

### 1.01 Standard range

| WE-Series                                                                    |       |        |      |                   |      | Special design<br>mechanism group 1A <sub>m</sub><br>(M4)<br><br>Cable speed and<br>motor speed<br>see Standard design |                                                 |                    | Continuously adjustable<br>Cable speed by Frequency<br>converter | Wire cable diameter and max. usable cable<br>capacity per cable strand for 1-cable grooved drum <sup>2)</sup> |          |          |                                                                     |              |              |              |
|------------------------------------------------------------------------------|-------|--------|------|-------------------|------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------|----------|---------------------------------------------------------------------|--------------|--------------|--------------|
|                                                                              |       |        |      |                   |      |                                                                                                                        |                                                 |                    |                                                                  | for max. 2 cables                                                                                             |          |          | with flanged wheel ring A0<br>or flanged wheel<br>enlargement A1-A3 |              |              |              |
| Standard design Driving<br>mechanism group 2 <sub>m</sub> (M5) <sup>1)</sup> |       |        |      |                   |      | Design                                                                                                                 | Motor power at 25% ED<br>80 operations per hour | Load <sup>3)</sup> |                                                                  | Cable diameter                                                                                                | 1. Layer | 2. Layer | Total for A0                                                        | Total for A1 | Total for A2 | Total for A3 |
|                                                                              |       | m/min. | kW   | min <sup>-1</sup> | kg   |                                                                                                                        | kW                                              | kg                 | m/min.                                                           | mm                                                                                                            | m        | m        | m                                                                   | m            | m            | m            |
| WE 1                                                                         | 10/2  | 36     | 0.75 | 2800              | 100  | 11/2                                                                                                                   | 0.9                                             | 125                | 0.7 - 36                                                         | 5                                                                                                             | 23.0     | 48.2     | 101                                                                 | 182          | 340          | 483          |
|                                                                              | 10/4  | 18     | 0.55 | 1400              | 160  | 11/4                                                                                                                   | 0.66                                            | 200                | 0.3 - 18                                                         | 6                                                                                                             | 19.4     | 41.2     | 64                                                                  | 109          | 214          | 335          |
|                                                                              | 10/6  | 12     | 0.37 | 900               | 160  | 11/6                                                                                                                   | 0.45                                            | 200                | 0.2 - 12                                                         | 6                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 10/8  | 9      | 0.27 | 700               | 160  | 11/8                                                                                                                   | 0.33                                            | 200                | 0.18 - 9                                                         | 6                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 20/2  | 20     | 0.75 | 2800              | 180  | 21/2                                                                                                                   | 0.9                                             | 225                | 0.4 - 20                                                         | 6                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 20/4  | 10     | 0.55 | 1400              | 250  | 21/4                                                                                                                   | 0.66                                            | 320                | 0.2 - 10                                                         | 6                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 20/6  | 6      | 0.37 | 900               | 250  | 21/6                                                                                                                   | 0.45                                            | 320                | 0.1 - 6                                                          | 6                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 20/8  | 5      | 0.27 | 700               | 250  | 21/8                                                                                                                   | 0.33                                            | 320                | 0.1 - 5                                                          | 6                                                                                                             |          |          |                                                                     |              |              |              |
| WE 5                                                                         | 10/4  | 18     | 1.9  | 1400              | 500  | 11/4                                                                                                                   | 2.2                                             | 630                | 0.3 - 18                                                         | 8                                                                                                             | 22.2     | 47.3     | 73.5                                                                | 125          | 215          | 352          |
|                                                                              | 10/6  | 12     | 1.3  | 900               | 500  | 11/6                                                                                                                   | 1.5                                             | 630                | 0.2 - 12                                                         | 8                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 10/8  | 9      | 0.88 | 700               | 500  | 11/8                                                                                                                   | 1.1                                             | 630                | 0.18 - 9                                                         | 8                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 20/4  | 34     | 1.9  | 1400              | 250  | 21/4                                                                                                                   | 2.2                                             | 320                | 0.6 - 34                                                         | 6                                                                                                             | 29.2     | 61.2     | 127                                                                 | 228          | 426          | 649          |
