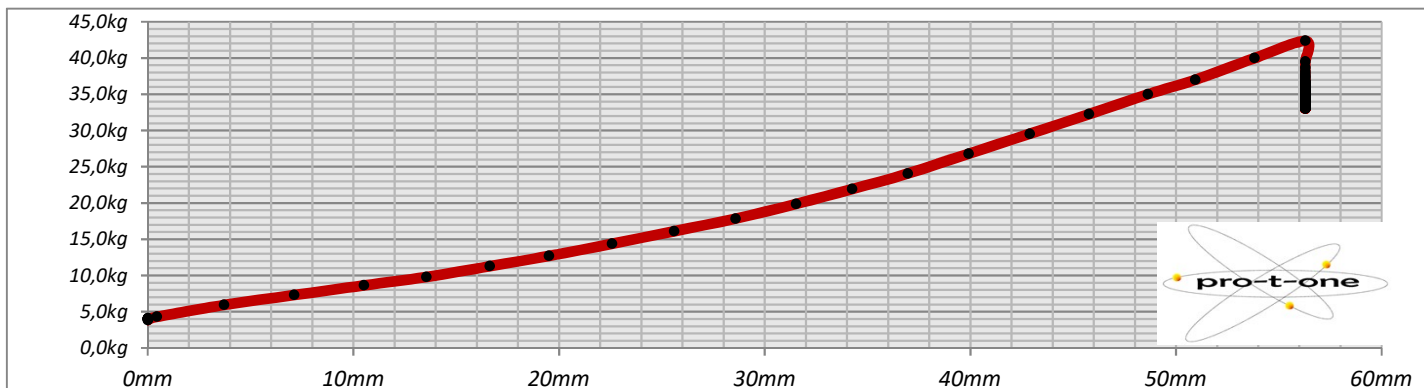
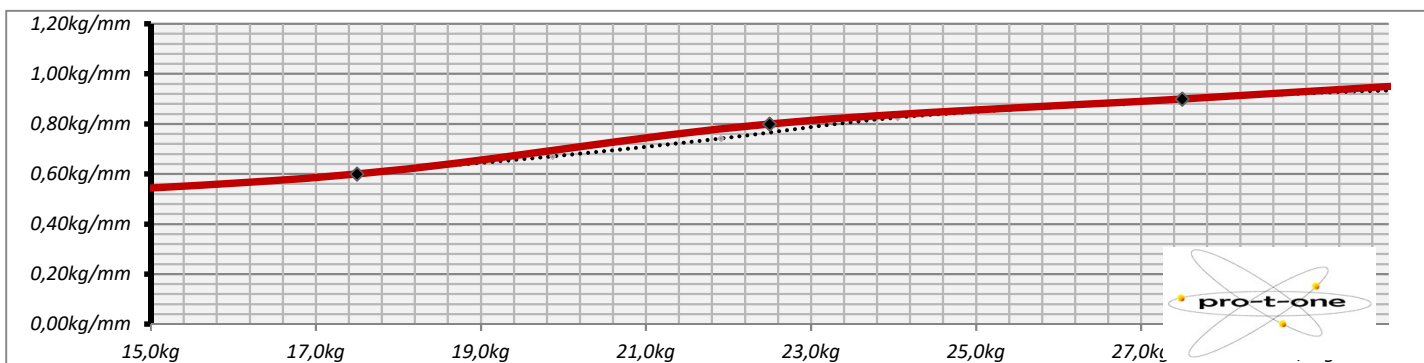


