

## YOUR SUCCESS IS OUR MOTIVATION.

General catalogue
valid from 03/2020


SELVE


INNOVATION FROM TRADITION
SELVE
For over 150 years at the cutting edge
Engineering in motion


Ludger Stracke Managing director


Andreas Böck
Managing director

Dear customers
Our aspiration is to develop roller shutters and sun protection products that make your life easier and safer. That is why we for example developed drives that find their end limit positions independently ( SEE, page 18) or a drive that opens the roller shutter in case of an emergency with just one handgrip ( $\downarrow$ SP Rescue, page 50). Another novelty is the SE Pro ( $\downarrow$ page 14) It comes in the new, grey tube and has the same features as the SEL Plus, but has been extended with some optional additional functions and was optimized extensively.

In addition we have further developed our radio control system commeo (॰ page 99) by intelligent components. The commeo Timer BT ( $\triangleright$ page 103) and the commeo Control ( $\downarrow$ page 112) are new members in the product family and provide the possibility to build a simple room control panel via app-control.

Of course, the topic Smart Home has gained more and more importance. The SELVE Home Server 2 ( page 101) founds its way into our product range. Not only roller shutters and sun protection can be controlled by app via the overall system SELVE Home but also e.g. heating thermostats, window contacts and motion sensors of Homematic IP - for maximum comfort at home and on the move.

Now we wish you especially one thing: Have fun with our new product highlights but also with our longtime proven solutionsall of them can be found in the new SELVE complete catalogue

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We build on a good partnership
It is just us who has this great variety Our technology makes life more comfortable

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Dear customers,
This catalogue is also available as pdf to be downloaded at $>\boldsymbol{w w w}$.selve.de/en/catalogue.
All information in this catalogue corresponds to our present knowledge. It implies no liability or other
legal responsibility on our part including with reard to existing third party patent rishts. It particular legal responsibility on our part, including with regard to existing third party patent rights. In particular,
no guarantee of properties in the legal sense is implied. We reserve the right to make any changes acno guarantee of properties in the legal sense is implied. We reserve the right to make any change
cording to technical progress and operational further developments as well as printing errors.
Our nlastic parts can not always be clearly assigned to a RAL-colour The colour of the
Our plastic parts can not always be clearly assigned to a RAL-colour. The colour of the plastic is dependent on
the type (material) and the age (storage and service life) as well as the operation site (UV and ozone influence). the type (material) and the age (storage and serviciclife) as well as the operation site (UV and ozone influence).
For white parts we use the description "pure white" - similiar RAL 9010 and "traffic white" similiar RAL 0016 . Our products are subject to the intended use. They are intended for the operation on roller shutter constructions. For the use and the installation, the legal standards and legal norms must be overserved.

230 employees, both at the headquarters in Lüdenscheid as well as in the branch in Bad Arolsen, are committed to provide the widest range of products in our sector. Thanks to constant new developments and adaptations of existing products to new customer needs, we are at the cutting edge for more than 150 years now. All this is only possible with regular investments in our ultra - modern production. We ensure efficient processes and a lean production according to LEAN and ensure that quality "Made in Germany" remains affordable.


Our highest goals are to support our specialized customers in their craft and to gain their trust in our technology, performance and service. We therefore work daily on a partnership-based support of our customers. This includes a high professional standard support by the sales department and the technical the technical customer service as well as quick delivery times.
Did you already know? By regular trainings on our products and new technologies, we will prepare you as specialist customer for the future


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SELVE offers many applications that make daily life easier and that increase the living comfort: Sun protection that can be moved from the couch at the push of a button. Roller shutters that simulate presence while you are on vacation. Awnings that move out automatically in case of sunshine and retract automatically at wind. Or the complete sun protection construction that can be controlled via app from anywhere on the road. SELVE products also help to save energy and to increase the security at home. For all products our goal is to, in many respects, provide benefits and to inspire the specialist dealers by assembly advantages.


DRIVES
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At SELVE you can be sure that you will find the right drive for every application. The individual drive types differ in their type of end limit - electronically or mechanically - and by individual functions that are reconciled to the constructions and the requests of the customer.

| Overview of end limits:  <br> SE... electrical shut-off system <br> -SE..-RC electrical shut-off system |  |
| :--- | :--- |
|  | with integrated radio |
| - SP.. | mechanical shut-off system |

## The article description is composed as follows:

 type of drive torque
## SEE 2/ 10-RC

Explanation series 1-3:

- GR 1 Series 1, outside diameters $\emptyset 35 \mathrm{~mm}$, starting from steel shaft SW 40

Series 2 , outside diameters $\emptyset 45 \mathrm{~mm}$, starting from steel shaft SW 50

- GR 3 Series 3, outside diameters $\emptyset 58 \mathrm{~mm}$, starting from steel shaft SW 70

Drives with electronical shut-off system

| SE Pro (-RC) | SE Plus (-RC) | SE Plus-SMI |
| :--- | :--- | :--- |
| $\rightarrow$ from page 14 | from page 24 | $\bullet$ from page. 40 |
| SEE (-RC) | SEZ (-RC) | $\mathbf{2 8 ~ U / m i n ~ ( - R C ~}$ |
| $\rightarrow$ from page 18 | from page 32 | $\bullet$ from page 42 |

SEE-NHK

- from page 22

SEM Plus (-RC)

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Drives with mechanical shut-off system
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Motor brackets
Plug-in connecting cables - from page 81

- from page 70

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|  |  | SE Pro | See | SEE-NHK | SE Plus | SEZ | SEM Plus | SP | SP Rescue | SP-NHK |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\stackrel{y}{0}$ | Roller shutter | x | x | x | x |  |  | X | x | x |
|  | Screen |  |  |  | $x$ |  |  | X |  |  |
|  | Zip-Screen |  |  |  | x | x |  | x |  |  |
|  | Folding arm awning |  |  |  | x |  | x | x |  |  |
|  | Wired version | x | x | x | x | x | x | x | x | x |
|  | Radio version (-RC) available | x | x |  | x | x | x |  |  |  |
|  | Integrated SMI technology available | x |  |  | x | x |  |  |  |  |
|  | Series 1 (SW 40, for shafts starting from $\emptyset$ 40) | X | x |  | x | x |  | x |  |  |
|  | Series 2 (SW $50+60$, for shafts starting from $\varnothing 50$ ) | x | x | x | X | x | x | x | x | x |
|  | Series 3 (SW 70, for shafts starting from $\varnothing$ 70) |  |  |  | x |  | x | x |  | x |
|  | Short version available | x | x |  |  | x |  | x | x | x |
|  | Fast rotation speed 28 rpm available |  |  |  | x | x |  | x |  |  |
|  | Round motor head available |  |  |  |  | x |  |  |  |  |
| 4 <br> $\frac{2}{0}$ <br> $\frac{0}{0}$ <br> $\frac{1}{3}$ <br> 1 | Mechanical limit stop |  |  |  |  |  |  | x | x | x |
|  | Electrical limit stop | x | x | x | x | x | x |  |  |  |
|  | Plug \& Play setting |  | x | x |  |  |  |  |  |  |
|  | Automatic setting of the end limit positions | x | x | x |  | x |  |  |  |  |
|  | Manual setting of the end limit positions | x | x |  | x | x | x | x | x | x |
|  | Additonal intermediate and ventilation position (-RC) | x | x |  | x | x | x |  |  |  |
|  | Obstacle detection with reversion | X (soft) | x |  |  | X (soft, 3x) |  |  |  |  |
|  | Learning overload protection/freeze up protection | x | x | x | x | $x$ | x |  |  |  |
|  | Wind gust detection |  |  |  |  | x |  |  |  |  |
|  | Relief of the upper end limit position | x | x | x | x | x | X (deact.) |  |  |  |
|  | Use with burglar-proof fixations / blocking springs only |  | x | x |  |  |  |  |  |  |
|  | Use with burglar-proof fixations / blocking springs possible | $X$ (manually) | x | x | x |  |  | X | X | x |
|  | Automatic direction assignment | x |  |  | x | x | x |  |  |  |
|  | Parallel connection possible | x | x | x | x | x | x |  |  |  |
|  | Emergency operation in case of power failure |  |  | x |  |  |  |  | X | x |
|  | Use at second emergency escape route |  |  | X (crank) |  |  |  |  | X | X (crank) |
|  | Plugable cable (series 2) | X | X |  | X | X | X | X |  |  |
|  | VDE sign (series 2, 7-30 Nm, also -RC) | x | x |  | x | x | x | x |  |  |

[^0]
## Roller shutter drives SE Pro

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in catalogue

The roller shutter drive with obstacle detection
Especially made for roller shutters, the SE Pro drive combines all positive features of an easy assembly, comfort and maximal protection of the roller shutter installation in just one drive. The special motor head ensures an optimal sensibility in case an obstacle is on the way of motion.
SE Pro drives can be installed with normal safety and fixing springs. When installed with blocking springs or burglar-proof fixations the manual setting of a lower end limit position is recommended. We recommend the use in one-piece constructions as only here the specified functions can fully be guaranteed. The parallel connection of several SE Pro drives is possible. After setting the end limit positions an automatic rotation detection will occur. Series 1 SE Pro drives are delivered with adapters (shaft 40) as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.

Advantages
Automatic setting of the end limit positions: up-down-ready Sensible obstacle detection in the downwards direction

- "Reverse function": Release of the obstacle
- Learning overload protection in upwards direction, freeze up protection
Soft approach against the box - Relief of upper end limit position
- Good \& favourable: Installation with safety and fixing springs

Technical information of SE Pro drives*

| Type | $\begin{aligned} & \text { SE Pro } \\ & 1 / 6 \end{aligned}$ | $\begin{aligned} & \text { SE Pro } \\ & 1 / 10 \end{aligned}$ |
| :---: | :---: | :---: |
| Ref. | 410223 | 410243 |
| Torque at rated load Nm | 6 | 10 |
| Effective shutter weight (kg) at shutter height of 1.5 m | 14 | 25 |
| Effective shutter weight (kg) at shutter height of 2.5 m | 11 | 20 |
| Shaft type | SW 40 | SW 40 |
| Pulling force N | 270 | 450 |
| Rotation speed rpm | 15 | 15 |
| Power rating W | 115 | 115 |
| Current consumption A | 0,5 | 0,5 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range $U$ | - | - |
| Outer diameter mm | 35 | 35 |
| Cable length $m$ | 3 | 3 |
| Length L 1 mm | 508 | 508 |
| Length L2 mm $\quad \stackrel{L 2}{ }$ | 494 | 494 |
| Length of square fixing pivot mm | 12 | 12 |


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Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm <br> Octagonal steel shaft 70 | 288020 | 288225 |
| Plug-in cable | 4-wire, PVC, white, 2,5 m | 290545 | 288305 |
|  | 4-wire, PVC, white, 5 m | 290548 |  |
|  | 4-wire, PVC, white, 10 m | 290549 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| $\begin{aligned} & \text { SE Pro } \\ & 2 / 6-S \end{aligned}$ | $\begin{aligned} & \text { SE Pro } \\ & 2 / 7 \end{aligned}$ | $\begin{gathered} \text { SE Pro } \\ 2 / 10 \end{gathered}$ | $\begin{gathered} \text { SE Pro } \\ 2 / 15 \end{gathered}$ | $\begin{aligned} & \text { SE Pro } \\ & 2 / 20 \end{aligned}$ | $\begin{gathered} \text { SE Pro } \\ 2 / 30 \end{gathered}$ | $\begin{aligned} & \text { SE Pro } \\ & 2 / 40 \end{aligned}$ | $\begin{aligned} & \text { SE Pro } \\ & 2 / 50 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 414100 | 412110 | 412130 | 412150 | 412170 | 412180 | 412190 | 412293 |
| 6 | 7 | 10 | 15 | 20 | 30 | 40 | 50 |
| 14 | 19 | 25 | 35 | 45 | 67 | 88 | 102 |
| 11 | 15 | 20 | 29 | 37 | 56 | 72 | 83 |
| SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 |
| 180 | 220 | 310 | 460 | 610 | 920 | 1230 | 1530 |
| 16 | 17 | 17 | 17 | 17 | 17 | 17 | 12 |
| 88 | 95 | 105 | 152 | 172 | 220 | 345 | 345 |
| 0.38 | 0.41 | 0.45 | 0.66 | 0.75 | 0.95 | 1.5 | 1.5 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE | CE |
| - | - | - | - | - | - | - | - |
| 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 399 | 505 | 505 | 530 | 545 | 565 | 566 | 564 |
| 383 | 488 | 488 | 513 | 528 | 548 | 549 | 548 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

* These information refer to the use in one-piece constructions.


## Roller shutter drives (radio) SE Pro-RC

NEW
in catalogue
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## The roller shutter drive with obstacle detection

Especially made for roller shutters, the SE Pro-RC drive combines all positive features of an easy assembly, comfort and maximal protection of the roller shutter installation in just one drive. The special motor head ensures an optimal sensibility in case that an obstacle is on the way of motion. SE Pro RC drives can be installed with normal safety and fixing springs.
When installed with blocking springs or burglar-proof fixations the manual setting of a lower end limit position is recommended. We recommend the use in one-piece constructions as only here the specified functions can fully be guaranteed. The parallel connection of several SE Pro-RC drives is possible. After setting the end limit positions an automatic rotation detection will occur. SE Pro-RC drives can be operated with commeo- or 40) and series 2 (from shaft 50). Series 1 SE Pro-RC drives are delivered with adapters (shaft 40) as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.

| Type | $\begin{aligned} & \text { SE Pro } \\ & 1 / 6-\mathrm{RC} \end{aligned}$ | $\begin{aligned} & \text { SE Pro } \\ & 1 / 10-\mathrm{RC} \end{aligned}$ |
| :---: | :---: | :---: |
| Ref. | 411223 | 411243 |
| Torque at rated load Nm | 6 | 10 |
| Effective shutter weight (kg) at shutter height of 1.5 m | 14 | 25 |
| Effective shutter weight (kg) at shutter height of 2.5 m | 11 | 20 |
| Shaft type | SW 40 | SW 40 |
| Pulling force N | 270 | 450 |
| Rotation speed rpm | 15 | 15 |
| Power rating W | 115 | 115 |
| Current consumption A | 0,5 | 0,5 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range $U$ | - | - |
| Outer diameter mm | 35 | 35 |
| Cable length $m$ | 3 | 3 |
| Length L 1 mm | 508 | 508 |
| Length L2 mm | 494 | 494 |
| Length of square fixing pivot mm | 12 | 12 |



## Advantages

- Automatic setting of the end limit positions: up-down-ready Sensible obstacle detection in the downwards direction
" Reverse function": Release of the obstacle
- Learning overload protection in upwards direction, freeze up protection
Soft approach against the box - Relief of upper end limit position
Good \& favourable: Installation with safety and fixing springs

[^1]Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm <br> Octagonal steel shaft 70 | 288020 | 288225 |
| Plug-in cable | 5-wire, PVC, white, 2.5 m | 290575 | 288305 |
|  | 5-wire, PVC, white, 5.0 m | 290578 |  |
|  | 5-wire, PVC, white, 10.0 m | 290579 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| $\begin{aligned} & \text { SE Pro } \\ & 2 / 7-R C \end{aligned}$ | $\left\lvert\, \begin{array}{c\|} \text { SE Pro } \\ 2 / 10-R C \end{array}\right.$ | $\begin{array}{c\|} \text { SE Pro } \\ 2 / 15-R C \end{array}$ | $\left\|\begin{array}{c} \text { SE Pro } \\ 2 / 20-R C \end{array}\right\|$ | $\left\lvert\, \begin{gathered} \text { SE Pro } \\ 2 / 30-R C \end{gathered}\right.$ | $\begin{array}{\|c\|} \hline \text { SE Pro } \\ 2 / 40-R C \end{array}$ | $\begin{gathered} \text { SE Pro } \\ 2 / 50-R C \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 413110 | 413130 | 413150 | 413170 | 413180 | 413190 | 413293 |
| 7 | 10 | 15 | 20 | 30 | 40 | 50 |
| 19 | 25 | 35 | 45 | 67 | 88 | 102 |
| 15 | 20 | 29 | 37 | 56 | 72 | 83 |
| SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 |
| 220 | 310 | 460 | 610 | 920 | 1230 | 1530 |
| 17 | 17 | 17 | 17 | 17 | 17 | 12 |
| 95 | 105 | 152 | 172 | 220 | 345 | 345 |
| 0.41 | 0.45 | 0.66 | 0.75 | 0.95 | 1.5 | 1.5 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE | CE |
| - | - | - | - | - | - | - |
| 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 505 | 505 | 530 | 545 | 565 | 566 | 564 |
| 488 | 488 | 513 | 528 | 548 | 549 | 548 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 |

The roller shutter drive with plug \& play adjustment of end positions

This plug \& play drive for roller shutters combines simple end limit setting, maximum system protection and the tight closing of the shutters. The drive SEE only has to be connected - it does not matter which end limit is approached first. After 3 learning cycles both end limit positions are guaranteed SEE drives must be installed with blocking springs or burglar proof fixations and need a fixed end limit on top. We recommend the use in one-piece constructions as only here the specified functions can fully be guaranteed. The parallel connection of various SEE drives is possible. Drives are available in series 1 (from shaft 40) and series 2 (from shaft 50) Series 1 SEE drives are delivered with adapters (shaft 40) as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.


Technical information of SEE drives*

## Advantages

- Plug \& Play setting of end limits - sequence does not matter!

Obstacle detection in
downward direction
"Reverse function": Release of the obstacle

- Learning overload protection in upwards direction, freeze up protection
- Soft approach against the box - Relief of the upper end limit position
Burglar prevention by installation of burglar-proof fixations $\square$ (旺 VII ล

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Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm <br> Octagonal steel shaft 70 | 288020 | 288225 |
| Plug-in cable | 4-wire, PVC, white, 2,5 m | 290545 | 288305 |
|  | 4-wire, PVC, white, 5 m | 290548 |  |
|  | 4-wire, PVC, white, 10 m | 290549 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| SEE | SEE | SEE | SEE | SEE |
| :---: | :---: | :---: | :---: | :---: |
| $2 / 7$ | $2 / 10$ | $2 / 15$ | $2 / 20$ | $2 / 30$ |
| 382320 | 382340 | 382350 | 382360 | 382370 |
| 7 | 10 | 15 | 20 | 30 |
| 19 | 25 | 35 | 45 | 67 |
| 15 | 20 | 29 | 37 | 56 |
| SW 60 | SW 60 | SW 60 | SW 60 | SW 60 |
| 220 | 310 | 460 | 610 | 920 |
| 17 | 17 | 17 | 17 | 17 |
| 95 | 105 | 152 | 172 | 220 |
| 0,41 | 0,45 | 0,66 | 0,75 | 0,95 |
| 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE |
| - | - | - | - | - |
| 45 | 45 | 45 | 45 | 45 |
| 0 | 0 | 0 | 0 | 0 |
| 497 | 497 | 522 | 537 | 557 |
| 481 | 481 | 521 | 30 | 541 |
| 12 | 12 | 12 | 12 | 12 |
|  |  |  |  |  |

## Roller shutter drives (radio) SEE-RC

NEW
in catalogue

The roller shutter drive with plug \& play adjustment of end positions

This plug \& play drive for roller shutters combines simple end limit setting, maximum system protection and the tight closing of the shutters. The drive SEE-RC only has to be connected - it does not matter which end limit is approached first. After 3 learning cycles both end limit positions are guaranteed. SEE-RC drives must be installed with blocking springs or burglar proof fixations and need a fixed end limit on top. We recommend the use in one-piece constructions as only here the specified functions can fully be guaranteed. The parallel connection of various SEE-RC drives is possible. SEERC drives can be operated with commeo- or iveo/intronic radio transmitters. Drives are available in series 1 (from shaft 40) and series 2 (from shaft 50). Series 1 SEE-RC drives are delivered with adapters (shaft 40) as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.


Technical information of SEE-RC drives*

## Advantages

- Plug \& Play-Einstellung der Endlagen - Reihenfolge egal - Obstacle detection in downwards direction
"Reverse function": Release of the obstacle
Learning overload protection in upwards direction, freeze up protection
- Soft approach against the box - Relief of the upper end limit position
Burglar prevention by installation of burglar-proof fixations

| SEE | SEE |
| :---: | :---: | :---: |
| 2/7-RC | $2 / 10-R C$ |
| 383320 | 383340 |
| 7 | 10 |
| 19 | 25 |
| 15 | 20 |
| SW 60 | SW 60 |
| 220 | 310 |
| 17 | 17 |
| 95 | 105 |
| 0.41 | 0.45 |
| 230 | 230 |
| 50 | 50 |
| 4 | 4 |
| IP 44 | IP 44 |
| CE, VDE | $C E, V D E$ |
| - | - |
| 45 | 45 |
| 0 | 0 |
| 497 | 497 |
| 481 | 481 |
| 12 | 12 |

Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm <br> Octagonal steel shaft 70 | 288020 | 288225 |
| Plug-in cable | 5-wire, PVC, white, 2.5 m | 290575 | 288305 |
|  | 5-wire, PVC, white, 5.0 m | 290578 |  |
|  | 5-wire, PVC, white, 10.0 m | 290579 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| SEE | SEE | SEE |
| :---: | :---: | :---: |
| $2 / 15-R C$ | $2 / 20-R C$ | $2 / 30-R C$ |
| 383350 | 383360 | 383370 |
| 15 | 20 | 30 |
| 35 | 45 | 67 |
| 29 | 37 | 56 |
| SW 60 | SW 60 | SW 60 |
| 460 | 610 | 920 |
| 17 | 17 | 17 |
| 152 | 172 | 220 |
| 0.66 | 0.75 | 0,95 |
| 230 | 230 | 230 |
| 50 | 50 | 50 |
| 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 |
| CE, VDE | CE, VDE | CE, VDE |
| - | - | - |
| 45 | 45 | 45 |
| 0 | 0 | 0 |
| 522 | 537 | 557 |
| 506 | 521 | 541 |
| 12 | 12 | 12 |
|  |  |  |

## Roller shutter drives with emergency operation SEE-NHK

NEW

The roller shutter drive with emergency operation

The drive SEE-NHK for roller shutters combines easy setting of end limit positions and maximum operating safety. Next to the thought out characteristics of the SEE drive (maximum construction protection and the tight closing of the construction) an operation with emergency hand crank is possible - e.g. in case of an emergency and power failure. After the SEE-NHK positions automatically. SEE-NHK drives have to be installed with blocking springs or burglar proof fixations and need a fixed end limit on top. The parallel connection of various SEE-NHK drives is possible.
Available in series 2 (from SW 50) up to 20 Nm included. For drives of series 2 adapters have to be ordered separately. Standard length of the fixed motor cable 3 m . Upon request deliverable with uni plug for an additional charge.

Advantages

- Great operating safety thanks to emergency hand crank, gear ratio 1:26
- Plug and Play: End limit position setting not necessary, also not necessary after emergency operation
-Small design (motor head and length of drive)
Obstacle detection in downwards direction
Learning overload protection in upwards direction, freeze on protection


Technical information of SEE-NHK drives*

| Type | $\begin{aligned} & \text { SEE } \\ & 2 / 7- \\ & \text { NHK } \end{aligned}$ | $\begin{aligned} & \text { SEE } \\ & 2 / 10- \\ & \text { NHK } \end{aligned}$ |
| :---: | :---: | :---: |
| Ref. | 384320 | 388243 |
| Torque at rated load Nm | 7 | 10 |
| Effective shutter weight (kg) at shutter height of 1.5 m | 19 | 25 |
| Effective shutter weight (kg) at shutter height of 2.5 m | 15 | 20 |
| Shaft type | SW 60 | SW 60 |
| Pulling force N | 220 | 310 |
| Rotation speed rpm | 17 | 17 |
| Power rating W | 95 | 105 |
| Current consumption A | 0,41 | 0,45 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range $U$ | - | - |
| Outer diameter mm | 45 | 45 |
| Cable length m L1 | 3 | 3 |
| Length L 1 mm - | 564 | 564 |
| Length L2 mm L2 | 539,5 | 539,5 |

* These information refer to the use in one-piece constructions.


Please order adapters separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 <br> Octagonal steel shaft 60, <br> up to 50 Nm <br> Octagonal steel shaft 70 | 288026 | 288219 |
|  | 288020 | 288225 |  |
| Mains supply line (for <br> drives with Uni-plug) | 4-wire, PVC, white, 3.3 m | 2901468305 |  |
|  | 4-wire, PVC, white, 5.3 m | 290148 |  |

The entire range of adapters can be found from page 56 onwards.
The article numbers below contain a 3 m long fixed cable.

SELVE
Engineering in motion

| SEE | SEE |
| :---: | :---: |
| 2/15- | $2 / 20-$ |
| NHK | NHK |
| 388253 | 388263 |
| 15 | 20 |
| 35 | 45 |
| 29 | 37 |
| SW 60 | SW 60 |
| 460 | 610 |
| 17 | 17 |
| 152 | 172 |
| 0,66 | 0,75 |
| 230 | 230 |
| 50 | 50 |
| 4 | 4 |
| IP 44 | IP 44 |
| $C E$ | $C E$ |
| - | - |
| 45 | 45 |
| 3 | 3 |
| 589 | 604 |
| 564,5 | 579,5 |

## Universal drives SE Plus

GR 1 and GR 2

## The universal drive for many applications

Regardless of whether you have roller shutters, folding arm awnings, screens, winter garden shading or interior blinds - the SE Plus drive is th Screens, winter garden shading or interior blinds - the SE Plus drive is the
all-rounder among the drives. All standard advantages of SELVE drives with electronic shut-off system can be found in this drive type. The parallel connection of several SE Plus drives is possible. After setting the end limit positions an automatic rotation detection will occur. Drives are available in series 1 (from shaft 40 , shaft with $\varnothing 40 \mathrm{~mm}$ ) and series 2 (from shaft 50 , shaft with $\varnothing 50 \mathrm{~mm}$ ) and series 3 (from shaft 70 , shaft with $\varnothing 70 \mathrm{~mm}$ ).
SE Plus drives of series 1 (shaft 40) and series 3 (shaft 70) are delivered with adapters as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.

## Advantages

- Setting of the end limits "point to upper end limit" or "point to point"
End limits can be adjusted individually
No upper end limit necessary at exact positioned shut-off
Learning overload protection in upwards direction, freeze up protection
Relief of the upper end limit position
-Suitable for many types of products

Technical information of SE Plus drives*


| Type | SE Plus 1/4 | SE Plus 1/6 |
| :---: | :---: | :---: |
| Ref. | 380113 | 380123 |
| Torque at rated load Nm | 4 | 6 |
| Effective shutter weight (kg) at shutter height of 1.5 m | 10 | 14 |
| Effective shutter weight ( kg ) at shutter height of 2.5 m | 8 | 11 |
| Shaft type | SW 40 | SW 40 |
| Pulling force N | 180 | 270 |
| Rotation speed rpm | 30 | 15 |
| Power rating W | 115 | 115 |
| Current consumption A | 0,5 | 0,5 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range $U$ | - | - |
| Outer diameter mm | 35 | 35 |
| Cable length m | 3 | 3 |
| Length L 1 mm | 508 | 508 |
| Length L2 mm | 494 | 494 |
| Length of square fixing pivot mm | 12 | 12 |

* These information refer to the use in one-piece constructions. $\square$ (胞 IIII ล

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| Designation | Article no. crown | Article no. coupling |  |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm | 288020 | 288225 |
| Octagonal steel shaft 70 | 288024 | 288305 |  |
| Plug-in cable | 4-wire, PVC, white, 2,5 m | 290545 |  |
|  | 4-wire, PVC, white, 5 m | 290548 |  |
|  | 4-wire, PVC, white, 10 m | 290549 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| $\begin{gathered} \text { SE Plus } \\ 1 / 7 \end{gathered}$ | $\begin{array}{\|c\|c\|} \hline \text { SE Plus } \\ 1 / 10 \end{array}$ | $\begin{array}{\|c} \text { SE Plus } \\ 2 / 7 \end{array}$ | SE Plus 2/10 | $\begin{gathered} \text { SE Plus } \\ 2 / 15 \end{gathered}$ | $\begin{array}{\|c\|c\|c\|} \hline \text { SE Plus } \\ 2 / 20 \end{array}$ | $\begin{aligned} & \text { SE Plus } \\ & 2 / 30 \end{aligned}$ | $\begin{gathered} \text { SE Plus } \\ 2 / 40 \end{gathered}$ | $\begin{gathered} \text { SE Plus } \\ 2 / 50 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 380133 | 380143 | 382020 | 382040 | 382050 | 382060 | 382070 | 382080 | 382190 |
| 7 | 10 | 7 | 10 | 15 | 20 | 30 | 40 | 50 |
| 14 | 25 | 19 | 25 | 35 | 45 | 67 | 88 | 102 |
| 11 | 20 | 15 | 20 | 29 | 37 | 56 | 72 | 83 |
| SW 40 | SW 40 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 |
| 270 | 450 | 220 | 310 | 460 | 610 | 920 | 1230 | 1530 |
| 20 | 15 | 17 | 17 | 17 | 17 | 17 | 17 | 12 |
| 115 | 115 | 95 | 105 | 152 | 172 | 220 | 345 | 345 |
| 0,5 | 0,5 | 0.41 | 0.45 | 0.66 | 0.75 | 0.95 | 1.5 | 1.5 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE | CE |
| - | - | - | - | - | - | - | - | - |
| 35 | 35 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 3 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| 508 | 508 | 497 | 497 | 522 | 537 | 557 | 559 | 559 |
| 494 | 494 | 481 | 481 | 506 | 521 | 541 | 542 | 542 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

## Universal drives SE Plus

GR 3

## The universal drive for many applications

Regardless of whether you have roller shutters, folding arm awnings, screens, winter garden shading or interior blinds - the SE Plus drive is the Screens, winter garden shading or interior blinds - the SE Plus drive is the
all-rounder among the drives. All standard advantages of SELVE drives with electronic shut-off system can be found in this drive type.
The parallel connection of several SE Plus drives is possible. After setting the end limit positions an automatic rotation detection will occur.
Drives are available in series 1 (from shaft 40 , shaft with $\varnothing 40 \mathrm{~mm}$ ) and series 2 (from shaft 50 , shaft with $\varnothing 50 \mathrm{~mm}$ ) and series 3 (from shaft 70 , shaft with $\varnothing 70 \mathrm{~mm}$ ).
SE Plus drives of series 1 (shaft 40) and series 3 (shaft 70) are delivered with adapters as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.