|                                                                              | 20/6  | 22     | 1.3  | 900               | 250  | 21/6                                                                                                                   | 1.5                                             | 320                | 0.4 - 22                                                         | 6                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 20/8  | 17     | 0.88 | 700               | 250  | 21/8                                                                                                                   | 1.1                                             | 320                | 0.3 - 17                                                         | 6                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 50/4  | 4.2    | 0.66 | 1400              | 630  | 51/4                                                                                                                   | 0.8                                             | 750                | 0 - 4.2                                                          | 8                                                                                                             | 22.2     | 47.3     | 73.5                                                                | 125          | 215          | 352          |
|                                                                              | 50/6  | 2.7    | 0.44 | 900               | 630  | 51/6                                                                                                                   | 0.55                                            | 750                | 0 - 2.7                                                          | 8                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 50/8  | 2      | 0.32 | 750               | 630  | 51/8                                                                                                                   | 0.38                                            | 750                | 0 - 2                                                            | -                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 60/4  | 8      | 0.66 | 1400              | 380  | 61/4                                                                                                                   | 0.8                                             | 475                | 0.1 - 8                                                          | 8                                                                                                             |          |          |                                                                     |              |              |              |
|                                                                              | 60/6  | 5.5    | 0.44 | 900               | 380  | 61/6                                                                                                                   | 0.55                                            | 475                | 0 - 5                                                            | 8                                                                                                             |          |          |                                                                     |              |              |              |
| WE 10                                                                        | 10/4  | 18     | 3.9  | 1400              | 1000 | 11/4                                                                                                                   | 4.5                                             | 1250               | 0.3 - 18                                                         | 12                                                                                                            | 25.2     | 54.2     | 85                                                                  | 146          | 254          | 376          |
|                                                                              | 10/6  | 12     | 2.5  | 950               | 1000 | 11/6                                                                                                                   | 3.0                                             | 1250               | 0.2 - 12                                                         | 12                                                                                                            |          |          |                                                                     |              |              |              |
|                                                                              | 10/8  | 9      | 1.8  | 700               | 1000 | 11/8                                                                                                                   | 2.2                                             | 1250               | 0.18 - 9                                                         | 12                                                                                                            |          |          |                                                                     |              |              |              |
|                                                                              | 20/4  | 27     | 3.9  | 1400              | 750  | 21/4                                                                                                                   | 4.5                                             | 900                | 0.5 - 27                                                         | 12                                                                                                            |          |          |                                                                     |              |              |              |
|                                                                              | 20/6  | 18     | 2.5  | 950               | 750  | 21/6                                                                                                                   | 3.0                                             | 900                | 0.3 - 18                                                         | 12                                                                                                            |          |          |                                                                     |              |              |              |
|                                                                              | 20/8  | 13.5   | 1.8  | 700               | 750  | 21/8                                                                                                                   | 2.2                                             | 900                | 0.2 - 13.5                                                       | 12                                                                                                            |          |          |                                                                     |              |              |              |
|                                                                              | 30/4  | 36     | 3.9  | 1400              | 500  | 31/4                                                                                                                   | 4.5                                             | 630                | 0.7 - 36                                                         | 9                                                                                                             | 34.9     | 73.7     | 198                                                                 | 281          | 478          | 700          |
|                                                                              | 50/4  | 4.5    | 1.32 | 1400              | 1250 | 51/4                                                                                                                   | 1.5                                             | 1600               | 0 - 4.5                                                          | 12                                                                                                            | 25.2     | 54.2     | 85                                                                  | 146          | 254          | 376          |
|                                                                              | 50/6  | 3      | 0.88 | 900               | 1250 | 51/6                                                                                                                   | 1.0                                             | 1600               | 0 - 3                                                            | 12                                                                                                            |          |          |                                                                     |              |              |              |
