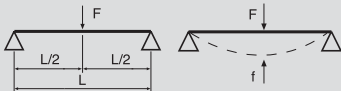
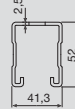
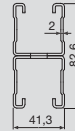


# **Technical data** for channel profile MQ (max. load/deflection at single load)

|                                                                                   |                                                                                   |      |                                                                                   |      |                                                                                    |      |                                                                                     |      |                                                                                     |      |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|
|  |  |      |  |      |  |      |  |      |  |      |
|                                                                                   | Max. load F [kN] / deflection f [mm], max. L/200 bei single load                  |      |                                                                                   |      |                                                                                    |      |                                                                                     |      |                                                                                     |      |
|                                                                                   | MQ-21-RA2<br>MQ-21-R                                                              |      | MQ-41-RA2<br>MQ-41-R                                                              |      | MQ-52-R                                                                            |      | MQ-21D-RA2<br>MQ-21D-R                                                              |      | MQ-41D-R                                                                            |      |
| Span width L [cm]                                                                 | F                                                                                 | f    | F                                                                                 | f    | F                                                                                  | f    | F                                                                                   | f    | F                                                                                   | f    |
| 25                                                                                | 2.15                                                                              | 0.3  | 6.48                                                                              | 0.2  | 11.35                                                                              | 0.1  | 6.09                                                                                | 0.2  | 19.53                                                                               | 0.1  |
| 50                                                                                | 1.07                                                                              | 1.4  | 3.23                                                                              | 0.7  | 5.67                                                                               | 0.6  | 3.04                                                                                | 0.8  | 9.76                                                                                | 0.4  |
| 75                                                                                | 0.71                                                                              | 3.1  | 2.15                                                                              | 1.6  | 3.77                                                                               | 1.3  | 2.02                                                                                | 1.7  | 6.50                                                                                | 0.9  |
| 100                                                                               | 0.48                                                                              | 5.0  | 1.61                                                                              | 2.9  | 2.82                                                                               | 2.4  | 1.51                                                                                | 3.0  | 4.86                                                                                | 1.6  |
| 125                                                                               | 0.30                                                                              | 6.2  | 1.28                                                                              | 4.5  | 2.25                                                                               | 3.7  | 1.20                                                                                | 4.7  | 3.88                                                                                | 2.5  |
| 150                                                                               | 0.20                                                                              | 7.5  | 1.06                                                                              | 6.5  | 1.87                                                                               | 5.4  | 0.99                                                                                | 6.8  | 3.22                                                                                | 3.5  |
| 175                                                                               | 0.14                                                                              | 8.7  | 0.90                                                                              | 8.7  | 1.60                                                                               | 7.3  | 0.79                                                                                | 8.7  | 2.75                                                                                | 4.8  |
| 200                                                                               | 0.10                                                                              | 9.8  | 0.68                                                                              | 10.0 | 1.39                                                                               | 9.6  | 0.59                                                                                | 9.9  | 2.40                                                                                | 6.3  |
| 225                                                                               | 0.07                                                                              | 11.0 | 0.53                                                                              | 11.2 | 1.13                                                                               | 11.2 | 0.45                                                                                | 11.2 | 2.12                                                                                | 8.0  |
| 250                                                                               | 0.05                                                                              | 12.1 | 0.42                                                                              | 12.4 | 0.90                                                                               | 12.4 | 0.35                                                                                | 12.4 | 1.90                                                                                | 9.9  |
| 275                                                                               | 0.04                                                                              | 13.2 | 0.33                                                                              | 13.6 | 0.73                                                                               | 13.7 | 0.28                                                                                | 13.5 | 1.72                                                                                | 12.0 |
| 300                                                                               | 0.02                                                                              | 14.2 | 0.27                                                                              | 14.8 | 0.60                                                                               | 14.9 | 0.22                                                                                | 14.7 | 1.56                                                                                | 14.3 |
| 325                                                                               | 0.01                                                                              | 15.2 | 0.22                                                                              | 16.0 | 0.50                                                                               | 16.1 | 0.17                                                                                | 15.8 | 1.37                                                                                | 16.2 |
| 350                                                                               | -                                                                                 | -    | 0.18                                                                              | 17.1 | 0.41                                                                               | 17.3 | 0.14                                                                                | 16.9 | 1.16                                                                                | 17.4 |
| 375                                                                               | -                                                                                 | -    | 0.15                                                                              | 18.3 | 0.35                                                                               | 18.4 | 0.10                                                                                | 18.0 | 0.99                                                                                | 18.6 |
| 400                                                                               | -                                                                                 | -    | 0.12                                                                              | 19.4 | 0.29                                                                               | 19.6 | 0.08                                                                                | 19.0 | 0.85                                                                                | 19.8 |
| 425                                                                               | -                                                                                 | -    | 0.10                                                                              | 20.5 | 0.24                                                                               | 20.7 | 0.05                                                                                | 20.0 | 0.73                                                                                | 21.0 |
| 450                                                                               | -                                                                                 | -    | 0.07                                                                              | 21.5 | 0.20                                                                               | 21.8 | 0.03                                                                                | 21.0 | 0.63                                                                                | 22.1 |
| 475                                                                               | -                                                                                 | -    | 0.06                                                                              | 22.5 | 0.17                                                                               | 22.9 | 0.02                                                                                | 21.8 | 0.55                                                                                | 23.3 |
| 500                                                                               | -                                                                                 | -    | 0.04                                                                              | 23.5 | 0.13                                                                               | 24.0 |                                                                                     |      | 0.47                                                                                | 24.4 |

Load tables are based on stress and deflection calculations, lateral torsional buckling is not considered.