DEFORMATION - LOAD DIAGRAM



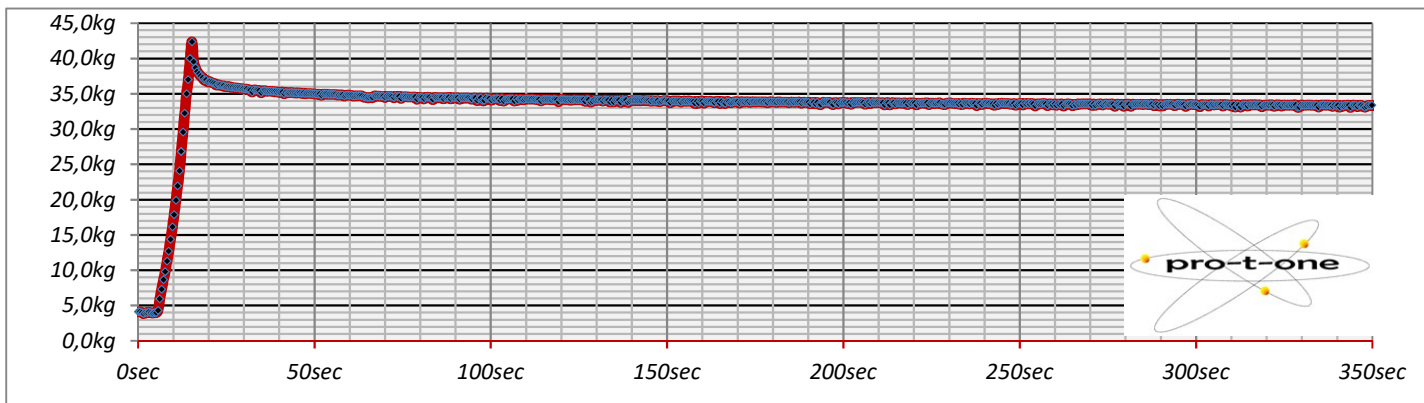
KAMADO		1,30 mm	temp 25°C - relative humidity 65%	
darm			sample time	1000-1200ms
multi			starting length	300mm
static stiffness 10-15kg	0,50	kg/mm	static stiffness 20-25kg	0,80 kg/mm
static stiffness 15-20kg	0,60	kg/mm	static stiffness 25-30kg	0,90 kg/mm

STRING STATIC STIFFNESS MODULUS

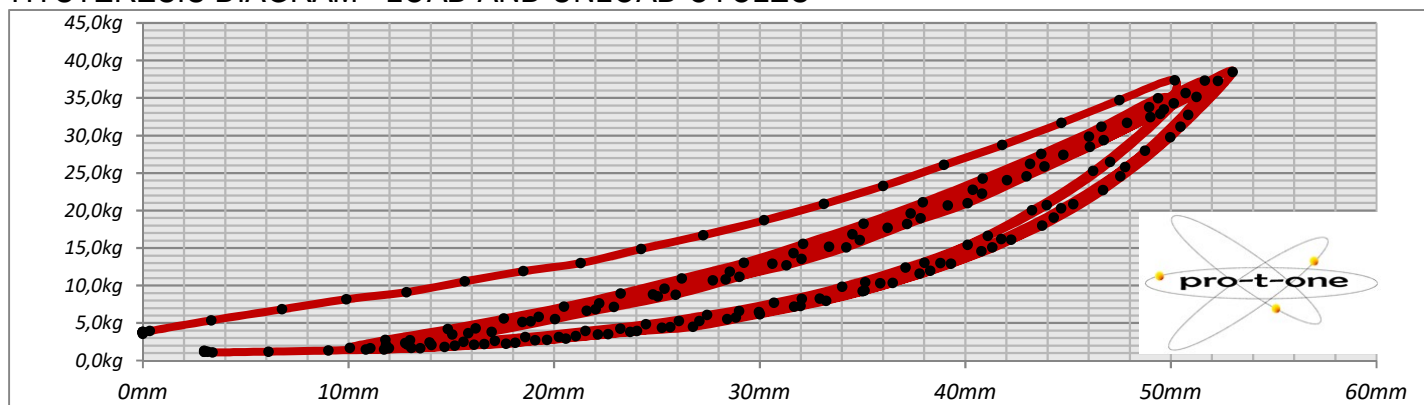


TENSION LOSS DIAGRAM

13,5%	7,5%	21,0%
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HYSTERESIS DIAGRAM - LOAD AND UNLOAD CYCLES



KAMADO

1,30 mm

temp 25°C - relative humidity 65%



darm

multi

POWER LEVEL	601pnt	8,5/10	power attitude	226,5kgmm
CONTROL LEVEL	760pnt	8,5/10	control attitude 8,5	8,5/10 stiffness
SPIN POTENTIAL	3,5	7,5/10		7,5
DYN. STABILITY LEVEL	1520pnt	7,5/10	stability attitude-consistency	0
TENSION LOSS INDEX 300	21%	8,5/10	tension loss after 300" - 5mins	0
PLAYING LIFE (tension-resilience)	131%	10,0/10	dyn str life	25 - hrs 35 - hrs (approx.)
MAX RESILIENCE RANGE	24kg	28kg	maximum resilience range	
RECOMMENDED TENSION	24kg	28kg		0 0