|                                                                              | 60/4  | 6.3    | 1.32 | 1400              | 1000 | 61/4                                                                                                                   | 1.5                                             | 1250               | 0.1 - 6.3                                                        | 12                                                                                                            |          |          |                                                                     |              |              |              |
|                                                                              | 60/6  | 4      | 0.88 | 900               | 1000 | 61/6                                                                                                                   | 1.0                                             | 1250               | 0 - 4                                                            | 12                                                                                                            |          |          |                                                                     |              |              |              |
|                                                                              | WE 20 | 10/4   | 21   | 7.8               | 1400 | 1800                                                                                                                   | 11/4                                            | 9.2                | 2200                                                             | 0.4 - 21                                                                                                      | 16       | 31.8     | 68.5                                                                | -            | 146          | 232          |
| 10/6                                                                         |       | 14     | 6.1  | 950               | 2000 | 11/6                                                                                                                   | 7.0                                             | 2500               | 0.3 - 14                                                         | 16                                                                                                            |          |          |                                                                     |              |              |              |
| 10/8                                                                         |       | 10.5   | 4.3  | 700               | 2000 | 11/8                                                                                                                   | 5.0                                             | 2500               | 0.2 - 10.5                                                       | 16                                                                                                            |          |          |                                                                     |              |              |              |
| 10/12                                                                        |       | 7      | 2.9  | 479               | 2000 | 11/12                                                                                                                  | 3.5                                             | 2500               | 0.1 - 7                                                          | 16                                                                                                            |          |          |                                                                     |              |              |              |
| 20/4                                                                         |       | 32     | 7.8  | 1400              | 1250 | 21/4                                                                                                                   | 9.2                                             | 1500               | 0.6 - 32                                                         | 12                                                                                                            | 43.5     | 91.9     | 140                                                                 | 302          | 483          | 613          |
| 20/6                                                                         |       | 22     | 6.1  | 950               | 1250 | 21/6                                                                                                                   | 7.0                                             | 1250               | 0.4 - 22                                                         | 12                                                                                                            |          |          |                                                                     |              |              |              |
| 20/8                                                                         |       | 16     | 4.3  | 700               | 1250 | 21/8                                                                                                                   | 5.0                                             | 1500               | 0.3 - 16                                                         | 12                                                                                                            |          |          |                                                                     |              |              |              |
| 50/4                                                                         |       | 4.5    | 2.6  | 1400              | 2500 | 51/4                                                                                                                   | 3.0                                             | 3200               | 0 - 4.5                                                          | 18 <sup>4)</sup>                                                                                              | 26.3     | 57.4     | -                                                                   | 90.3         | 161          | 241          |
| 50/6                                                                         |       | 3      | 1.7  | 900               | 2500 | 51/6                                                                                                                   | 2.0                                             | 3200               | 0 - 3                                                            | 18 <sup>4)</sup>                                                                                              | 26.3     | 57.4     | -                                                                   | 90.3         | 161          | 241          |
| WE 40                                                                        |       | /4     | 10.3 | 8                 | -    | 4000                                                                                                                   | -                                               | -                  | -                                                                | -                                                                                                             | 18       | 26.3     | 57.4                                                                | -            | 90.3         | 161          |
|                                                                              | /6    | 6.8    | 5.5  | -                 | 4000 | -                                                                                                                      | -                                               | -                  | -                                                                |                                                                                                               |          |          |                                                                     |              |              |              |
|                                                                              | /8    | 5.1    | 4    | -                 | 4000 | -                                                                                                                      | -                                               | -                  | -                                                                |                                                                                                               |          |          |                                                                     |              |              |              |

