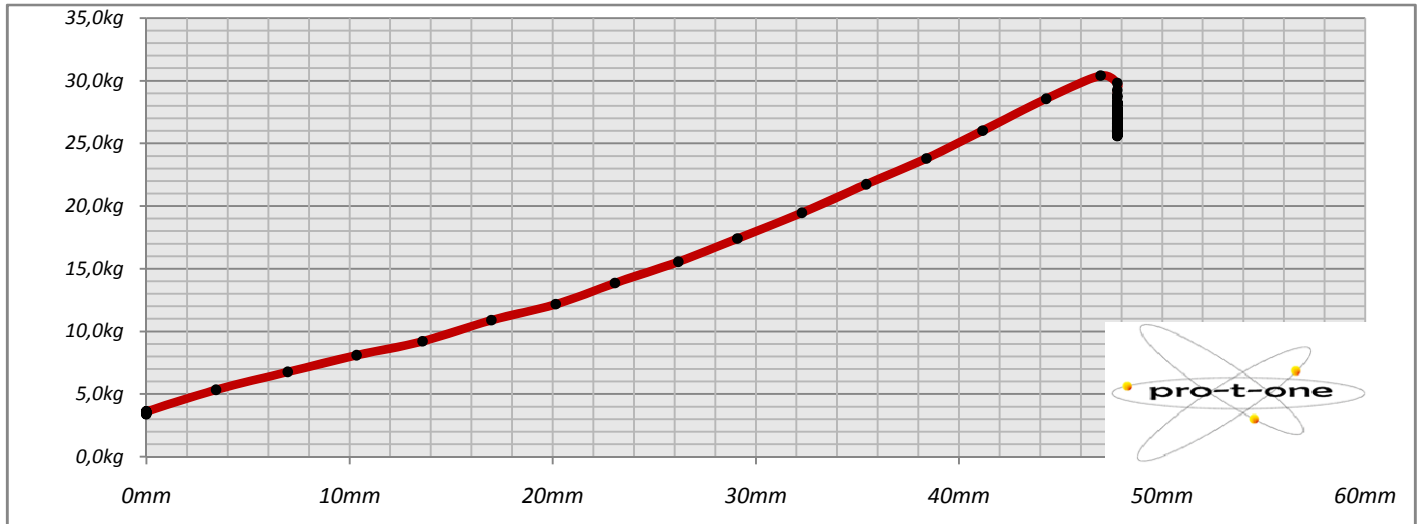
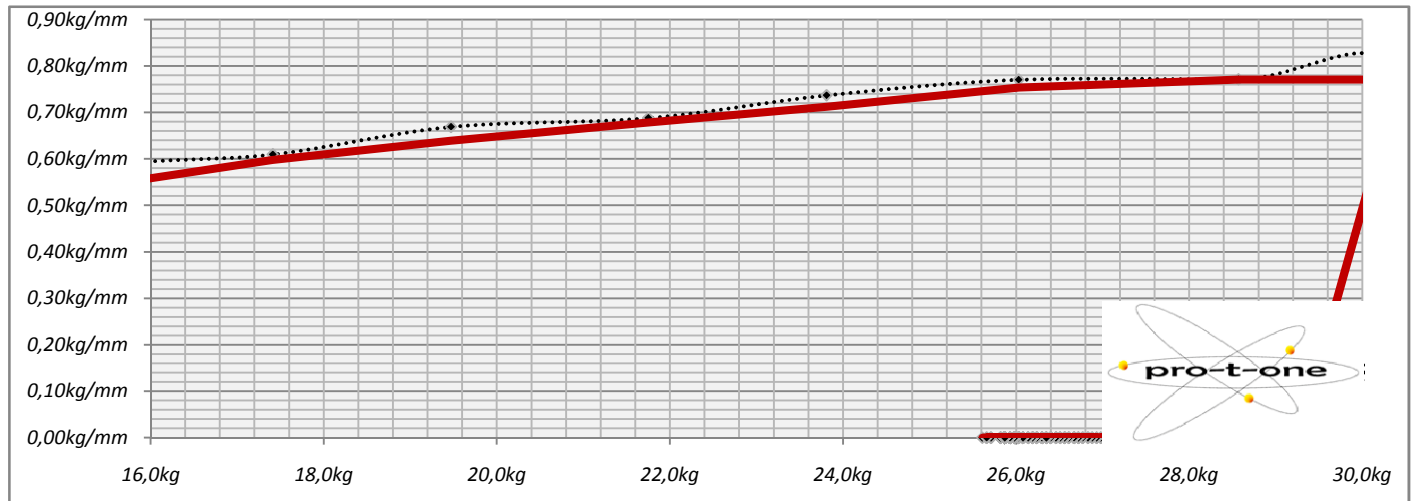


