

|            |        |                              |
|------------|--------|------------------------------|
| $\alpha_1$ | degree | Prestressed rotational angle |
| $\alpha_2$ | degree | Loaded rotational angle      |
| $\alpha_n$ | degree | Maximum rotational angle     |
| M1         | Nmm    | Prestressed torque           |
| M2         | Nmm    | Loaded torque                |
| Mn         | Nmm    | Maximum torque               |

Wartoci na wykresie:  
 (x):  $\alpha_{phan} = 212,65^\circ$ ;  $M_n = 1558,44$  Nmm

### Charakterystyka sprężyny (wykres siła-przemieszczenie)