1) Standard design for the WE 40 in the driving mechanism group 1Bm(M3)

2) While specifying the cable capacity 2 spare loops have already been deducted.

The maximum cable capacity is calculated considering 1.5 x cable diameter as the flanged pulley projection

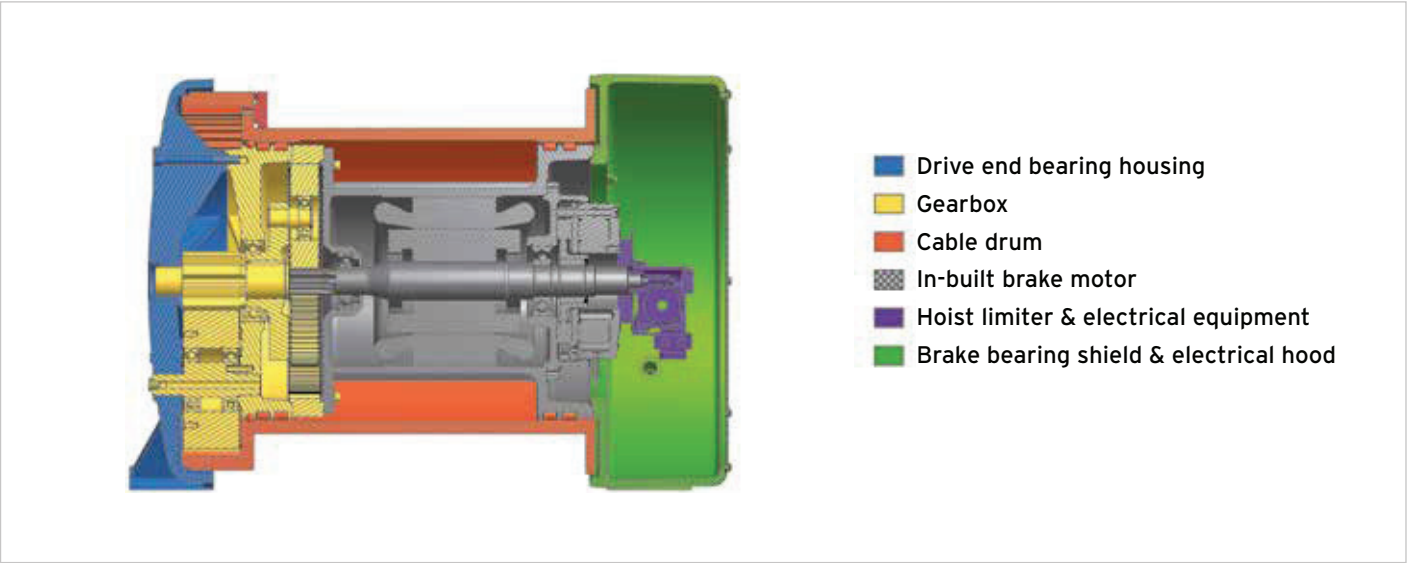
| 2-cable grooved drum<br><br>Winch with extended drum<br><br>- 440 long -<br>Extra letter L<br><br>- up to 3000<br>long -<br>Extra letter Lx |          |          |          |          | Moving<br>loads back<br>and forth<br>(in the process<br>one cable<br>winds up<br>and the other<br>unwinds) |                   | Wire cable diameter and max. usable cable capacity per cable strand for <sup>2)</sup> |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|-----------------|------------------------|----------------------------------|--------------------------|-----------------------|--------------------------------------|-----------------|--------------------------|----------------------------------|------|------|--------|--|
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   | 2-cable grooved drum                                                                  |                 |                        |                                  |                          |                       | 3-cable grooved drum                 |                 | 4-cable grooved drum     |                                  |      |      |        |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   | for 1-layer winding                                                                   |                 |                        |                                  | for 2-layer<br>winding   |                       | for 1-layer winding                  |                 |                          |                                  |      |      |        |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   | running<br>together                                                                   |                 | running<br>in parallel |                                  | with separating<br>strip |                       | with 2 additional<br>cable fasteners |                 |                          | parallel<br>running together     |      |      |        |  |
| Cable diameter                                                                                                                              | 1. Layer | 2. Layer | 1. Layer | 2. Layer | Cable diameter                                                                                             | max. displacement | Cable diameter                                                                        | Standard design | Design L Drum 440 lg.  | Design Lx<br>Drum up to 3000 lg. | Standard design          | Design L Drum 440 lg. | Design Lx<br>Drum up to 3000 lg.     | Standard design | Design L<br>Drum 440 lg. | Design Lx<br>Drum up to 3000 lg. |      |      |        |  |
| mm                                                                                                                                          | m        | m        | m        | m        | mm                                                                                                         | m                 | mm                                                                                    | m               | mm                     | m                                | m                        | m                     | m                                    | m               | m                        | m                                |      |      |        |  |
| 5                                                                                                                                           | 46.0     | 95.1     | to 343   | to 700   | 5                                                                                                          | 19.7              | 5                                                                                     | 10.2            | 21.7                   | to 169                           | 21.6                     | 45.0                  | to 346                               | 5.8             | 13.1                     | to 112                           | 3.8  | 9.3  | to 83  |  |
| 6                                                                                                                                           | 39.2     | 81.7     | to 294   | -        | 6                                                                                                          | 16.3              |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
| -                                                                                                                                           |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
| -                                                                                                                                           |          |          |          |          |                                                                                                            |                   | Additional grooves <sup>5)</sup>                                                      |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
| -                                                                                                                                           |          |          |          |          | 3                                                                                                          | 31.7              | 3                                                                                     | 16.1            | 33.3                   | to 254                           | 33.2                     | 67.9                  | to 515                               | 9.6             | 21.0                     | to 169                           | 6.8  | 15.2 | to 126 |  |
| -                                                                                                                                           |          |          |          |          | 4                                                                                                          | 24.5              | 4                                                                                     | 12.5            | 26.3                   | to 203                           | 26.2                     | 54.1                  | to 412                               | 7.0             | 16.4                     | to 135                           | 5.0  | 11.7 | to 100 |  |
| -                                                                                                                                           |          |          |          |          | 7                                                                                                          | 13.7              | 6                                                                                     | 8.5             | 18.3                   | to 145                           | 18.2                     | 38.5                  | to 145                               | 4.5             | 10.5                     | to 96                            | 2.9  | 7.7  | to 71  |  |
| -                                                                                                                                           |          |          |          |          | 8                                                                                                          | 11.7              | 7                                                                                     | 7.2             | 15.7                   | to 126                           | 15.7                     | 33.3                  | to 125                               | 3.2             | 9.2                      | to 84                            | 2.1  | 6.4  | to 61  |  |
