

| Brand-<br>schutz W<br>VB-F<br>200  |          | q (kN/m <sup>2</sup> ) |           | q (kN/m <sup>2</sup> ) |       |       |       |      |      |      |      |      |      |      |      |      |
|--|----------|------------------------|-----------|------------------------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
|  |          |                        |           | 0,10                   | 0,20  | 0,30  | 0,40  | 0,50 | 0,60 | 0,70 | 0,80 | 0,90 | 1,00 | 1,25 | 1,50 |      |
| 0,50<br>0,50<br>30,10  | Einfeld  | 1                      | FG1       | $l_{max}$              | 17,47 | 12,35 | 10,08 | 8,73 | 7,81 | 7,13 | 6,60 | 6,18 | 5,82 | 5,52 | 4,94 | 4,51 |
|  |          |                        |           | $a_{min}$              | 4,0   | 4,0   | 4,0   | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  |
| FG2  |          |                        | $l_{max}$ | 17,47                  | 12,35 | 10,08 | 8,73  | 7,81 | 7,13 | 6,60 | 6,18 | 5,82 | 5,52 | 4,94 | 4,51 |      |
|  |          | $a_{min}$              | 4,0       | 4,0                    | 4,0   | 4,0   | 4,0   | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  |
| 2  |          | FG1                    | $l_{max}$ | 17,47                  | 12,35 | 10,08 | 8,73  | 7,81 | 7,13 | 6,60 | 6,18 | 5,82 | 5,52 | 4,94 | 4,51 |      |
|  |          |                        | $a_{min}$ | 4,0                    | 4,0   | 4,0   | 4,0   | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  |
|  | FG3      | $l_{max}$              | 17,47     | 12,35                  | 10,08 | 8,73  | 7,81  | 7,13 | 6,60 | 6,18 | 5,82 | 5,52 | 4,94 | 4,51 |      |      |
| $a_{min}$  |          | 4,0                    | 4,0       | 4,0                    | 4,0   | 4,0   | 4,0   | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  |      |      |
| t <sub>v</sub> (mm)<br>t <sub>u</sub> (mm)<br>Gewicht (kg/m <sup>2</sup> ) | Zweifeld | 1                      | FG1       | $l_{max}$              | 16,86 | 12,35 | 10,08 | 8,73 | 7,81 | 7,13 | 6,60 | 6,18 | 5,82 | 5,52 | 4,94 | 4,51 |
|  |          |                        |           | $a_{min}$              | 4,0   | 4,0   | 4,0   | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  |
| FG2  |          |                        | $l_{max}$ | 16,84                  | 12,35 | 10,08 | 8,73  | 7,81 | 7,13 | 6,60 | 6,18 | 5,82 | 5,52 | 4,94 | 4,51 |      |
|  |          | $a_{min}$              | 4,0       | 4,0                    | 4,0   | 4,0   | 4,0   | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  |      |
| 2  |          | FG1                    | $l_{max}$ | 13,87                  | 12,35 | 10,08 | 8,73  | 7,81 | 7,13 | 6,60 | 6,18 | 5,82 | 5,52 | 4,94 | 4,51 |      |
|  |          |                        | $a_{min}$ | 4,0                    | 4,0   | 4,0   | 4,0   | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  |      |
|  | FG3      | $l_{max}$              | 13,87     | 12,35                  | 10,08 | 8,73  | 7,81  | 7,13 | 6,60 | 6,18 | 5,82 | 5,52 | 4,94 | 4,51 |      |      |
| $a_{min}$  |          | 4,0                    | 4,0       | 4,0                    | 4,0   | 4,0   | 4,0   | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  | 4,0  |      |      |      |
| Dreifeld   | 1        | FG1                    | $l_{max}$ | 6,17                   | 5,78  | 5,50  | 5,28  | 5,11 | 4,97 | 4,84 | 4,75 | 4,64 | 4,55 | 4,37 | 4,22 |      |
|  |          |                        | $a_{min}$ | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |
|  |          | FG2                    | $l_{max}$ | 3,97                   | 3,91  | 3,85  | 3,80  | 3,76 | 3,72 | 3,68 | 3,64 | 3,61 | 3,58 | 3,50 | 3,44 |      |
|  |          |                        | $a_{min}$ | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |
|  |          | FG3                    | $l_{max}$ | 2,85                   | 2,84  | 2,83  | 2,82  | 2,81 | 2,79 | 2,78 | 2,77 | 2,76 | 2,75 | 2,73 | 2,71 |      |
|  |          |                        | $a_{min}$ | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |
| Kragarm  | 1        | FG1                    | $l_{max}$ | 6,17                   | 5,78  | 5,50  | 5,28  | 5,11 | 4,97 | 4,84 | 4,75 | 4,64 | 4,55 | 4,37 | 4,22 |      |
|  |          |                        | $a_{min}$ | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |
|  |          | FG2                    | $l_{max}$ | 3,97                   | 3,91  | 3,85  | 3,80  | 3,76 | 3,72 | 3,68 | 3,64 | 3,61 | 3,58 | 3,50 | 3,44 |      |
|  |          |                        | $a_{min}$ | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |
|  |          | FG3                    | $l_{max}$ | 2,85                   | 2,84  | 2,83  | 2,82  | 2,81 | 2,79 | 2,78 | 2,77 | 2,76 | 2,75 | 2,73 | 2,71 |      |
|  |          |                        | $a_{min}$ | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |
| 2  | FG1      | $l_{max}$              | 8,80      | 7,16                   | 6,38  | 5,88  | 5,53  | 5,26 | 5,05 | 4,87 | 4,72 | 4,58 | 4,32 | 4,12 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
|  | FG2      | $l_{max}$              | 3,61      | 3,54                   | 3,48  | 3,42  | 3,37  | 3,32 | 3,28 | 3,24 | 3,20 | 3,17 | 3,09 | 3,03 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
|  | FG3      | $l_{max}$              | 2,26      | 2,25                   | 2,25  | 2,24  | 2,23  | 2,23 | 2,22 | 2,21 | 2,21 | 2,20 | 2,18 | 2,17 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
| 2  | FG1      | $l_{max}$              | 8,80      | 7,16                   | 6,38  | 5,88  | 5,53  | 5,26 | 5,05 | 4,87 | 4,72 | 4,58 | 4,32 | 4,12 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
|  | FG2      | $l_{max}$              | 3,61      | 3,54                   | 3,48  | 3,42  | 3,37  | 3,32 | 3,28 | 3,24 | 3,20 | 3,17 | 3,09 | 3,03 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
|  | FG3      | $l_{max}$              | 2,26      | 2,25                   | 2,25  | 2,24  | 2,23  | 2,23 | 2,22 | 2,21 | 2,21 | 2,20 | 2,18 | 2,17 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
| 1  | FG1      | $l_{max}$              | 7,97      | 5,64                   | 4,60  | 3,99  | 3,57  | 3,25 | 3,01 | 2,82 | 2,66 | 2,52 | 2,25 | 2,06 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
|  | FG2      | $l_{max}$              | 7,97      | 5,64                   | 4,60  | 3,99  | 3,57  | 3,25 | 3,01 | 2,82 | 2,66 | 2,52 | 2,25 | 2,06 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
|  | FG3      | $l_{max}$              | 7,97      | 5,64                   | 4,60  | 3,99  | 3,57  | 3,25 | 3,01 | 2,82 | 2,66 | 2,52 | 2,25 | 2,06 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
| 2  | FG1      | $l_{max}$              | 5,08      | 4,75                   | 4,49  | 3,99  | 3,57  | 3,25 | 3,01 | 2,82 | 2,66 | 2,52 | 2,25 | 2,06 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
|  | FG2      | $l_{max}$              | 5,07      | 4,73                   | 4,47  | 3,99  | 3,57  | 3,25 | 3,01 | 2,82 | 2,66 | 2,52 | 2,25 | 2,06 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |
|  | FG3      | $l_{max}$              | 3,85      | 3,69                   | 3,55  | 3,43  | 3,32  | 3,23 | 3,01 | 2,82 | 2,66 | 2,52 | 2,25 | 2,06 |      |      |
|  |          | $a_{min}$              | 6,0       | 6,0                    | 6,0   | 6,0   | 6,0   | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  | 6,0  |      |      |

Wert 1: ohne Beschränkung der Durchbiegung

Wert 2: Durchbiegung mit l/150 beschränkt

FG: Farbgruppen siehe Farbspektrum Seite 11