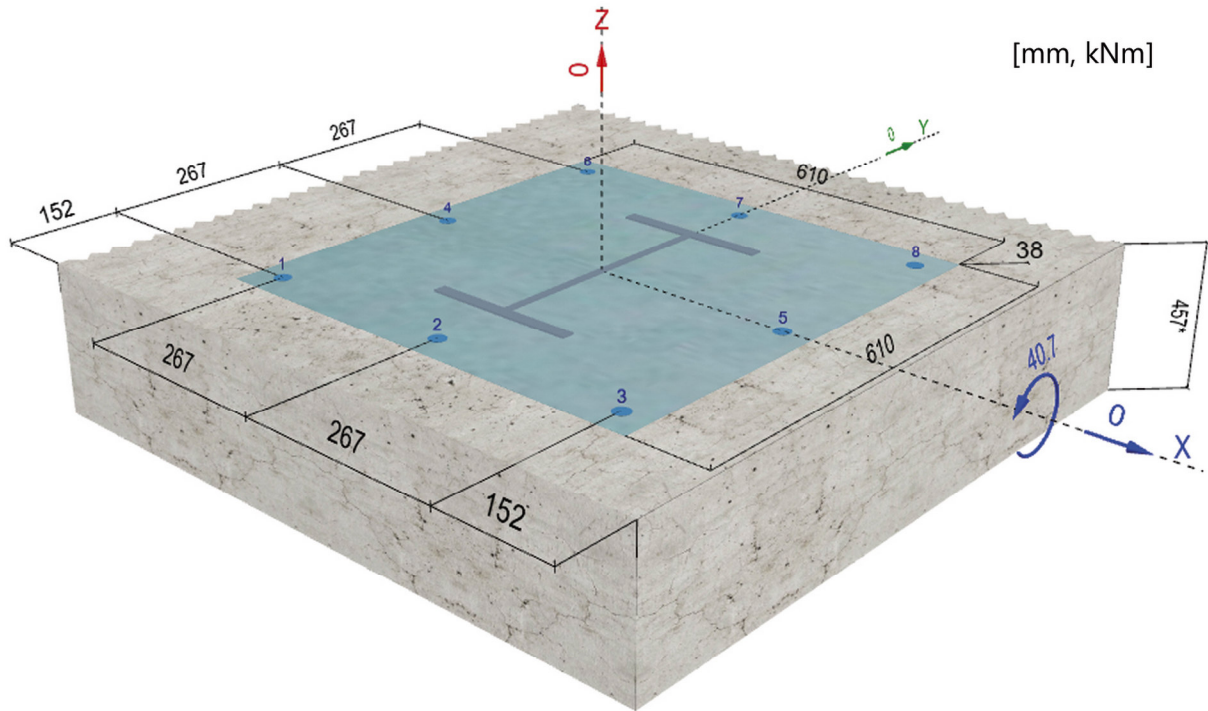


Using Elastic Baseplate model, *Anchor Profi* eliminates the safety risks of Rigid Baseplate assumption without validating stiffness for anchor fastening design!

Design example of ACI 355.3R-11, section 4.10, recalculated by *Anchor Profi*

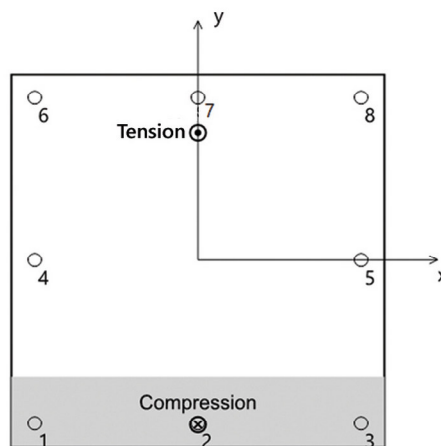


### Anchor tension forces [kN]:

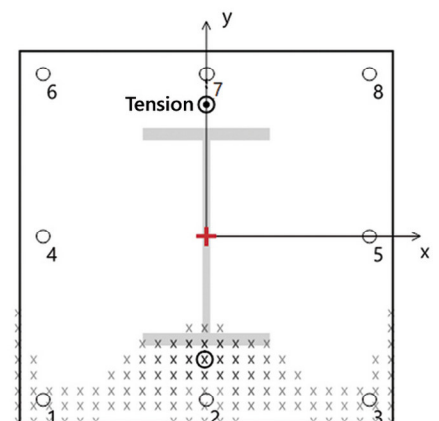
No.	rigid	elastic
1	0.000	0.000
2	0.000	0.000
3	0.000	0.000
4	9.271	8.870
5	9.271	8.870
6	22.234	12.728
7	<b>22.234</b>	<b>51.166</b>
8	22.234	12.728

### Resistances

$\beta_{N,c}$  [%] 46.3      121.8 > **100**



Assumed rigid baseplate



x: concrete compression or prying force

Real elastic baseplate

Elastic Baseplate model reflects the real behavior of baseplates and provides accurate anchor tension forces for anchorage design!

For further information, please contact:

Dr. Li Anchor Profi GmbH, Gustav-Stoll-Weg 7, 72250 Freudenstadt, Germany

Phone: +49 7441 4073833, Internet: [www.anchorprofi.de](http://www.anchorprofi.de), E-mail: [info@anchorprofi.de](mailto:info@anchorprofi.de)