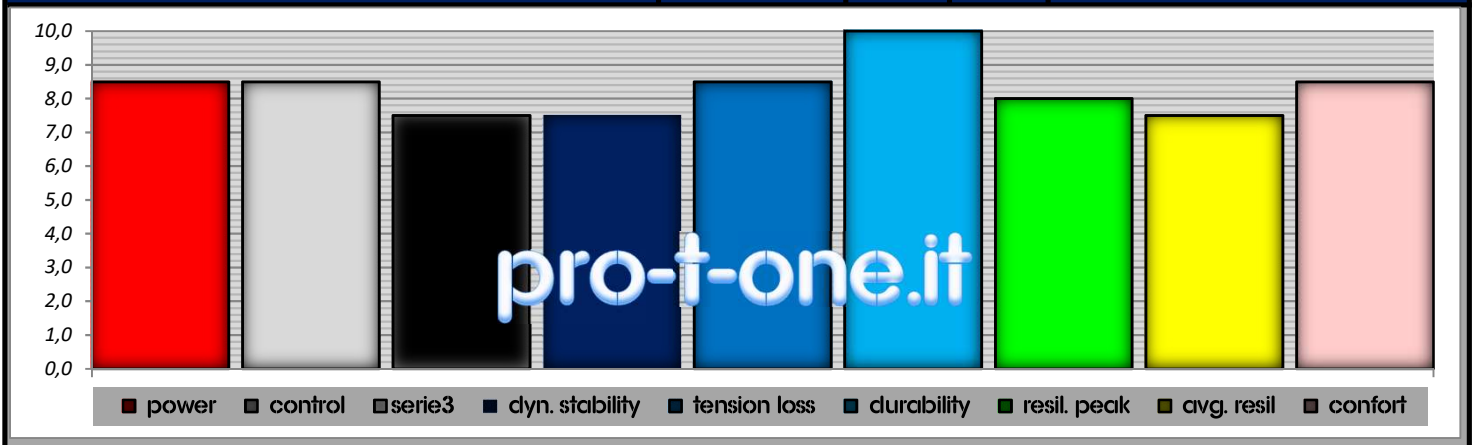
RESILIENCE PEAK	12kgmm	8,0/10	6kgmm 14kgmm reactivity:	high
AVERAGE ELASTICITY	44kgmm	7,5/10	vs gut	5-cycles 0
STRING PLANE STIFFNESS 22,5kg		4,0/10	new	
STRING PLANE STIFFNESS 27,5kg		10,0/10	new	

PRESTRETCH	NO		recommended %	---	5%
PROGRESSIVE PLASTICIZATION	YES	10,0/10	def. plast.	3,1mm	2,5kg
					10%

		kg/mm				kg/mm	
STATIC STIFFNESS 10-15kg	soft	0,50	new	140%	ø	0,70	used
STATIC STIFFNESS 15-20kg	soft	0,60	new	150%	ø	0,90	used
STATIC STIFFNESS 20-25kg	medium-tough	0,80	new	131%	ø	1,05	used
STATIC STIFFNESS 25-30kg	medium-tough	0,90	new	133%	ø	1,20	used
STATIC STIFFNESS 30-35kg	tough	1,00	new	130%	ø	1,30	used

AVG. STATIC STIFFNESS 15-30	medium	0,80	kg/mm
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DYNAMIC STIFFNESS	135	±5 g/mm	sample time 20ms	tension decay	x
	low	3,0/10	reference tension 20kg		
STRING STIFFNESS EMULATOR	145	±5 lb/inch	string legnth 325mm - deflection 10mm		
ARM PROT - CONFORT LEVEL	8,5/10	high	8,8/10 7,7/10		



DEFORMATION --> elastic & plastic	18,5	
RESILIENCE avg. - elastic deformation	7,4	40%
DUCTILITY avg. plastic deformation	7,9	43%
PROGRESSIVE PLASTICIZATION II	3,2	17%