| 8                                                                                                                                           | 37.6     | 78.8     | to 284   | to 583   | 8                                                                                                          | 18.3              | 6                                                                                     | 12.9            | 22.8                   | to 180                           | 27.4                     | 47.4                  | to 368                               | 5.5             | 12.6                     | to 119                           | 4.7  | 9.6  | to 88  |  |
| -                                                                                                                                           |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
| -                                                                                                                                           |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
| 6                                                                                                                                           | 48.8     | 101      | to 365   | to 745   | 6                                                                                                          | 25.1              |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
| -                                                                                                                                           |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   | Additional grooves <sup>5)</sup>                                                      |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
| 8                                                                                                                                           | 37.6     | 78.8     | to 284   | to 583   | 4                                                                                                          | 37.3              | 4                                                                                     | 19.1            | 32.8                   | to 253                           | 39.3                     | 67.0                  | to 512                               | 11.4            | 20.5                     | to 168                           | 7.8  | 14.6 | to 125 |  |
| -                                                                                                                                           |          |          |          |          | 5                                                                                                          | 30.2              | 5                                                                                     | 15.5            | 27.0                   | to 211                           | 32.4                     | 55.7                  | to 429                               | 9.0             | 16.4                     | to 140                           | 6.0  | 11.7 | to 103 |  |
| -                                                                                                                                           |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
| -                                                                                                                                           |          |          |          |          | 7                                                                                                          | 21.2              | 7                                                                                     | 11.0            | 19.6                   | to 156                           | 23.7                     | 41.3                  | to 321                               | 5.7             | 11.5                     | to 104                           | 3.7  | 8.0  | to 76  |  |
| -                                                                                                                                           |          |          |          |          | 10                                                                                                         | 13.9              | 8                                                                                     | 9.5             | 17.2                   | to 139                           | 20.8                     | 36.5                  | to 286                               | 4.8             | 9.8                      | to 92                            | 2.9  | 6.8  | to 68  |  |
| 12                                                                                                                                          | -        | -        | to 246   | to 507   | 12                                                                                                         | 20.4              | 8                                                                                     | 17.7            | -                      | to 181                           | 36.9                     | -                     | to 369                               | 7.7             | -                        | to 120                           | 6.3  | -    | to 88  |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   | Additional grooves <sup>5)</sup>                                                      |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
|                                                                                                                                             |          |          |          |          | 6                                                                                                          | 46.2              | 4                                                                                     | 34.3            | -                      | to 330                           | 68.8                     | -                     | to 666                               | 21.0            | -                        | to 220                           | 14.5 | -    | to 162 |  |
| 9                                                                                                                                           | -        | -        | to 331   | to 679   | 7                                                                                                          | 39.6              | 5                                                                                     | 28.1            | -                      | to 274                           | 56.9                     | -                     | to 555                               | 16.8            | -                        | to 181                           | 11.5 | -    | to 134 |  |
| 12                                                                                                                                          | -        | -        | to 246   | to 507   | 8                                                                                                          | 34.4              | 6                                                                                     | 23.6            | -                      | to 234                           | 48.3                     | -                     | to 475                               | 13.6            | -                        | to 154                           | 9.2  | -    | to 114 |  |
|                                                                                                                                             |          |          |          |          | 9                                                                                                          | 29.9              | 7                                                                                     | 20.3            | -                      | to 203                           | 41.9                     | -                     | to 414                               | 11.5            | -                        | to 135                           | 7.6  | -    | to 99  |  |