Advantages

- Setting of the end limits "point to upper end limit" or "point to point"
End limits can be adjusted individually
No upper end limit necessary at exact positioned shut-off
Learning overload protection in upwards direction, freeze up protection
Relief of the upper end limit position
- Suitable for many types of products
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SELVE
Engineering in motion


| Type | SE Plus 3/50 | SE Plus 3/60 |
| :---: | :---: | :---: |
| Ref. | 386013 | 386123 |
| Torque at rated load Nm | 50 | 60 |
| Effective shutter weight (kg) at shutter height of 1.5 m | 99 | 116 |
| Effective shutter weight (kg) at shutter height of 2.5 m | 81 | 100 |
| Shaft type | SW 70 | SW 70 |
| Pulling force $N$ | 1330 | 1600 |
| Rotation speed rpm | 17 | 12 |
| Power rating W | 315 | 245 |
| Current consumption A | 1.4 | 1.1 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range $U$ | - | - |
| Outer diameter mm | 58 | 58 |
| Cable length m | 3 | 3 |
| Length L 1 mm | 580 | 560 |
| Length L2 mm | 560 | 540 |
| Length of square fixing pivot mm | 22 | 22 |

Please order adapters separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 3 | Octagonal steel shaft 70 | 288100 | 288305 |
|  | Hexagonal steel shaft B 75 | 288102 | 288103 |
|  | Octagonal steel shaft 102 | 288132 | 288133 |
|  | Octagonal steel shaft 114 | 288202 | 288203 |
|  | Round tube $102 \times 2.5$ | 288134 | 288135 |
|  | Round tube $105 \times 2.5$ | 288138 | 288139 |

The entire range of adapters can be found from page 56 onwards.

| SE Plus <br> $3 / 70$ | SE Plus <br> $3 / 80$ | SE Plus <br> 386033 |
| :---: | :---: | :---: |
| 386143 | 386153 |  |
| 70 | 80 | 120 |
| 135 | 154 | 232 |
| 116 | 130 | 200 |
| SW 70 | SW 70 | SW 70 |
| 1860 | 2130 | 3200 |
| 17 | 12 | 11 |
| 435 | 322 | 435 |
| 1.9 | 1.4 | 1.9 |
| 230 | 230 | 230 |
| 50 | 50 | 50 |
| 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 |
| CE | CE | CE |
| - | - | - |
| 58 | 58 | 58 |
| 3 | 3 | 3 |
| 610 | 580 | 610 |
| 590 | 560 | 590 |
| 22 | 22 | 22 |
|  |  |  |

* These information refer to the use in one-piece constructions.


## Universal drives (radio) SE Plus-RC

GR 1 and GR 2

## The universal drive for many applications

Regardless of whether you have roller shutters, folding arm awnings, screens, winter garden shading or interior blinds - the SE Plus drive is the Screens, winter garden shading or interior blinds - the SE Plus drive is the
all-rounder among the drives. All standard advantages of SELVE drives with electronic shut-off system can be found in this drive type. The parallel connection of several SE Plus drives is possible. After setting the end limit positions an automatic rotation detection will occur. SE Plus-RC drives can be operated with commeo or iveo/intronic radio transmitters.
Drives are available in series 1 (from shaft 40 , shaft with $\varnothing 40 \mathrm{~mm}$ ) and series 2 (from shaft 50 , shaft with $\varnothing 50 \mathrm{~mm}$ ) and series 3 (from shaft 70 , shaft with $\varnothing 70 \mathrm{~mm}$ ).
SE Plus drives of series 1 (shaft 40) and series 3 (shaft 70) are delivered with adapters as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.

## Advantages

- Setting of the end limits "point to upper end limit" or "point to point"
- Endpunkte einzeln nachstellbar - No upper end limit necessary at exact positioned shut-off Learning overload protection in upwards direction, freeze up protection
- Relief of the upper end limit position
- Suitable for many types of products

| Type | $\begin{aligned} & \text { SE Plus } \\ & 1 / 4-R C \end{aligned}$ | $\begin{aligned} & \text { SE Plus } \\ & 1 / 6-\text { RC } \end{aligned}$ |
| :---: | :---: | :---: |
| Ref. | 381113 | 381123 |
| Torque at rated load Nm | 4 | 6 |
| Effective shutter weight (kg) at shutter height of 1.5 m | 10 | 14 |
| Effective shutter weight (kg) at shutter height of 2.5 m | 8 | 11 |
| Shaft type | SW 40 | SW 40 |
| Pulling force N | 180 | 270 |
| Rotation speed rpm | 30 | 15 |
| Power rating W | 115 | 115 |
| Current consumption A | 0,5 | 0,5 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range $U$ | - | - |
| Outer diameter mm | 35 | 35 |
| Cable length m | 3 | 3 |
| Length L 1 mm | 508 | 508 |
| Length L2 mm | 494 | 494 |
| Length of square fixing pivot mm | 12 | 12 |

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Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm <br> Octagonal steel shaft 70 | 288020 | 288225 |
| Plug-in cable | 5-wire, PVC, white, 2.5 m | 290575 | 288305 |
|  | 5-wire, PVC, white, 5.0 m | 290578 |  |
|  | 5-wire, PVC, white, 10.0 m | 290579 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| SE Plus $1 / 7-R C$ | $\begin{array}{\|l\|} \text { SE Plus } \\ 1 / 10-R C \end{array}$ | SE Plus 2/7-RC | $\begin{array}{\|l} \text { SE Plus } \\ 2 / 10-R C \end{array}$ | $\begin{array}{\|l} \text { SE Plus } \\ 2 / 15-R C \end{array}$ | $\begin{array}{\|l\|} \text { SE Plus } \\ 2 / 20-R C \end{array}$ | $\begin{aligned} & \text { SE Plus } \\ & 2 / 30-R C \end{aligned}$ | $\begin{aligned} & \text { SE Plus } \\ & 2 / 40-R C \end{aligned}$ | $\begin{array}{\|l\|l} \text { SE Plus } \\ 2 / 50-R C \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 381133 | 381143 | 383020 | 383040 | 383050 | 383060 | 383070 | 383080 | 383190 |
| 7 | 10 | 7 | 10 | 15 | 20 | 30 | 40 | 50 |
| 17 | 25 | 19 | 25 | 35 | 45 | 67 | 88 | 102 |
| 14 | 20 | 15 | 20 | 29 | 37 | 56 | 72 | 83 |
| SW 40 | SW 40 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 |
| 320 | 450 | 220 | 310 | 460 | 610 | 920 | 1230 | 1530 |
| 20 | 15 | 17 | 17 | 17 | 17 | 17 | 17 | 12 |
| 115 | 115 | 95 | 105 | 152 | 172 | 220 | 345 | 345 |
| 0,5 | 0,5 | 0.41 | 0.45 | 0.66 | 0.75 | 0.95 | 1.5 | 1.5 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE | CE |
| - | - | - | - | - | - | - | - | - |
| 35 | 35 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 508 | 508 | 497 | 497 | 522 | 537 | 557 | 559 | 559 |
| 494 | 494 | 481 | 481 | 506 | 521 | 541 | 542 | 542 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

* These information refer to the use in one-piece constructions.


## Universal drives (radio) SE Plus-RC GR 3

## The universal drive for many applications

Regardless of whether you have roller shutters, folding arm awnings, screens, winter garden shading or interior blinds - the SE Plus drive is the Screens, winter garden shading or interior blinds - the SE Plus drive is the
all-rounder among the drives. All standard advantages of SELVE drives with electronic shut-off system can be found in this drive type.
The parallel connection of several SE Plus drives is possible. After setting the end limit positions an automatic rotation detection will occur. SE Plus-RC drives can be operated with commeo or iveo/intronic radio transmitters
Drives are available in series 1 (from shaft 40 , shaft with $\varnothing 40 \mathrm{~mm}$ ) and series 2 (from shaft 50 , shaft with $\varnothing 50 \mathrm{~mm}$ ) and series 3 (from shaft 70 , shaft with $\varnothing 70 \mathrm{~mm}$ ).
SE Plus drives of series 1 (shaft 40) and series 3 (shaft 70) are delivered with adapters as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.

Advantages

- Setting of the end limits "point to upper end limit" or "point to point"
Endpunkte einzeln nachstellbar - No upper end limit necessary at exact positioned shut-off
Learning overload protection in upwards direction, freeze up protection
- Relief of the upper end limit position
- Suitable for many types o products



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Engineering in motion

Please order adapters separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 3 | Octagonal steel shaft 70 | 288100 | 288305 |
|  | Hexagonal steel shaft B 75 | 288102 | 288103 |
|  | Octagonal steel shaft 102 | 288132 | 288133 |
|  | Octagonal steel shaft 114 | 288202 | 288203 |
|  | Round tube $102 \times 2.5$ | 288134 | 288135 |
|  | Round tube $105 \times 2.5$ | 288138 | 288139 |

The entire range of adapters can be found from page 56 onwards.

| SE Plus |  |  |
| :---: | :---: | :---: |
| 3/70-RC | SE Plus | SE Plus |
| 387033 | 387143 | $3 / 120-$ RC |
| 8153 |  |  |
| 70 | 80 | 120 |
| 135 | 154 | 232 |
| 116 | 130 | 200 |
| SW 70 | SW 70 | SW 70 |
| 1860 | 2130 | 3200 |
| 17 | 12 | 11 |
| 435 | 322 | 435 |
| 1.9 | 1.4 | 1.9 |
| 230 | 230 | 230 |
| 50 | 50 | 50 |
| 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 |
| CE | CE | CE |
| - | - | - |
| 58 | 58 | 58 |
| 3 | 3 | 3 |
| 610 | 580 | 610 |
| 590 | 560 | 590 |
| 22 | 22 | 22 |

SELVE
Engineering in motion

## The drive especially for Zip-screens

The protection of high-quality Zip-screens is what the SEZ drive focuses on. Many clever functions were combined in this drive so that for example briefly occurring wind gusts can be distinguished from real obstacles.

SEZ drives are available with different motor head shapes and different basic crown diameters. The parallel connection of several SEZ drives is possible. After setting the end limit positions an automatic rotation detection will occur.
Drives are available in series 1 (from shaft with $\varnothing 40 \mathrm{~mm}$ ) and series 2 (from shaft with $\varnothing 50 \mathrm{~mm}$ ). SEZ drives are dispatched without adapters. The adapters and the plug-in connecting cables for series 2 drives need to be ordered separately.

Advantages

- Automatic setting of the end limit positions: up-down-ready - Sensitive obstacle detection in downward direction: moves three times
Detection of wind gusts in upwards direction, freeze up protection
- Soft approach against the zipscreen box
Minimal relief of the upper end limit position
- Guarantees safe retracting in case of wind alarm and central motion commands

Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :--- | :---: |
| Adapters for series 2 | Grooved tube $63 \times 1$ |  | 288019 |
|  | Grooved tube $70 \times 1$ |  |  |
| Grooved tube $78 \times$ |  |  |  |
| $1.0 / 1.25$ |  |  |  |
| Grooved tube $85 \times 1.25$ | Crown adapters <br> should be reques- <br> ted separately. | 288015 |  |
| Plug-in cable | 4-wire, rubber, 3 m | 290556 | 288123 |
|  | 4-wire, rubber, 5 m | 290558 |  |
|  | 4-wire, rubber, 10 m | 290559 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82

| SEZ | SEZ | SEZ | SEZ | SEZ | SEZ | SEZ | SEZ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1 / 10$ | $2 / 6-S$ | $2 / 7$ | $2 / 10$ | $2 / 15$ | $2 / 20$ | $2 / 30$ | $2 / 40$ |
| 310643 | 316301 | 312311 | 312331 | 312351 | 312371 | 312381 | 312391 |
| 10 | 7 | 7 | 10 | 15 | 20 | 30 | 40 |
| 450 | 180 | 220 | 310 | 460 | 610 | 920 | 1230 |
| 15 | 16 | 17 | 17 | 17 | 17 | 17 | 17 |
| 115 | 88 | 95 | 105 | 152 | 172 | 220 | 345 |
| 0,5 | 0,38 | 0.41 | 0.45 | 0.66 | 0.75 | 0.95 | 1.5 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE |
| - | - | - | - | - | - | - | - |
| 35 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 508 | 454 | 505 | 505 | 530 | 545 | 565 | 566 |
| 494 | 438 | 488 | 488 | 513 | 528 | 548 | 549 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

## Advantages

- Automatic setting of the end limit positions: up-down-ready! - Sensible obstacle detection in the downwards direction dreimaliges Anfahren
- Detection of wind gusts in upwards direction, freeze up protection
-Soft approach against the zipscreen box
Minimal relief of the upper end limit position
- Guarantees safe retracting in case of wind alarm and central motion commands
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Engineering in motion


## The drive especially for Zip-screens

The protection of high-quality Zip-screens is what the SEZ-RC drive focuses on. Many clever functions were combined in this drive so that for example briefly occurring wind gusts can be distinguished from real obstacles.

SEZ-RC drives are available with different motor head shapes and different basic crown diameters. The parallel connection of several SEZ-RC drives is possible. After setting the end limit positions an automatic rotation detection will occur. SEZ-RC drives can be operated with commeo- or iveo/ intronic radio transmitters.

Drives are available in series 1 (from shaft with $\emptyset 40 \mathrm{~mm}$ ) and series 2 (from shaft with $\varnothing 50 \mathrm{~mm}$ ). SEZ-RC drives are dispatched without adapters. The adapters and the plug-in connecting cables for series 2 drives need to be ordered separately.

Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Grooved tube $63 \times 1$ |  | 288019 |
|  | Grooved tube $70 \times 1$ | Crown adapters <br> should be reques- <br> ted separately. | 288015 |
|  | Grooved tube $78 \times$ <br> $1.0 / 1.25$ <br> Grooved tube $85 \times 1.25$ | 288123 |  |
| Plug-in cable | 5-wire, rubber, 3.0 m | 290586 |  |
|  | 5-wire, rubber, 5.0 m | 290588 |  |
|  | 5-wire, rubber, 10.0 m | 290589 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| $\begin{gathered} \text { SEZ } \\ 1 / 10-R C \end{gathered}$ | $\begin{gathered} \text { SEZ } \\ 2 / 7-R C \end{gathered}$ | $\left\|\begin{array}{c} S E Z \\ 2 / 10-R C \end{array}\right\|$ | $\left\|\begin{array}{c} S E Z \\ 2 / 15-R C \end{array}\right\|$ | $\left\|\begin{array}{c} \text { SEZ } \\ 2 / 20-R C \end{array}\right\|$ | $\left\|\begin{array}{c} \text { SEZ } \\ 2 / 30-R C \end{array}\right\|$ | $\left\|\begin{array}{c} S E Z \\ 2 / 40-R C \end{array}\right\|$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 311643 | 313311 | 313331 | 313351 | 313371 | 313381 | 313391 |
| 10 | 7 | 10 | 15 | 20 | 30 | 40 |
| 450 | 220 | 310 | 460 | 610 | 920 | 1230 |
| 15 | 17 | 17 | 17 | 17 | 17 | 17 |
| 115 | 95 | 105 | 152 | 172 | 220 | 345 |
| 0,5 | 0.41 | 0.45 | 0.66 | 0.75 | 0.95 | 1.5 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE |
| - | - | - | - | - | - | - |
| 35 | 45 | 45 | 45 | 45 | 45 | 45 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 508 | 505 | 505 | 530 | 545 | 565 | 566 |
| 494 | 488 | 488 | 513 | 528 | 548 | 549 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 |

## Awning drives SEM Plus

## The drive especially for folding arm awnings

The SEM Plus drive is exactly adapted to the specificities of folding arm awnings. Depending on the requirement the awning will be tightly closed or a short release will be executed. A with time arising fabric extension will be recognized and compensated.

The parallel connection of several SEM Plus drives is possible. After setting the end limit positions an automatic rotation detection will occur.
Drives are available in series 2 (from shaft with $\emptyset 50 \mathrm{~mm}$ ) and series 3 (from shaft with $\varnothing 70 \mathrm{~mm}$ ). SEM Plus drives are dispatched without adapters. The adapters and the plug-in connecting cables for series 2 drives need to be ordered separately.

## Advantages

- Tight closing of the cassette of a closed folding arm awning Relief of the upper end limit position of an opened folding arm awning
No readjustment in case of fabric extension necessary

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| Type | SEM Plus <br> $2 / 7$ | $\begin{gathered} \text { SEM Plus } \\ 2 / 10 \end{gathered}$ |
| :---: | :---: | :---: |
| Ref. | 382820 | 382840 |
| Torque at rated load Nm | 7 | 10 |
| Pulling force $N$ | 220 | 310 |
| Rotation speed rpm | 17 | 17 |
| Power rating W | 95 | 105 |
| Current consumption A | 0.41 | 0.45 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE, VDE | CE, VDE |
| Limit switch range U | - | - |
| Outer diameter mm | 45 | 45 |
| Cable length $m$ | 0 | 0 |
| Length L 1 mm | 497 | 497 |
| Length L2 mm | 481 | 481 |
| Length of square fixing piv | 12 | 12 |

Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Grooved tube $63 \times 1$ | 288018 | 288019 |
|  | Grooved tube $70 \times 1$ | 288014 | 288015 |
|  | Grooved tube $78 \times$ <br> $1.0 / 1.25$ <br> Grooved tube $85 \times 1.25$ | 288016 | 288121 |
| Plug-in cable | 4-wire, rubber, 3 m | 290556 | 288123 |
|  | 4-wire, rubber, 5 m | 290558 |  |
|  | 4-wire, rubber, 10 m | 290559 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| $\begin{gathered} \text { SEM Plus } \\ 2 / 15 \end{gathered}$ | $\begin{gathered} \text { SEM Plus } \\ 2 / 20 \end{gathered}$ | \|cem Plus | \|cem Plus | $\begin{array}{\|c} \text { SEM Plus } \\ 2 / 50 \end{array}$ | $\begin{gathered} \text { SEM Plus } \\ 3 / 50 \end{gathered}$ | $\begin{aligned} & \text { SEM Plus } \\ & 3 / 70 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 382850 | 382860 | 382870 | 382880 | 382990 | 386813 | 386833 |
| 15 | 20 | 30 | 40 | 50 | 50 | 70 |
| 460 | 610 | 920 | 1230 | 1530 | 1330 | 1860 |
| 17 | 17 | 17 | 17 | 12 | 17 | 17 |
| 152 | 172 | 220 | 345 | 345 | 315 | 435 |
| 0.66 | 0.75 | 0.95 | 1.5 | 1.5 | 1,4 | 1.9 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE, VDE | CE, VDE | CE, VDE | CE | CE | CE | CE |
| - | - | - | - | - | - | - |
| 45 | 45 | 45 | 45 | 45 | 58 | 58 |
| 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| 522 | 537 | 557 | 559 | 559 | 580 | 610 |
| 506 | 521 | 541 | 542 | 542 | 560 | 590 |
| 12 | 12 | 12 | 12 | 12 | 22 | 22 |

## Awning drives (radio) SEM Plus-RC

## The drive especially for folding arm awnings

The SEM Plus-RC drive is exactly adapted to the specificities of folding arm awnings. Depending on the requirement the awning will be tightly closed or a relief run will be executed. A with time arising fabric extension will be recognized and compensated.

The parallel connection of several SEM Plus-RC drives is possible. After setting the end limit positions an automatic rotation detection will occur SEM Plus-RC drives can be operated with commeo- or iveo/intronic radio transmitters.

Drives are available in series 2 (from shaft with $\emptyset 50 \mathrm{~mm}$ ) and series 3 (from shaft with $\varnothing 70 \mathrm{~mm}$ ). SEM Plus-RC drives are dispatched without adapters. The adapters and the plug-in connecting cables for series 2 drives need to be ordered separately.

## Advantages

- Tight closing of the cassette of a closed folding arm awning
Relief of the upper end limit position of an opened folding arm awning
No readjustment in case of fabric extension necessary


| Type | $\begin{gathered} \text { SEM Plus } \\ 2 / 7-R C \end{gathered}$ | $\left\lvert\, \begin{gathered} \text { SEM Plus } \\ 2 / 10-R C \end{gathered}\right.$ |
| :---: | :---: | :---: |
| Ref. | 383820 | 383840 |
| Torque at rated load Nm | 7 | 10 |
| Pulling force N | 220 | 310 |
| Rotation speed rpm | 17 | 17 |
| Power rating W | 95 | 105 |
| Current consumption A | 0.41 | 0.45 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE, VDE | CE, VDE |
| Limit switch range $U$ | - | - |
| Outer diameter mm | 45 | 45 |
| Cable length m | 0 | 0 |
| Length L 1 mm | 497 | 497 |
| Length L2 mm | 481 | 481 |
| Length of square fixing pivot mm | 12 | 12 |

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Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Grooved tube $63 \times 1$ | 288018 | 288019 |
|  | Grooved tube $70 \times 1$ | 288014 | 288015 |
|  | Grooved tube $78 \times$ | 288016 | 288121 |
|  | Grooved tube $85 \times 1.25$ | 288208 | 288123 |
| Plug-in cable | 5-wire, rubber, 3.0 m | 290586 |  |
|  | 5-wire, rubber, 5.0 m | 290588 |  |
|  | 5-wire, rubber, 10.0 m | 290589 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| SEM Plus | SEM Plus |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2/15-RC | SEM Plus | SEM Plus | SEM Plus | SEM Plus | SEM Plus |  |
| 383850 | 383860 | 383870 | 383880 | 383990 | 387913 | 387933 |
| 15 | 20 | 30 | 40 | 50 | 50 | 70 |
| 460 | 610 | 920 | 1230 | 1530 | 1330 | 1860 |
| 17 | 17 | 17 | 17 | 12 | 17 | 17 |
| 152 | 172 | 220 | 345 | 345 | 315 | 435 |
| 0.66 | 0.75 | 0.95 | 1.5 | 1.5 | 1.4 | 1.9 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE, VDE | CE, VDE | CE, VDE | CE | CE | CE | CE |
| - | - | - | - | - | - | - |
| 45 | 45 | 45 | 45 | 45 | 58 | 58 |
| 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| 522 | 537 | 557 | 559 | 559 | 580 | 610 |
| 506 | 521 | 541 | 542 | 542 | 560 | 590 |
| 12 | 12 | 12 | 12 | 12 | 22 | 22 |

## Drives with integrated SMI technology SE Plus-SMI

Advantages

- Usable for roller shutters, all types of awnings, (Zip) screens and
- Individual drive ID enables
the single control at paralle the single control at parallel connection
Feedback of every drive (e.g.
position request) position request)
- High precision at the positioning
- Parameter adjustment for the construction optimization or installation (by SMI) - Several diagnose functions


## The drive for building automation with bus

 technologySMI stands for "Standard Motor Interface" - a manufacturer spanning, consistent interface for building automation. The drives with integrated SMI technology are easy to install and can be included into a variaty of bu systems.
The SMI drives are available in the drive variants SE Plus (see table below) SE Pro and SEZ (on request), therefore they can be used in almost all types The parallical cons.
end limit positionstion of up to 16 SMI drives is possible. After setting the Drives are available antomatic rotation detection will occur mm ) and series 3 (from shaft 70 mm ). SMI drives are dispatched without adapters. The adapters and the plug-in connecting cables ( 5 -wire) need to be ordered separately.

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Technical information of SE Plus-SMI drives*

$\left.$| Type |
| :--- |
| Ref. |
| Torque at rated load Nm SE Plus |
| $1 / 4-$ |
| SMI | | SE Plus |
| :---: |
| $1 / 7-$ |
| SMI | \right\rvert\,


| Designation | Article no. crown | Article no. coupling |  |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 <br> Octagonal steel shaft 60, <br> up to 50 Nm <br> Octagonal steel shaft 70 | 288026 | 288219 |
| Plug-in cable | 5-wire, PVC, white, 2.5 m | 298020 | 288225 |
|  | 5-wire, PVC, white, 5.0 m | 290578 | 288305 |
|  | 5-wire, PVC, white, 10.0 m | 290579 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| SE Plus 1/10SMI | $\begin{array}{\|c\|c\|} \text { SE Plus } \\ 2 / 7- \\ \text { SMI } \end{array}$ | SE Plus 2/10SMI | $\begin{aligned} & \text { SE Plus } \\ & \text { 2/15- } \\ & \text { SMI } \end{aligned}$ | $\begin{aligned} & \text { SE Plus } \\ & \text { 2/20- } \\ & \text { SMI } \end{aligned}$ | $\begin{aligned} & \text { SE Plus } \\ & 2 / 30- \end{aligned}$ SMI | SE Plus 2/40SMI | SE Plus 3/50SMI | SE Plus 3/70SMI | $\begin{array}{\|c\|} \text { SE Plus } \\ 3 / 120- \\ \text { SMI } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 385013 | 385020 | 385040 | 385050 | 385060 | 385070 | 385080 | 388013 | 388023 | 388143 |
| 10 | 7 | 10 | 15 | 20 | 30 | 40 | 50 | 70 | 120 |
| 25 | 19 | 25 | 35 | 45 | 67 | 88 | 99 | 135 | 232 |
| 20 | 15 | 20 | 29 | 37 | 56 | 72 | 81 | 116 | 200 |
| SW 40 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 70 | SW 70 | SW 70 |
| 450 | 220 | 310 | 460 | 610 | 920 | 1230 | 1330 | 1860 | 3200 |
| 15 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 11 |
| 115 | 95 | 105 | 152 | 172 | 220 | 345 | 315 | 435 | 435 |
| 0,5 | 0.41 | 0.45 | 0.66 | 0.75 | 0.95 | 1,5 | 1,4 | 1,9 | 1,9 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE | CE | CE | CE | CE | CE | CE | CE | CE |
| - | - | - | - | - | - | - | - | - | - |
| 35 | 45 | 45 | 45 | 45 | 45 | 45 | 58 | 58 | 58 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 |
| 508 | 497 | 497 | 522 | 537 | 557 | 559 | 580 | 610 | 610 |
| 494 | 481 | 481 | 506 | 521 | 541 | 542 | 560 | 590 | 590 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 22 | 22 | 22 |

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## Drives with rotation speed 28 rpm

## The fast drive for all textile screens

Some drive types are available with fast rotation speed 28 rpm and are particularly suitable for the use in connection with textile screens. The individual functions can be found on the pages of the respective drive types.

Drives are available in series 2 (from shaft with $\varnothing 50 \mathrm{~mm}$ ). Drives with 28 rpm are dispatched without adapters. The adapters and the plug-in connecting cables for series 2 need to be ordered separately.

Advantages

- Fast rotation speed for the use of small roller shafts and in connection with textile screens - Shorter running time between the two end limit positions Available in 3 different drive types with individual functions

| Type | $\begin{array}{\|c\|c\|} \hline \text { SE Plus } \\ 2 / 6 \end{array}$ | $\begin{array}{\|c} \text { SE Plus } \\ 2 / 9 \end{array}$ |
| :---: | :---: | :---: |
| Ref. | 388710 | 388730 |
| Torque at rated load Nm | 6 | 9 |
| Effective shutter weight (kg) at shutter height of 1.5 m | 14 | 22 |
| Effective shutter weight (kg) at shutter height of 2.5 m | 11 | 18 |
| Shaft type | SW 60 | SW 60 |
| Pulling force N | 180 | 280 |
| Rotation speed rpm | 28 | 28 |
| Power rating W | 105 | 152 |
| Current consumption A | 0,45 | 0,66 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range U | - | - |
| Outer diameter mm | 45 | 45 |
| Cable length m | 0 | 0 |
| Length L1 mm L1 | 497 | 522 |
| Length L2 mm | 481 | 506 |
| Length of square fixing pivot mm | 12 | 12 |

* These information refer to the use in one-piece constructions.


