMULATOR	250	±5 lb/inch	string legnth 325mm - deflection 10mm		
ARM PROT - CONFORT LEVEL	5,5/10	low	5,9/10 5,0/10		



DEFORMATION --> elastic & plastic	15,3	
RESILIENCE avg. - elastic deformation	4,4	29%
DUCTILITY avg. plastic deformation	8,2	54%
PROGRESSIVE PLASTICIZATION II	2,7	17%