|                                                                                                                                             |          |          |          |          | 10                                                                                                         | 26.5              | 9                                                                                     | 15.4            | -                      | to 162                           | 32.5                     | -                     | to 332                               | 8.4             | -                        | to 108                           | 5.3  | -    | to 79  |  |
|                                                                                                                                             |          |          |          |          | 11                                                                                                         | 23.7              | 10                                                                                    | 13.7            | -                      | to 147                           | 29.3                     | -                     | to 302                               | 7.3             | -                        | to 96                            | 3.3  | -    | to 71  |  |
| 16                                                                                                                                          | -        | -        | to 236   | -        | 16                                                                                                         | 25.3              | 12                                                                                    | 19.1            | -                      | to 154                           | 40.3                     | -                     | to 315                               | 9.5             | -                        | to 101                           | 6.5  | -    | to 73  |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   | Additional grooves <sup>5)</sup>                                                      |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
|                                                                                                                                             |          |          |          |          | 9                                                                                                          | 54.1              | 7                                                                                     | 35.6            | -                      | to 262                           | 72.2                     | -                     | to 530                               | 20.5            | -                        | to 174                           | 14.8 | -    | to 127 |  |
| 12                                                                                                                                          | -        | -        | to 315   | to 677   | 10                                                                                                         | 48.2              | 8                                                                                     | 31.2            | -                      | to 232                           | 63.8                     | -                     | to 472                               | 17.7            | -                        | to 154                           | 12.4 | -    | to 113 |  |
|                                                                                                                                             |          |          |          |          | 11                                                                                                         | 41.3              | 9                                                                                     | 27.7            | -                      | to 208                           | 57.1                     | -                     | to 424                               | 15.0            | -                        | to 138                           | 10.7 | -    | to 101 |  |
|                                                                                                                                             |          |          |          |          | 12                                                                                                         | 36.8              | 10                                                                                    | 24.8            | -                      | to 189                           | 51.3                     | -                     | to 386                               | 13.6            | -                        | to 124                           | 9.2  | -    | to 91  |  |
| -                                                                                                                                           | -        | -        |          |          | 13                                                                                                         | 34.6              | 11                                                                                    | 21.3            | -                      | to 160                           | 44.7                     | -                     | to 327                               | 10.9            | -                        | to 104                           | 7.6  | -    | to 77  |  |
|                                                                                                                                             |          |          |          |          | 14                                                                                                         | 32.0              | 13                                                                                    | 18.0            | -                      | to 138                           | 38.3                     | -                     | to 284                               | 8.2             | -                        | to 90                            | 6.0  | -    | to 66  |  |
| 16                                                                                                                                          | -        | -        | to 236   | -        | 16                                                                                                         | 25.3              | 12                                                                                    | 19.1            | -                      | to 154                           | 40.3                     | -                     | to 315                               | 9.5             | -                        | to 101                           | 6.5  | -    | to 73  |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |
|                                                                                                                                             |          |          |          |          |                                                                                                            |                   |                                                                                       |                 |                        |                                  |                          |                       |                                      |                 |                          |                                  |      |      |        |  |