## DEFORMATION - LOAD DIAGRAM

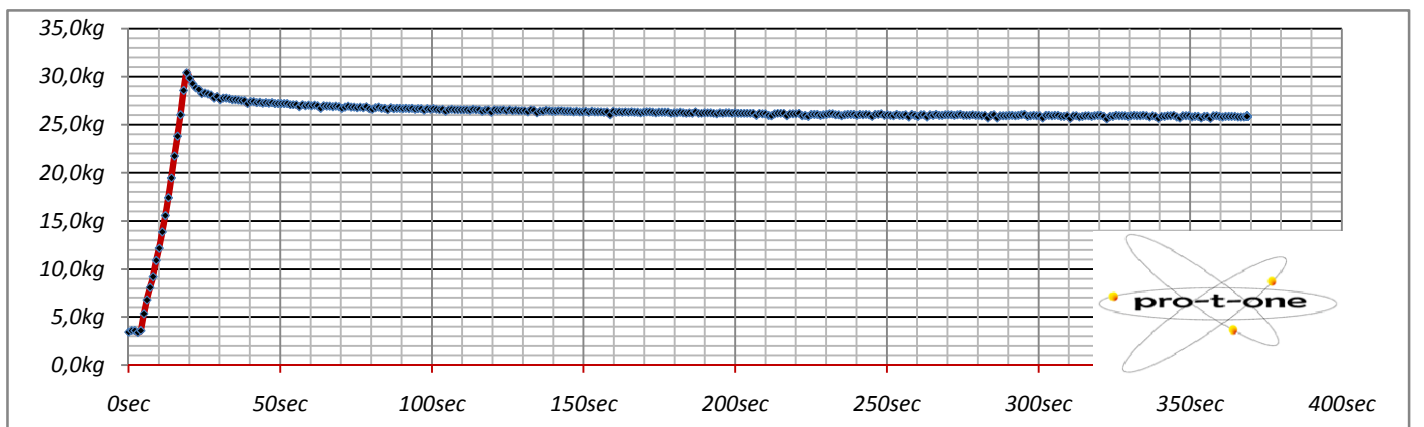


|                                 |                   |                                 |  |                    |
|---------------------------------|-------------------|---------------------------------|--|--------------------|
| <b>STRINGLAB</b>                |                   | <b>1,28 mm</b>                  | <b>temp 25°C - relative humidity 65%</b> |                    |
| <b>top one poly-core multi</b>  |                   |                                 | <b>sample time</b>                       | <b>1000-1200ms</b> |
|                                 |                   |                                 | <b>starting length</b>                   | <b>300mm</b>       |
| <b>static stiffness 10-15kg</b> | <b>0,50 kg/mm</b> | <b>static stiffness 20-25kg</b> | <b>0,75 kg/mm</b>                        |                    |
| <b>static stiffness 15-20kg</b> | <b>0,65 kg/mm</b> | <b>static stiffness 25-30kg</b> | <b>0,80 kg/mm</b>                        |                    |