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Please order adapters and connecting cables separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm <br> Octagonal steel shaft 70 | 288020 | 288225 |
| Plug-in cable | 4-wire, rubber, 3 m | 290556 | 288305 |
|  | 4-wire, rubber, 5 m | 290558 |  |
|  | 4-wire, rubber, 10 m | 290559 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| $\begin{gathered} \text { SE Plus } \\ 2 / 12 \end{gathered}$ | $\begin{aligned} & \text { SE Plus } \\ & 2 / 18 \end{aligned}$ | $\begin{aligned} & \text { SEZ } \\ & 2 / 6 \end{aligned}$ | $\begin{aligned} & \text { SEZ } \\ & 2 / 9 \end{aligned}$ | $\begin{aligned} & \text { SEZ } \\ & 2 / 12 \end{aligned}$ | $\begin{gathered} \text { SEZ } \\ 2 / 18 \end{gathered}$ | $\begin{aligned} & \text { SP } \\ & 2 / 6 \end{aligned}$ | $\begin{aligned} & \text { SP } \\ & \text { 2/9 } \end{aligned}$ | $\begin{gathered} \text { SP } \\ 2 / 12 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 2 / 18 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 388740 | 388760 | 312510 | 312530 | 312550 | 312570 | 352710 | 352720 | 352730 | 352750 |
| 12 | 18 | 6 | 9 | 12 | 18 | 6 | 9 | 12 | 18 |
| 29 | 40 | 14 | 22 | 29 | 40 | 14 | 22 | 29 | 40 |
| 23 | 32 | 11 | 18 | 23 | 32 | 11 | 18 | 23 | 32 |
| SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 |
| 370 | 550 | 180 | 280 | 370 | 550 | 180 | 280 | 370 | 550 |
| 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 172 | 220 | 105 | 152 | 172 | 220 | 105 | 152 | 172 | 220 |
| 0,75 | 0,95 | 0,45 | 0,66 | 0,75 | 0.95 | 0,45 | 0,66 | 0,75 | 0,95 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE | CE | CE | CE | CE | CE | CE | CE | CE |
| - | - | - | - | - | - | 22 | 22 | 22 | 22 |
| 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| 537 | 557 | 505 | 530 | 545 | 565 | 523 | 523 | 537 | 557 |
| 521 | 541 | 488 | 513 | 528 | 548 | 506 | 506 | 521 | 541 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

## Drives (radio) with rotation speed 28 rpm

The fast drive for all textile screens
Some drive types are available with fast rotation speed 28 rpm and are particularly suitable for the use in connection with textile screens. The individual functions can be found on the pages of the respective drive types.

These drives can be operated with commeo- or iveo/intronic radio transmitters.

Drives are available in series 2 (from shaft with $\varnothing 50 \mathrm{~mm}$ ). Drives with 28 rpm are dispatched without adapters. The adapters and the plug-in connecting cables for series 2 need to be ordered separately

## Advantages

- Fast rotation speed for the use of small roller shafts and in connection with textile screens -Shorter running time between the two end limit positions
- Available in 3 different drive types with individual functions

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| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm <br> Octagonal steel shaft 70 | 288020 | 288225 |
| Plug-in cable | 5-wire, rubber, 3.0 m | 290586 | 288305 |
|  | 5-wire, rubber, 5.0 m | 290588 |  |
|  | 5-wire, rubber, 10.0 m | 290589 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| $\begin{aligned} & \text { SE Plus } \\ & 2 / 12-R C \end{aligned}$ | $\begin{aligned} & \text { SE Plus } \\ & \text { 2/18-RC } \end{aligned}$ | $\begin{gathered} \text { SEZ } \\ 2 / 6-R C \end{gathered}$ | $\begin{gathered} \text { SEZ } \\ \text { 2/9-RC } \end{gathered}$ | $\left\lvert\, \begin{gathered} \text { SEZ } \\ 2 / 12-R C \end{gathered}\right.$ | $\left\lvert\, \begin{gathered} \text { SEZ } \\ 2 / 18-R C \end{gathered}\right.$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 388740 | 389760 | 313510 | 313530 | 312540 | 313570 |
| 12 | 18 | 6 | 9 | 12 | 18 |
| 29 | 40 | 14 | 22 | 29 | 40 |
| 23 | 32 | 11 | 18 | 23 | 32 |
| SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 |
| 370 | 550 | 180 | 280 | 370 | 550 |
| 28 | 28 | 28 | 28 | 28 | 28 |
| 172 | 220 | 105 | 152 | 172 | 220 |
| 0,75 | 0,95 | 0,45 | 0,66 | 0,75 | 0.95 |
| 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE | CE | CE | CE | CE |
| - | - | - | - | - | - |
| 45 | 45 | 45 | 45 | 45 | 45 |
| 0 | 0 | 0 | 0 | 0 | 3 |
| 537 | 557 | 505 | 530 | 545 | 565 |
| 521 | 541 | 488 | 513 | 528 | 548 |
| 12 | 12 | 12 | 12 | 12 | 12 |

## Universal drives SP

GR 1 and GR 2

The universal drive with mechanical shut-off system

Regardless of whether you have roller shutters, all kinds of awnings, (Zip) screens or even interior blinds - the SP drive is universally usable. The end limit positions will be set manually at the motor head. The "classic" amongst the drives is offering the optimal price-performance ratio. SP drives are also available with rotation speed 28 rpm (see page 43 )
not permitted! In case of a /time switch a cut off relay has to be used.
(from shaft 50, 70 mm ). SP drives delivered with adapters as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.

| Type | SP 1/4 | SP 1/6 |
| :---: | :---: | :---: |
| Ref. | 350023 | 350033 |
| Torque at rated load Nm | 4 | 6 |
| Effective shutter weight (kg) at shutter height of 1.5 m | 10 | 14 |
| Effective shutter weight (kg) at shutter height of 2.5 m | 8 | 11 |
| Shaft type | SW 40 | SW 40 |
| Pulling force N | 180 | 270 |
| Rotation speed rpm | 30 | 15 |
| Power rating W | 115 | 115 |
| Current consumption A | 0,5 | 0,5 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range $U$ | 22 | 22 |
| Outer diameter mm | 35 | 35 |
| Cable length m | 3 | 3 |
| Length L1 mm L1 | 508 | 508 |
| Length L2 mm $\longleftarrow$ | 497 | 497 |
| Length of square fixing pivot mm | 12 | 12 |

* These information refer to the use in one-piece constructions.


Advantages

- Mechanical setting of the end limit positions "point to point" - No upper end limit necessary Suitable for many types of applications

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| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 <br> Octagonal steel shaft 60, <br> up to 50 Nm | 288026 | 288219 |
| Octagonal steel shaft 70 | 288024 | 288225 |  |
| Plug-in cable | 4-wire, PVC, white, 2,5 m | 290545 | 288305 |
|  | 4-wire, PVC, white, 5 m | 290548 |  |

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2 ! Further plug-in connecting cables can be found on page 82.

| SP 1/7 | SP 1/10 | SP 1/13 | SP 2/7 | SP 2/7-S | SP 2/10 | $\underset{S}{\text { SP } 2 / 10-}$ | SP 2/15 | SP 2/20 | SP 2/30 | SP 2/40 | SP 2/50 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 350453 | 350043 | 350053 | 352450 | 354450 | 352460 | 354460 | 352470 | 352480 | 352490 | 352400 | 352050 |
| 7 | 10 | 13 | 7 | 7 | 10 | 10 | 15 | 20 | 30 | 40 | 50 |
| 18 | 25 | 32 | 19 | 19 | 25 | 25 | 35 | 45 | 67 | 88 | 102 |
| 15 | 20 | 26 | 15 | 15 | 20 | 20 | 29 | 37 | 56 | 72 | 83 |
| SW 40 | SW 40 | SW 40 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 | SW 60 |
| 320 | 450 | 590 | 220 | 220 | 310 | 310 | 460 | 520 | 920 | 1230 | 1530 |
| 20 | 15 | 8 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 12 |
| 115 | 115 | 115 | 95 | 95 | 105 | 105 | 152 | 172 | 220 | 345 | 345 |
| 0,5 | 0,5 | 0,5 | 0.41 | 0.41 | 0.45 | 0.45 | 0.66 | 0.75 | 0.95 | 1.5 | 1.5 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE | CE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE, VDE | CE | CE |
| 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 35 | 35 | 35 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| 508 | 508 | 523 | 523 | 395 | 523 | 395 | 523 | 537 | 557 | 559 | 559 |
| 497 | 497 | 512 | 506 | 379 | 506 | 379 | 506 | 521 | 541 | 542 | 542 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

## Universal drives SP

GR 3

## The universal drive with mechanical shut-off

 systemRegardless of whether you have roller shutters, all kinds of awnings, (Zip) screens or even interior blinds - the SP drive is universally usable. The end screens or even interior blinds - the SP drive is universally usable. The end the drives is offering the optimal price-performance ratio. SP drives are also available with rotation speed 28 rpm (see page 43 )
simultaneous control of 2 drives in case of a simultaneous control of 2 or more SP drives by one switch / time switch a cut off relay has to be used.
Drives are available in series 1 (from shaft 40 , shaft with $\varnothing 40 \mathrm{~mm}$ ), series 2 (from shaft 50, shaft with $\varnothing 50 \mathrm{~mm}$ ) and series 3 (from shaft 70 , shaft with $\varnothing$ 70 mm ). SP drives of series 1 (from shaft 40 ) and series 3 (from shaft 70 ) are
delivered with adapters as standard. For drives of series 2 the adapters and delivered with adapters as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.


| Type | SP 3/50 | SP 3/60 |
| :---: | :---: | :---: |
| Ref. | 356463 | 356323 |
| Torque at rated load Nm | 50 | 60 |
| Effective shutter weight ( kg ) at shutter height of 1.5 m | 99 | 116 |
| Effective shutter weight ( kg ) at shutter height of 2.5 m | 81 | 100 |
| Shaft type | SW 70 | SW 70 |
| Pulling force N | 1330 | 1600 |
| Rotation speed rpm | 17 | 12 |
| Power rating W | 315 | 245 |
| Current consumption A | 1.4 | 1.1 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range $U$ | 22 | 22 |
| Outer diameter mm | 58 | 58 |
| Cable length $m$ | 3 | 3 |
| Length L 1 mm | 722 | 722 |
| Length L2 mm | 700 | 700 |
| Length of square fixing pivot mm | 22 | 22 |

Please order adapters separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 3 | Octagonal steel shaft 70 | 288100 | 288305 |
|  | Hexagonal steel shaft B 75 | 288102 | 288103 |
|  | Octagonal steel shaft 102 | 288132 | 288133 |
|  | Octagonal steel shaft 114 | 288202 | 288203 |
|  | Round tube $102 \times 2.5$ | 288134 | 288135 |

[^4]| SP 3/70 | SP 3/80 | SP 3/120 |
| :---: | :---: | :---: |
| 356483 | 356333 | 356343 |
| 70 | 80 | 120 |
| 135 | 154 | 232 |
| 116 | 130 | 200 |
| SW 70 | SW 70 | SW 70 |
| 1860 | 2130 | 3200 |
| 17 | 12 | 11 |
| 435 | 322 | 435 |
| 1.9 | 1.4 | 1.9 |
| 230 | 230 | 230 |
| 50 | 50 | 50 |
| 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 |
| CE | CE | CE |
| 22 | 22 | 22 |
| 58 | 58 | 58 |
| 3 | 3 | 3 |
| 722 | 722 | 722 |
| 700 | 700 | 700 |
| 22 | 22 | 22 |
|  |  |  |

## Drives for emergency opening within seconds SP Rescue

NEW
in catalogue

The roller shutter drive for the second emergency and escape route

The SP Rescue opens the roller shutter construction at the second emergency and escape route with only one handgrip in case of an emergency- within 2 seconds and also in case of power failure. At manual unlocking by the operating bar, a spring shaft will move the construction upwards in a matter of seconds and paves the way outside. After the retur The parallel connection of various SP Rescue drive
drives is not allowed! When the mimultaneouly via a switch or a time switch a cutoff relay has to be used.
Available in series 2 (from shaft 50 mm ) incluaing 15 Nm . SP Rescue drives are provided with adapters for series 2 by default.

Advantages

- Opens the Roller shutter at the second emergency and escape route in 1-2 seconds - also in case of power failure
Intuitive handling with only one handgrip
End limits remain programmed after returning into the operating mode
Easy assembly, requested opening width freely adjustable Maintenance-free, purely mechanical solution

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| Technical information of SP Rescue drives* |
| :--- |
| Type |
| Spring length mm |
| Ref. |
| Torque at rated load Nm |
| Effective shutter weight (kg) at shutter height of 1.5 m |
| Effective shutter weight (kg) at shutter height of 2.5 m |
| Shaft type |
| Pulling force N |
| Rotation speed rpm |
| Power rating W |
| Current consumption A |
| Voltage V |
| Frequency Hz |
| Time of operation min |
| Protective system |
| Test mark |
| Limit switch range U |
| Outer diameter mm |
| Cable length m |
| Length L 1 mm |
| Length L 2 mm |
| L1 |


| Please order accessories separately: |
| :--- | :--- | :---: |
| Designation  Ref. <br> Operation set <br> SP Rescue Operation set with cardan joint $50^{\circ}$ 278632 <br> Operation set with cardan joint $90^{\circ}$ 278635  <br> Operating bar Length $1,00 \mathrm{~m}$, white 278650 |

Further accessories can be found from page 86 onwards.
Note:
Next to the SP Rescue drives there is always a spring shaft and a telescopic shaft included in the standard scope of delivery.

| SP 2/6-SRescue | $\begin{array}{\|l} \text { SP 2/10- } \\ \text { Rescue } \end{array}$ | $\begin{array}{\|c} \text { SP 2/10- } \\ \text { Rescue } \end{array}$ | $\begin{array}{\|c} \text { SP 2/15- } \\ \text { Rescue } \end{array}$ |
| :---: | :---: | :---: | :---: |
| 500 | 500 | 700 | 920 |
| 359053 | 359063 | 359073 | 359083 |
| 6 | 10 | 10 | 15 |
| 8,5 | 9,5 | 13 | 18 |
| 0 | 0 | 12 | 17 |
| SW 60 | SW 60 | SW 60 | SW 60 |
| 180 | 310 | 310 | 460 |
| 16 | 17 | 17 | 17 |
| 88 | 105 | 105 | 152 |
| 0.38 | 0,45 | 0,45 | 0,66 |
| 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE | CE | CE |
| 22 | 22 | 22 | 22 |
| 45 | 45 | 45 | 45 |
| 0 | 3 | 3 | 3 |
| 950 | 1090 | 1290 | 1510 |
| 885 | 1025 | 1225 | 1445 |

[^5]Drives with emergency operation SP-NHK transmission ratio 1:26

NEW
in catalogue

The universal drive with emergency operation
The drive SP NHK can be used in connection with all constructions. The end limits are set manually at the motor head. Additionally the operation with an emergency hand crank is possible - e.g. in case of emergency at power failure.
The end limit stops do not have to be reset after manual operation.
The parallel connection of several SP drives is not permitted! In case of a simultaneous control of 2 or more SP drives by one switch/time switch a cut off relay has to be used.
SP-NHK drives of series 2 (from shaft $50 /$ shaft with $\varnothing 50 \mathrm{~mm}$ ) up to and including 20 Nm . For drives of series 2 the adapters need to be ordered separately.

## Advantages

- High operating safety thanks to the emergency hand crank, transmission ratio 1:26
- End limit positions do not have to be reset after manual operation
Small design (motor head and length of drive)
Easy mechanical setting of the end limit positions "point to point", no upper end limit to point", no itable e for many types of applications
$\square$
$T$ $\square$ ( $\overrightarrow{7^{2}}$

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Please order adapters separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm | 288020 | 288225 |
| Octagonal steel shaft 70 | 288024 | 288305 |  |

The entire range of adapters can be found from page 56 onwards.
The article numbers below contain a 3 m long fixed cable.

| SP 2/15- | SP 2/20- |
| :---: | :---: |
| NHK | NHK |
| 352373 | 352383 |
| 15 | 20 |
| 35 | 45 |
| 29 | 37 |
| SW 60 | SW 60 |
| 460 | 610 |
| 17 | 17 |
| 152 | 172 |
| 0,66 | 0,75 |
| 230 | 230 |
| 50 | 50 |
| 4 | 4 |
| IP 44 | IP 44 |
| $C E$ | $C E$ |
| 22 | 22 |
| 45 | 45 |
| 3 | 3 |
| 567 | 567 |
| 542,5 | 542,5 |


| Type | SP 2/7- <br> NHK | $\left\|\begin{array}{c} \text { SP } 2 / 10- \\ \text { NHK } \end{array}\right\|$ |
| :---: | :---: | :---: |
| Ref. | 352353 | 352363 |
| Torque at rated load Nm | 7 | 10 |
| Effective shutter weight ( kg ) at shutter height of 1.5 m | 19 | 25 |
| Effective shutter weight ( kg ) at shutter height of 2.5 m | 15 | 20 |
| Shaft type | SW 60 | SW 60 |
| Pulling force N | 220 | 310 |
| Rotation speed rpm | 17 | 17 |
| Power rating W | 95 | 105 |
| Current consumption A | 0,41 | 0,45 |
| Voltage V | 230 | 230 |
| Frequency Hz | 50 | 50 |
| Time of operation min | 4 | 4 |
| Protective system | IP 44 | IP 44 |
| Test mark | CE | CE |
| Limit switch range $U$ | 22 | 22 |
| Outer diameter mm | 45 | 45 |
| Cable length m | 3 | 3 |
| Length L 1 mm | 567 | 567 |
| Length L2 mm $\longleftarrow$ | 542,5 | 542,5 |

[^6]Drives with emergency operation SP-NHK
transmission ratio 1:55

The universal drive with emergency operation
The drive with emergency crank handle offers a wide range of application, typically used for rolling gates, rolling grills and large awnings. In case typically used for rolling gates, roling griils and large awnings. In case emergency crank handle.
The parallel connection of several SP drives is not permitted! In case of a simultaneous control of 2 or more SP drives by one switch/time switch a cut off relay has to be used.
Drives are available in series 2 (shaft with $\varnothing 50 \mathrm{~mm}$ ) and series 3 (shaft with $\emptyset 70 \mathrm{~mm}$ ).
SP-NHK drives of series 3 (from shaft 70) are delivered with adapters as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.

## Advantages

- High operating safety thanks to the emergency hand crank, transmission ratio 1:55
- End limit positions stops do not have to be reset after manual operation
Stable construction
- Easy mechanical setting of the end limit positions "point to point", no upper end limit

Suitable for
Suitable for many types of applications
$\square$

+ III 5
( ${ }^{4} \vec{r}^{2}$
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Please order adapters separately:

| Designation |  | Article no. crown | Article no. coupling |
| :--- | :--- | :---: | :---: |
| Adapters for series 2 | Octagonal steel shaft 50 | 288026 | 288219 |
|  | Octagonal steel shaft 60, <br> up to 50 Nm | 288020 | 288225 |
| Octagonal steel shaft 70 | 288024 | 288305 |  |
| Adapters for series 3 | Hexagonal steel shaft B 75 | 288102 | 288103 |
|  | Octagonal steel shaft 70 | 288100 | 288305 |

The entire range of adapters can be found from page 56 onwards.
The article numbers below contain a 3 m long fixed cable.

| SP 2/50- | SP 3/50- | SP 3/60- | SP 3/70- | SP 3/80- | SP 3/120 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NHK | NHK | NHK | NHK | NHK | NHK |
| 352153 | 356663 | 356523 | 356683 | 356533 | 356543 |
| 50 | 50 | 60 | 70 | 80 | 120 |
| 102 | 99 | 111 | 135 | 154 | 232 |
| 83 | 81 | 100 | 116 | 130 | 200 |
| SW 60 | SW 70 | SW 70 | SW 70 | SW 70 | SW 70 |
| 1530 | 1330 | 1600 | 1860 | 2130 | 3200 |
| 12 | 17 | 12 | 17 | 12 | 11 |
| 345 | 315 | 245 | 435 | 322 | 435 |
| 1.5 | 1.4 | 1.1 | 1.9 | 1.4 | 1.9 |
| 230 | 230 | 230 | 230 | 230 | 230 |
| 50 | 50 | 50 | 50 | 50 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 |
| IP 44 | IP 44 | IP 44 | IP 44 | IP 44 | IP 44 |
| CE | CE | CE | CE | CE | CE |
| 22 | 22 | 22 | 22 | 22 | 22 |
| 45 | 55 | 58 | 58 | 58 | 58 |
| 3 | 3 | 3 | 3 | 3 | 3 |
| 668 | 803 | 803 | 803 | 803 | 803 |
| 641 | 776 | 776 | 776 | 776 | 776 |

Overview of adapters for roller shutter shafts series 1

| Designation |  | Dimensions | Article no. crown | Article no. coupling |
| :---: | :---: | :---: | :---: | :---: |
| 3 | Profile tube ZF 45 | 43 mm | 288372 | 288373 |
| $\bigcirc$ | Intermediate ring series 1, series 2 | 46.9 mm | 288312 | --- |

Overview of adapters for roller shutter shafts series 2

| Designation |  | Dimensions | Article no. crown | Article no. coupling |
| :---: | :---: | :---: | :---: | :---: |
| $\square$ | Octagonal steel shaft 50 | 50.2 mm | 288026 | 288219 |
|  | Octagonal steel shaft 60, up to 50 Nm | 57.2 mm | 288020 | 288225 |
|  | Octagonal steel shaft 60, up to 30 Nm | 57.2 mm | 288020 | 288226 |
|  | Octagonal steel shaft 70 | 67 mm | 288024 | 288305 |
| $\bigcirc$ | Round tube $50 \times 1.5$ | 46.3 mm | Basic crown fits | 288307 |
|  | Round tube $50 \times 1.5$ from 40 Nm | 46.6 mm | Basic crown fits | 288217 |
|  | Round tube $50 \times 1.5$ with groove (Siral) | 46.1 mm | Basic crown fits | 288321 |
|  | Hexagonal steel shaft B 60 | 50.5 mm | 288022 | 288252 |
|  | Profile tube 65 mm Eckermann, Simbac | 63 mm | 288004 | 288251 |
|  | Profile tube 65 mm , Rühe | 60.5 mm | 288028 | 288309 |
|  | Profile tube ZF 54 and Deprat 53 | 52.5 mm | 288210 | 288211 |
|  | Profile tube ZF 64 | 61.5 mm | 288212 | 288213 |
| $\pi$ | Profile tube Deprat 62 | 60.2 mm | 288334 | 288333 |
| $\bigcirc$ | Intermediate ring series 2, series 3 | 59.7 mm | 288313 | --- |

Overview of adapters for roller shutter shafts series 3

| Designation |  | Dimensions | Article no. crown | Article no. coupling |
| :---: | :---: | :---: | :---: | :---: |
| $\bigcirc$ | Octagonal steel shaft 70 | 67 mm | 288100 | 288305 |
| $\rangle$ | Hexagonal steel shaft B 75 | 62 mm | 288102 | 288103 |
| , | Octagonal steel shaft 102 | 96.4 mm | 288132 | 288133 |
|  | Octagonal steel shaft 114 | 111 mm | 288202 | 288203 |
| ) | Round tube $102 \times 2.5$ | 97.6 mm | 288134 | 288135 |
| ) | Round tube $102 \times 2.5$ strong version | 97.6 mm | 288134 | 288141 |
| ) | Round tube $105 \times 2.5$ | 99.7 mm | 288138 | 288139 |
| ) | Profile tube ZF 80, up to 50 Nm | 76.6 mm | 288341 | 288342 |
| $3$ | Profile tube Deprat 89 | 85 mm | 288344 | 288345 |


| Product illustration | Ref. | Product description |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 288372 \\ & 288373 \end{aligned}$ | Adapters for roller shutter shafts, series 1, profile tube ZF 45 <br> crown adapter <br> coupling adapter |  |  |
|  | 288312 | Adapters for roller shutter shafts, series 1 intermediate ring for drives series 1 and crown adapter series 2 | $0$ |  |
|  | $\begin{aligned} & 288026 \\ & 288219 \end{aligned}$ | Adapter for roller shutter shafts, series 2, for octagonal steel shaft 50 crown adapter coupling adapter |  |  |
|  | $\begin{aligned} & 288020 \\ & 288225 \end{aligned}$ | Adapter for roller shutter shafts, series 2, for octagonal steel shaft 60 crown adapter coupling adapter, up to 50 Nm | $\square$ |  |
|  | $\begin{aligned} & 288020 \\ & 288226 \end{aligned}$ | Adapter for roller shutter shafts, series 2, for octagonal steel shaft 60 crown adapter coupling adapter, up to 30 Nm |  |  |
|  | $\begin{aligned} & 288024 \\ & 288305 \end{aligned}$ | Adapter for roller shutter shafts, series 2, for octagonal steel shaft 70 <br> crown adapter <br> coupling adapter |  |  |

Adapters for roller shutter shafts


Adapters for roller shutter shafts
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Adapters for roller shutter shafts
Adapters for roller shutter shafts
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$\begin{array}{lll}\text { Product illustration } & \text { Ref. } & \text { Product description }\end{array}$

| Product illustration | Ref. | Product description |  |
| :--- | :--- | :--- | :--- | :--- |
| 288344 | Adapter for roller shutter shafts, series 3, <br> for profile tube Deprat 89 <br> crown adapter <br> coupling adapter |  |  |
| 28835 |  |  |  |

Overview of adapters for awning shafts series 1

| Designation |  | Dimensions | Article no. crown | Article no. coupling |
| :---: | :---: | :---: | :---: | :---: |
| $\bigcirc$ | Round tube $40 \times 1$ | 37.8 mm | 288318 | 288319 |
| $\bigcirc$ | Round tube $40 \times 1.5$ (for SP series 1) | 36.8 mm | 288348 | 288349 |
| ( | Round tube $40 \times 1.5$ (for SE series 1) | 36.8 mm | 288356 | 288349 |
|  | Grooved tube 50 mm | 46.3 mm | 288325 | 288307 |
|  | Grooved tube 43 mm , Disvel, Cortina | 40.6 mm | 288354 | 288353 |
|  | Round tube Micro Controle | 36 mm | 288354 | 288355 |
|  | Round tube 43 mm , Acmeda | 40 mm | 288378 | 288379 |
|  | Grooved tube 50 mm , Rolmatic | 45.9 mm | 288316 | 288317 |
|  | Grooved tube $50 \times 1.5$ Resstede | 46.4 mm | 288376 | 288377 |
|  | Grooved tube Turnils 54 | 49.8 mm | 288362 | 288363 |
|  | Round tube 52 mm , Benthin | 47.5 mm | 288370 | 288371 |
| $\bigcirc$ | Intermediate ring series 1, series 2 | 46.9 mm | 288312 | --- |

Overview of adapters for awning shafts series 2

| Designation |  | Dimensions | Article no. crown | Article no. coupling |
| :---: | :---: | :---: | :---: | :---: |
| $\bigcirc$ | Round tube $60 \times 1.5$ | 56.6 mm | 288322 | 288323 |
|  | Round tube $63 \times 1.5$ | 59 mm | 288038 | 288039 |
|  | Grooved tube / round tube 63 / 62 mm, Deprat, Disvel | 59.9 mm | 288334 | 288206 |
|  | Grooved tube $63 \times 1$ | 60.2 mm | 288018 | 288019 |
|  | Grooved tube $70 \times 1.5$ | 66.5 mm | 288330 | 288331 |
|  | Grooved tube $70 \times 1$ | 67.5 mm | 288014 | 288015 |
|  | Grooved tube $70 \times 1.5$ Simbac | 67 mm | 288364 | 288365 |
|  | Grooved tube $78 \times 1.0 / 1.25$ | 74.5 mm | 288016 | 288121 |
|  | Grooved tube $85 \times 1.25$ | 82 mm | 288208 | 288123 |

Overview of adapters for awning shafts series 3

| Designation |  | Dimensions | Article no. crown | Article no. coupling |
| :---: | :---: | :---: | :---: | :---: |
| $\bigcirc$ | Round tube $70 \times 1.5$, up to 50 Nm | 66.5 mm | 288332 | 288331 |
|  | Round tube $70 \times 1.5$ strong version | 66.5 mm | 288332 | 288351 |
|  | Grooved tube $78 \times 1$, up to 50 Nm | 75.6 mm | 288124 | 288125 |
|  | Grooved tube $78 \times 1$ Döhner | 75.2 mm | 288358 | 288359 |
|  | Grooved tube $85 \times 1.25$, up to 50 Nm | 82 mm | 288126 | 288123 |
| $\bigcirc$ | Round tube $63 \times 1.5$ | 60 mm | -- -- -- | 288206 |

Adapters for awning shafts
Adapters for awning shafts
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Adapters for awning shafts


Adapters for awning shafts
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| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 288364 \\ & 288365 \end{aligned}$ | Adapter for awning shafts, series 2, for grooved tube $70 \times 1.5$ Simbac crown adapter coupling adapter |  |
|  | $\begin{aligned} & 288016 \\ & 288121 \end{aligned}$ | Adapter for awning shafts, series 2, for grooved tube $78 \times 1,0 / 1,25 \mathrm{~mm}$ crown adapter coupling adapter |  |
|  | $\begin{aligned} & 288208 \\ & 288123 \end{aligned}$ | Adapter for awning shafts, series 2, for grooved tube $85 \times 1.25$ <br> crown adapter coupling adapter, for drives up to max. 50 Nm |  |
|  | 288206 | Adapter for awning shaft, series 3, for round tube $63 \times 1.5$ <br> Crown adapter fits without adaptation onto the basic crown series 3 <br> coupling adapter <br> ! only suitable for round tube 63 ! |  |
|  | $\begin{aligned} & 288332 \\ & 288331 \end{aligned}$ | Adapter for awning shafts, series 3, for round tube $70 \times 1.5$ <br> crown adapter <br> coupling adapter, <br> for drives up to max. 50 Nm |  |
|  | $\begin{aligned} & 288332 \\ & 288351 \end{aligned}$ | Adapter for awning shafts, series 3, for round tube $70 \times 1.5$ <br> crown adapter <br> coupling adapter die-casted |  |


| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 288124 \\ & 288125 \end{aligned}$ | Adapter for awning shafts, series 3, for grooved tube $78 \times 1$ <br> crown adapter <br> coupling adapter, <br> for drives up to max. 50 Nm |  |
|  | $\begin{aligned} & 288358 \\ & 288359 \end{aligned}$ | Adapter for awning shafts, series 3, for grooved tube $78 \times 1$ Döhner crown adapter coupling adapter die-casted |  |
|  | $\begin{aligned} & 288126 \\ & 288123 \\ & 288241 \end{aligned}$ | Adapter for awning shafts, series 3, for grooved tube $85 \times 1.25$ <br> crown adapter <br> coupling adapter, <br> for drives up to max. 50 Nm <br> coupling adapter die-casted, <br> for drives up to max. 120 Nm (without picture) |  |
|  | $\begin{aligned} & 288710 \\ & 288711 \end{aligned}$ | Intermediate adapter for Somfy adapter metal plastic (without illustration) |  |
|  |  |  |  |

