



## EU type-examination

Details of test results for lift buffers type E1 - E13.

Configuration A, B and C.

Specified office: TÜV CERT Certification body of

TÜV Hannover/Sachsen-Anhalt e.V.

The type-examination tests for P+S-lift buffers made from Diepocell® have been carried out in accordance with the lift directive 95/16/EU. The certificate number records the permissible load ranges for every type of lift buffer. A EU type-examination test certificate can be issued for every type of P+S- lift buffer on request. The bold printed types of buffers are available at short notice ex. stock, the other types of buffer will be made available on request.

For lifts with slower speeds than the nominal speed ( $V_{n,max}$ ) used for the EU type-certification, the load range is applicable if the max. car or counterweight loads are within the max. and min. load (kg) according to the EU type examination.

| Load limits according to EN 81 | TÜV-Code         |   | 0032      |      |       |       |      |       |       |      |       |
|--------------------------------|------------------|---|-----------|------|-------|-------|------|-------|-------|------|-------|
|                                | Buffer size      |   | E1-45     | E1   | E2-40 | E2-45 | E2   | E2-55 | E3-45 | E3   | E4-45 |
|                                | Dia (mm)         | D | 100       | 100  | 125   | 125   | 125  | 125   | 125   | 125  | 125   |
|                                | Height (mm)      | H | 160       | 160  | 100   | 100   | 100  | 100   | 160   | 160  | 200   |
|                                | Compression (mm) |   | 144       | 144  | 90    | 90    | 90   | 90    | 144   | 144  | 180   |
| Nominal velocity (m/s)         | Load range       |   | Load (kg) |      |       |       |      |       |       |      |       |
| 0,40                           | max.             |   | ./.       | 1344 | 831   | ./.   | 1661 | 3500  | ./.   | 1504 | ./.   |
|                                | min.             |   | ./.       | 103  | 113   | ./.   | 153  | 310   | ./.   | 128  | ./.   |
| 0,63                           | max.             |   | ./.       | 1030 | 672   | ./.   | 1504 | 3100  | ./.   | 1344 | ./.   |
|                                | min.             |   | ./.       | 128  | 158   | ./.   | 263  | 310   | ./.   | 263  | ./.   |
| 1,00                           | max.             |   | 689       | 927  | 568   | 704   | 1486 | 2265  | 838   | 1106 | 822   |
|                                | min.             |   | 103       | 128  | 163   | 148   | 263  | 310   | 203   | 263  | 203   |

  

| Load limits according to EN 81 | TÜV-Code         |   | 0032      |       |      |        |      |       |      |        |      |
|--------------------------------|------------------|---|-----------|-------|------|--------|------|-------|------|--------|------|
|                                | Buffer size      |   | E4        | E5-45 | E5   | E13-45 | E13  | E6-45 | E6   | E11-45 | E11  |
|                                | Dia (mm)         | D | 125       | 140   | 140  | 140    | 140  | 140   | 140  | 140    |      |
|                                | Height (mm)      | H | 200       | 100   | 100  | 160    | 160  | 200   | 200  | 250    |      |
|                                | Compression (mm) |   | 180       | 90    | 90   | 144    | 144  | 180   | 180  | 225    |      |
| Nominal velocity (m/s)         | Load range       |   | Load (kg) |       |      |        |      |       |      |        |      |
| 0,40                           | max.             |   | 1661      | ./.   | 2744 | ./.    | 3117 | ./.   | 2451 | ./.    | 2744 |
|                                | min.             |   | 103       | ./.   | 203  | ./.    | 203  | ./.   | 203  | ./.    | 228  |
| 0,63                           | max.             |   | 1504      | ./.   | 2120 | ./.    | 2120 | ./.   | 2120 | ./.    | 2744 |
|                                | min.             |   | 153       | ./.   | 203  | ./.    | 303  | ./.   | 278  | ./.    | 228  |
| 1,00                           | max.             |   | 1442      | 1344  | 1980 | 1641   | 2046 | 1258  | 1966 | 1604   | 2502 |
|                                | min.             |   | 253       | 303   | 303  | 303    | 303  | 253   | 278  | 163    | 228  |

  

| Load limits according to EN 81 | TÜV-Code         |   | 0032      |       |      |       |      |      |      |     |     |
|--------------------------------|------------------|---|-----------|-------|------|-------|------|------|------|-----|-----|
|                                | Buffer size      |   | E12       | E7-45 | E7   | E8-45 | E8   | E9   | E10  | ./. | ./. |
|                                | Dia (mm)         | D | 140       | 165   | 165  | 165   | 165  | 220  | 220  | ./. | ./. |
|                                | Height (mm)      | H | 110       | 160   | 160  | 220   | 220  | 160  | 220  | ./. | ./. |
|                                | Compression (mm) |   | 100       | 144   | 144  | 198   | 198  | 198  | 198  | ./. | ./. |
| Nominal velocity (m/s)         | Load range       |   | Load (kg) |       |      |       |      |      |      |     |     |
| 0,40                           | max.             |   | 5300      | ./.   | 3434 | ./.   | 4079 | 7567 | 8132 | ./. | ./. |
|                                | min.             |   | 190       | ./.   | 278  | ./.   | 203  | 465  | 465  | ./. | ./. |
| 0,63                           | max.             |   | 4489      | ./.   | 3117 | ./.   | 4079 | 7043 | 8000 | ./. | ./. |
|                                | min.             |   | 190       | ./.   | 395  | ./.   | 303  | 568  | 727  | ./. | ./. |
| 1,00                           | max.             |   | 3000      | 2337  | 3035 | 2864  | 3919 | 6500 | 8000 | ./. | ./. |
|                                | min.             |   | 310       | 228   | 465  | 573   | 777  | 1344 | 1604 | ./. | ./. |