3) With respect to the 1<sup>st</sup> cable position respectively

4) For designs with  $1A_m(M4)$

5) The cable diameter must match the load to be supported by the winch as well as statutory regulations

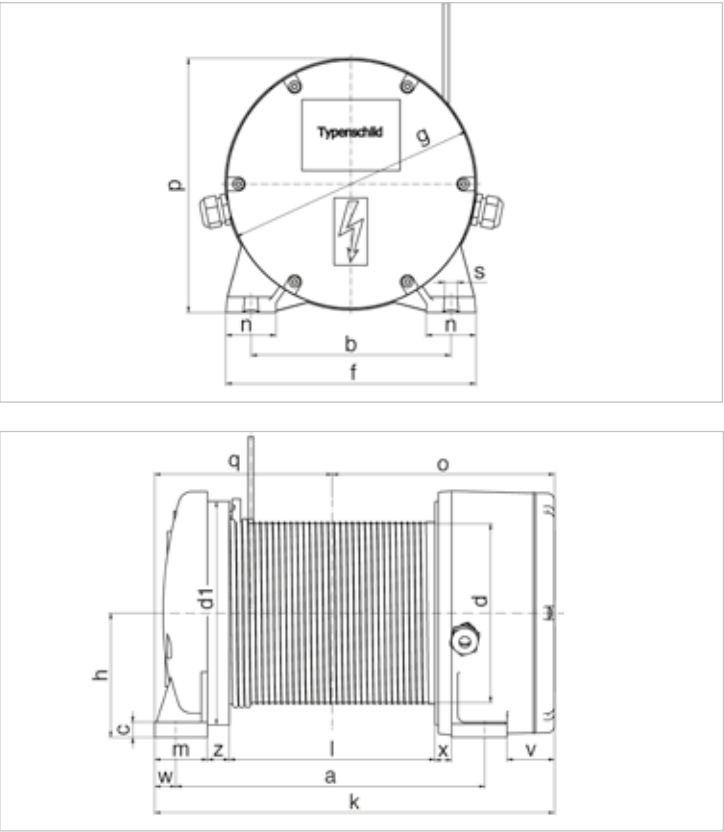
WE Series - An inside view



Electric winches - External dimensions

| Maß <sup>1)</sup> | WE 1 | WE 5 | WE 10 | WE 20 | WE 40 |
|-------------------|------|------|-------|-------|-------|
| a                 | 355  | 435  | 572   | 720   |       |
| b                 | 220  | 270  | 360   | 460   |       |
| c                 | 17   | 25   | 30    | 33    |       |
| d                 | 203  | 257  | 330   | 430   |       |
| d <sub>i</sub>    | 254  | 325  | 437   | 540   |       |
| e                 | 401  | 485  | 648   | 804   |       |
| f                 | 275  | 338  | 443   | 556   |       |
| g                 | 277  | 350  | 468   | 590   |       |
| h                 | 141  | 178  | 238   | 298   |       |
| k <sup>1)</sup>   | 452  | 524  | 692   | 861   |       |
| l                 | 234  | 274  | 365   | 475   |       |
| m                 | 60   | 72   | 102   | 120   |       |
| n                 | 55   | 68   | 83    | 96    |       |
| o                 | 249  | 275  | 327   | 446   |       |
| p                 | 280  | 353  | 472   | 593   |       |
| q                 | 203  | 249  | 335   | 415   |       |