Motor brackets for surface-mounted roller shutter boxes


Motor brackets for surface-mounted roller shutter boxes

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| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 280118 | Motor bracket for surface-mounted roller shutter boxes galvanized steel for SELVE head contour, max. 50 Nm |  |
|  | 282003 | Motor bracket universal bearing plate, for serie 3 /... and SP... NHK |  |
|  |  |  |  |

Motor bracket for prefabricated roller shutter boxes

| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 281900 | Motor bracket for prefabricated roller shutter boxes galvanized steel, with 12 mm square pin |  |
|  | 281910 <br> 281920 | Motor bracket for prefabricated roller shutter boxes galvanized steel, with 12 mm square pin, $143 \mathrm{~mm} \times 50 \mathrm{~mm} \times 6 \mathrm{~mm}$, max. 50 Nm flush-mounted box bracket, with 12 mm square pin, $113 \mathrm{~mm} \times 40 \mathrm{~mm} \times 4 \mathrm{~mm}$, max. 50 Nm , (not illustrated) |  |
|  | 281934 | Motor bracket for prefabricated roller shutter boxes galvanized steel for head contour, max. 50 Nm |  |
|  | 281935 | Motor bracket for prefabricated roller shutter boxes galvanized steel for head contour, max. 50 Nm , outreach 30 mm |  |
|  | 281930 | Motor bracket for prefabricated roller shutter boxes plastic motor bracket, roll type, 12 mm square pin, max. 30 Nm |  |
|  | $\begin{array}{\|l\|} 281932 \\ 281933 \end{array}$ | Motor bracket for prefabricated roller shutter boxes plastic, roll type, with clip, max. 20 Nm plastic, roll type, without clip (no picture), max. 20 Nm |  |

Motor bracket for prefabricated roller shutter boxes

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| Product illustration | Ref. | Product description |
| :--- | :--- | :--- | :--- | :--- |
|  | 281950 | Motor bracket for prefabricated roller shutter boxes <br> motor bracket, roll type, for SP and SE drives, series 2, <br> in conjunction with mounting pin 2860 12, max. 30 Nm |

Motor bracket for top-mounted roller shutters

| Product description |
| :--- | :--- | :--- | :--- | :--- | :--- |

Motor bracket for top-mounted roller shutters

SELVE

Product illustration Ref. Product description

| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 283042 <br> 283052 | Motor bracket for top-mounted roller shutters for systems Inoutic and Gealan, plastic, with clip, max. 20 Nm <br> for systems Inoutic and Gealan, plastic, without clip, max. 20 Nm , (no picture) |  |
|  | 283041 <br> 283051 | Motor bracket for top-mounted roller shutters for system VEKA-Variant, plastic, with clip, max. 20 Nm for system VEKA-Variant, plastic, without clip, max. 20 Nm , (no picture) |  |
|  | 283047 | Motor bracket for top-mounted roller shutters for systems VEKA-Variant and DEPRAT-Réno, plastic, with clip, max. 20 Nm |  |
|  | 283045 | Motor bracket for top-mounted roller shutters bearing plate $100 \times 100 \mathrm{~mm}$, galvanized steel, for head contour, max. 50 Nm |  |
|  | 283044 <br> 283054 | Motor bracket for top-mounted roller shutters for systems Kömmerling and Rola-Plus, plastic, with clip, max. 20 Nm for systems Kömmerling and Rola-Plus, plastic, without clip, max. 20 Nm , (no picture) |  |
|  | 283046 | Motor bracket for top-mounted roller shutters for system Profine varinova, plastic, with clip, max. 20 Nm , to be secured with the enclosed screw |  |

## Awning brackets



Motor brackets for series 3 and SP-NHK drives

SELVE
Engineering in motion


| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 282010 | Motor flange for SEE-NHK and SP-NHK drives $\leq 20 \mathrm{Nm}$ such as SP Rescue drives <br> 12 mm square pin, small switching off |  |
|  | 282011 | Motor bracket for SEE-NHK and SP-NHK drives $\leq 20$ Nm such as SP Rescue drives oval, for VEKA system |  |
|  | 282012 | Motor bracket for SEE-NHK and SP-NHK drives $\leq 20$ Nm such as SP Rescue drives oval, for Inoutic (Thyssen) system |  |
|  | 282005 | Motor bracket for SEE-NHK and SP-NHK drives $\leq 20$ Nm such as SP Rescue drives with bolt |  |
|  | 282006 | Motor bracket for SEE-NHK and SP-NHK drives $\leq 20$ Nm such as SP Rescue drives for prefabricated roller shutter boxes |  |
|  |  |  |  |



Other motor brackets


Plug-in connecting cables and motor setting switches

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Plug-in connecting cables and motor setting switches

| Product illustration Ref. |  | Product description |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{array}{\|l} 290137 \\ 290127 \end{array}$ | Hirschmann plug system <br> Hirschmann-coupling, STAK 3 <br> Hirschmann-coupling STAK 4 (without picture) <br> The configuration of the contacts must be defined individually. |  |
|  | $\begin{aligned} & 290138 \\ & 290139 \\ & 290128 \\ & 290129 \end{aligned}$ | Hirschmann plug system <br> Hirschmann plug STAS 3, without clamp <br> security clamp STASI 3 <br> Hirschmann plug STAS 4, without clamp (without picture) <br> security clamp STASI 4 (without picture) <br> The configuration of the contacts must be defined individually. |  |
|  | 290525 | Plug-in cable three-wire for SELVE radio drives (series 2), types SE Pro-RC, SEE-RC, SE Plus-RC, SEZ-RC, SEM Plus-RC length $2.50 \mathrm{~m}, \mathrm{PVC}$, white |  |
|  | 290545 <br> 290548 <br> 290549 <br> 290556 <br> 290558 <br> 290559 | Plug-in connecting cable four-wire <br> for SELVE radio drives (series 2), types SE Pro, SEE, SE Plus, SEZ, SEM Plus, SP <br> length $2.50 \mathrm{~m}, \mathrm{PVC}$, white length $5.00 \mathrm{~m}, \mathrm{PVC}$, white length $10.00 \mathrm{~m}, \mathrm{PVC}$, white length 3.00 m , rubber, black length 5.00 m , rubber, black length 10.00 m , rubber, black |  |
|  | $\begin{array}{\|l} 290575 \\ 290578 \\ 290579 \\ 290586 \\ 290588 \\ 290589 \end{array}$ | Plug-in connecting cable five-wire <br> for SELVE radio drives (series 2), types SE Pro-RC, SEE-RC, <br> SE Plus-RC, SEZ-RC, SEM Plus-RC <br> and SMI drives, types SE Pro-SMI, SE Plus-SMI, SEZ-SMI <br> length $2.50 \mathrm{~m}, \mathrm{PVC}$, white <br> length $5.00 \mathrm{~m}, \mathrm{PVC}$, white <br> length $10.00 \mathrm{~m}, \mathrm{PVC}$, white <br> length 3.00 m , rubber, black <br> length 5.00 m , rubber, black <br> length 10.00 m , rubber, black |  |
|  |  |  |  |

Plug-in connecting cables and motor setting switches

SELVE
Engineering in motion


NEW in catalogus

Mechanical accessory for SP-NHK/SEE-NHK drives

| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 277920 <br> 277921 <br> 277922 | Eyelet with hexagon for SP-NHK drives bolt 70 mm bolt 250 mm bolt 450 mm |  |
|  | 277925 | Cardan joint $90^{\circ}$ for SP-NHK drives bearing plate $23 \times 85 \mathrm{~mm}, 7 \mathrm{~mm}$ hexagon, 300 mm long, with eyelet for emergency hand crank |  |
|  | $\begin{array}{\|l\|} 27 \\ 27 \\ 27 \\ \hline 9 \end{array}$ | Crank handle for awnings with hook for eyelet 2779 20, 2779 21, 277922 and 277925 $\begin{aligned} & x=1200 \mathrm{~mm} \\ & x=2000 \mathrm{~mm} \end{aligned}$ |  |
|  | 277905 | Cardan joint for magnet system for SEE-NHK bearing plate $85 \times 22 \mathrm{~mm}, 7 \mathrm{~mm}$ Sechskant, 300 mm long, $55^{\circ}$ |  |
|  | $\begin{aligned} & 278216 \\ & 278219 \\ & 278221 \\ & 277001 \end{aligned}$ | Crank handle for magnet system <br> extended length $=1300 \mathrm{~mm}, x=1000 \mathrm{~mm}$, white <br> extended length $=1600 \mathrm{~mm}, x=1300 \mathrm{~mm}$, white <br> extended length $=1800 \mathrm{~mm}, \mathrm{x}=1500 \mathrm{~mm}$, white <br> Arrester (no picutre) <br> white |  |
|  | 182000 | Ball bearing $\mathrm{D}=\varnothing 12 \mathrm{~mm}$ |  |

Mechanical accessory for
SP-NHK/SEE-NHK drives
Product illustration Ref. Product description


Mechanical accessory for
SP Rescue drives

| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 278632 \\ & 278635 \\ & 278650 \end{aligned}$ | Operation set for SP Rescue with operation bar 1 m, white, cardan joint, hexagon and handle lock <br> Operation set with cardan joint $50^{\circ}$ <br> Operation set with cardan joint $90^{\circ}$ (without illustration) <br> Operating bar 1.00 m , with handle piece (without illustration) |  |
|  | 281900 | Spring shaft bracket for prefabricated roller shutter boxes galvanized steel, with 12 mm square pin |  |
|  | $\begin{array}{\|l} 281910 \\ 281920 \end{array}$ | Spring shaft bracket for prefabricated roller shutter boxes galvanized steel, with 12 mm square pin, $143 \mathrm{~mm} \times 50 \mathrm{~mm} \times 6 \mathrm{~mm}, \max .50 \mathrm{Nm}$ flush-mounted box bracket, with 12 mm square pin, $113 \mathrm{~mm} \times 40 \mathrm{~mm} \times 4 \mathrm{~mm}$, max. 50 Nm , (not illustrated) |  |
|  | $\begin{array}{\|l\|} \hline 280120 \\ 280122 \end{array}$ | Spring shaft bracket for top-mounted roller shutters galvanized steel, with 12 mm square pin, thread M6, dimensions: (a/b/c/d) $63 / 24 / 48 / 12 \mathrm{~mm}$, for series 1 and 2 <br> galvanized steel, with 12 mm square pin, thread M8, dimensions: (a/b/c/d) $76 / 30 / 60 / 15 \mathrm{~mm}$, for series 1 and 2 |  |
|  | 283031 | Spring shaft bracket for top-mounted roller shutters Thyssen system, 12 mm square pin, max. 50 Nm |  |
|  | 283029 | Spring shaft bracket for top-mounted roller shutters Veka system, mounting plate with motor bracket 2801 20, 12 mm square pin, max. 50 Nm |  |

Mechanical accessory for SP Rescue drives

SELVE
Engineering in motion

| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 280155 | Spring shaft bracket for clinker buildings motor bracket for clinker buildings, 12 mm square pin |  |
|  | 282010 | Motor flange for SEE-NHK and SP-NHK drives $\leq 20$ Nm such as SP Rescue drives <br> 12 mm square pin, small switching off |  |
|  | 282011 | Motor bracket for SEE-NHK and SP-NHK drives $\leq 20$ Nm such as SP Rescue drives <br> oval, for VEKA system |  |
|  | 282012 | Motor bracket for SEE-NHK and SP-NHK drives $\leq 20$ Nm such as SP Rescue drives oval, for Inoutic (Thyssen) system |  |
|  | 282005 | Motor bracket for SEE-NHK and SP-NHK drives $\leq 20$ Nm such as SP Rescue drives <br> with bolt |  |
|  | 281700 281701 281702 | Spring shaft for SP Rescue for SW 60 - already included in the SP Rescue set - $\begin{aligned} & x=500 \mathrm{~mm} \\ & x=700 \mathrm{~mm} \\ & x=920 \mathrm{~mm} \end{aligned}$ |  |

Mechanical accessory for drives

| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 284200 | Flange ball bearing for $\varnothing 20 \mathrm{~mm}$ pivot |  |
|  | 272450 | Shaft insert for octagonal tube 40 adjustable, galvanized |  |
|  | $\begin{aligned} & 272510 \\ & 272530 \end{aligned}$ | Shaft insert for octagonal tube 60 plastic-coated, adjusting range: 150-250 mm galvanized, short, for ball bearing and LUNAMAT gear (no picture) |  |
|  | 278410 | Shaft insert for octagonal tube 70 anti-rust, adjusting range: $150-250 \mathrm{~mm}$, with ball-bearing $\varnothing 40 \mathrm{~mm}$ ref. 182201 |  |
|  | 272210 | Shaft insert for octagonal tube 70 <br> plastic-coated, adjusting range: $150-230 \mathrm{~mm}$ |  |
|  | 195900 | Tube coupler for octagonal steel shaft 40 assembled, galvanized |  |

Mechanical accessory for drives
SELVE
Engineering in motion
$\left.\begin{array}{l|l|l|l}\text { Product description }\end{array} \left\lvert\, \begin{array}{ll}\text { Tube coupler, adjustable, with ball-bearing } \varnothing 50 \mathrm{~mm}, \\ \text { for octagonal steel shaft } 70 \\ \text { plastic coated, assembled }\end{array}\right.\right]$

SELVE
Engineering in motion


| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 371530 <br> 371531 <br> 371533 | Internal blinds drive SIS 25/0,65 SMI, suitable for 25 mm blind headrails. Including connecting adapters for different turning bars: <br> hexagon 5 mm <br> hexagon 6 mm <br> square $5 \mathrm{~mm} \times 5 \mathrm{~mm}$ |  |
|  | $\begin{aligned} & 288800 \\ & 288801 \\ & 288802 \\ & 288803 \end{aligned}$ | Mould adapter for blind drive SIS <br> for SW 6 <br> for SW 5 <br> $5 \times 5 \mathrm{~mm}$ square <br> $5 \times 3 \mathrm{~mm}$ square |  |
|  | 290690 | Setting cable with mains adapter for one SIS drive, with RJ12 plug for direct connection to the SIS drive. <br> Not suitable for continuous use. |  |
|  | $\begin{aligned} & 290600 \\ & 290601 \end{aligned}$ | Connecting cable <br> black, $2 \times$ plug RJ12 for direct connection to the SIS drive and terminal box or switch box <br> length: 5 m <br> length: 10 m |  |
|  | 290670 | Terminal box for the connection of max. 4 SIS drives, several terminal boxes may be connected in line, surface mounted housing approx. $80 \times 80 \mathrm{~mm}$ |  |
| $92$ | $290671$ | Switch box <br> group controller, for the connection of 1 SIS drive and 2 blind switches, group and individual control possible, several switch boxes may be connected in line, surface mounted housing approx. $80 \times 80 \mathrm{~mm}$ |  |


| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 090110 | RolloLift UP <br> Electrical strap coiler (flush-mounting) <br> for 23 mm straps, with internal, mains synchronous timer and settable switching times for opening and closing. <br> Max. strap capacity: 4.8 m <br> Max. tension performance: 45 kg <br> Permitted roller shutter surface: <br> approx. 6 sqm at $5 \mathrm{~kg} / \mathrm{sqm}$ <br> approx. 3 sqm at $10 \mathrm{~kg} / \mathrm{sqm}$ <br> Cover: $212 \times 60$ <br> Depth of box: 139 mm <br> Width of box: 34.5 mm <br> Hole positions: 165 mm and 185 mm |  |
|  | 090210 | RolloLift UP Timer <br> Electrical strap coiler (flush-mounting) <br> for 23 mm straps, with display and internal, mains synchronous timer and settable switching times for opening and closing. <br> Max. strap capacity: 4.8 m <br> Max. tension performance: 45 kg <br> Permitted roller shutter surface: <br> approx. 6 sqm at $5 \mathrm{~kg} / \mathrm{sqm}$ <br> approx. 3 sqm at $10 \mathrm{~kg} / \mathrm{sqm}$ <br> Cover: $212 \times 60$ <br> Depth of box: 139 mm <br> Width of box: 34.5 mm <br> Hole positions: 165 mm and 185 mm |  |
|  | 296115 | Light Sensor <br> for RolloLift UP (Timer) and RolloLift AP (Timer) with suction cap for the direct fixing on the window. By the position of the suction cap it will be determined up to where the roller shutter will be lowered in case of sunshine. <br> Length of cable: 1 m |  |
|  |  |  |  |




CONTROLS
SELVE
Engineering in motion

Smart controls for every application make our drives really comfortable. Whether forward-looking SmartHome solutions via internet or the conventional operation via a wired wall switch - SELVE offers a wide range of products for the control of different drives and receivers in the house or at an object.

## Central home automation with just one app

## SELVE Home

Convenient control of the roller shutters, sun protections and other receivers of Homematic IP via app
Feedback and status display of the individual receivers
$100 \%$ compatible to the radio systems commeo, iveo and intronic

- from page 100


Bidirectional radio control system

## commeo

- Easy setting, high ease of use and greatest security

Feedback function for highest transparency
Products for time and home automation as well as
hand-held transmitters and wall-mounted transmitters,
receivers and sensors

- from page 102



## Unidirectional radio control system

## iveo-/intronic radio

- Proven radio system for many years

Large product range
Compatible to all SELVE radio drives ("-RC") and many commeo receivers

- from page 115


Wired controls

[^7]| intronic <br> - from page 128 | - | Cut-off relays <br> - page 137 | \% |
| :---: | :---: | :---: | :---: |
| Timers <br> - from page 134 | -392] | Switches/Push buttons <br> from page 138 | $\cdots$ |


commeo
BIDIRECTIONAL RADIO

-rern

Latest radio control of roller shutters, zip-screens and awnings: The commeo product family consists of technically sophisticated drives, user friendly hand-held transmitters and intelligent weather sensors that together offer maximum functionality.

The bidirectional commeo radio solutions are offering many advantages:

- Feedback of the receiver on the process of the radio signal
- Easy initial setting and operation by bidirectional communication between transmitter and receiver
- Larger radio range by targeted forwarding (repeating) of the radio signal if necessary
- Fail-safe and tap-proof by fast radio protocol and rolling-code procedure
- Downward compatible: drives and receivers can also process iveo/intronic signals
- Wired switches connectable: Setting and operation possible by wire

commeo Wind Sensor
Radio motion sensor
Ref. 297754
- page 110
commeo Receive Connect Radio receiver Hirschmann plug Ref. 297774
commeo USB-RF Gateway Radio interface on XML-basis Ref. 297792
- page 104

commeo Wall Send Wall transmitter with 1 channel
Ref. $297704 / 297708$
- page 107
commeo Sensor WS Radio wind and sun sensor Radio wind and
Ref. 297751
commeo Sensor WSRF Radio wind, sun, rain Radio wind, sun, rain
and frost sensor
Ref. 297753 Ref. 2 2ge 109
commeo Receive Radio receiver (flush-mounted) Ref. 297771
- page 111
commeo Adapter Plug Radio receiver socket Ref. 297777

commeo Contro Radio group/single contro Ref. 297730

- page 112

SELVE -intelligent home control
via app or with Amazon Alexa


Compatibe with


Make more of your radio system!
Provide your customers with maximum ease of use and the possibility to control their home via smartphone or with Amazon Alexa. From all over the world or conveniently from the living room sofa. Easy and intuitive SmartHome control via app "SELVE Home" for IOS and android
Control of SELVE radio systems commeo, iveo, intronic as well as selected Homematic IP-components

Data protection issue - local or external data storage:

- Exclusive use at home in the private wireless network via smartphone or tablet computer (see functional example 1 on the right side) Control also from the outside via smartphone by the SELVE cloud (see functional example 2) Optional voice control via Alexa Skill in connection with SELVE cloud (see functional example 2)

the easy start into the world of Smarthome:
commeo time and house automation

SELVE
Engineering in motion

## Control holler shutiers and sun protection-via-Bluetooth ${ }^{\circledR}$-app



297701 radio timer for group/single control and up to 8 radio receivers, radio timer for group/single control and up to 8
setting via Bluetooth ${ }^{\circ}$ app, traffic white colour
$\qquad$
Product illustration commeo radio timer, that can be set and controlled by an easy to use, free of charge app via Bluetooth . Via radio, up to 8 commeo radio receivers can be controlled together with the timers. Addionally wired group controls can be set with the commeo Control, ref. 2977 30, due to the potential-free control output and the group and single control input.

## Technical data

Dimensions: $80 \times 80 \times 50 \mathrm{~mm}$ Operating voltage: 230 V AC Battery: $1 \times$ CR2032 Protection class: IP20 Permitted ambient temp.:
$0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ $0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
Assembly: flush mounted box
$\varnothing 60 \times 40 \mathrm{~mm}$ Frequency: 868 MHz

## Product advantages:

- Operation via free of charge commeo Timer app: The smartphone/tablet is the display of the timer
- Control of a drive connected via cable and up to 8 additional commeo receivers - Individual switching times for the total of 9 receivers can be set
- Manual operation is possible anytime by the buttons "UP", "STOP" and "DOWN" - Switching off of the automatic commands by slide switch - Assembly in $50 \times 50 \mathrm{~mm}$ frames, suitable for many switch ranges Functional description:


## App control - also for retrofitting!

The overarching SmartHome system is too complex
for your customer but you would like to control roller
shutter and sun protection with the smartphone?
Then, the commeo Timer BT is just the right thing
The smartphone or tablet computer will become the display of the time switch

- Intuitive setting and operation via Bluetooth ${ }^{\oplus}$-app for iOS and android
- High receipt stability and data security

Typical ranges of application:

- Central control of up to 8 radio drives/receivers in your own apartment
Smart control of sun protection of one floor or a room (e.g. living or dining room )
- Use as wired time switch with app control
- Individual radio control in new construction and retrofitting




## Technical data

Dimensions: $23 \times 70 \times 9 \mathrm{~mm}$ Operating voltage: 5 V DC (via USB) Battery: not necessary
Protection class: 1 P20 Permitted ambient ten 0 to $+40^{\circ} \mathrm{C}$
Assembly: USB 2.0 type A Frequency: 868 MHz

Ref. Product description
297792 USB flash drive for commeo / iveo radio
The commeo USB-RF Gateway is the connection between the SELVE radio technologies commeo, iveo (intronic) and the own individual application. As interface a free XML-based interface is provided. The integration of the unidirectional radio protocol iveo permits the operation of existing SELVE iveo radio installations, so that mixed installations of commeo (bidirectional) and iveo (unidirectional) can be built.

Product advantages

- Easy integration of SELVE radio systems commeo and iveo into other control systems via standardized XML interface


## commeo:

- Administration, operation and feedback of up to 64 commeo receivers (RC-radio drives and commeo receivers, as e.g. commeo Receive)
- Sensor data collection of up to 8 commeo sensors for further data progressing - Provision of up to 8 sensor simulations which enable to integrate external sensor through the application into the commeo radio system
- Programming of up to 63 commeo transmitter channels (e.g. commeo Send 10) for the control of actions in the application
iveo (intronic):
- Administration and operation of up to 64 iveo transmitter channels for individual and group operation
- Also compatible to all intronic receivers (since 2003)

Software commeo USB-RF Gateway service / developing tool:

- Provision of the free software "commeo USB-RF Gateway service/developing tool" at www.selve.de/en/downloads
- Developing tool for the XML interface with logging
- Service tool for commeo receivers and radio drives RC to set the end limits and for configuration
- Display of feedback of commeo receivers
- Possibility of firmware update of the USB-RF Gateway software


## Functional

description:

commeo hand-held transmitters and wall transmitters


| Product illustration Ref. Product description |  |  |  |
| :---: | :---: | :---: | :---: |
|  | 297713 | commeo Send 1 <br> radio hand-held tramitter, 1 channel, traffic white colour Birectional 1 channel hand-held transmitter including wall fixing. The commeo Send 1 can be programmed into several receivers and can control these as one group. With slide switch to easily switch off the automatic central commands. |  |
| Technical data <br> Dimensions: <br> $42 \times 133 \times 20 \mathrm{~mm}$ <br> Operating voltage: 3 V DC <br> Battery: $2 \times \mathrm{AAA}$ <br> Protection class: IP20 <br> Permitted ambient temp.: <br> $0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ <br> Assembly: wall fixing <br> Frequency: 868 MHz | Product advantages <br> - Intuitive operation due to down, up and stop button <br> - Feedback of the receiver is shown with DUO-LED <br> - Easy reprogramming without group separation <br> - AUTO/Man slide switch to switch off automatic commands <br> - Use of standard batteries (AAA) <br> - Two coloured versions in traffic white and black <br> - Transmitters can be equipped with optional coloured clips |  |  |
|  | Functio descrip |  |  |

commeo hand-held transmitters and wall transmitters

SELVE
Engineering in motion

commeo hand-held transmitters and


## Technical data

Dimensions: $56 \times 56 \times 24 \mathrm{~mm}$
Operating voltage: 3 VDC
Battery: CR 2450
Protection class: IP20 Permitted ambient temp.:
$0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ $0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
Assembly:
window pane inside
Frequency: 868 MHz

Product advantages:

- Sun protection by automatic moving of the roller shutters to the set intermediate
position or to the position of the commeo Light Send at sun radiation.
- Optional indoor temperature depending delay for sun protection function
- Automatic nightly closing of the roller shutters due to twilight function
- Closing of the roller shutters in case ofvibrations of the window pane by glass breakage sensor
- Manual operation and switching off of the commeo Light Send is possible
at the sensor
Functional
Functional
description:




## Product illustration



## Technical data

Dimensions:
$140 \times 160 \times 240 \mathrm{~mm}$ Operating voltage: 230 V AC Battery: not necessary ${ }^{\text {Protection class: } \text { IP35 }}$ Permitted ambie
$-25^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ $-25^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ Frequency: 868 MHz

## Ref. Product description

 commeo Sensor WSRF297753 radio sun protection control with wind, sun, rain and frost sensor The commeo Sensor WSRF controls the sun protection in dependence with the solar radiation.
The sun protection installation will additionally be protected against wind, rain and frost damage. It can be programmed into every commeo receiver. The threshold value adjustment of the receivers can conveniently be made by using the commeo Multi Send or commeo Send WS 10.

Product advantages:

- Automatic moving of the awning to protect against heat and sun in dependence on the adjusted brightness level
- Protection of the awning against wind, rain and frost damages
- Surveillance of the transmission path to the receivers
- Comfortable setting of the threshold values by using the transmitters
commeo Multi Send or commeo Send WS 10
- Low standby power consumption with $<0,5 \mathrm{~W}$


radio group/single control, traffic white colour
With the commeo Control wired drives can easily be upgraded with commeo radio. That is why the commeo Control suits very well for the modernisation and retrofitting. Additionally wired group controls can be set due to the potential-free control output and the group and single control input. Like this the commeo Control can be interconnected with the commeo Timer BT, ref. 297701.


## Technical data

Dimensions: $80 \times 80 \times 50 \mathrm{~mm}$ Operating voltage: 230 V AC Battery: not necessary Protection class: IP20 Permitted ambient temp.:
0 to $+55^{\circ} \mathrm{C}$ 0 to $+55^{\circ} \mathrm{C}$ Absy flush mounted box requency: 868 N

Product advantages:

- Easy assembly of a radio and/or group control with additional wired controls - Manual operation is possible anytime by the buttons "UP", "STOP" and "DOWN" - Switching off of the automatic commands by slide switch
- Assembly in $50 \times 50 \mathrm{~mm}$ frames, suitable for many switch ranges

Functional
description:


## Product illustration



## Ref. Product description

 commeo Adapter Plug
## 297777 radio receiver for Schuko socke

The radio socket adapter commeo Adapter Plug is designed to switch electrical devices with mains plugs. It can be controlled by every commeo or iveo transmitter. The manual switching on will be made by the UP button and the switching off by the STOP or DOWN button of a programmed transmitter. The commeo Adapter Plug can be automatically switched on and off by programmed transmitters with timers, e.g. commeo Multi Send.