## STRING STATIC STIFFNESS MODULUS

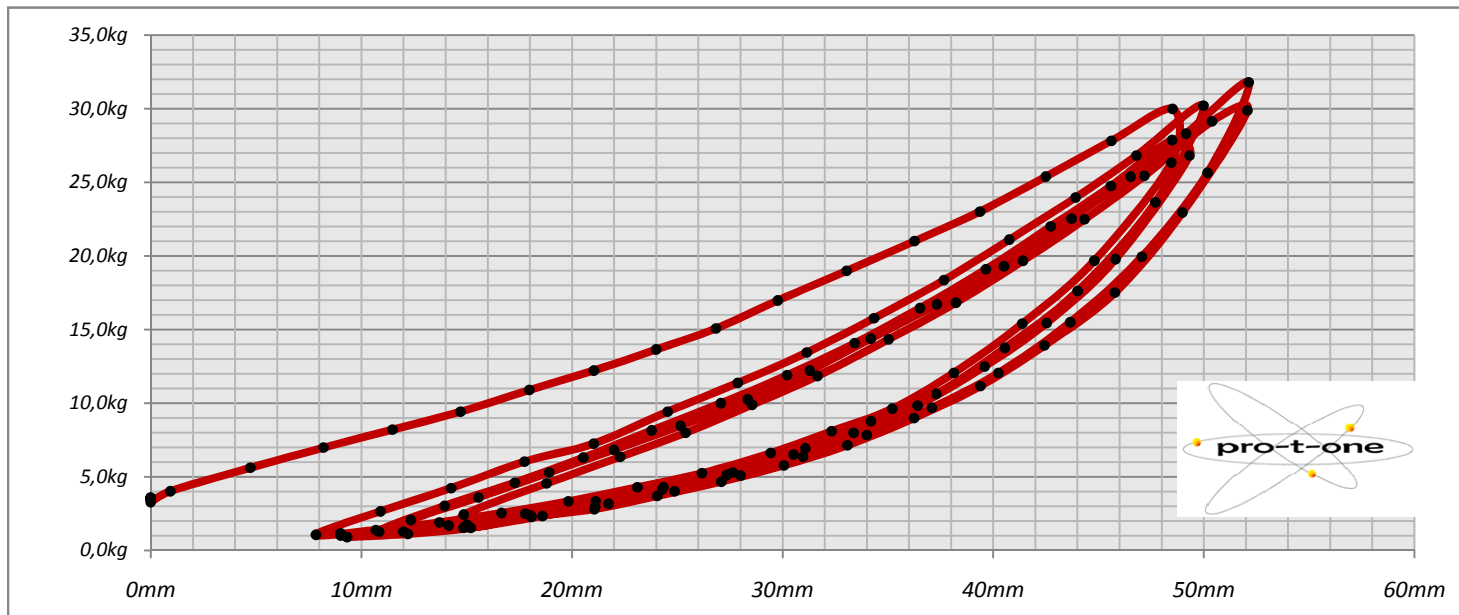


## TENSION LOSS DIAGRAM



# HYSTERESIS DIAGRAM - LOAD AND UNLOAD CYCLES

**STRINGLAB**  
top one poly-core 1,28



|  |                |               |                                   |                                  |
|--|----------------|---------------|-----------------------------------|----------------------------------|
| <b>STRINGLAB</b>                         | <b>1,28</b>    | <b>mm</b>     | temp 25°C - relative humidity 65% |                                  |
| top one poly-core                        | multi          |               |                                   |                                  |
| <b>POWER LEVEL</b>                       | <b>673pnt</b>  | <b>8,0/10</b> | power attitude                    |                                  |
| <b>CONTROL LEVEL</b>                     | <b>880pnt</b>  | <b>7,5/10</b> | control attitude                  | <b>5,0/10</b> stiffness          |
| <b>STABILITY LEVEL</b>                   | <b>1635pnt</b> | <b>10+/10</b> | stability attitude - consistency  |                                  |
| <b>SPIN POTENTIAL</b>                    | <b>1</b>       | <b>7,0/10</b> |                                   |                                  |
| <b>MAX RESILIENCE RANGE</b>              | <b>17kg</b>    | <b>21kg</b>   | maximum resilience range          |                                  |
| <b>RECOMMENDED TENSION</b>               | <b>20kg</b>    | <b>25kg</b>   | 5                                 |                                  |
| <b>TENSION LOSS INDEX 300</b>            | <b>15%</b>     | <b>9,5/10</b> | tension loss after 300" - 5mins   |                                  |
| <b>PLAYING LIFE (tension-resilience)</b> | <b>127%</b>    | <b>10+/10</b> | dyn str life                      | <b>rottura rottura</b> (approx.) |

|                                      |                |                 |                   |               |            |
|--------------------------------------|----------------|-----------------|-------------------|---------------|------------|
| <b>RESILIENCE PEAK</b>               | <b>75kgmm</b>  | <b>8,0/10</b>   | reactivity level: | <b>high</b>   |            |
| <b>AVERAGE RESILIENCE</b>            | <b>280kgmm</b> | <b>4-cycles</b> |                   | <b>9,5/10</b> | vs gut     |
| <b>STRING PLANE STIFFNESS 22,5kg</b> |                | <b>3,5/10</b>   | new               | ⇒             | ##### used |
| <b>STRING PLANE STIFFNESS 27,5kg</b> |                | <b>5,0/10</b>   | new               | ⇒             | ##### used |

|                                   |            |               |              |    |
|-----------------------------------|------------|---------------|--------------|----|
| <b>PRESTRECH</b>                  | <b>NO</b>  | recommended % | <b>---</b>   | 5% |
| <b>PROGRESSIVE PLASTICIZATION</b> | <b>YES</b> | def. plast.   | <b>2,7mm</b> | 5% |

|                                 |             |     |      |   |             |      |
|---------------------------------|-------------|-----|------|---|-------------|------|
| <b>STATIC STIFFNESS 10-15kg</b> | <b>0,50</b> | new | 130% | ⇒ | <b>0,65</b> | used |
| <b>STATIC STIFFNESS 15-20kg</b> | <b>0,65</b> | new | 123% | ⇒ | <b>0,80</b> | used |
| <b>STATIC STIFFNESS 20-25kg</b> | <b>0,75</b> | new | 127% | ⇒ | <b>0,95</b> | used |
| <b>STATIC STIFFNESS 25-30kg</b> | <b>0,80</b> | new | 119% | ⇒ | <b>0,95</b> | used |
| <b>STATIC STIFFNESS 30-35kg</b> | <b>0,80</b> | new | 131% | ⇒ | <b>1,05</b> | used |

## DYNAMIC STRING STIFFNESS

|                                  |               |                   |                                       |               |  |  |
|----------------------------------|---------------|-------------------|---------------------------------------|---------------|--|--|
| <b>STRINGLAB</b>                 | <b>1,28</b>   | <b>mm</b>         | temp 25°C - relative humidity 65%     |               |  |  |
| <b>DYNAMIC STIFFNESS</b>         | <b>148</b>    | <b>±2 g/mm</b>    | sample time 20ms                      |               |  |  |
| <b>4,0/10</b>                    | <b>low</b>    |                   | reference tension 20kg                |               |  |  |
| <b>STRING STIFFNESS EMULATOR</b> | <b>160</b>    | <b>±2 lb/inch</b> | string legnth 325mm - deflection 10mm |               |  |  |
| <b>CONFORT LEVEL</b>             | <b>8,0/10</b> |                   | <b>7,9/10</b>                         | <b>7,4/10</b> |  |  |