| s <sup>2)</sup>   | M 12 | M 16 | M 20  | M 24  |       |
| v                 | 51   | 39   | 44    | 57    |       |
| w                 | 23   | 25   | 38    | 38    |       |
| x                 | 18   | 27   | 28    | 32    |       |
| z                 | 26   | 40   | 51    | 57    |       |

Our standard WE winch, of which there are currently four different sizes, is the nucleus of all KÖSTER projects in the electric winch area.



1) The minimum dimensions and the size depending on the scope of the electrical equipment and the double brake in accordance with BGV C1  
2) Open elongated hole for fastening screw

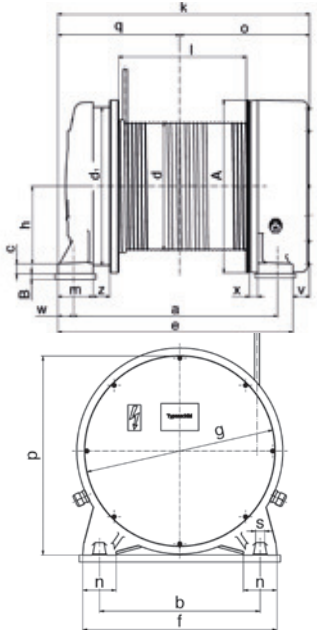
Multi-layer cable roll

With cable pulley enlargement

| Maß <sup>1)</sup> | WE 1   | WE 5   | WE 10  | WE 20  | WE 40 |
|-------------------|--------|--------|--------|--------|-------|
| A1 / B1           | 278/0  | 350/0  | 470/0  | 590/0  |       |
| A2 / B2           | 320/20 | 400/25 | 530/30 | 650/30 |       |
| A3 / B3           | 350/35 | 450/50 | 600/65 | 700/55 |       |

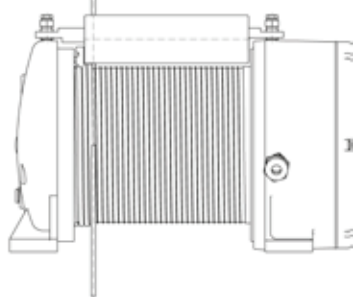
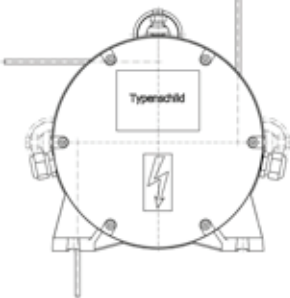


1) Size a - cf. Table page 14, A1 - A3 Flanged pulley diameter, B1 - B3 Minimum lining of the winch supports



Cable remains single-layered in the groove

With cable pressure roller



Cable coiled multi-layered, remains in the groove

With cable spooler