## Technical data

Dimensions:
$59 \times 107 \times 43 \mathrm{~mm}$
Operating voltage: 230 VAC
attery: not necessary Protection class: IP20 $0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
Assembly: shockproof socket Frequency: 868 MHz

Product advantages:

- Easy installation and retrofitting into an existing socket
- Button for the local operation
- Manual and automatic switching on and off of an electrical device
- Compatible with commeo and iveo radio transmitters
- Low standby power consumption with <0,5 W


## Functional

description:

Product illustration Ref. Product description


## iveo

UNIDIRECTIONAL RADIO
Engineering in motion

So many years in the market but not old-fashioned at all: with fully developed technology and an absolutely complete product range we are presenting our unidirectional iveo and intronic radio control products. The SELVE radio drives $(, R C ")$ as well as the receivers commeo Receive, commeo Receive Connect and Commeo Adapter Plug can receive commeo as well as iveo / intronic radio commands. This downward compatibility of the drives and receivers is unique on the market and opens up many possibilities.

| SELVE Home Server 2 <br> Home automation via app Ref. 297790 | iveo Multi Send Hand-held transmitter with 10 channels and 10 timers Ref. 2987 24/29 8725 | i-R Timer Plus Wall transmitter with timer Ref. 298700 |
| :---: | :---: | :---: |
| iveo Send 10 <br> Hand-held transmitter with 10 / 5 channels Ref. 298715 | iveo Send 1 <br> Hand-held transmitter with 1 channel Ref. 298713 | iveo Wall Send <br> Wall transmitter with 1 channel Ref. 2987 04/ <br> 298708 |
| iveo KeySend Key ring transmitter with 1 channel Ref. 298719 <br> page 120 | i-R Light Sensor Light sensor Ref. 298703 <br> page 121 | i-R Transmit Transmitter for switches (flush-mounted) Ref. 297781 |
| commeo Receive <br> Radio receiver (flush-mounted) <br> Ref. 297771 <br> page 122 | commeo Receive Connect <br> Radio receiver <br> Hirschmann plug <br> Ref. 297774 <br> page 122 | i-R Receive Compact Radio receiver for roller shutter boxes Ref. 298772 <br> page 123 |
| i-R Control Radio receiver with individual control Ref. 298730 | commeo Adapter Plug Radio receiver socket Ref. 297777 <br> page 124 | i-R Heat Connect Radio receiver for high switching capacity Ref. 297775 |



| Ref. | Product description |
| :--- | :--- |
|  | SELVE Ho |

297797 SmartHome solution for commeo, iveo and intronic with scenarios and task manager
With the SELVE Home Server 2 the SELVE radio systems commeo, iveo and intronic are made controllable conveniently and intuitively via app for smartphones and tablet computer. Also selected devices of Homematic IP can be integrated so that also heating, light and other consumers can be controlled with only one app.

## Technical data

 Dimensions: $90 \times 90 \times 21 \mathrm{~mm}$ Operating voltage: 5 V DC va plug-in power supply Battery: not necessaryProtection class: IP20 Permitted ambient temp. $0^{\circ} \mathrm{C}$ to $+40^{\circ} \mathrm{C}$
Assembly: Floor-mounted appliance with power supply Frequency: 868 MHz

- Easy and intuitive control of SELVE radio systems via a free of charge app "SELVE Home" for IOS and android
- Easy putting into service of the SELVE Home Server via the app "SELVE Home" or the putting into service app "SELVE Home Install"
- Creation of individual groups and scenarios
- Creation of time and sensor controlled actions ("tasks")
- Control via internet by the SELVE cloud
- Commands via voice control Amazon Alexa via cloud and "SELVE Home"- connection possible
- For the control in your own network there is no internet necessary
- Comfortable setting of threshold values for sensors that are programmed in commeo receivers
- Programmable in up to 64 commeo receivers and 32 iveo /intronic receivers
- Control of selected Homematic IP devices
- Lower standby power consumption with 1,3 W


| Product illustration | 298724 | Product description |  |
| :---: | :---: | :---: | :---: |
|  |  | iveo Multi Send <br> radio hand-held transmitter, 10-channel with each one timer per channel, traffic white <br> The iveo Multi Send has 10 channels with each one timer and controls the roller shutters and sun protections at fixed times or at sunset time. Several receivers can be programmed per channel so that these can execute the motion commands at the same time as a group. |  |
| Technical data <br> Dimensions: <br> $42 \times 169 \times 20 \mathrm{~mm}$ <br> Operating voltage: 3 V DC <br> Battery: $2 \times \mathrm{AAA}$ <br> Protection class: IP20 <br> Permitted ambient temp. <br> $-10^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ <br> Assembly: wall fixing <br> Frequency: 868.3 MHz | Product advantages: <br> - Comfortable operation and easy setting by preprogramming <br> - Automatic closing of the roller shutters at sunset <br> - Automatic change of summer and winter time <br> - Pleasant shadowing or ventilation by free selectable intermediate positions, also movable by timer <br> - Manual operation is possible at any time <br> - Easy switching on and switching off of the automatic commands |  |  |
|  | Functio descript |  |  |

## Product illustration <br> 

Ref. Product description
i-R Timer Plus
298700 radio timer with astro, sunlight and twilight function, connection possibility for i-Light sensor
298615 light sensor with 2 m supply lead
Several receivers can be programmed into this 1 channel radio timer in wall transmitter design, so that these execute the motion commands at the same time as a group. The roller shutters can be moved in the mornings and in the evenings to the sunrise and sunset times as well as to fixed times

## Technical data

Dimensions: $86 \times 86 \times 27 \mathrm{~mm}$
Operating voltage: $3 V \mathrm{DC}$ Battery: $2 \times$ AAA Protection class: IP20 Permitted ambient temp.: $0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ Assembly: surface-mounted Frequency: 868.3 MHz

Product advantages:

- Comfortable operation and easy setting by preprogramming and textual operational guidance
- Sun protection function with optionally connectable light sensor
- Easy switching on and switching off of the automatic commands by a slide switch
- Shadowing or ventilation by free selectable intermediate positions
- Additional, adjustable switching time, up to 4 switching times per day

Functional
description:

iveo / i-R hand-held transmitters and wall transmitters

| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 298715 | iveo Send 10 <br> radio hand-held transmitter, 10-channel, traffic white colour Unidirectional 10 channel hand-held transmitter with wall fixing. The iveo Send 10 can control up to 10 groups individually, group $1-5$, group $6-10$ or all 10 groups at the same time. With slide switch to easily switch off the automatic central commands for all groups. |  |
| Technical data <br> Dimensions: <br> $42 \times 133 \times 20 \mathrm{~mm}$ <br> Operating voltage: 3 V DC <br> Battery: $2 \times$ AAA <br> Protection class: IP20 <br> Permitted ambient temp.: | Product <br> - 10 chan <br> - Comfor <br> - Adjusta <br> - Trouble <br> - Very ea <br> - Easy sw | dvantages: <br> nels, 2 groups and one central channel able operation as it is transportable le intermediate position in the receivers free control due to digital radio technology y operation, one button for each function tching on and switching off of the automatic commands by slide |  | Permitted ambient temp.: $-10^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$

Frequency: 868.3 MHz

Functional
description:


iveo / i-R hand-held transmitters and wall transmitters

iveo / $\mathrm{i}-\mathrm{R}$ hand-held transmitters and wall transmitters


| Product illustration Ref. Product description |  |  |  |
| :---: | :---: | :---: | :---: |
|  | 298719 | iveo Key Send <br> Key-radio-hand-held transmitter, 1-channel, black <br> Unidirectional 1 channel hand-held transmitter with key ring. The iveo Key Send can be programmed into several receivers so that a group of receivers can be controlled by the transmitter. |  |
| Technical data <br> Dimensions: $32 \times 64 \times 15 \mathrm{~mm}$ <br> Operating voltage: 9V DC <br> Battery: $1 \times$ A32 <br> Protection class: IP20 | Product advantages: <br> - Slender design for the jacket pocket <br> - Key ring for the secure stowage with the keys <br> - Transmitting-LED to display when a signal is transmitted |  |  |
| Permitted ambient temp.: <br> $0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ <br> Assembly: hand device <br> Frequency: 868.3 MHz | Functiona descriptio |  |  |

iveo / $\mathrm{i}-\mathrm{R}$ hand-held transmitters and wall transmitters

SELVE
Engineering in motion



| Product illustration Ref. |  | Product description |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{array}{\|l\|} 297774 \\ 290061 \end{array}$ | commeo Receive Connect (iveo compatible) <br> radio receiver with Hirschmann plug / coupling surface-mounted casing $\mathrm{L} \times B \times H=328 \times 49 \times 49 \mathrm{~mm}$ <br> The commeo Receive Connect with Hirschmann connection was developed for the use in blind and awning installations. The connection of the drive and the power supply can easily be made by the plug connection with the Hirschmann plug / coupling (STAS 3 / STAK 3). |  |
| Technical data <br> Dimensions: <br> $42 \times 169 \times 28 \mathrm{~mm}$ <br> Operating voltage: 230 V AC <br> Battery: not necessary <br> Protection class: IP54 <br> Permitted ambient temp.: <br> $-25^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ <br> Assembly: on the headrail <br> Frequency: 868 MHz | Product advantages: <br> - Easy, retrospective programming - it is also possible when the executing device is already installed <br> - Versatile use by adjustable receiver application <br> - Easy assembly by Hirschmann connection <br> - Automatic direction assignment after setting the runtime <br> - Intermediate position can be reached from every position <br> - Low standby power consumption with <0,5 W |  |  |
|  | Function descripti |  |  |

Product illustration
Ref. Product description commeo Adapter Plug (iveo-compatible)
297777 radio receiver for Schuko socket
The radio socket adapter commeo Adapter Plug is designed to switch electrical devices with mains plugs. It can be controlled by every commeo or iveo transmitter. The manual switching on will be made by the UP button and the switching off by the STO or DOWN-button of a programmed transmitter. The commeo Adapter Plug can be switched on and off by programmed transmitters.

## Technical data

Dimensions:
$9 \times 107 \times 43 \mathrm{~mm}$
perating voltage: 230 V AC
Protection class: IP20 Permitted ambient tem $0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
Assembly: shockproof socket Frequency: 868 MHz

## Product advantages:

- Easy installation and retrofitting into an existing socket
- Button for the local operation
- Manual and automatic switching on and off of an electrical device
- Compatible with commeo and iveo radio transmitters
- Low standby usage with $<0,5 \mathrm{~W}$

Functional
description:

$\underset{\substack{\text { iveo } \\ \text { send } 1}}{ }$


Product illustration Ref. Product description

|  | $295007$ <br> 295008 | Decoupling relay <br> for commeo Receive and i-R Control <br> For the control of two mechanical drives with a roller shutter switch or a time switch. A second roller shutter button can be connected optionally; no single operation of the two motors is possible. When using several cut off relays there is the possibility of a central operation of several drives with additional single operation. With lose ground terminal. <br> Operating voltage: $230 \mathrm{~V} \mathrm{AC} / 50-60 \mathrm{~Hz}$ <br> Current consumption: max. 5 A / 250 V AC <br> Dimensions: $50 \times 50 \times 21 \mathrm{~mm}$ <br> like article number 295007, but in plastic housing IP 44 ( $80 \times 80 \mathrm{~mm}$ ) |
| :---: | :---: | :---: |
|  | 290060 | Junction box IP 66 <br> for i-R Transmit and commeo Receive <br> surface-mounted casing $L \times W \times H=80 \times 80 \times 52 \mathrm{~mm}$ Note: Empty housing without electronic component |
|  | 290061 | Surface-mounted casing for commeo Receive Connect surface-mounted casing $\mathrm{L} \times \mathrm{B} \times \mathrm{H}=328 \times 49 \times 49 \mathrm{~mm}$ |
|  |  |  |

Always on the right track: The diverse control program from SELVE is rounded off by various wired control products. Next to group - and single controls and sun protection controls from the intronic program the well-known and the since years proved time switches Smarttimer Plus and Selvetimer Plus can be found here. This is completed by the cut off relays as well as various switches and buttons.


## OTHER CONTROL COMPONENTS

Special controls for potential-free devices as well as radio controls for rollerdoors are completing the SELVE product range.


Decoupling relay contro M4 EGZ Switching device for 4 drives Ref. 299155

Radio control for doors Radio controls and hand-held transmitters
intronic
Wired controls


## Technical data

Dimensions: $86 \times 86 \times 55 \mathrm{~mm}$ Operating voltage:
$230 \mathrm{VAC} / 50-60 \mathrm{~Hz}$ 230 V AC / $50-60 \mathrm{~Hz}$
Battery: $1 \times$ CR 2032
Protection class: IP20 Permitted cambient temp $0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
Assembly: flush
$\varnothing 60 \times 40 \mathrm{~mm}$
Frequency: main-connected

## Product advantages:

- Status check shown on user-friendly display
- Easy setting due to pre-programming and textual operator guidance
- Automatic open and close at sunrise and sunset
- The automatic commands can easily be deactivated using the sliding switch
- Pleasant shadowing or ventilation because of free selectable intermediate positions
- Security due to holiday function
- No reprogramming after power failure
- Optional sun protection function when connected to the i-Light Sensor

Functional
Functional
description:


intronic
Wired controls
SELVE
Engineering in motion

Ref. Product description
Product illustration


298610 blind push button / switch
29861910 claw sets in one bag
Flush-mounted blind switch / push-button in intronic design. The clear 3-button structure with stop button enables an easy operation. The i-Switch Plus can be combined with other switch program ranges by using adapter frames.

## Technical data

Dimensions: $86 \times 86 \times 53 \mathrm{~mm}$ Product advantages: "UP", "STOP" and "DOWN"
Operating voltage: not necessary - Switchable push-button or switch functions
Battery: not necessary
Protection class: IP20
Permitted ambient temp.:
$0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
$\varnothing 60 \times 40 \mathrm{~mm}$
Frequency: main-connected

- Adaptation into switch program ranges is possible

Functional description:


## Product illustration

## Ref. Product description

i-Switch
298612 blind push button / switch (no adaptation into other switching programms)
29861910 claw sets in one bag
Flush-mounted blind switch / push-button in intronic design. The clear 3-button structure with stop button enables an easy operation.

## Technical data

Dimensions: $86 \times 86 \times 53 \mathrm{~mm}$
Operating voltage: not necess
Battery: not necessary
Protection class: IP20
Permitted ambient temp..
$0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
$0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
${ }^{\text {Assembly: flush-mounted box }}$
Frequency: main-connected

Product advantages:

- Operating buttons "UP", "STOP" and "DOWN"
- Switchable push-button or switch functions
- Claw assembly is possible

Functional
description:


Wired controls

| $\begin{array}{ll}\text { Product illustration } & \text { Ref. Product description }\end{array}$ |  |  |  |
| :---: | :---: | :---: | :---: |
|  | 298611 | i-Switch AP <br> blind switch / push button <br> Surface-mounted blind switch / push-button in intronic design. The clear 3-button structure with stop button enables an easy operation. Thanks to the surface-mounted assembly and the minimal dimensions the i-Switch is ideal for installations in which the decision of where the push button / switch will be positioned will only be made on-site. |  |
| Technical data <br> Dimensions: $52 \times 84 \times 60 \mathrm{~mm}$ <br> Operating voltage: not necessary | Product advantages: <br> - Operating buttons "UP", "STOP" and "DOWN" <br> - Switchable push-button or switch functions |  |  |
| Protection class: IP20 <br> Permitted ambient temp.: <br> $0^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ <br> Assembly: surface-mounted <br> Frequency: main-connected | Functional description: |  |  |

intronic accessories
Wired controls
SELVE

| Product illustration | Ref. | Product description <br> 298615 <br> 298617 | i-Light Sensor <br> light sensor with 2 m supply lead <br> light sensor with 5 m supply lead |
| :--- | :--- | :--- | :--- | :--- |


| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 290070 \\ & 290071 \\ & 290072 \\ & \\ & 290073 \\ & 290074 \\ & 290077 \end{aligned}$ | Adapter frames for switch ranges in alpine white for: <br> Jung topline, Jung LS 990 <br> Jung CD 500, Jung ST 550 <br> Jung A 500, A Plus <br> Berker S1 <br> Gira Standard System 55, Standard Event, Event, E2, Esprit <br> Merten M-Plan, M-Smart <br> Busch-Jaeger alpha-nea <br> Gira Standard <br> Berker ARSYS Surface program <br> without adapter frames suitable for Busch-Jaeger Duro 2000 SI, Busch-Jaeger Reflex SI |  |
| $ـ$ | $\begin{aligned} & 290051 \\ & 290052 \\ & 290053 \end{aligned}$ | Flange frame, Busch-Jäger Reflex SI, alpine white single <br> double <br> triple |  |
|  | $295007$ <br> 295008 | Decoupling relay <br> For the control of two mechanical drives with a roller shutter switch or a time switch. A second roller shutter button can be connected optionally; no single operation of the two motors is possible. When using several cut off relays there is the possibility of a central operation of several drives with additional single operation. With lose ground terminal. <br> Operating voltage: 230 V AC / $50-60 \mathrm{~Hz}$ <br> Current consumption: max. 5 A / 250 V AC <br> Dimensions: $50 \times 50 \times 21 \mathrm{~mm}$ <br> like article number 295007, but in plastic housing IP 44 ( $80 \times 80 \mathrm{~mm}$ ) | ( |

Timers
Wired controls


Timers
Wired controls
SELVE
Engineering in motion

Timers
Wired controls

| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 296005 | Timer, model: Rollmat <br> digital-timer, ultra white, flush-mounted, for installation into an existing flush-mounted box, battery back-up, for a single AC motor, option: day, week and astro program, random generator, with possibility to connect a sun and cullet sensor |  |
|  | 296015 | Sun sensor sun sensor for ref. 2960 05, 2 m cable |  |
|  | 296010 | Intermediate plate for Rollmat intermediate plate for Rollmat |  |
|  |  |  |  |

## Cut-off relays

SELVE
Engineering in motion
Product illustration Ref. Product description


## Switches, push-buttons

Wired controls


Other components
Wired controls


Other components
Wired controls
SELVE
Engineering in motion

| Product illustration | Ref. | Product description |  |
| :---: | :---: | :---: | :---: |
|  | 299155 | Relay control M4 EGZ control unit for 4 motors |  |
|  | 297000 | Potential-free timer, model: SELVETIMER <br> Design timer with astro-evening-programm, Light Sensor is connectable, silver display with flange frame in pure white |  |
|  | 290090 | Surface-mounted housing housing for surface mounting, white (similar to RAL 9010) |  |
|  | 297342 | Remote control system 433 MHz for garage doors <br> 1 channel, complete with relay for direct connection of an AC motor, terminals for safe edge control system, (if necessary an additional analysis unit has to be installed) light barrier, possibility to connect an external push button |  |
|  | 297344 | Hand-held transmitter for ref. 297342 2 channel, coding possible |  |
|  |  |  |  |



## Steel shafts, <br> telescopic shafts

| Product illustr | Ref. | cs. | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 243200 \\ & 243280 \end{aligned}$ | $5$ <br> 5 | Octagonal steel shafts $40 \times 0.6 \mathrm{~mm}$ <br> hot-dip galvanised steel, with various punch holes for several possibilities of fixing <br> with internal seam <br> length per piece 6 m (bundle 30 m ) <br> with external seam <br> length per piece 6 m (bundle 30 m ) |  |
|  | 243000 <br> 243080 <br> 243093 | 5 <br> 5 <br> 10 | Octagonal steel shafts $40 \times 0.8 \mathrm{~mm}$ <br> hot-dip galvanised steel, with various punch holes for several possibilities of fixing <br> with internal seam <br> length per piece 6 m (bundle 30 m ) <br> with external seam <br> length per piece 6 m (bundle 30 m ) <br> with external seam, fixed lengths <br> 2.00 m |  |
|  | $\begin{aligned} & 255100 \\ & 255105 \\ & 255111 \\ & 255113 \\ & \\ & 255120 \end{aligned}$ | 10 <br> 10 <br> 10 <br> 10 <br> 10 | Mini-telescopic shaft SW 40 <br> hot-dip galvanised steel, for octagonal steel shaft 40 <br> Length: $\mathbf{3 0 0} \mathbf{~ m m}$ <br> without cap, max. adjustable $x=150 \mathrm{~mm}$ <br> cap included ref. 2523 00, <br> internal pivot, max. adjustable $x=150 \mathrm{~mm}$ <br> cap included ref. 2523 11, <br> internal steel pivot and internal <br> hexagon, max. adjustable $x=150 \mathrm{~mm}$ <br> cap included ref. 2522 00, <br> external pivot $\emptyset 10 \mathrm{~mm}$, <br> max. adjustable $x=150 \mathrm{~mm}$ <br> Length: 1150 mm <br> without cap, max. adjustable $x=1000 \mathrm{~mm}$ | - |
|  |  |  |  |  |

## Steel shafts, telescopic shafts

SELVE
Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description | 244000 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- |

## Steel shafts, <br> telescopic shafts

| Product illustration | Ref. | Pcs./ | Product descriptio |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 243500 243501 243502 243503 243504 243505 243506 243507 243508 243509 243510 243511 243512 243513 243514 243515 243516 243517 243518 243519 243520 243521 243522 243523 | 5 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 | Octagonal steel shafts $60 \times 0.6 \mathrm{~mm}$ <br> hot-dip galvanised steel, with various punch holes for several possibilities of fixing <br> Meter <br> length per piece 6 m (bundle 30 m ) <br> Fixed lengths |  |
|  | 243600 | 4 | Octagonal steel shaft $60 \times 0.9 \mathrm{~mm}$ <br> hot-dip galvanised steel, with various punch holes for several possibilities of fixing <br> length per piece 6 m (bundle 24 m ) |  |
|  |  |  |  |  |

## Steel shafts, <br> telescopic shafts

SELVE
Engineering in motion

Pcs./PU Product description

\begin{tabular}{|c|c|c|c|}
\hline  \& \begin{tabular}{l}
\[
\begin{aligned}
\& 255300 \\
\& 255302
\end{aligned}
\] \\
255311 \\
255314 \\
255340 \\
255342 \\
255344 \\
255020
\end{tabular} \& 10
10
10
10
10

10
10
10
10

10 \& | Telescopic shaft 60, star shape |
| :--- |
| hot-dip galvanised steel, for octagonal steel shaft 60 |
| Length: $\mathbf{5 0 0} \mathrm{mm}$ |
| - on request also available with ball bearing or sliding bearing - |
| without cap, max. adjustable $x=250 \mathrm{~mm}$ cap included, ref. 253500 , pivot $\varnothing 12 \mathrm{~mm}$, max. adjustable $\mathrm{x}=250 \mathrm{~mm}$ cap included, ref. 250600 , pivot $\varnothing 12 \mathrm{~mm}$, max. adjustable $\mathrm{x}=250 \mathrm{~mm}$ cap included, ref. 2530 10, ball bearing intake $\emptyset 28 \mathrm{~mm}$, max. adjustable $x=250 \mathrm{~mm}$ |
| Length: 350 mm (without illustration) |
| - on request also available with ball bearing or sliding bearing - |
| without cap, max. adjustable $x=150 \mathrm{~mm}$ cap included, ref. 2535 00, pivot $\varnothing 12 \mathrm{~mm}$, max. adjustable $\mathrm{x}=150 \mathrm{~mm}$ cap included, ref. 2530 10, ball bearing intake $\emptyset 28 \mathrm{~mm}$, max. adjustable $x=150 \mathrm{~mm}$ |
| Length: 1150 mm (without illustration) |
| max. adjustable $\mathrm{x}=900 \mathrm{~mm}$ | <br>

\hline  \& \[
$$
\begin{aligned}
& 255051 \\
& 255052
\end{aligned}
$$

\] \& 25 \& | Telescopic shaft 60 |
| :--- |
| completely insertable, hot-dip galvanised steel, for octagonal steel shaft 60 |
| Length: $\mathbf{5 0 0} \mathrm{mm}$ |
| length: 500 mm , cap included, pivot $\emptyset 12 \mathrm{~mm}$, capsule is secured with a screw, max. adjustable $\mathrm{x}=250 \mathrm{~mm}$ |
| Length: $\mathbf{3 0 0} \mathbf{~ m m}$ (without illustration) |
| length: 300 mm , cap included, pivot $\emptyset 12 \mathrm{~mm}$, capsule is secured with a screw, max. adjustable $x=150 \mathrm{~mm}$ (without picture) | <br>

\hline \& \& \& <br>
\hline
\end{tabular}

## Steel shafts, <br> telescopic shafts

| Product illustration | Ref. |  | Pcs./PU |  |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  | Product description <br> Octagonal steel shaft $70 \times 1.0 \mathrm{~mm}$ <br> hot-dip galvanised steel, with various punch holes for <br> several possibilities of fixing <br> material sold by the metre |  |

Pulleys,
counter plates
SELVE
Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 138000 \\ & 138100 \\ & 138200 \\ & 138202 \\ & 138204 \\ & 138300 \\ & 138400 \\ & 138510 \\ & 138501 \\ & 138500 \\ & 138600 \\ & 138700 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Mini pulleys for 14 / 15 mm strap <br> plastic, for steel shaft 40 |  |
|  | $\begin{aligned} & 138220 \\ & 138420 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \end{aligned}$ | Mini cord pulleys <br> plastic, for steel shaft 40 $\begin{aligned} & \mathrm{D}=\varnothing 114 \mathrm{~mm}, \mathrm{~d}=\varnothing \quad 75 \mathrm{~mm} \\ & \mathrm{D}=\varnothing \quad 138 \mathrm{~mm}, \mathrm{~d}=\varnothing \quad 100 \mathrm{~mm} \end{aligned}$ |  |
|  | $\begin{aligned} & 138001 \\ & 138101 \\ & 138201 \\ & 138203 \\ & 138401 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Mini counter plates <br> plastic, for steel shaft 40 |  |
|  | $\begin{aligned} & 132000 \\ & 132001 \\ & 132002 \\ & 132003 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Mini pulleys for steel shaft 40 with cap, short external steel pivot $\varnothing 10 \mathrm{~mm}$, plastic, for steel shaft 40 $\begin{array}{lll} \mathrm{D}=\emptyset & 85 \mathrm{~mm}, \mathrm{~d}=\varnothing & 47 \mathrm{~mm} \\ \mathrm{D}=\emptyset & 100 \mathrm{~mm}, \mathrm{~d}=\varnothing & 64 \mathrm{~mm} \\ \mathrm{D}=\varnothing & 114 \mathrm{~mm}, \mathrm{~d}=\varnothing & 75 \mathrm{~mm} \\ \mathrm{D} & =\varnothing & 140 \mathrm{~mm}, \mathrm{~d}=\varnothing \\ 100 \mathrm{~mm} \end{array}$ |  |
|  |  |  |  |  |

Pulleys,
counter plates


Pulleys,
counter plates
SELVE
Engineering in motion

[^8]Pulleys SW 40 for 23 mm strap can be found on page 152

Pulleys, counter plates

SELVE
Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 134660 \\ & 134560 \end{aligned}$ | $\begin{aligned} & 50 \\ & 50 \end{aligned}$ | Pulley for steel shaft 50 for 23 mm strap <br> plastic, for steel shaft 50 $\begin{aligned} & \mathrm{D}=\emptyset 170 \mathrm{~mm}, \mathrm{~d}=\varnothing 120 \mathrm{~mm} \\ & \mathrm{D}=\varnothing 190 \mathrm{~mm}, \mathrm{~d}=\varnothing 135 \mathrm{~mm} \end{aligned}$ |  |
|  | $\begin{aligned} & 134400 \\ & 134600 \\ & 134500 \\ & 134700 \\ & 134681 \end{aligned}$ | $\begin{gathered} 100 \\ 50 \\ 50 \\ 50 \\ 100 \end{gathered}$ | Pulley for steel shaft 60 for $\mathbf{2 3} \mathbf{~ m m}$ strap <br> plastic, for steel shaft 60 $\begin{aligned} & \mathrm{D}=\emptyset \quad 130 \mathrm{~mm}, \mathrm{~d}=\varnothing \quad 90 \mathrm{~mm} \\ & \mathrm{D}=\emptyset \quad 170 \mathrm{~mm}, \mathrm{~d}=\varnothing 127 \mathrm{~mm} \\ & \mathrm{D}=\varnothing 190 \mathrm{~mm}, \mathrm{~d}=\varnothing 127 \mathrm{~mm} \\ & \mathrm{D}=\varnothing 215 \mathrm{~mm}, \mathrm{~d}=\varnothing 164 \mathrm{~mm} \\ & \mathrm{D}=\varnothing 160 \mathrm{~mm}, \mathrm{~d}=\varnothing 100 \mathrm{~mm} \end{aligned}$ |  |
|  | 134100 <br> 134000 <br> 134001 | $\begin{aligned} & 50 \\ & 50 \\ & 50 \end{aligned}$ | Pulley for steel shaft 60 with cap for 23 mm strap plastic, with steel pivot $\varnothing 12 \mathrm{~mm}$ for steel shaft 60 $\begin{aligned} & \mathrm{D}=\emptyset 170 \mathrm{~mm}, \mathrm{~d}=\emptyset 120 \mathrm{~mm} \\ & \mathrm{D}=\emptyset 190 \mathrm{~mm}, \mathrm{~d}=\emptyset 145 \mathrm{~mm} \\ & \mathrm{D}=\varnothing 190 \mathrm{~mm}, \mathrm{~d}=\varnothing 120 \mathrm{~mm} \end{aligned}$ |  |
|  | $\begin{aligned} & 135000 \\ & 135010 \end{aligned}$ | $\begin{aligned} & 50 \\ & 50 \end{aligned}$ | Counter plates <br> plastic, for steel shaft 60 $\begin{array}{lll} \mathrm{D}=\emptyset & 180 \mathrm{~mm} \\ \mathrm{D}=\emptyset & 225 \mathrm{~mm} \end{array}$ |  |
|  | $\begin{aligned} & 134420 \\ & 134421 \end{aligned}$ | $\begin{aligned} & 100 \\ & 250 \end{aligned}$ | Pulley for steel shaft 40 for $\mathbf{2 3} \mathbf{m m}$ strap plastic, for steel shaft 40 $\begin{aligned} & \mathrm{D}=\varnothing 130 \mathrm{~mm}, \mathrm{~d}=\varnothing 47 \mathrm{~mm} \\ & \mathrm{D}=\varnothing 150 \mathrm{~mm}, \mathrm{~d}=\varnothing 47 \mathrm{~mm} \end{aligned}$ |  |
|  | 138681 | 100 | Pulley for steel shaft $\mathbf{4 0}$ for $\mathbf{2 3} \mathbf{~ m m}$ strap plastic, for steel shaft 40 $D=\emptyset 160 \mathrm{~mm}, \mathrm{~d}=\varnothing 100 \mathrm{~mm}$ |  |

SELVE
Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 252501 \\ & 252580 \end{aligned}$ | $\begin{aligned} & 100 \\ & 250 \end{aligned}$ | Mini cap for tubes, for sliding or ball bearing $\emptyset 28 \mathrm{~mm}$, plastic, for steel shaft 40, max. adjustable 50 mm <br> long, with end stop long, with stop, with pressed in sliding bearing, article number 181800 (without illustration) |  |
|  | 252201 | 100 | Mini cap for tubes, for sliding or ball bearing $\emptyset 28 \mathrm{~mm}$, plastic, for steel shaft 40 short, without pulley head |  |
|  | $\begin{aligned} & 259100 \\ & 259101 \\ & 259150 \end{aligned}$ | $\begin{aligned} & 250 \\ & 250 \\ & 250 \end{aligned}$ | Mini adapter rings for steel shaft 40 <br> steel shaft $40 \times 0.6 \mathrm{~mm}$, with external seam, to increase to $\mathrm{D}=50 \mathrm{~mm}$ <br> steel shaft $40 \times 0.8 \mathrm{~mm}$ to increase to $\mathrm{D}=50 \mathrm{~mm}$ <br> steel shaft $40 \times 0.6$ or 0.8 mm <br> to increase to $\mathrm{D}=60 \mathrm{~mm}$ |  |
|  | 259110 | 250 | Mini adapter rings for steel shaft 40, to be clipped on, with intake for safety and fixing springs <br> steel shaft $40 \times 0.6 \mathrm{~mm}$ and $40 \times 0.8 \mathrm{~mm}$, to increase to $\mathrm{D}=53 \mathrm{~mm}$ |  |
|  | 254730 | 100 | Cap for tubes for steel shaft 50, long, for mini pulley and counter plates, max. adjustable 60 mm with intake for ball-bearing, $\varnothing 28 \mathrm{~mm}$ |  |
|  | 254732 | 100 | Cap for tubes for steel shaft 50, long, for mini pulley and counter plates, max. adjustable 60 mm with external steel pivot, $\varnothing 10 \mathrm{~mm}, 13 \mathrm{~mm}$ long |  |

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Engineering in motion

| Ref. | Pcs./PU | Product description <br> pup for tubes for steel shaft 60 , with intake for mina shaft 40, internal steel pivot <br> $\varnothing 10 \mathrm{~mm}$, plastic <br> length: 100 mm |
| :--- | :--- | :--- | :--- | :--- |

## Caps for tubes

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 254000 | 100 | Cap for tubes, plastic, with steel pivot $\emptyset 12 \mathrm{~mm}$ for steel shaft 70 <br> for pulley for steel shaft 60, - for strap operation only - |  |
|  | 259160 <br> 259170 | $\begin{aligned} & 200 \\ & 200 \end{aligned}$ | Adapter ring for steel shaft 70 <br> for steel shaft $70 \times 1.0 \mathrm{~mm}$ to increase to $\mathrm{D}=\varnothing 83 \mathrm{~mm}$ for steel shaft $70 \times 1.2 \mathrm{~mm}$ und $\mathrm{SW} 70 \times 1.5 \mathrm{~mm}$ to increase to $D=\varnothing 105 \mathrm{~mm}$ |  |
|  |  |  |  |  |

Ball bearings,
supports for screw fixing
SELVE
Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{array}{\|l\|} 181400 \\ 181401 \\ 181700 \\ 181701 \end{array}$ | $\begin{aligned} & 100 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Mini ball bearing with steel inner ring $\begin{aligned} & \mathrm{D}=\emptyset 10 \mathrm{~mm}, \text { with collar } \\ & \mathrm{D}=\emptyset 10 \mathrm{~mm}, \text { without collar } \\ & \mathrm{D}=\emptyset 12 \mathrm{~mm} \text {, with collar } \\ & \mathrm{D}=\varnothing 12 \mathrm{~mm} \text {, without collar } \end{aligned}$ |  |
|  | 181410 <br> 181411 <br> 181710 <br> 181711 | $\begin{aligned} & 100 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Mini ball bearing with plastic inner ring $\begin{aligned} & \mathrm{D}=\emptyset 10 \mathrm{~mm} \text {, with collar } \\ & \mathrm{D}=\emptyset 10 \mathrm{~mm} \text {, without collar } \\ & \mathrm{D}=\varnothing 12 \mathrm{~mm} \text {, with collar } \\ & \mathrm{D}=\varnothing 12 \mathrm{~mm} \text {, without collar } \end{aligned}$ |  |
|  | $\begin{aligned} & 181500 \\ & 181501 \\ & 181800 \\ & 181801 \end{aligned}$ | $\begin{aligned} & 500 \\ & 500 \\ & 500 \\ & 500 \end{aligned}$ | Mini sliding bearing, plastic $\begin{aligned} & \mathrm{D}=\emptyset 10 \mathrm{~mm} \text {, with collar } \\ & \mathrm{D}=\emptyset 10 \mathrm{~mm} \text {, without collar } \\ & \mathrm{D}=\varnothing 12 \mathrm{~mm} \text {, with collar } \\ & \mathrm{D}=\varnothing 12 \mathrm{~mm} \text {, without collar } \end{aligned}$ |  |
|  | 180900 | 250 | Mini surface mounted bearing bracket plastic |  |
|  | 190800 | 250 | Mini surface mounted bracket, die-casted with fixed pivot, $\varnothing 11.8 \mathrm{~mm}$ |  |
|  | 191000 | 50 | Bearing pivot <br> for Profine Varinova system, $\varnothing 12 \mathrm{~mm}$ |  |

## Ball bearings, <br> supports for screw fixing

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 190820 | 100 | Cap for external strap operation for front mounting 36 mm deep, only for ref. 138000 |  |
|  | 190821 | 100 | Cap for external strap operation for front mounting 52 mm deep, only for ref. 138000 |  |
|  | 190801 | 250 | Mini surface mounted bracket, die-casted for pivot $\emptyset 11.8 \mathrm{~mm}$, open |  |
|  | 190702 | 250 | Pivot for mini surface mounted bracket, die-casted pivot, $\varnothing 11.5$ mm, for ref. 190801 |  |
|  | $\begin{aligned} & 191801 \\ & 191601 \end{aligned}$ | $\begin{aligned} & 500 \\ & 500 \end{aligned}$ | Mini surface mounted sliding bearing, plastic open, for pivot $\emptyset 10 \mathrm{~mm}, \mathrm{x}=16 \mathrm{~mm}$ like ref. 1918 01, but x = 20 mm (no picture) |  |
|  | 181900 | 500 | Sliding bearing with plastic inner ring $\mathrm{D}=\varnothing 12 \mathrm{~mm}$ |  |

Ball bearings,
supports for screw fixing
SELVE
Engineering in motion

| Product illustration | Ref. | cs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 182000 \\ & 182003 \\ & 182201 \\ & 182204 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Ball bearing with plastic inner ring $\begin{aligned} & \mathrm{D}=\emptyset 12 \mathrm{~mm} \\ & \mathrm{D}=\emptyset 10 \mathrm{~mm} \\ & \mathrm{D}=\emptyset 17 \mathrm{~mm} \\ & \mathrm{D}=\emptyset 15 \mathrm{~mm} \end{aligned}$ |  |
|  | 182020 | 100 | Ball bearing with metal inner ring $\varnothing 12$ mm |  |
|  | 182001 | 100 | Ball bearing with plastic inner ring ф 40 mm , with inner square 15.2 mm |  |
|  | 182300 | 100 | Ball bearing with plastic inner ring $\emptyset 50 \mathrm{~mm}$, with inner square 18 mm |  |
|  | 180000 | 250 | Surface mounted bracket for ball bearing $\varnothing 40 \mathrm{~mm}$ galvanized, wide version |  |
|  | 180001 | 250 | Surface-mounted bracket for ball-bearing $\emptyset 40 \mathrm{~mm}$ <br> galvanized, narrow version |  |

## Ball bearings, supports for screw fixing

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 180003 | 100 | Surface-mounted bracket for ball-bearing $\varnothing 40 \mathrm{~mm}$ <br> galvanized, three pieces, with cheesehead screws |  |
|  | 180100 | 100 | Surface-mounted bearing for ball-bearing $\emptyset 40 \mathrm{~mm}$ cast cas |  |
|  | 196600 | 50 | Ball bearing mount <br> Casted ball-bearing mount for ball-bearing $\emptyset 50 \mathrm{~mm}$, single |  |
|  | 181000 | 100 | Flush-mounted bracket for ball-bearing $\emptyset 40 \mathrm{~mm}$ web $B=30 \mathrm{~mm}, \mathrm{~L}=95 \mathrm{~mm}$ |  |
|  | 183000 | 250 | Prefabricated roller shutter box bracket, galvanized, adjustable, for ball-bearing $\emptyset 40 \mathrm{~mm}$ without outreach |  |
|  | 183022 <br> 183050 | $\begin{aligned} & 250 \\ & 250 \end{aligned}$ | Prefabricated roller shutter box bracket, galvanized, adjustable, with ball-bearing $\emptyset 40 \mathrm{~mm}$ <br> without outreach, with ball-bearing ref. 1820 00, both lugs flipped <br> like no. 1830 22, height adjustable (without illustration) |  |

Ball bearings,
supports for screw fixing
SELVE

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 183210 183211 183212 | $\begin{aligned} & 50 \\ & 25 \\ & 50 \end{aligned}$ | Prefabricated roller shutter box bracket, galvanized, adjustable, for ball-bearing $\emptyset 40 \mathrm{~mm}$ <br> outreach L = 35 mm <br> outreach $L=85 \mathrm{~mm}$ <br> outreach $\mathrm{L}=100 \mathrm{~mm}$ |  |
|  | 183200 183201 183202 | $\begin{aligned} & 25 \\ & 25 \\ & 50 \end{aligned}$ | Prefabricated roller shutter box bracket, galvanized, heavy-duty version, for ball-bearing $\varnothing 40 \mathrm{~mm}$ <br> outreach $L=35 \mathrm{~mm}$ <br> outreach $L=85 \mathrm{~mm}$ <br> outreach $\mathrm{L}=100 \mathrm{~mm}$ |  |
|  | $\begin{aligned} & 195202 \\ & 195203 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \end{aligned}$ | Multi-purpose bracket for $\emptyset 40 \mathrm{~mm}$ ball bearing, galvanized <br> $140 \times 104 \mathrm{~mm}$, bearing bracket left <br> $140 \times 104 \mathrm{~mm}$, bearing bracket right (without picture) |  |
|  | $\begin{aligned} & 195210 \\ & 195211 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \end{aligned}$ | Multi-purpose bracket for $\varnothing 40 \mathrm{~mm}$ ball bearing, galvanized <br> $129 \times 80 \mathrm{~mm}$, bearing bracket left <br> $129 \times 80 \mathrm{~mm}$, bearing bracket right (without picture) |  |
|  | 195500 | 100 | Multi-purpose bracket for $\varnothing 40 \mathrm{~mm}$ ball bearing, galvanized <br> $104 \times 100 \mathrm{~mm}$, central bearing bracket |  |
|  | 195502 | 100 | Multi-purpose bracket for $\varnothing 40 \mathrm{~mm}$ ball bearing, galvanized $100 \times 100 \mathrm{~mm}$ |  |

## Ball bearings, supports for screw fixing

## Safety and fixing springs

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Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 183260 | 50 | Bracket holder <br> Speedy-Clip system |  |
|  | 271413 | 100 | Universal bearing plate, galvanized $100 \times 100 \mathrm{~mm}$, for Veka system |  |
|  | 183500 | 250 | Clamp, galvanized straight |  |
|  | 183501 | 250 | Clamp, galvanized angled |  |
|  | 183300 | 50 | Universal bearing plate, galvanized <br> for horizontal readjusting of prefabricated roller shutter box brackets, adjusting range 30 mm |  |
| 164 |  |  |  |  |


|  | 154102 154104 154103 | $\begin{aligned} & 250 \\ & 250 \\ & 250 \end{aligned}$ | Mini safety and fixing spring, spring steel and aluminium profile, untreated, slot-in type $\begin{aligned} & x=123 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \\ & x=136 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \\ & x=158 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
|  | 154200 154201 154207 | $\begin{aligned} & 250 \\ & 250 \\ & 250 \end{aligned}$ | Mini safety and fixing spring, spring steel and aluminium profile, plastic-coated, screw-in type $\begin{aligned} & x=125 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \\ & x=160 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \\ & \mathrm{x}=136 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \end{aligned}$ |
|  | $\begin{aligned} & 154202 \\ & 154203 \\ & 154204 \\ & 154205 \\ & 154242 \end{aligned}$ | $\begin{aligned} & 250 \\ & 250 \\ & 250 \\ & 250 \\ & 250 \end{aligned}$ | Mini safety and fixing spring, spring steel and aluminium profile, plastic-coated, slot-in type $\begin{aligned} & x=123 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \\ & x=158 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \\ & x=136 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \\ & x=174 \mathrm{~mm}, 0.2 \mathrm{~mm} \text { thick } \\ & x=198 \mathrm{~mm}, 0.25 \mathrm{~mm} \text { thick } \end{aligned}$ |
|  | $\begin{aligned} & 154402 \\ & 154405 \end{aligned}$ | $\begin{aligned} & 250 \\ & 250 \end{aligned}$ | Mini safety and fixing spring, spring steel and plastic profile, untreated, slot-in type $\begin{aligned} & x=135 \mathrm{~mm}, 0.25 \mathrm{~mm} \text { thick } \\ & \mathrm{x}=170 \mathrm{~mm}, 0.25 \mathrm{~mm} \text { thick } \end{aligned}$ |
|  | $\begin{aligned} & 154542 \\ & 154543 \\ & 154544 \\ & 154545 \end{aligned}$ | $\begin{aligned} & 250 \\ & 250 \\ & 250 \\ & 250 \end{aligned}$ | Mini safety and fixing spring, spring steel and aluminium profile, flocked, slot-in type $\begin{aligned} & x=123 \mathrm{~mm}, \mathrm{~b}=100 \mathrm{~mm}, 0.25 \mathrm{~mm} \text { thick } \\ & \mathrm{x}=158 \mathrm{~mm}, \mathrm{~b}=100 \mathrm{~mm}, 0.25 \mathrm{~mm} \text { thick } \\ & \mathrm{x}=136 \mathrm{~mm}, \mathrm{~b}=100 \mathrm{~mm}, 0.25 \mathrm{~mm} \text { thick } \\ & \mathrm{x}=174 \mathrm{~mm}, \mathrm{~b}=100 \mathrm{~mm}, 0.25 \mathrm{~mm} \text { thick } \end{aligned}$ |
|  | $\begin{aligned} & 154572 \\ & 154573 \\ & 154574 \\ & 154575 \end{aligned}$ | $\begin{aligned} & 250 \\ & 250 \\ & 250 \\ & 250 \end{aligned}$ | Mini safety and fixing spring, spring steel and aluminium profile, flocked, slot-in type $\mathrm{x}=123 \mathrm{~mm}, \mathrm{~b}=100 \mathrm{~mm}, 0.25 \mathrm{~mm}$ thick $\mathrm{x}=158 \mathrm{~mm}, \mathrm{~b}=100 \mathrm{~mm}, 0.25 \mathrm{~mm}$ thick $x=136 \mathrm{~mm}, \mathrm{~b}=100 \mathrm{~mm}, 0.25 \mathrm{~mm}$ thick $x=174 \mathrm{~mm}, b=100 \mathrm{~mm}, 0.25 \mathrm{~mm}$ thick |

## Safety and fixing springs

## Safety and fixing springs

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Engineering in motion
$\left.\begin{array}{ll|l|l|l|l}\text { Pcs./PU } & & \begin{array}{l}\text { Product description }\end{array} \\ \text { Safety and fixing springs, spring steel and aluminium } \\ \text { profile, flocked, slot-in type } \\ \text { x=198 } \mathrm{mm}, \mathrm{b}=100 \mathrm{~mm}, 0.3 \mathrm{~mm} \text { thick }\end{array}\right]$

Product illustration
Ref.
Pcs./PU

154411
250

Safety and fixing spring, spring steel and plastic
profile, untreated, slot-in type
$x=198 \mathrm{~mm}, 0.25 \mathrm{~mm}$ thick

## Note: Use of springs

The quantity and length of the to be used springs depends on different factors like roller shutter weight, profile shape, size of the roller shutter box etc. and has determined individually.

|  | $\begin{aligned} & 154040 \\ & 154041 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \end{aligned}$ | Latch <br> length $\mathrm{x}=130 \mathrm{~mm}$ <br> length $\mathrm{x}=185 \mathrm{~mm}$ |
| :---: | :---: | :---: | :---: |
|  | 269900 | 2000 | Hanging loop with wire hooks <br> for the fixing of the roller shutter slats onto the octagonal shaft |
|  | $\begin{aligned} & 265210 \\ & 265211 \end{aligned}$ | $\begin{gathered} 10 \\ 1000 \end{gathered}$ | Fixing strap only for article number 269900 for the fixing of the roller shutter slats onto the octagonal shaft <br> strength rating approx. 340 daN, thickness ca. $0,9 \mathrm{~mm}$, width 23 mm colour cream, material polypropylene <br> 50 m roll <br> 30 cm long |
|  |  |  |  |

Burglar-proof fixations, blocking springs


Burglar-proof fixations, blocking springs

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Note: Use of burglar-proof fixations and blocking springs
Burglar-proof fixations and blocking springs may only be used in connection with tubular drives and according to the corresponding installation instruction.
Burglar-proof fixations and blocking springs are intended for the use with mini roller shutter profiles. When using with build in profiles or rather rolling gates the slide-in profile or compensation profile (article numbers 289122 and 2891 23) can be used if necessary.

Stoppers,
angle stoppers


Stoppers,
angle stoppers
SELVE
Engineering in motion
Product illustration

|  |  | Angle stopper, with pressed-in back panel plate |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| grey |  |  |

## Pressure rolls, iron weightings, angle stoppers



Strap guides, strap rollers

SELVE
Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 170100 | 250 | Mini strap guide, plastic, round, up to 18 mm strap white, straight slot |  |
|  | $\begin{aligned} & 170900 \\ & 170901 \end{aligned}$ | $\begin{aligned} & 250 \\ & 250 \end{aligned}$ | Mini strap guide, plastic, up to 18 mm strap, 6 mm deep <br> white, straight slot white, inclined slot |  |
|  | $\begin{aligned} & 176110 \\ & 176111 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \end{aligned}$ | Mini strap guide, plastic, up to 15 mm strap white, with brush, Exte system brown, with brush, Exte system (without picture) |  |
|  | $\begin{aligned} & 176120 \\ & 176121 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \end{aligned}$ | Mini strap guide, plastic, up to 15 mm strap white, with brush, Exte system, 23 mm strap brown, with brush, Exte system, 23 mm strap (without picture) |  |
|  | $\begin{aligned} & 176115 \\ & 176116 \\ & 176113 \\ & 176114 \end{aligned}$ | $\begin{aligned} & 500 \\ & 500 \\ & 100 \\ & 100 \end{aligned}$ | Mini strap guide, plastic, up to 15 mm strap white, with brush, Profine system brown, with brush, Profine system (without picture) white, with brush, Inoutic system (without picture) brown, with brush, Inoutic system (without picture) |  |
|  | $\begin{aligned} & 176200 \\ & 176201 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \end{aligned}$ | Mini wallplug strap guide, plastic, up to 15 mm strap <br> white <br> brown |  |

## Strap guides, <br> strap rollers



Strap guides,
strap rollers
SELVE
Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 172100 | 100 | Mini strap roller, galvanized, white rollers up to 18 mm strap |  |
|  | 172110 | 100 | Mini strap roller, galvanized, white rollers up to 15 mm strap |  |
|  | 174600 | 100 | Mini strap roller, white rollers up to 18 mm strap |  |
|  | $\begin{aligned} & 176000 \\ & 176010 \\ & 176001 \\ & 176011 \\ & \\ & 176002 \\ & 176012 \\ & 176015 \end{aligned}$ | $\begin{aligned} & 200 \\ & 100 \\ & 100 \\ & 100 \\ & \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Cord guides up to $\varnothing 5$ mm cord with coil spring <br> white <br> brown <br> without coil spring <br> white <br> brown <br> coil spring for ref. 176001 and 176011 <br> length: 100 mm <br> length: 200 mm (no picture) <br> length: 400 mm (no picture) |  |
|  |  |  |  |  |

## Strap guides, <br> strap rollers



Strap guides,
strap rollers
SELVE
Engineering in motion


## Strap guides, <br> strap rollers

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 170800 \\ & 170801 \end{aligned}$ | $\begin{aligned} & 50 \\ & 50 \end{aligned}$ | Strap guide for closing latch, for up to 23 mm strap, meets ENEV requirements class 2 , white, adhesive sealing frame, flexible assembly, useable directly at the reveal <br> straight $/ 90^{\circ}$ <br> incline / $45^{\circ}$ |  |
|  | $\begin{aligned} & 175100 \\ & \\ & 175101 \\ & 175102 \end{aligned}$ | $\begin{aligned} & 100 \\ & \\ & 100 \\ & 100 \end{aligned}$ | Strap guide for flush-mounting, plastic, up to 23 mm strap, 2 pieces, snap-in, meets ENEV requirements <br> basic unit <br> latch for ref. 175100 <br> flush-mounting cover with strap holder for ref. 175100 (not illustrated) |  |
|  | 171301 | 250 | Strap guide for flush-mounting, plastic, up to 23 mm strap, with 2 fixing angles <br> height: 23 mm , airtight, with brush insert |  |
|  | $\begin{aligned} & 171401 \\ & 171402 \end{aligned}$ | $\begin{aligned} & 250 \\ & 100 \end{aligned}$ | Strap guide for flush-mounting, plastic, up to 23 mm strap, with frame, meets ENEV requirements <br> $x=23 \mathrm{~mm}$, airtight, with brush insert <br> $x=35 \mathrm{~mm}$, with brush insert and roll |  |
|  | $\begin{aligned} & 171701 \\ & 171702 \end{aligned}$ | $\begin{aligned} & 250 \\ & 100 \end{aligned}$ | Strap guide for flush-mounting, plastic, up to 23 mm strap, with frame, meets ENEV requirements <br> $x=32 \mathrm{~mm}$, airtight, with brush insert <br> $x=45 \mathrm{~mm}$, with brush insert and roller |  |

## Strap guides, strap rollers

SELVE
Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 175200 \\ & 175210 \\ & 175214 \\ & 175214 \\ & \\ & \\ & \\ & \\ & \\ & \\ & \end{aligned}$ | 100 <br> 100 <br> 100 <br> 100 <br> 100 | Strap guide for flush-mounting, up to 23 mm strap, meets ENEV requirements class 2 <br> basic unit with flush-mounting cover and insulation <br> like ref. 175200 , but $x=74 \mathrm{~mm}$ <br> like ref. 175200 , but $x=114 \mathrm{~mm}$ <br> like ref. 175200 , but $x=174 \mathrm{~mm}$ <br> NEW in catrovie <br> NEW in inatiosue <br> NEW in cationsue <br> latch for article number 1752 00, with roll and brush seal |  |
|  | $175300$ <br> 175301 | 100 $100$ | Strap guide for flush-mounting, plastic, up to 23 mm strap, round, 2 pieces, snap-in, meets ENEV requirements <br> basic unit <br> latch for article number 175300 |  |
|  | $\begin{aligned} & 175400 \\ & 175401 \end{aligned}$ | 50 50 | Strap guide for flush-mounting boxes, up to 23 mm strap, meets ENEV requirements <br> two pieces, with flush mounting cover, strap roller and two brushes <br> two-parts, with flush-mounting cover, strap roller and two brushes, length 70 mm (without picure) |  |

## Strap guides, strap rollers

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 175500 | 100 | Strap guide for flush-mounting boxes, up to 23 mm strap, meets ENEV requirements class 2 <br> two pieces, with flush mounting cap, strap roller and two brushes |  |
|  | 175510 | 100 | Extension cover for flush-mounting strap guides white, extension by 10 mm |  |
|  | 175511 | 100 | Cover frame for flush-mounting strap guides white, for surface-mounted assembly |  |
|  | 175501 | 100 | Extension for flush-mounting strap guides 20 mm long, uninsulated |  |
| is | 175502 <br> 175505 <br> 175507 | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | Extension for flush-mounting strap guides 90 mm long, uninsulated 180 mm long, with insulation 220 mm long, with insulation |  |
|  | 175520 | 100 | Electric junction box <br> white, with green cover, airtight, thermally insulated |  |

Strap guides,
strap rollers
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Engineering in motion

## Strap guides, <br> strap rollers

Product illustration

Strap coilers, cord coilers, straps, cover plates

SELVE
Engineering in motion

## Strap coilers, cord coilers, straps, cover plates

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 087001 <br> 087050 <br> 087051 <br> 087011 <br> 087060 <br> 087061 | $\begin{aligned} & 20 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \end{aligned}$ | Mini strap coiler for strap tension gear swivelling, for 15 mm strap <br> white <br> without strap, spring tensioned <br> with 9.0 m strap <br> with 11.0 m strap <br> brown <br> without strap, spring tensioned <br> with 9.0 m strap <br> with 11.0 m strap |  |
|  | 087101 <br> 087111 | $10$ $10$ | Mini cord coiler for strap tension gear <br> swivelling, for cord $\emptyset$ 4.0-4.5 mm, cord absorption approx. 9 m <br> white <br> without cord, spring tensioned <br> brown <br> without cord, spring tensioned |  |
|  | 084401 084403 <br> 084441 084443 | $\begin{aligned} & 50 \\ & 50 \\ & 50 \\ & 50 \end{aligned}$ | Mini cord coiler <br> hinged, swivelling, for $\varnothing$ 4.0-4.2 mm cord <br> white <br> without cord, spring tensioned <br> with 5.0 m cord, colour white/black <br> brown <br> without cord, spring tensioned <br> with 5.0 m cord, colour white/black |  |
|  | 087401 087406 <br> 087441 087446 | $\begin{aligned} & 25 \\ & 25 \\ & 25 \\ & 25 \end{aligned}$ | Mini cord coiler <br> hinged, swivelling, for $\varnothing$ 4.0-4.2 mm cord <br> white <br> for 6.5 m cord, without cord, spring tensioned with 6.5 m cord, colour white/black <br> brown <br> for 6.5 m cord, without cord, spring tensioned with 6.5 m cord, colour white/black |  |
|  |  |  |  |  |

Strap coilers, cord coilers, straps, cover plates

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Engineering in motion


## Strap coilers, cord coilers, straps, cover plates



## Strap coilers, cord coilers, straps, cover plates

SELVE


## Strap coilers, cord coilers, straps, cover plates

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 113001 <br> 113000 | 50 5 | Reduction gear flush-mounted strap coiler <br> for the use with strap tension gear and flush-mounted box no. 1473 01, white cover plate, spring tensioned, for 23 mm strap <br> without strap, $\mathrm{h}=160 \mathrm{~mm}, \mathrm{~S}=70-96 \mathrm{~mm}$, spring box $\varnothing 85 \mathrm{~mm}$ <br> with 12 m strap, Dicke $1,3 \mathrm{~mm}, \mathrm{~h}=160 \mathrm{~mm}$, $\mathrm{S}=70-96 \mathrm{~mm}$, spring box $\emptyset 85 \mathrm{~mm}$ |  |
|  | $\begin{aligned} & 101100 \\ & 110200 \\ & 110201 \\ & 110206 \\ & 110300 \\ & 110306 \\ & 110603 \end{aligned}$ | 25 25 25 25 10 10 25 | Reduction gear flush-mounted strap coiler <br> for the use with strap tension gear, galvanized, white cover plate, for 23 mm strap <br> strap capacity approx. 13.5 m , spring not tensioned, spring box $\emptyset 115 \mathrm{~mm}$ <br> strap capacity approx. 12 m , spring not tensioned, two armed (not illustrated), spring box $\varnothing 95 \mathrm{~mm}$ strap capacity approx. 12 m , spring tensioned, spring box $\emptyset 95 \mathrm{~mm}$ <br> strap capacity approx. 5 m , spring tensioned, spring box $\emptyset 75 \mathrm{~mm}$ <br> strap capacity approx. 15 m , spring not tensioned, two armed (not illustrated), spring box $\varnothing 140 \mathrm{~mm}$ strap capacity approx. 12 m , spring tensioned, spring box $\varnothing 95 \mathrm{~mm}$ <br> strap capacity approx. 12.0 m , spring box $\varnothing 85 \mathrm{~mm}$ |  |
|  |  |  |  |  |

Strap coilers, cord coilers, straps, cover plates

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Strap coilers, cord coilers, straps, cover plates

| Product illustration |  | Ref./PU |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

Strap coilers, cord coilers, straps, cover plates

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Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 263510 263515 263517 | $\begin{gathered} 10 \\ 100 \\ 200 \end{gathered}$ | Strap strength rating approx. 280 daN, thickness approx. 1.5 mm , width 23 mm colour: cream, material: polypropylene 50 m roll 5 m roll 7 m roll |  |
|  | 263520 263525 263527 | $\begin{gathered} 10 \\ 100 \\ 100 \end{gathered}$ | Strap strength rating approx. 280 daN, thickness approx. 1.5 mm , width 23 mm colour: grey, material: polypropylene colour grey, 50 m roll colour grey, 5 m roll colour grey, 7 m roll |  |
|  | 263330 | 10 | Strap <br> Strength rating approx. 250 daN, thickness approx. <br> 1.4 mm, width 23 mm <br> colour: brown, material: polypropylene <br> 50 m roll |  |
|  | 263610 | 10 | Strap strength rating approx. 250 daN, thickness approx. 1.5 mm, width 23 mm colour: white, material: polypropylene 50 m roll |  |
|  | 265220 <br> 265225 <br> 265226 | $\begin{aligned} & 10 \\ & 10 \\ & 10 \end{aligned}$ | Build in reversal strap <br> strength rating approx. 350 daN, thickness approx. <br> 1.5 mm , width 22 mm <br> colour: grey/cream, material: polypropylene <br> 50 m roll <br> 50 m roll <br> 6 m roll |  |
|  | $\begin{array}{\|l\|} 265110 \\ 2651 \\ \hline \end{array}$ | $\begin{aligned} & 10 \\ & 50 \end{aligned}$ | Gear strap <br> strength rating approx. 430 daN, thickness approx. <br> 1.3 mm, width 22 mm <br> colour: cream, material: polypropylene <br> 50 m roll <br> 12 m roll |  |

## Strap coilers, cord coilers, straps, cover plates

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 265120 \\ & 265129 \end{aligned}$ | $\begin{aligned} & 10 \\ & 50 \end{aligned}$ | Gear strap <br> strength rating approx. 430 daN, thickness approx. <br> 1.3 mm , width 22 mm <br> colour: grey, material: polypropylene <br> 50 m roll <br> colour grey, 12 m roll |  |
|  | $\begin{aligned} & 265210 \\ & 265211 \end{aligned}$ | $\begin{gathered} 10 \\ 1000 \end{gathered}$ | Fastening strap only for ref. 269900 for the fixing of the roller shutter slats onto the octagonal shaft <br> strength rating approx. 340 daN, thickness approx. <br> 0.9 mm , width 23 mm <br> colour cream, material polypropylene <br> 50 m roll <br> 30 cm long |  |
|  | 157510 157502 157505 | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | Cord <br> Ø 4,2 mm, colour: white/black <br> roll of 100 m <br> 5 m cut to length <br> 6.5 m cut to length <br> NEW in catalogye |  |

## Note: Condition of strap

Straps are subject to natural abrasion and staining when used. At the winding capacity of the strap coilers the different available strap thicknesses have to be observed. The straps are made solely of plastic fibres. Possible mould formation can be put to the residues of organic adhesions.

Strap coilers, cord coilers, straps, cover plates

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Engineering in motion

Flush-mounted boxes

| Product illustration | Ref. | Pcs./P | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 147700 | 100 | Flush-mounted box, plastic, with plaster template for GURTOMAT strap coilers <br> for 5.3 m - strap coiler, ref. 101000 |  |
|  | 147800 | 25 | Flush-mounted box, plastic, with plaster template for GURTOMAT strap coilers <br> for 13.5 m-strap coiler, ref. 101100 and PARO coiler ref. 110600 |  |
|  | $\begin{aligned} & 147201 \\ & 147301 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \end{aligned}$ | Flush-mounted box, plastic, with plaster template for PARO strap coilers <br> for 3.5 m - strap coiler, $\mathrm{h}=136 \mathrm{~mm}, \mathrm{t}=140 \mathrm{~mm}$, ref. 110000 <br> for ref. 110100 and 1130 .., h = 161 mm , $\mathrm{t}=170 \mathrm{~mm}$ |  |
|  | $\begin{aligned} & 147320 \\ & 147321 \end{aligned}$ | $\begin{aligned} & 26 \\ & 18 \end{aligned}$ | Flush mounted box, thermally insulated, with plaster template <br> $\mathrm{a}=168 \mathrm{~mm}, \mathrm{~b}=148 \mathrm{~mm}$, for 110100 and $1106 \ldots$ <br> $a=238 \mathrm{~mm}, \mathrm{~b}=179 \mathrm{~mm}$, for $1130 \ldots$ and 101100 |  |
|  | 147330 | 12 | Flush-mounted box, thermally insulated, with plaster template, $\mathbf{4 5} \mathrm{mm}$ horizontal adjustment range 249 mm high, for $1101 \ldots$ and 1130 ... |  |
| 194 | 147331 | 12 | Flush-mounted box, thermally insulated, with plaster template, 45 mm horizontal adjustment range 499 mm high, for 1101 ... and 1130 ... |  |

Insulating mats, insect protection brushes

SELVE
Engineering in motion


| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 206120 \\ & 206100 \\ & 206110 \\ & 206111 \end{aligned}$ | $\begin{aligned} & 50 \\ & 10 \\ & 10 \\ & 10 \end{aligned}$ | Mini strap reduction gear, gear ratio 3:1 <br> steel shaft 40: max. shutter weight 35 kg steel shaft 60: max. shutter weight 30 kg without pulley with pulley $\varnothing 140$ mm, lateral space requirement 23 mm with pulley $\emptyset 160$ mm, lateral space requirement 23 mm with pulley $\emptyset 180$ mm, lateral space requirement 23 mm |  |
|  | $\begin{aligned} & 206220 \\ & 206200 \\ & 206210 \\ & 206211 \\ & 206230 \end{aligned}$ | 50 10 <br> 10 <br> 10 <br> 50 | Mini strap reduction gear, gear ratio 2:1 <br> steel shaft 40: max. shutter weight 25 kg steel shaft 60: max. shutter weight 20 kg <br> without pulley <br> with pulley $\varnothing 140$ mm, lateral space requirement 23 m with pulley $\emptyset 160$ mm, lateral space requirement 23 mm with pulley $\varnothing 180$ mm, lateral space requirement 23 mm like 2062 20, but strengthened for higher, dynamic force, without pulley |  |
|  | 136112 <br> 136113 <br> 136114 <br> 136115 <br> 136116 <br> 136100 <br> 136117 <br> 136118 <br> 136110 <br> 136119 <br> 136111 | $\begin{aligned} & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Pulleys <br> for ref. 206120 and 206220 <br> Ø 115 mm , max. strap capacity 3.70 m Ø 120 mm, max. strap capacity 4.40 m $\varnothing 125 \mathrm{~mm}$, max. strap capacity 5.10 m $\varnothing 130 \mathrm{~mm}$, max. strap capacity 6.00 m $\varnothing 135 \mathrm{~mm}$, max. strap capacity 6.80 m Ø 140 mm , max. strap capacity 7.50 m $\varnothing 150 \mathrm{~mm}$, max. strap capacity 9.00 m ø 155 mm , max. strap capacity 10.30 m Ø 160 mm , max. strap capacity 10.80 m Ø 165 mm , max. strap capacity 12.30 m Ø 180 mm , max. strap capacity 15.40 m |  |
| $196$ | 271001 | 50 | Coupling for octagonal steel shaft 40 plastic |  |


|  | Ref. | Pcs./PU | Product description |
| :--- | :--- | :--- | :--- | :--- | :--- |

[^9]Mini gear coilers can be found on page 184

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 207700 <br> 207701 <br> 207702 <br> 207000 <br> 207001 <br> 207002 <br> 207200 <br> 207201 <br> 207101 <br> 207102 <br> 207103 | $\begin{aligned} & 10 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \\ & 10 \end{aligned}$ | LUNAMAT strap reduction gears <br> Gear ratio 2 : 1, max. shutter weight 30 kg <br> $D=\varnothing 180 \mathrm{~mm}, \mathrm{~d}=\varnothing 109 \mathrm{~mm}$, capacity approx. 8 m <br> $D=\varnothing 166 \mathrm{~mm}, \mathrm{~d}=\varnothing 109 \mathrm{~mm}$, capacity approx. 6 m <br> D $=\varnothing 195 \mathrm{~mm}, \mathrm{~d}=\varnothing 109 \mathrm{~mm}$, capacity approx. 10 m <br> Gear ratio 2.6 : 1, max. shutter weight 39 kg <br> $D=\emptyset 190 \mathrm{~mm}, \mathrm{~d}=\varnothing 128 \mathrm{~mm}$, <br> capacity approx. 6.5 m <br> $\mathrm{D}=\varnothing 210 \mathrm{~mm}, \mathrm{~d}=\varnothing 128 \mathrm{~mm}$, <br> capacity approx. 8.5 m <br> $\mathrm{D}=\varnothing 230 \mathrm{~mm}, \mathrm{~d}=\varnothing 128 \mathrm{~mm}$, capacity approx. 11 m <br> Gear ratio 3.1 : 1, max. shutter weight 45 kg <br> $\mathrm{D}=\varnothing 190 \mathrm{~mm}, \mathrm{~d}=\varnothing 99 \mathrm{~mm}$, capacity approx. 9.0 m <br> D = $\varnothing 180 \mathrm{~mm}, \mathrm{~d}=\varnothing 99 \mathrm{~mm}$, capacity approx. 7.5 m <br> Gear ratio 3.7 : 1, max. shutter weight 55 kg <br> $D=\emptyset 210 \mathrm{~mm}, \mathrm{~d}=\varnothing 128 \mathrm{~mm}$, <br> capacity approx. 8.5 m <br> $\mathrm{D}=\varnothing 230 \mathrm{~mm}, \mathrm{~d}=\varnothing 128 \mathrm{~mm}$, capacity approx. 11 m <br> $\mathrm{D}=\varnothing 250 \mathrm{~mm}, \mathrm{~d}=\varnothing 128 \mathrm{~mm}$, capacity approx. 14 m |  |
|  | $\begin{array}{\|l} 275600 \\ 275601 \end{array}$ | $\begin{aligned} & 25 \\ & 25 \end{aligned}$ | Reduction gear cap for tubes, die-cast, for steel shaft 60 <br> for LUNAMAT strap reduction gears, long, $x=55 \mathrm{~mm}$ for LUNAMAT strap reduction gears, short, $x=30 \mathrm{~mm}$ |  |
|  | 274610 | 10 | Shaft insert, adjustable, anti-rust, for steel shaft 70 <br> adjusting range $\mathrm{S}=130-190 \mathrm{~mm}$ |  |
|  $198$ | 274500 <br> 274501 <br> 274503 <br> 274505 | $\begin{aligned} & 50 \\ & 50 \\ & 50 \\ & 50 \end{aligned}$ | Reduction gear bracket for prefabricated roller shutter boxes, galvanized <br> outreach $\mathrm{S}=28 \mathrm{~mm}$ <br> outreach $\mathrm{S}=21 \mathrm{~mm}$ <br> outreach $\mathrm{S}=35 \mathrm{~mm}$ <br> outreach $\mathrm{S}=11 \mathrm{~mm}$, for gear 2077.. |  |


| Product illustration | Ref. | Pcs./PU | Product description |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Wire rope winches

| 203151 | 1 | Wire rope winches with crank 140 mm , folding <br> handle |
| :--- | :--- | :--- | :--- | :--- |
| flush-mounted with aluminium cover |  |  |
| plate $161 \times 88 \mathrm{~mm}, 50 \mathrm{~kg}$ pulling force, |  |  |
| dimensions: $144 \times 75 \times 62 \mathrm{~mm}$ |  |  |
| flush-mounted with aluminium cover plate $187 \times 100$ |  |  |
| mm, 100 kg pulling force, gear ratio $2,5: 1$, |  |  |
| dimensions: $140 \times 85 \times 52 \mathrm{~mm}$ |  |  |,

Crank gears with accessories

## Crank gears with accessories

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Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 201101 | 10 | Mini bevel-wheel train, gear ratio 3.7 : 1 <br> with end stop, max. 11 turns, lifting capacity max. 15 kg shutter weight (steel shaft 40), lateral space requirement 23 mm , for right or left hand installation, drive: square bar 8 mm |  |
|  | $\begin{array}{\|l\|} \hline 271001 \\ 271002 \end{array}$ | $\begin{aligned} & 50 \\ & 50 \end{aligned}$ | Coupling for steel shaft 40 plastic die-cast |  |
|  | $\begin{array}{\|l\|} 270800 \\ 270801 \end{array}$ | $\begin{aligned} & 25 \\ & 25 \end{aligned}$ | Coupling zinc die-cast <br> for steel shaft 60 <br> for steel shaft 50 |  |
|  | 271412 | 80 | Gear bearing plate with 12 mm bolts, galvanized $100 \times 100 \mathrm{~mm}$ |  |
|  | $\begin{array}{\|l} 278502 \\ 278580 \\ 278583 \\ 278585 \end{array}$ | $\begin{gathered} 50 \\ 100 \\ 100 \\ 50 \end{gathered}$ | Cardan joint bearing plate $52 \times 22 \mathrm{~mm}, 50^{\circ}$ square bar $8 \mathrm{~mm}, 150 \mathrm{~mm}$ long square bar $8 \mathrm{~mm}, 300 \mathrm{~mm}$ long square bar $8 \mathrm{~mm}, 500 \mathrm{~mm}$ long |  |
|  | 278215 <br> 278218 <br> 278221 | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | Crank handle for mini gear white, incl. colour matching security sleeve ref. 2780 82/86/88, extended length $=\mathbf{x}+260 \mathrm{~mm}$ extended length $=1200 \mathrm{~mm}$ extended length $=1500 \mathrm{~mm}$ extended length $=1800 \mathrm{~mm}$ |  |
|  |  |  |  |  |

Product illustration Ref. Pcs./PU Product description

|  |  |  | Handle lock, height adjustable <br> from $39-59 \mathrm{~mm}$ <br> white |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

Further gear accessory can be found from page 210

## Crank gears with accessories

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Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 201300 \\ & 201301 \end{aligned}$ | $\begin{aligned} & 10 \\ & 10 \end{aligned}$ | Gear box, gear ratio 5:1 <br> lifting capacity: max. 35 kg shutter weight (shaft SW 40), 25 kg (shaft SW 60), with integrated freewheel and push-through installation, same direction of crank handle rotation at right or left-hand installation, with head for steel shaft 40, drive: square bar 6 mm <br> freewheel left, lateral space requirement 24 mm freewheel right, lateral space requirement 24 mm |  |
|  | $\begin{aligned} & 271300 \\ & 271301 \end{aligned}$ | $\begin{aligned} & 20 \\ & 25 \end{aligned}$ | Coupling, die-cast <br> for steel shaft 60 <br> for steel shaft 50 |  |
|  | 193150 | 50 | Screw-on plate for reduction gear galvanized |  |
|  | 278111 | 50 | Screw-on plate for cardan joint galvanized |  |
|  | $\begin{aligned} & 278115 \\ & 278116 \end{aligned}$ | $\begin{aligned} & 50 \\ & 50 \end{aligned}$ | Screw-on plate for cardan joint $23 \times 85 \mathrm{~mm}$ <br> nickel-plated <br> plastic-coated, white |  |
|  | $\begin{aligned} & 278502 \\ & 278570 \\ & 278571 \\ & 278573 \\ & 278575 \end{aligned}$ | $\begin{aligned} & 50 \\ & 200 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Cardan joint <br> bearing plate $52 \times 22 \mathrm{~mm}, 50^{\circ}$ <br> square bar 6 mm , 150 mm long square bar $6 \mathrm{~mm}, 200 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 300 \mathrm{~mm}$ long square bar 6 mm , 500 mm long |  |



## Note:

Further gear accessory can be found from page 210

## Crank gears with accessories

## Crank gears with accessories

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Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 201710 | 25 | Worm gear, ratio 5,3:1 <br> usable to max. 17 kg , push-through installation for same direction of rotation at left and right hand installation <br> plastic, with end stop, for Garbot 28 , for 6 mm square |  |
|  | $\begin{aligned} & 271700 \\ & 271702 \end{aligned}$ | $\begin{aligned} & 100 \\ & 100 \end{aligned}$ | Coupling for worm gear 5,3:1 for steel shaft 40 , intake Grabot 28 for steel shaft 60, intake Grabot 28 |  |
|  | 201711 | 25 | Worm gear, ratio 7:1 <br> usable to max. 25 kg , push-through installation for same direction of rotation at left and right hand installation <br> die-cast, with end stop, for 16 mm hexagon, for 6 mm square |  |
|  | 271703 | 100 | Adapter for worm gear 7 : 1 die-cast, 16 mm hexagon to 13 mm square |  |
|  | $\begin{aligned} & 271704 \\ & 271706 \end{aligned}$ | $\begin{aligned} & 200 \\ & 200 \end{aligned}$ | Coupling for worm gear 7 : 1 <br> for steel shaft 40, (without picture) for steel shaft 60 |  |
|  | $278541$ | 50 | Cardan joint <br> bearing plate, $45 \times 22 \mathrm{~mm}$, bented, white, with 6 mm square, 320 mm long |  |

Product illustration Ref. Pcs./PU Product description

|  | $\begin{aligned} & 278502 \\ & 278570 \\ & 278573 \\ & 278575 \end{aligned}$ | $\begin{aligned} & 50 \\ & 200 \\ & 100 \\ & 100 \end{aligned}$ | Cardan joint <br> bearing plate $52 \times 22 \mathrm{~mm}, 50^{\circ}$ <br> square bar $6 \mathrm{~mm}, 150 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 300 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 500 \mathrm{~mm}$ long |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | ```Crank handle white, incl. colour matching security sleeve ref. 2780 82/86/88, extended length \(=x+260 \mathrm{~mm}\) extended length \(=1200 \mathrm{~mm}\) extended length \(=1500 \mathrm{~mm}\) extended length \(=1800 \mathrm{~mm}\)``` |  |
|  | 277001 | 125 | Handle lock, height adjustable from 39-59 mm white |  |

Note:
Further gear accessory can be found from page 210

Crank gears with accessories

## Crank gears with accessories

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Engineering in motion

Product illustration Ref. Pcs./PU Product description

|  | $\begin{aligned} & 278502 \\ & 278570 \\ & 278571 \\ & 278573 \\ & 278575 \end{aligned}$ | $\begin{aligned} & 50 \\ & 200 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | Cardan joint <br> Note: Square bars and hexagon bars with the article numbers 2785 ... will be inserted into the cardan joints and will snap in. A removing after that is not possible anymore. <br> bearing plate $52 \times 22 \mathrm{~mm}, 50^{\circ}$ <br> square bar $6 \mathrm{~mm}, 150 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 200 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 300 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 500 \mathrm{~mm}$ long |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 278505 \\ & 278570 \\ & 278571 \\ & 278573 \\ & 278575 \end{aligned}$ | $\begin{aligned} & 50 \\ & 200 \\ & 100 \\ & 100 \\ & 100 \end{aligned}$ | $90^{\circ}$ cardan joint <br> bearing plate $85 \times 23 \mathrm{~mm}, 90^{\circ}$ <br> square bar $6 \mathrm{~mm}, 150 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 200 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 300 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 500 \mathrm{~mm}$ long |  |
|  | $\begin{aligned} & 278215 \\ & 278218 \\ & 278221 \end{aligned}$ | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | ```Crank handle white, incl. colour matching security sleeve ref. 2780 82/86/88, extended length \(=x+260 \mathrm{~mm}\) extended length \(=1200 \mathrm{~mm}\) extended length \(=1500 \mathrm{~mm}\) extended length \(=1800 \mathrm{~mm}\)``` |  |
|  | 277001 | 125 | Handle lock, height adjustable from 39-59 mm white |  |

[^10]Further gear accessory can be found from page 210

## Crank gears with accessories

## Crank gears with accessories

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Engineering in motion

| Product illustration | Ref. | Pcs./PU Product description |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 202000 | 10 | External gearbox, <br> gear ratio 6: 1 <br> with end stop and locking bolt, max. 11 turns, lifting capacity max. 30 kg shutter weight <br> for grooved tube $\varnothing 70 \mathrm{~mm}$ for awnings and octagonal steel shaft SW 60 (with reducing adapter ref. 2720 00), with locking bolt ref. 272300 |  |
|  | 272000 | 100 | Reducing adapter for octagonal steel shaft 60 plastic |  |
|  | $\begin{array}{r} 278503 \\ 278583 \\ 278585 \end{array}$ | $\begin{gathered} 50 \\ 100 \\ 50 \end{gathered}$ | Cardan joint <br> bearing plate $56 \times 27 \mathrm{~mm}, 50^{\circ}, 4$ bores <br> square bar $8 \mathrm{~mm}, 300 \mathrm{~mm}$ long square bar $8 \mathrm{~mm}, 500 \mathrm{~mm}$ long |  |
|  | 278111 | 50 | Screw-on plate for cardan joint galvanized |  |
|  | $\begin{aligned} & 278115 \\ & 278116 \end{aligned}$ | $\begin{aligned} & 50 \\ & 50 \end{aligned}$ | Screw-on plate for cardan joint $23 \times 85 \mathrm{~mm}$ nickel-plated plastic-coated, white |  |
|  |  |  |  |  |

## Note:

Further gear accessory can be found from page 210

Crank gears with accessories

## Crank gears with accessories

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Engineering in motion

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 278555 | 50 | Air stop silicone seal <br> only for bearing plates $85 \times 23 \mathrm{~mm}, 90^{\circ}$, ref. $277965,278505,278507,278535$, 278537,278525 |  |
|  | 278539 <br> 278541 <br> 278529 | 50 <br> 50 <br> 50 | Cardan joint <br> bearing plate, $45 \times 22 \mathrm{~mm}$, bented, white, for 7 mm hexagon, 150 mm long bearing plate, $45 \times 22 \mathrm{~mm}$, bented, white, with 6 mm square, 320 mm long bearing plate, $45 \times 22 \mathrm{~mm}$, bented, brown, for 7 mm hexagon, 150 mm long |  |
|  | 278080 | 100 | Locking clip for gear adapters <br> white, for gears ref. 201000 und 201400 , for spare purpose |  |
|  | $\begin{aligned} & 278082 \\ & 278086 \\ & 278088 \end{aligned}$ | $\begin{gathered} 10 \\ 100 \\ 100 \end{gathered}$ | Safety sleeve for crank handle white, 15 mm , for spare purpose grey, 15 mm , for spare purpose brown, 15 mm , for spare purpose |  |

## Note: Cardan joints and square / hexagon bars

The bright nickel plating of the cardan joints is a visual upgrade and no $100 \%$ corrosion protection. The components with bright nickel plating are only intended for the operation in dry rooms (indoors). square bars and hexagon bars with the article numbers $2785 \ldots$ will be inserted into the cardan joints and will snap in. A removing after that is not possible anymore

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 278570 278571 278573 278575 278580 278583 278585 278588 278589 278591 278593 278595 | $\begin{gathered} 200 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 50 \\ \\ 100 \\ 100 \\ \\ 200 \\ 100 \\ 100 \end{gathered}$ | Square and hexagon bars square bar $6 \mathrm{~mm}, 150 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 200 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 300 \mathrm{~mm}$ long square bar $6 \mathrm{~mm}, 500 \mathrm{~mm}$ long <br> square bar $8 \mathrm{~mm}, 150 \mathrm{~mm}$ long square bar $8 \mathrm{~mm}, 300 \mathrm{~mm}$ long square bar $8 \mathrm{~mm}, 500 \mathrm{~mm}$ long <br> hexagon bar $6 \mathrm{~mm}, 300 \mathrm{~mm}$ long hexagon bar $6 \mathrm{~mm}, 500 \mathrm{~mm}$ long <br> hexagon bar $7 \mathrm{~mm}, 150 \mathrm{~mm}$ long hexagon bar $7 \mathrm{~mm}, 300 \mathrm{~mm}$ long hexagon bar $7 \mathrm{~mm}, 500 \mathrm{~mm}$ long |  |
|  | $\begin{aligned} & 277000 \\ & 277001 \\ & 277002 \\ & 277010 \\ & 277011 \\ & 277012 \end{aligned}$ | $\begin{aligned} & 125 \\ & 125 \\ & 125 \\ & 125 \\ & 125 \\ & 125 \end{aligned}$ | Handle lock, height adjustable <br> from 39-59 mm <br> grey <br> white <br> brown <br> grey, fixed height $=25 \mathrm{~mm}$ (without picture) <br> white, fixed height $=25 \mathrm{~mm}$ (without picture) <br> brown, fixed height $=25 \mathrm{~mm}$ (without picture) |  |
|  |  |  |  |  |

Product illustration Ref. Pcs./PU Product description

Crank handle
incl. colour matching security sleeve ref. 27 80 82/86/88, extended length $=x+260 \mathrm{~mm}$ white, plastic-coated extended length $=600 \mathrm{~mm}$ extended length $=700 \mathrm{~mm}$ extended length $=800 \mathrm{~mm}$ extended length $=900 \mathrm{~mm}$ extended length $=1000 \mathrm{~mm}$ extended length $=1100 \mathrm{~mm}$ extended length $=1200 \mathrm{~mm}$ extended length $=1300 \mathrm{~mm}$ extended length $=1400 \mathrm{~mm}$ extended length $=1500 \mathrm{~mm}$ extended length $=1600 \mathrm{~mm}$ extended length $=1800 \mathrm{~mm}$ extended length $=2000 \mathrm{~mm}$ extended length $=2500 \mathrm{~mm}$ extended length $=3000 \mathrm{~mm}$ silver anodised (E6 EV1) extended length $=700 \mathrm{~mm}$ extended length $=800 \mathrm{~mm}$ extended length $=900 \mathrm{~mm}$ extended length $=1000 \mathrm{~mm}$ extended length $=1100 \mathrm{~mm}$ extended length $=1200 \mathrm{~mm}$ extended length $=1300 \mathrm{~mm}$ extended length $=1400 \mathrm{~mm}$ extended length $=1500 \mathrm{~mm}$ extended length $=1600 \mathrm{~mm}$ extended length $=1800 \mathrm{~mm}$ extended length $=2000 \mathrm{~mm}$ extended length $=2500 \mathrm{~mm}$ brown, plastic-coated
extended length $=700 \mathrm{~mm}$ extended length $=800 \mathrm{~mm}$ extended length $=900 \mathrm{~mm}$ extended length $=1000 \mathrm{~mm}$ extended length $=1100 \mathrm{~mm}$ extended length $=1200 \mathrm{~mm}$ extended length $=1300 \mathrm{~mm}$ extended length $=1400 \mathrm{~mm}$ extended length $=1500 \mathrm{~mm}$ extended length $=2000 \mathrm{~mm}$

## Shaft inserts, tube couplers, mountings for tube couplers

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 272523 | 50 | Shaft insert for steel shaft 40 <br> for external gear drive to be completed with 252800 snap-in coupling for shaft inserts 13 8... mini pulleys or 1344 20/21 pulley for 23 mm strap |  |
|  | 272525 | 20 | Shaft insert for steel shaft 60 for external gear drive |  |
|  | 252800 | 100 | Snap-in coupling for shaft inserts article numbers 272523 and 272525 with clip, for mini pulleys |  |
|  | 253130 | 100 | Snap-in coupling for shaft inserts article numbers 272523 and 272525 <br> with clip, for pulleys with article numbers 134420 and 134421 |  |
|  | $\begin{array}{\|l\|} \hline 134420 \\ 134421 \end{array}$ | $\begin{aligned} & 100 \\ & 250 \end{aligned}$ | Pulley for steel shaft 40 for $\mathbf{2 3 m m}$ strap plastic, for snap-in coupling article number 253130 $\begin{aligned} & \mathrm{D}=\varnothing 130 \mathrm{~mm}, \mathrm{~d}=\varnothing 47 \mathrm{~mm} \\ & \mathrm{D}=\varnothing 150 \mathrm{~mm}, \mathrm{~d}=\varnothing 47 \mathrm{~mm} \end{aligned}$ |  |
|  | 272450 | 10 | Mini shaft insert for steel shaft 40 adjustable, galvanized |  |

## Shaft inserts, tube couplers, mountings for tube couplers

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 196102 \\ & 196101 \end{aligned}$ | $\begin{aligned} & 25 \\ & 25 \end{aligned}$ | Tube coupler for steel shaft 50 assembled, galvanized, with 2 ball bearings $\varnothing 28 \mathrm{~mm}$ like ref. 1961 02, but with one ball-bearing $\emptyset 28$ mm |  |
|  | 272510 | 25 | Shaft insert, adjustable, for steel shaft 60 plastic-coated, adjusting range: 150-250 mm |  |
|  | 272530 | 25 | Shaft insert, adjustable, for steel shaft 60 galvanized, short, for ball bearing and LUNAMAT gear (no picture) |  |
|  | 196720 <br> 196752 | 15 <br> 15 | Tube coupler, adjustable, with ball-bearing Ø 50 mm , for steel shaft 60 <br> galvanized, with plastic cap for tubes, assembled, with ball-bearing $\varnothing 50 \mathrm{~mm}$ <br> galvanized, with plastic cap for tubes, assembled, with ball-bearing $\varnothing 40 \mathrm{~mm}$ (without picture) |  |
|  | 196753 | 15 | Tube coupler, adjustable, with ball-bearing Ø 40 mm , for steel shaft 60 <br> galvanized, with plastic cap for tubes, assembled |  |
|  | 196730 | 15 | Tube coupler, adjustable, for steel shaft 60 galvanized, with plastic cap for tubes, assembled, with 2 ball bearings $\varnothing 28 \mathrm{~mm}$ |  |

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| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 196731 | 20 | Tube coupler, adjustable, with ball bearing $\varnothing 40 \mathrm{~mm}$, for steel shaft 60 galvanized, with plastic cap for tubes, assembled, with ball bearing $\varnothing 40 \mathrm{~mm}$ |  |
|  | 196710 | 15 | Tube coupler, adjustable, with ball-bearing $\emptyset 50 \mathrm{~mm}$, for steel shaft 60 <br> galvanized, with aluminium cap for tubes, assembled |  |
|  | $\begin{aligned} & 272210 \\ & 272250 \end{aligned}$ | $\begin{aligned} & 25 \\ & 25 \end{aligned}$ | Shaft insert, adjustable, for steel shaft 70 <br> plastic-coated, adjusting range: 150-230 mm galvanized, short version, adjusting range: 65-125 mm, also applicable with LUNAMAT gear (without picture) |  |
|  | 278410 | 10 | Shaft insert, adjustable, for steel shaft 70 anti-rust, adjusting range: 150-250 mm, with ball-bearing $\varnothing 40 \mathrm{~mm}$ ref. 182201 |  |
|  | 278715 | 10 | Shaft insert, adjustable, for steel shaft 70 <br> anti-rust, without ball-bearing, adjusting range: 150-250 mm |  |
|  | 278710 | 10 | Shaft insert, adjustable, for steel shaft 70 anti-rust, without ball-bearing, adjusting range: 150-250 mm |  |

## Shaft inserts, tube couplers, mountings for tube couplers

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 196400 | 25 | Tube coupler, adjustable, with ball-bearing Ø 50 mm , for steel shaft 70 <br> plastic coated, assembled |  |
|  | 196460 | 15 | Tube coupler, adjustable, with ball-bearing Ø 50 mm , for steel shaft 70 <br> galvanized, split in the middle and adjustable, assembled |  |
|  | 276000 | 1 | Cardan joint tube coupler, galvanized swivels up to max. $45^{\circ}$ for steel shaft 60 |  |
|  | 276050 | 25 | Cardan joint tube coupler with two joints, swivels up to max. $90^{\circ}$ <br> to be used with: steel shaft 70 with two shaft inserts Ref. 2722 10, steel shaft 60 with two shaft inserts Ref. 272510 |  |
|  | 192800 | 25 | Mounting for tube coupler, galvanized <br> with adjusting angle and two ball-bearing mounts for $\varnothing 40 \mathrm{~mm}$ ball-bearings |  |
| $218$ | $192810$ | 25 | Mounting for tube coupler, galvanized with bearing bolts $\varnothing 12 \mathrm{~mm}$ |  |

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| Product illustration | Ref. | Pcs. | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 192910 | 10 | Mounting for tube coupler, galvanized <br> consisting of: bearing plate, mounting bracket, two brackets for prefabricated roller shutter boxes for $\varnothing 40 \mathrm{~mm}$ ball-bearing |  |
|  | 193050 | 25 | Mounting for tube coupler, galvanized, with adjustable angle <br> with two bearing brackets, heavy-duty version, for $\varnothing 40 \mathrm{~mm}$ ball-bearing |  |
|  | 193058 | 10 | Mounting for tube coupler, galvanized, with adjustable angle <br> with one bearing bracket, heavy-duty version, for $\varnothing 40 \mathrm{~mm}$ ball-bearing |  |
|  | $\begin{aligned} & 193051 \\ & 193052 \end{aligned}$ | $\begin{aligned} & 10 \\ & 10 \end{aligned}$ | Mounting for tube coupler, galvanized, with adjustable angle <br> with one bearing bracket, for $\varnothing 40 \mathrm{~mm}$ ball-bearing like ref. 1930 51, but with two bearing brackets, for $\varnothing$ 40 mm ball-bearing |  |
|  | $\begin{aligned} & 193001 \\ & 193014 \end{aligned}$ | 10 10 | Mounting for tube coupler, galvanized with two ball-bearing brackets for $\varnothing 40 \mathrm{~mm}$ ballbearings with two casted bearing brackets for $\varnothing 40 \mathrm{~mm}$ ballbearings |  |
|  | $\begin{aligned} & 193003 \\ & 196600 \end{aligned}$ | $\begin{aligned} & 10 \\ & 50 \end{aligned}$ | Mounting for tube coupler, galvanized with cast bearing bracket for $\varnothing 50 \mathrm{~mm}$ ball-bearing Casted ball-bearing mount for ball-bearing $\varnothing 50 \mathrm{~mm}$, single |  |

## Shaft inserts, tube couplers, mountings for tube couplers

| Product illustration | Ref. | Pcs./PU | Product description |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 193030 <br> 193031 | $\begin{aligned} & 25 \\ & 25 \end{aligned}$ | Mounting for tube coupler, galvanized <br> with bearing bolts $\varnothing 12 \mathrm{~mm}$, mounting bracket 40 mm <br> Set includes 1930 30, 2 ball-bearings (ref. 1817 01) and <br> 2 caps, long, for steel shaft 60 (ref. 2533 00) |  |
|  | 193032 | 25 | Mounting for tube coupler, galvanized with bearing bolts $\varnothing 12 \mathrm{~mm}$, mounting bracket 30 mm |  |
|  | 193510 | 10 | Mounting for tube coupler for prefabricated roller shutter boxes, hanging <br> for two ball bearings $\emptyset 40 \mathrm{~mm}$, plastics coated adjusting range, $x=50-133 \mathrm{~mm}$ |  |
|  | $\begin{aligned} & 194503 \\ & 194514 \end{aligned}$ | $\begin{aligned} & 25 \\ & 25 \end{aligned}$ | Mounting for tube coupler with angle, galvanized with two bearing brackets for $\varnothing 40 \mathrm{~mm}$ ball-bearings with two casted bearing brackets for $\varnothing 40 \mathrm{~mm}$ ball-bearings |  |
|  | 194504 | 25 | Mounting for tube coupler with angle, galvanized with casted bearing bracket for ball bearing $\emptyset 50 \mathrm{~mm}$ |  |
|  | 193020 | 250 | Flush-mounted bracket, galvanized <br> with counter-sunk screw M6 and nut for mounting for tube coupler ref. 1930 01, 1930 14, 193003 |  |

## Shaft inserts, tube couplers, mountings for tube couplers

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| Product illustration | Ref. | Pcs./P | Product descripti |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 193420 \\ & 193421 \end{aligned}$ | $\begin{gathered} 50 \\ 1 \end{gathered}$ | Central bearing for steel shaft <br> central bearing for steel shaft 60 <br> central bearing for steel shaft 70 (without picture) |  |
|  | 193100 | 10 | Universal mounting galvanized |  |
|  | 196011 <br> 196601 | $\begin{aligned} & 10 \\ & 50 \end{aligned}$ | Mounting for tube coupler <br> with casted bearing bracket for ball bearing $\varnothing 50 \mathrm{~mm}$, galvanized <br> ball-bearing half insert for ball-bearing $\varnothing 50 \mathrm{~mm}$, cast, of article number 196011 <br> Preis pro 100 Stk. |  |
|  | 193060 | 25 | Clamping bracket with one bearing bracket and claws |  |
|  |  |  |  |  |



## SERVICE

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Extremely short delivery times
We react quickly at the order entry in the service center, manufacture extremely flexible thanks to Lean production and our shipping process is constantly optimized.

## Largest product pallet on the marke

SELVE offers the most comprehensive product range in the sector of roller shutters and sun protection technology. As the world market leader for roller shutter components we can permanently deliver over 3.000 products immediately. SELVE has also made a name with innovative drive as well as control technology, as we are consequently investing in the development of new products.

## Cooperative customer service

Technical advice, order acceptance or individual solution finding - for the specialist partners SELVE always provides many competent available contacts. Our sales representatives are taking care of our specialist partners as direct contact person on site. Additionally, employees of the sales consulting and the technical customer service for technical issues will help with your personal request. For individual customer requirements, a team of engineers together with the developing department will work out a customized solution that will exactly fit the customer's requirements.

SELVE GmbH \& Co.KG
Sales department
Werdohler Landstraße 286 58513 Lüdenscheid

Tel. +49 2351 925-223 Fax +492351 925-111 order@selve.de

Customer Name
Company: $\qquad$
Contact: treet: $\qquad$
Postal code / City: $\qquad$ Fax: $\qquad$
E-Mail: $\square$
Customer number: $\qquad$
Date of order: $\qquad$
Requested delivery date (week):
Order:
Please deliver according to your known terms of payment and delivery:

| Article number | Description | Quantity/Meter Pieces | Price |
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Hint:
Fill out your address and telephone number first. Then copy the page and fill in your orders in the copies.

To transactions with customers who have
their seat outside the Federal Republic of Germany, the United Nations Convention on Contracts for the International Sale of Goods (CISG) applies unless amended or supplemented by the following terms.

## 1. General provisions

1.1. Deliveries, services and offers are made exclusively on the basis of these terms and conditions. This excludes in particular the validity of the German stanand B
1.2. Deviations from these terms and conditions are only effective if confirmed in writing. The customer's purchasing conditions do not apply.
2. Use of our products, application examples, specialist planning services
2.1. SELVE products, as well as their accessories, have been designed for appliroller shutters. Our products are intended for processing by specialist companies in the window manufacturing, metal construction, craft sectors and the like, which are familiar with the acknowledged rules of technology, particularly in the field of door, window and roller shutter construction, and which have knowledge of all relevant DIN standards and guidelines of the guilds and trade associations.
2.2. All documents generally issued by SELVE that deal with the combination, assembly, arrangement and processing of
SELVE products, as well as reports SELVE products, as well as reports about combinations and systems already execu-
ted are merely proposals for application without a binding technical statement for specific applications. Before any use of such documents, customers must first check in their own responsibility if the proposals made are in all respects suitable and relevant for their specific purpose, as the number of practical installation and load instances cannot be covered in this kind of document.
2.3. If a customer requires binding information, in particular in regard to the installation of the elements, about building physics-related problems, such as statics, fastening, thermal protection, moisture
protection, fire protection or sound protection, etc., professional consulting propanies, specialist planners or experts must be commissioned. Such specialist planning and other services are not part
our offer and the contract of sale, un less a specific agree

## 3. Conclusion of contract, self-supply re servation

3.1. Offers by SELVE are binding, unles expressly stated to be subject to change echnical information is subject to ustment of our products to future standardisation.
3.2. Upon placing an order, the customer makes a binding commitment to purchase the ordered goods (contract offer). SELVE is entitled to accept this ontract offer within two weeks afte the day of receipt of the offer by SELVE, Acceptance may be stated either ex pressly in writing or in text form or by delivery of the ordered goods. In case of email correspondence, the mere confir mation of receipt of the order does not yet amount to a mandatory declaration expressly confirmed in the confirmatio of receipt.
3.3. The conclusion of the contract is contingent on the proper and timely delivery by upstream suppliers to SELVE. This applies only to the case where SELVE is not responsible for non-delivery. SELV shall in particular not be responsible for non-delivery, if they have concluded a proper congruent substitute transaction.
4. Pricing, price adjustment, shippin costs, packaging costs, partial delivery
.1. Prices state in the offer are, unle expressly stated otherwise, in EURO exc statuto
livery.
4.2. If more than four months have lap sed between conclusion of the cont ract and delivery, we reserve the righ to adjust our prices due to unforeseen increases in primary material or wages. the customer does not concur with such price adjustments, both parties are entied to withdraw from the contract,
4.3. Confirmed prices of an order are un er no circumstances not binding for sub equent orders of similar products.
4.4. Products are delivered only in complete packaging units as offered in our atalogue. If partial lots are delivered, surcharge for small quantities of EUR 5,00
per item is, provided that the total order value is less than EUR 100,00.
4.5. Prices quoted are exclusive of insurance and transport packaging. SELVE ships the good free of freight costs if the value of the shipment (net without VAT and billed supplemental charges) is at least EUR $1.200,00$. In case of packa500,00 . For octagonal steel shafts, the threshold for free of charge shipping is the minimum quantity of 3.000 m per delivery. If the scope of the order is less than the threshold, the customer shall bear the shipping costs.
4.6. We will not charge for or take back one-way packaging, unless we are so obliged in terms of the Packaging Ordinance (Verpackungsordnung). Reusable transport packaging will be charged at replacement value. If the customer returns the packaging in proper, reusable condition and freight prepaid, the charged amount will be credited to the account of the custome
4.7. SELVE is entitled to make partial deliveries to a reasonable extent without prior consultation

## 5. Payment Terms

5.1. Unless otherwise agreed, our in voices are payable within 8 days with a $2 \%$ discount for early payment or within 30 days without any deductions. The deadline begins to run on the date of the invoice. The discount for early payment is granted only if the customer has not exceeded any other payment deadlines from other deliveries
5.2. The customer is under the contractual obligation to pay the purchase price within 30 days after receipt of the goods. If payment is not made during this period, the customer shall be in default of payment. Notwithstanding any terms to the contrary of the customer, SELVE shall be entitled to use payments to first settle older outstanding debts of the customer. If costs and interest have already accrued, SELVE shall be entitled to set-off the payment first against the costs, then against the interest and finally against the principal claim.
5.3. A payment is considered made only if SELVE can dispose of the amount. In case of payment by securities, the case tance of which SELVE reserves on a case-by-case base, payment shall be

## TERMS AND CONDITIONS OF SALE AND DELIVERY FOR INTERNATIONAL

made only if the security is redeemed. The related costs and fees shall be borne by the customer.
5.4. Pursuant to Section 247 of the German Civil Code ( BGB ), the customer shall pay interest at the rate of $8 \%$ above the base interest rate on outstanding payments. SELVE expressly reserves the right proven specifically in
5.5. If a customer does not meet his payment obligations, in particular does not honour a check or a bill of exchange, or cease payments, or if SELVE becomes aware, after conclusion of the cont negative impact on the customer's creditworthiness to an extent that is significant for the business relationship, SELVE shall be entitled to demand payment of the entire residual amount due, notwithstanding any payment terms previously granted by SELVE or if SELVE has accepted checks or bills of exchange. tled to demand prepayment or security.
5.6. The customer shall be entitled to exercise of a right of retention only if the customer's counterclaim is based on the same legal relationship.
6. Delivery terms, delivery delays, self-supply
6.1. For evidentiary purposes, delivery dates or delivery period must be agreed at least in text form. Delivery periods commence on the date on which the agreement is concluded. They do not commence until all details of the performance have beencland. delivery has records of the customer, the delivery periods do not commence the complete planning records have been handed over.
6.2. Compliance with the delivery periods is contingent on fuffilment of the contractual obligations and duties by the customer.
6.3. SELVE shall not be held liable for delays in delivery and performance due to force majeure and due to events, which render our delivery substantially more difficult or impossible (these circumstanofficial orders etc.). even if these circumstance occur with suppliers of SELVE or their sub-suppliers. These circumstances entitle SELVE to postpone the delivery or performance for the duration of the ob226
longer possible to make any changes to
action plus a reasonable period start up period or to cancel the contract in toperformed.
6.4. If the obstruction lasts for a period f more than two calendar months, th ustomer is entitled, after setting a reaso nable period of grace, to cancel the cont ract in regard to the part not yet perforto any damages, if the delivery period is extended or if SELVE is released from it obligation.
6.5. SELVE shall only be entitled to rely on he circumstances referred to in paras 6.3. and 6.4. if SELVE informs the customer without undue delay of the occurrene of these events.
6.6. If an agreed fixed delivery date has not been observed, the customer ma assert claims for damages or withdraw from the contract only atter the fruitless by the customo If the guctorer serts claim for damages in this case, SELVE's liability in regard to claims for compen sation of any damage shall be limited o a substitute transaction. Any further damage shall only be compensated to the extent of the contract sum. This imitation shall not apply to fixed date transactions that are specifically designated as such and to cases where the dama e is caused by intent or gross negigence of executive staff of SELVE.
6.7. If SELVE does not receive deliver from its downstream suppliers for reason hat do not fall within the sphere of SELVE, to withdraw from the contract.

Delivery quantities, supply contracts on demand
7.1. Delivery of octagon steel shaft are delivered in the factory lengths of m or at fixed lengths according to the espective effective SELVE catalogue. Any esulting excess or short deliveries of up to 5 of the ordered volume shall be deemed to be proper contractual delivery.
.2. In case of contracts for continuou supply on demand, SELVE shall be en titled to produce the total volume of planning at any time during the cont ract term, unless express agreements to the contrary have been made. Once the total quantity has been produced, it is no
the ordered goods
7.3. The customer is under the contractual obligation to schedule the ordered quantity into lots within a period of three months after conclusion of the contract and to accept is according to the subdivision. If the customer does not comply dered auantity in to SEIVE shall be entitled to set a reason seriod for such scheduling Upon the fruitless expiry of this period, SELVE shall be entitled to demand acceptance and payment of the residual quantity.
7.4. In case of contracts on demand that span a period of more than four months, a reasonable adjustment of the price in the event of unforeseen cost or quantity developments during the supply contract on demand is deemed to have been agreed. The agreed prices may not be changed for any other reason, in particular not if a lower competitive offer has been made

## 8. Transfer of risk, acceptance

8.1. The risk passes to the customer, as soon as the shipment is handed over to the party performing the transport at the ot shactory/warehouse for the purpose of shipping. The same applies if SELVE bears the costs of transportation. If the shipping becomes impossible through customer upon notification of readiness customer upon notification of readiness provided. SELVE is entitled to select the mode of shipping, unless the customer has issued explicit instructions in this regard. In case of transport damage, the cate of damage immediately after receipt of the delivery
8.2. If the parties have agreed that the goods shall be inspected according to special terms or that a formal acceptance of the goods shall take place, the inspection or acceptance shall take place at the sup-
plying plant of SELVE. All costs of acceptanplying plant of SELVE. All costs of acceptancustomer shall be borne by the latter. If the customer abstains from an agreed acceptance, the goods shall be deemed to have been accepted at the time of transfer of risk.
9. Notice of defects, warranty, return of goods
9.1. SELVE assumes warranty in accordance with the following provisions
which exhaustively governs SELVE's liability under the warranty and does not represent a guarantee in the legal sense. In case of commercial goods, any guarantees of manufacturers remain unaffected by these provisions.
9.2. If SELVE's technical data sheets or installation instructions are not heeded, or if changes are made to the products,
the warranty and liability for defects shall lapse The same applies to defects in end products manufactured by the customer using SELVE products, if these goods are produced using construction parts, metal fittings and accessories of other manufacturers. These limitations do not apply if the customer can prove that the claimed defect is not based on these circumstances.
9.3. The customer is obliged to notify SELVE of obvious defects in text form without undue delay, at the latest, however, within eight calendar days after receipt of the delivery item; the notificaof the defect Defects that cannot be detected even with careful inspection within this period must be reported to us in text form without undue delay after their discovery; such notification must include a detailed description of the defect. In case of failure to comply with these provisions, the goods shall be deemed to have been accepted. The customer bears the full onus of proof for all qualifying conditions for the claims, in particular for the defect itself, for the time of detecting the defect and for the timeliness of the notice of defect.
9.4. In derogation from Article 46 of the Convention, we shall be entitled, if the goods do not conform to the contract, to provide a replacement instead of repairing the goods. In this case, the customer shall make the non-conforming goods available to us at our expense
9.5. We shall be obliged to provide compensation for non-conforming goods only if the non-conformity is based on fault on our par. Any clam for damages is limited to EUR $50.000,00$.
9.6. Unless expressly otherwise agreed the contractual conformity of SELVE Products shall be determined solely on the
basis of the SELVE product description in the generally accessible technical sales documents of SELVE and - if applicable -the acceptance drawing signed by the customer. Acceptance samples merely
serve to verify the acceptance drawing, the sample does not serve to define the quality of the goods. Public statements, promotions, advertising and application ikewise do not amount to a contractual quality description of the goods.
9.7. Only the immediate contractin partner of SELVE shall be entitled to are non-transferable.
9.8. SELVE has implemented a quality management system certified accordin to DIN EN ISO 9001. All products are con tinuously checked in accordance with our quality manual during production Further tests than those defined in ou quality manual require a separate writte agreement between the customer and ELVE; such agreement must also specify in precise detall the test parameters and test methods.
9.9. The SELVE quality management sys em does not absolve the customer from the need for
9.10. All claims of the customer based on non-conformity of the goods shall become time-barred after 12 months, sarting with the day of the timely com pursuant to para. 9.3., but no goods concerned.
9.11. Goods that are returned for reason ther than being defective, shall be ac eepted by SELVE only after prior written hall be borne by the customer SEIVE will credit the customer for the returned goods for the initial purchase prices, less standard industry discount of 25 \% but east EUR 50,00 , as compensation for the inspection of incoming goods, storage and commercial handling. The customer is en titled to provide evidence of lower costs.

## 10. Retention of title

10.1. SELVE retains title to the goods delivered until full settlement of all liabi ties arising from the business relationhip, including interest and cost. At the re quest of SELVE, the customer is obliged to provide special storage and insurance fo of title: at our request, the customer shal provide proof of compliance with such ob ligation.
10.2. Until further notice by SELVE, the customer is entitled to dispose of or process the goods delivered subject to business. business.

## 11. Proprietary rights, copyright

Records and drawings provided to the customer, as well as designs and propoof shutter or sun protection systems provided by SELVE may be used by the customer solely for the agreed purpose. The customer may not make these records or drawing available to third parties or use them for publications without our consent.

## 12. Confidentiality

Both the customer and SELVE are obliged to treat all non-obvious commercial and technical details of the other party of which they become aware in the course of the business relationship as a trade samples and similar objects, patterns, made available or otherwise accessible to third parties. The reproduction of such items is permitted only in the context of operational requirements and the confines of copyright.

## 13. Data protection

A data processing system will be used to manage the business relationship. Accordingly the customer data (address, delivery products, quantities, prices, payments, canceliations, etc.) will be col within th aural limits of the star retention requirements. The customer is herewith informed of this data storase, Legal basis: Sections 27 et seqq, Section 33 of the German Federal Data Protection Act (BDSG).
14. Place of performance/jurisdiction

Place of performance is Lüdenscheid. The place of jurisdiction for all disputes arising out of in connection with this contract eluang for actions on bills of exchange - shall be the court with jurisdictional competence for Lüdenscheid.
The right of each party to sue.

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| 278228 | 213 | 278632 | 86 | 282211 | 95 | 288202 | 60 | 288710 | 68 | 290111 | 81 |
| 278233 | 213 | 278635 | 86 | 282212 | 95 | 288203 | 60 | 288711 | 68 | 290112 | 81 |
| 278310 | 213 | 278650 | 86 | 283029 | 74 | 288206 | 66 | 288800 | 92 | 290127 | 82 |
| 278311 | 213 | 278710 | 217 | 283030 | 197 | 288208 | 67 | 288801 | 92 | 290128 | 82 |
| 278312 | 213 | 278715 | 217 | 283031 | 74 | 288210 | 59 | 288802 | 92 | 290129 | 82 |
| 278313 | 213 | 280000 | 90 | 283038 | 74 | 288211 | 59 | 288803 | 92 | 290137 | 82 |
| 278314 | 213 | 280100 | 79 | 283040 | 74 | 288212 | 59 | 289000 | 169 | 290138 | 82 |


| Ref. | Page | Ref. | Page | Ref. | Page | Ref. | Page | Ref. | Page |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 290139 | 82 | 297741 | 107 | 312530 | 43 | 380143 | 25 | 386153 | 27 |  |
| 290186 | 83 | 297742 | 107 | 312550 | 43 | 380343 | 18 | 386813 | 33 |  |
| 290188 | 83 | 297743 | 107 | 312570 | 43 | 381113 | 28 | 386833 | 33 |  |
| 290189 | 83 | 297744 | 107 | 313311 | 35 | 381123 | 28 | 387013 | 26 |  |
| 290200 | 138 | 297745 | 107 | 313331 | 35 | 381133 | 29 | 387033 | 27 |  |
| 290300 | 138 | 297746 | 107 | 313351 | 35 | 381143 | 29 | 387143 | 27 |  |
| 290506 | 83 | 297747 | 107 | 313371 | 35 | 382020 | 25 | 387153 | 27 |  |
| 290510 | 83 | 297751 | 109 | 313381 | 35 | 382040 | 25 | 387913 | 39 |  |
| 290525 | 82 | 297753 | 109 | 313391 | 35 | 382050 | 25 | 387933 | 39 |  |
| 290545 | 82 | 297754 | 110 | 313510 | 45 | 382060 | 25 | 388013 | 41 |  |
| 290548 | 82 | 297755 | 110 | 313530 | 45 | 382070 | 25 | 388023 | 41 |  |
| 290549 | 82 | 297756 | 110 | 313550 | 45 | 382080 | 25 | 388143 | 41 |  |
| 290556 | 82 | 297771 | 111 | 313570 | 45 | 382190 | 25 | 388223 | 22 |  |
| 290558 | 82 | 297774 | 111 | 316301 | 33 | 382320 | 19 | 388243 | 22 |  |
| 290559 | 82 | 297777 | 112 | 350033 | 46 | 382340 | 19 | 388253 | 23 |  |
| 290575 | 82 | 297781 | 108 | 350043 | 47 | 382350 | 19 | 388263 | 23 |  |
| 290578 | 82 | 297792 | 104 | 350053 | 47 | 382360 | 19 | 388710 | 42 |  |
| 290579 | 82 | 297797 | 116 | 350453 | 47 | 382370 | 19 | 388730 | 42 |  |
| 290586 | 82 | 298100 | 140 | 352050 | 47 | 382820 | 36 | 388740 | 43 |  |
| 290588 | 82 | 298600 | 128 | 352153 | 55 | 382840 | 36 | 388760 | 43 |  |
| 290589 | 82 | 298610 | 129 | 352203 | 54 | 382850 | 37 | 389710 | 44 |  |
| 290600 | 92 | 298611 | 130 | 352293 | 54 | 382860 | 37 | 389730 | 44 |  |
| 290601 | 92 | 298612 | 129 | 352353 | 52 | 382870 | 37 | 389740 | 45 |  |
| 290670 | 92 | 298615 | 131 | 352363 | 52 | 382880 | 37 | 389760 | 45 |  |
| 290671 | 92 | 298617 | 131 | 352373 | 53 | 382990 | 37 | 410223 | 14 |  |
| 290690 | 92 | 298619 | 116 | 352383 | 53 | 383020 | 29 | 410243 | 14 |  |
| 293204 | 83 | 298651 | 128 | 352400 | 47 | 383040 | 29 | 411223 | 16 |  |
| 293710 | 139 | 298659 | 131 | 352450 | 47 | 383050 | 29 | 411243 | 16 |  |
| 293760 | 138 | 298700 | 117 | 352460 | 47 | 383060 | 29 | 412110 | 15 |  |
| 293765 | 138 | 298703 | 121 | 352470 | 47 | 383070 | 29 | 412130 | 15 |  |
| 294301 | 138 | 298704 | 120 | 352480 | 47 | 383080 | 29 | 412150 | 15 |  |
| 294400 | 139 | 298708 | 120 | 352490 | 47 | 383190 | 29 | 412170 | 15 |  |
| 294401 | 139 | 298713 | 118 | 352710 | 43 | 383320 | 20 | 412180 | 15 |  |
| 294500 | 139 | 298715 | 118 | 352720 | 43 | 383340 | 20 | 412190 | 15 |  |
| 295007 | 113 | 298718 | 118 | 352730 | 43 | 383350 | 21 | 412293 | 15 |  |
| 295008 | 113 | 298719 | 120 | 352750 | 43 | 383360 | 21 | 413110 | 17 |  |
| 296005 | 136 | 298724 | 117 | 354450 | 47 | 383370 | 21 | 413130 | 17 |  |
| 296010 | 136 | 298730 | 123 | 354460 | 47 | 383820 | 38 | 413150 | 17 |  |
| 296015 | 136 | 298772 | 123 | 356323 | 48 | 383840 | 38 | 413170 | 17 |  |
| 296115 | 93 | 298775 | 124 | 356333 | 49 | 383850 | 39 | 413180 | 17 |  |
| 296500 | 135 | 298781 | 121 | 356343 | 49 | 383860 | 39 | 413190 | 17 |  |
| 296520 | 135 | 299010 | 95 | 356463 | 48 | 383870 | 39 | 413293 | 17 |  |
| 296522 | 135 | 299011 | 95 | 356483 | 49 | 383880 | 39 | 414100 | 15 |  |
| 297000 | 140 | 299020 | 95 | 356523 | 55 | 383990 | 39 |  |  |  |
| 297001 | 134 | 299155 | 141 | 356533 | 55 | 384320 | 18 |  |  |  |
| 297035 | 134 | 310613 | 32 | 356543 | 55 | 385010 | 40 |  |  |  |
| 297342 | 141 | 310633 | 32 | 356663 | 55 | 385011 | 40 |  |  |  |
| 297344 | 141 | 310643 | 33 | 356683 | 55 | 385013 | 41 |  |  |  |
| 297701 | 103 | 311613 | 34 | 359053 | 51 | 385020 | 41 |  |  |  |
| 297703 | 108 | 311633 | 34 | 359063 | 51 | 385040 | 41 |  |  |  |
| 297704 | 107 | 311643 | 35 | 359073 | 51 | 385050 | 41 |  |  |  |
| 297708 | 107 | 312311 | 33 | 359083 | 51 | 385060 | 41 |  |  |  |
| 297713 | 106 | 312331 | 33 | 371530 | 92 | 385070 | 41 |  |  |  |
| 297715 | 106 | 312351 | 33 | 371531 | 92 | 385080 | 41 |  |  |  |
| 297721 | 110 | 312371 | 33 | 371533 | 91 | 386013 | 26 |  |  |  |
| 297724 | 105 | 312381 | 33 | 380113 | 24 | 386033 | 27 |  |  |  |
| 297730 | 112 | 312391 | 33 | 380123 | 24 | 386123 | 22 | Articles that are new |  |  |
| 297740 | 107 | 312510 | 43 | 380133 | 25 | 386143 | 27 | in the catalogue, are highlighted. |  |  |



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## SELVE


[^0]:    Symbol explanation
    for the following
    Range of application
    

    | Feature |
    | :--- |
    | R) |
    | Radio drive |

    Emergency
    Operano in
    of powereffalure Cco

[^1]:    * These information refer to the use in one-piece constructions.

[^2]:    * These information refer to the use in one-piece constructions.

[^3]:    *These information refer to the use in one-piece constructions.

[^4]:    The entire range of adapters can be found from page 56 onwards.

[^5]:    * These information refer to the use in one-piece constructions

[^6]:    * These information refer to the use in one-piece constructions.

[^7]:    Other control components

[^8]:    Note:

[^9]:    Note:

[^10]:    Note:

