



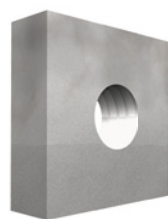
## Accessories

## Accessories

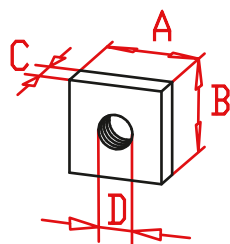
### Slide nuts

#### Square nut

Slide nuts position refer to chapter 2.2 page 3  
Material: galvanized steel



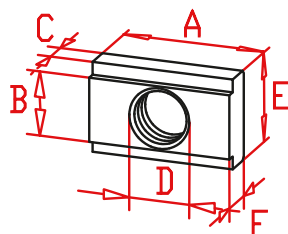
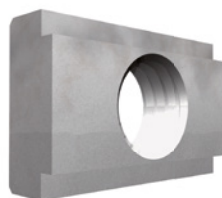
DIN 562



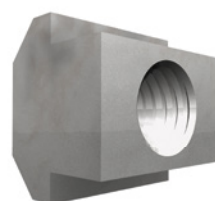
| Code-No. | Type | A  | B  | C   | D    |
|----------|------|----|----|-----|------|
| 02708    | M 4  | 7  | 7  | 2,2 | M 4  |
| 02710    | M 5  | 8  | 8  | 2,7 | M 5  |
| 02715    | M 6  | 10 | 10 | 3,2 | M 6  |
| 02714    | M 8  | 13 | 13 | 4   | M 8  |
| 02713    | M 10 | 17 | 17 | 5   | M 10 |
| 02721    | M 10 | 25 | 20 | 8   | M 10 |

#### T-nut

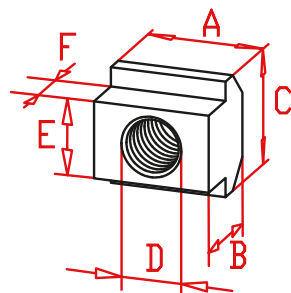
Slide nuts position refer to chapter 2.2 page 3  
Material: galvanized steel



| Code-No. | Type | A  | B   | C   | D    | E   | F   |
|----------|------|----|-----|-----|------|-----|-----|
| 02717    | M3   | 8  | 4,2 | 2,1 | M 3  | 6,9 | 4,3 |
| 02739    | M4   | 10 | 4,2 | 2,1 | M 4  | 6,9 | 3,3 |
| 02742    | M 5  | 12 | 5,3 | 3   | M 5  | 8   | 4   |
| 02709    | M 5  | 14 | 8,1 | 4,5 | M 5  | 14  | 6   |
| 02716    | M 6  | 14 | 8,1 | 4,5 | M 6  | 14  | 6   |
| 02718    | M 8  | 18 | 8,1 | 4,5 | M 8  | 14  | 6   |
| 02719    | M10  | 22 | 8,1 | 4,5 | M 10 | 14  | 6   |
| 02730    | M 6  | 13 | 10  | 4   | M 6  | 15  | 8   |
| 02731    | M 8  | 13 | 10  | 4   | M 8  | 15  | 8   |



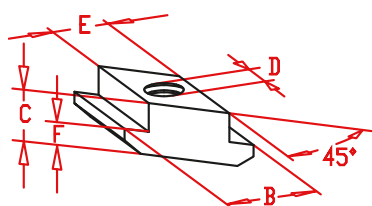
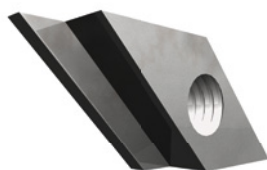
DIN 508



| Code-No. | Type | A  | B  | C  | D    | E  | F  |
|----------|------|----|----|----|------|----|----|
| 02734    | M 5  | 10 | 8  | 10 | M 5  | 6  | 4  |
| 02735    | M 6  | 13 | 10 | 13 | M 6  | 8  | 4  |
| 02736    | M 8  | 15 | 12 | 15 | M 8  | 10 | 6  |
| 02720    | M 10 | 18 | 14 | 18 | M 10 | 12 | 7  |
| 02722    | M 12 | 22 | 16 | 22 | M 12 | 14 | 8  |
| 02737    | M 16 | 28 | 20 | 28 | M 16 | 18 | 10 |

#### Rhombus nut

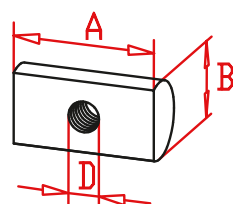
Slide nuts position refer to chapter 2.2 page 3  
Material: galvanized steel



| Code-No. | Type | B  | C | D   | E  | F   |
|----------|------|----|---|-----|----|-----|
| 02732    | M 8  | 15 | 9 | M 8 | 10 | 4,2 |
| 02733    | M 6  | 15 | 9 | M 6 | 10 | 4,2 |

#### Half round nut

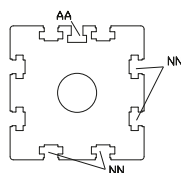
For guide body profile EL, ML, QL / QS and for fastening of jointing and mounting blocks. Material: galvanized steel



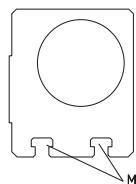
| Size   | Code-No. | Type | A  | B  | D      |
|--------|----------|------|----|----|--------|
| 30     | 02724    | M 3  | 28 | 5  | 2x M 3 |
| 40     | 02725    | M 5  | 14 | 6  | M 5    |
| 60 (S) | 02726    | M 6  | 18 | 10 | M 6    |
| 80 (S) | 02728    | M 8  | 22 | 12 | M 8    |
| 100    | 02729    | M 8  | 22 | 16 | M 8    |
| 125    | 02723    | M10  | 25 | 20 | M10    |

# T-nut allocation

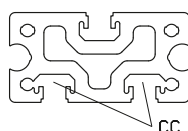
Bearing block profile EL



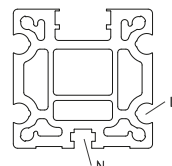
Bearing block profile ELZ



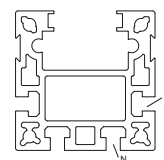
Guide body profile E



ML



LLZ



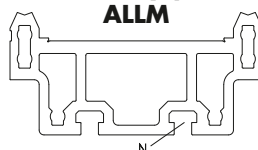
| Size   | T-slot nut slot AA<br>Code No. | T-slot nut slot NN<br>Code No. |
|--------|--------------------------------|--------------------------------|
| 30     | 02715                          | 02715                          |
| 40     | 02710                          | 02715                          |
| 60 (S) | 02710                          | 02718                          |
| 80 (S) | 02714                          | 02719                          |
| 100    | 02714                          | 02720                          |
| 125    | 02736                          | 02722                          |

| Size   | T-slot nut slot M<br>Code No. |
|--------|-------------------------------|
| 30     | 02710                         |
| 40     | 02735                         |
| 60 (S) | 02731 / 02719                 |
| 80 (S) | 02736                         |
| 100    | 02720                         |
| 125    | 02722                         |

| Size | T-slot nut slot CC<br>Code No. |
|------|--------------------------------|
| 40   | 02730 / 02731                  |
| 60   | 02730 / 02731                  |
| 80   | 02730 / 02731                  |

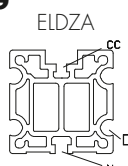
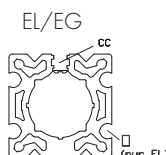
| Size      | T-slot nut slot N<br>Code No. | T-slot nut slot O<br>Code No. |
|-----------|-------------------------------|-------------------------------|
| ML 60 (S) | 02716 / 02718                 | 02726                         |
| ML 80 (S) | 02719                         | 02728                         |
| ML 100    | 02720                         | 02729                         |
| LLZ60     | 02734                         |                               |

Guide body profile ALLM



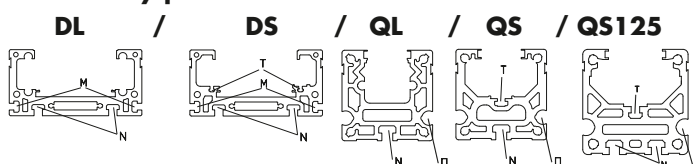
| Size | T-slot nut slot N<br>Code No. |
|------|-------------------------------|
| 200  | 02737                         |

Guide body profile EL / EG



| Size        | T-slot nut slot CC<br>Code No. | T-slot nut slot O<br>Code No. | T-slot nut slot N<br>Code No. |
|-------------|--------------------------------|-------------------------------|-------------------------------|
| EL 30       | 02715                          | 02724                         | -                             |
| EL/EG 40    | 02718                          | 02725                         | -                             |
| EL/EG 60    | 02718                          | 02726                         | -                             |
| EL/EG 80(S) | 02718                          | 02728                         | -                             |
| EL 100      | 02721                          | 02729                         | -                             |
| EL 125      | 02721                          | 02723                         | -                             |
| ELDZA 60(S) | 02734                          | 02726                         | 02735                         |
| ELDZA 80(S) | 02730                          | 02728                         | 02720                         |
| ELDZA 100   | 02736                          | 02729                         | 02720                         |

Guide body profile



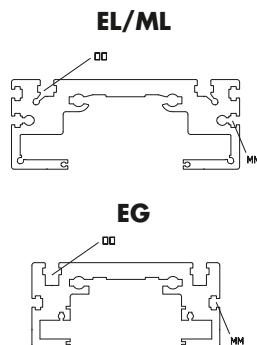
| Size      | T-slot nut slot N<br>Code No. | T-slot nut slot M<br>Code No. | T-slot nut slot T*<br>Code No. | T-slot nut slot O*<br>Code No. |
|-----------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|
| DL/DS 120 | 02735                         | 02734                         | 02717                          | -                              |
| DL/DS 160 | 02736                         | 02735                         | 02739                          | -                              |
| DL/DS 200 | 02720                         | 02736                         | 02735                          | -                              |
| QL/QS 60  | 02734**                       | -                             | 02739                          | 02726                          |
| QL/QS 80  | 02735**                       | -                             | 02742                          | 02728                          |
| QL/QS 100 | 02720**                       | -                             | 02716                          | 02729                          |
| QS 125    | 02720                         | -                             | 02736                          | 02723                          |

\* only for DS/QS guide body profile

\*\* not in QST/K guide body profile

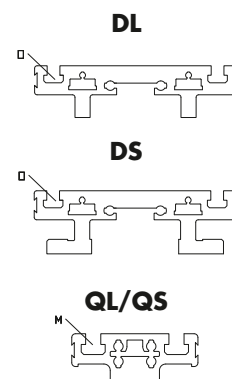
Carriage profile EL / EG

| Size | T-slot nut slot OO<br>Code No. | T-slot nut slot MM<br>Code No. |
|------|--------------------------------|--------------------------------|
| 30   | 02715                          | -                              |
| 40   | 02716 / 02709                  | -                              |
| 60   | 02718                          | -                              |
| 60 S | 02736                          | -                              |
| 80   | 02718 / 02719                  | 02715                          |
| 80S  | 02736                          | 02735                          |
| 100  | 02720                          | 02713                          |
| 125  | 02722                          | 02720                          |



Carriage profile DL / DS / QL / QS

| Size      | T-slot nut slot O<br>Code No. | T-slot nut slot M<br>Code No. |
|-----------|-------------------------------|-------------------------------|
| DL/DS 120 | 02735                         | -                             |
| DL/DS 160 | 02736                         | -                             |
| DL/DS 200 | 02720                         | -                             |
| QL/QS 60  | -                             | 02735                         |
| QL/QS 80  | -                             | 02736                         |
| QL/QS 100 | -                             | 02720                         |
| QS 125    | -                             | 02722                         |

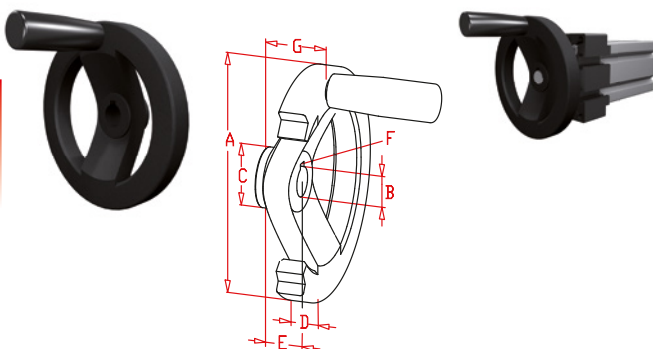


Slide nut dimensions refer to chapter 2.2 page 2

## Accessories

### Handwheel Positional Indicator Clamp

**Handwheel** with keyway and locking screw



A plastic coated aluminium handwheel with a matt black finish. Equipped with a black handle.

| Code-No. | Type | A   | B  | C  | D    | E  | F   | G  |
|----------|------|-----|----|----|------|----|-----|----|
| 00050    | 30   | 70  | 5  | 17 | 13   | 15 | -   | 20 |
| 00100    | 40   | 100 | 10 | 29 | 14,5 | 17 | 3x3 | 30 |
| 00160    | 60   | 140 | 14 | 36 | 16,5 | 19 | 5x5 | 36 |
| 00200    | 80   | 200 | 18 | 42 | 20,5 | 24 | 6x6 | 45 |
| 00222    | 100  | 200 | 22 | 42 | 20,5 | 24 | 6x6 | 45 |

**Positional indicator EL / EG**



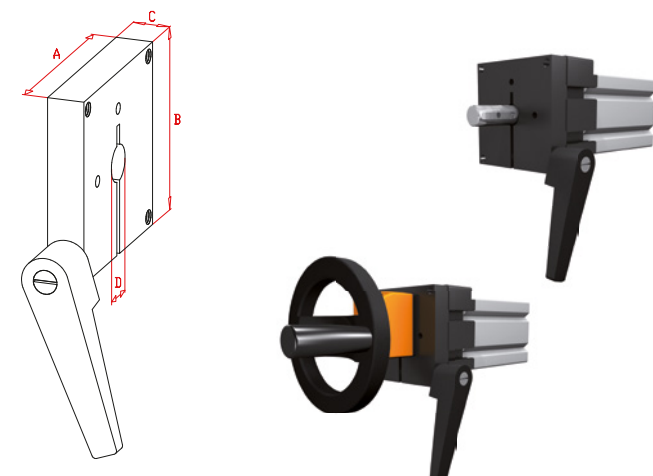
Shell made of polyamide orange. Ambient temperature 80°C. Any fitting position possible. Numeral height 6 mm. Accuracy of reading 0,1 mm.

| Code-No. | Size       | AxBxC    | D           | type | pitch (mm) |
|----------|------------|----------|-------------|------|------------|
| 00231..  | 30         | 33x47x31 | 6           | SH   | 2,5 or 3   |
| 00232..  | 30         | 33x47x31 | 6           | FH   | 2,5 or 3   |
| 00233..  | 30         | 33x47x31 | 6           | SV   | 2,5 or 3   |
| 00234..  | 30         | 33x47x31 | 6           | FV   | 2,5 or 3   |
| 00241..  | 40, 60, 80 | 48x67x51 | 12,17,20    | SH   | 4 or 8     |
| 00242..  | 40, 60, 80 | 48x67x51 | 12,17,20    | FH   | 4 or 8     |
| 00243..  | 40, 60, 80 | 48x67x51 | 12,17,20    | SV   | 4 or 8     |
| 00244..  | 40, 60, 80 | 48x67x51 | 12,17,20    | FV   | 4 or 8     |
| 00251..  | 40, 60, 80 | 48x67x51 | 12,17,20    | SH   | 5 or 10    |
| 00252..  | 40, 60, 80 | 48x67x51 | 12,17,20    | FH   | 5 or 10    |
| 00253..  | 40, 60, 80 | 48x67x51 | 12,17,20    | SV   | 5 or 10    |
| 00254..  | 40, 60, 80 | 48x67x51 | 12,17,20    | FV   | 5 or 10    |
| 00261..  | 100, 125   | 56x75x64 | 25,30       | SH   | 6 or 12    |
| 00262..  | 100, 125   | 56x75x64 | 25,30       | FH   | 6 or 12    |
| 00263..  | 100, 125   | 56x75x64 | 25,30       | SV   | 6 or 12    |
| 00264..  | 100, 125   | 56x75x64 | 25,30       | FV   | 6 or 12    |
| 00265..  | 40, 60, 80 | 48x76x39 | 12,17,20,30 | SH   | 0,01 - 10  |
| 00266..  | 40, 60, 80 | 48x76x39 | 12,17,20,30 | FH   | 0,01 - 10  |
| 00267..  | 40, 60, 80 | 48x76x39 | 12,17,20,30 | SV   | 0,01 - 10  |
| 00268..  | 40, 60, 80 | 48x76x39 | 12,17,20,30 | FV   | 0,01 - 10  |

**0024108**

Sample ordering code: size 40, 8 mm pitch increasing horizontal.

**Spindle clamp EL / EG, DL / DS / QST/K**



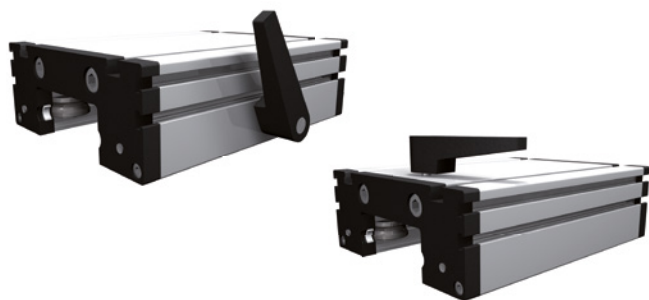
Black anodized aluminium, steel hand lever.

| Code-No. | Type                | A   | B   | C  | D  | Hand-lever |
|----------|---------------------|-----|-----|----|----|------------|
| 00291    | EL/EG 30            | 43  | 50  | 10 | 6  | M 6        |
| 00292    | EL/EG 40            | 58  | 70  | 10 | 12 | M 6        |
| 00293    | EL/EG 60            | 80  | 80  | 15 | 17 | M 8        |
| 00294    | EL/EG 80            | 100 | 100 | 20 | 20 | M10        |
| 00295    | E 100               | 130 | 130 | 20 | 25 | M10        |
| 00296    | E 125               | -   | -   | -  | -  | -          |
| 00283    | DL/DS 120           | 62  | 80  | 15 | 12 | M 6        |
| 00284    | DL/DS 160           | 80  | 90  | 20 | 17 | M 8        |
| 00285    | DL/DS 200<br>QS 100 | 90  | 99  | 20 | 25 | M 8        |
| 00286    | QS 80               | 80  | 90  | 20 | 17 | M 8        |
| 00287    | QS 60               | 62  | 80  | 15 | 12 | M 6        |

## Accessories

### Clamp Mounting systems

#### Carriage clamp EL / ML / EG

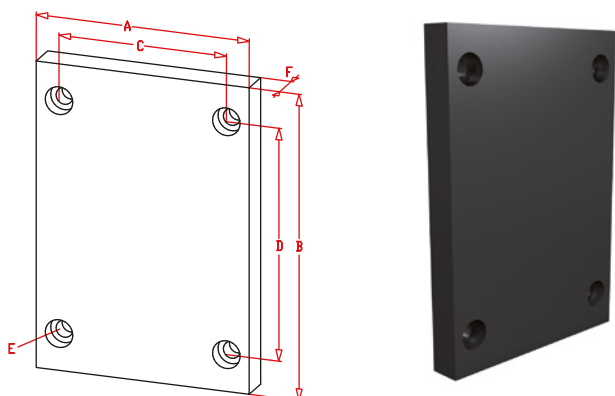


Carriage with carriage clam. Carriage length can be chosen as required. Depending on type of drive (spindle or belt) the position of clamp can be different. Dimensions by inquiry.

| Code-No. | Type  |
|----------|-------|
| 00311    | EG 30 |
| 00312    | EG 40 |
| 00313    | EG 60 |
| 00314    | EG 80 |
| 00301    | EL 30 |

| Code-No. | Type      |
|----------|-----------|
| 00302    | EL 40     |
| 00303    | EL/ML 60  |
| 00304    | EL/ML 80  |
| 00305    | EL/ML 100 |
| 00306    | EL 125    |

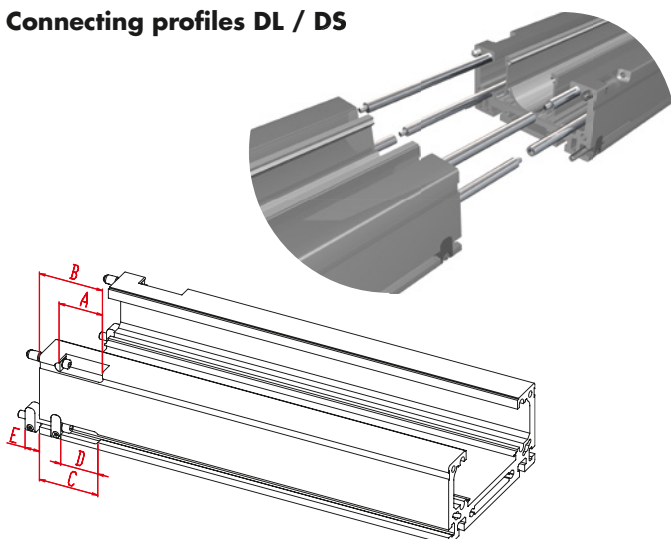
#### Assembly plate



Assembly plate, anodized aluminium, enables various units to be assembled in a simple manner when combinations of linear units are to be used. Complete with screws and slide-nuts. Tapped holes can be made on request.

| Code-No. | Type       | A   | B   | C   | D   | E for | F  |
|----------|------------|-----|-----|-----|-----|-------|----|
| 00940    | EG 40      | 100 | 70  | 52  | 52  | M 6   | 12 |
| 00960    | EG 60      | 144 | 100 | 126 | 80  | M 8   | 15 |
| 00980    | EG 80      | 170 | 140 | 150 | 110 | M10   | 15 |
| 00935    | EL 30      | 70  | 70  | 56  | 56  | M 6   | 10 |
| 00945    | EL 40      | 100 | 100 | 84  | 66  | M 6   | 12 |
| 00965    | EL/ML 60   | 144 | 144 | 126 | 96  | M 8   | 15 |
| 00964    | EL/ML 60 S | 170 | 170 | 152 | 108 | M 8   | 15 |
| 00985    | EL/ML 80   | 170 | 170 | 150 | 117 | M10   | 15 |
| 00984    | EL/ML 80 S | 190 | 190 | 172 | 126 | M 8   | 15 |
| 00915    | EL/ML 100  | 270 | 230 | 248 | 155 | M10   | 20 |
| 00925    | EL 125     | 335 | 295 | 285 | 200 | M12   | 20 |
| 00966    | DL/DS 120  | 140 | 120 | 122 | 96  | M 6   | 12 |
| 00986    | DL/DS 160  | 180 | 160 | 162 | 130 | M 8   | 15 |
| 00916    | DL/DS 200  | 240 | 200 | 218 | 160 | M 10  | 20 |
| 00967    | QL 60      | 140 | 60  | 122 | 36  | M 6   | 12 |
| 00987    | QL 80      | 180 | 80  | 162 | 50  | M 8   | 15 |
| 00917    | QL 100     | 240 | 100 | 218 | 66  | M10   | 20 |
| 00926    | QS 60      | 165 | 60  | 147 | 36  | M6    | 12 |
| 00928    | QS 80      | 216 | 80  | 198 | 50  | M8    | 15 |
| 00911    | QS 100     | 248 | 100 | 226 | 66  | M10   | 20 |

#### Connecting profiles DL / DS



Anodized aluminium. For joining body profiles longer than standard.

| Code-No. | Type   | A    | B  | C    | D    | E     |
|----------|--------|------|----|------|------|-------|
| 03090    | DS 120 | 47,5 | 66 | 78   | 56   | 12    |
| 03090_01 | DL 120 | 47,5 | 66 | 78   | 56   | 12    |
| 03091    | DS 160 | 39   | 58 | 78,5 | 56,5 | 12    |
| 03091_01 | DL 160 | 39   | 58 | 78,5 | 56,5 | 12    |
| 03092    | DS 200 | 53   | 77 | 71,3 | 45,3 | 17,55 |
| 03092_01 | DL 200 | 53   | 77 | 71,3 | 45,3 | 17,55 |

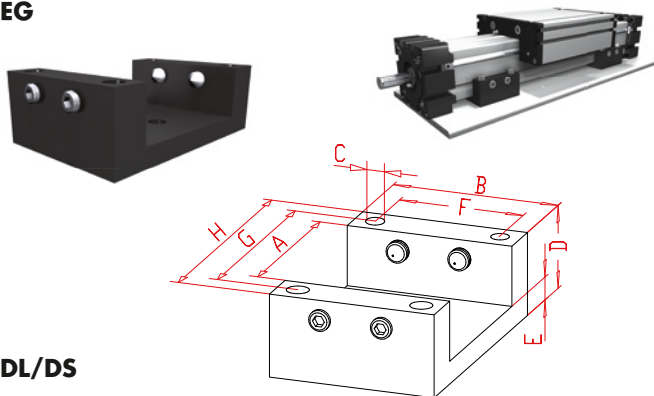


## Accessories

### Mounting systems

#### Support and mounting block

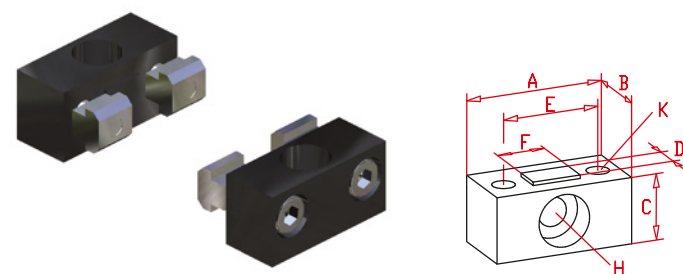
##### EG



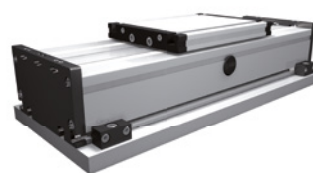
Black anodized aluminium, for mounting and for supporting long units. These components can be ready mounted on the units by us to customer's specification. Mounting can be clear or tapped holes and slide-nuts.

| Code-No. | Type  | A  | B  | C    | D    | E  | F      | G   | H   |
|----------|-------|----|----|------|------|----|--------|-----|-----|
| 03043    | EG 40 | 40 | 40 | 6,5  | 24,0 | 9  | 1 hole | 50  | 60  |
| 03063    | EG 60 | 60 | 60 | 9,0  | 35,0 | 11 |        | 75  | 90  |
| 03083    | EG 80 | 80 | 80 | 10,5 | 39,0 | 11 |        | 100 | 120 |

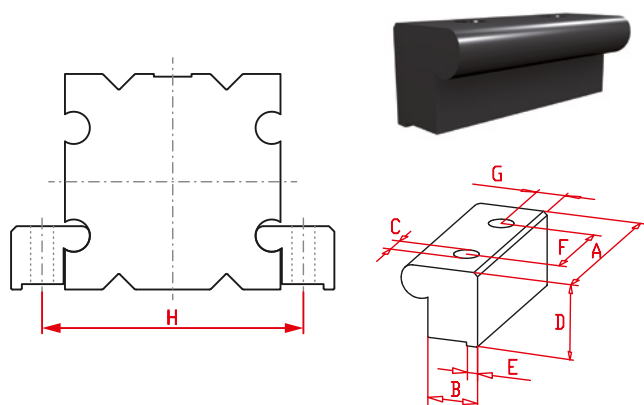
##### DL/DS



| Code-No. | Type      | A  | B  | C  | D  | E  | F  | G   | H for | K for |
|----------|-----------|----|----|----|----|----|----|-----|-------|-------|
| 03001    | DL/DS 120 | 34 | 17 | 14 | 6  | 22 | 10 | 134 | M6    | M5    |
| 03002    | DL/DS 160 | 40 | 20 | 19 | 8  | 28 | 14 | 179 | M8    | M6    |
| 03003    | DL/DS 200 | 50 | 30 | 24 | 10 | 34 | 18 | 224 | M10   | M8    |



#### Mounting profile EL / ML / Q



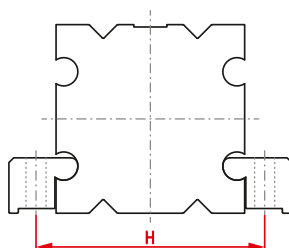
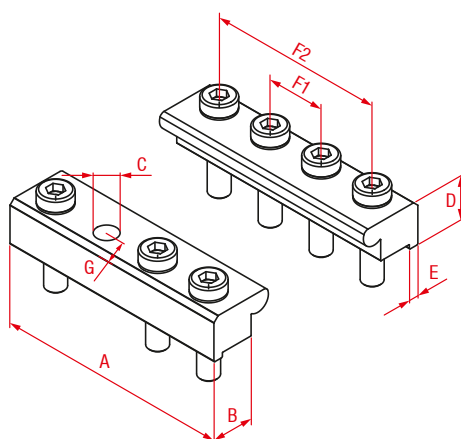
Black anodized aluminium, for mounting.  
Mounting can be clear or tapped holes. Pair (without screws)

| Code-No. | Type        | A   | B    | Ø C  | D    | E | F  | G    | H   |
|----------|-------------|-----|------|------|------|---|----|------|-----|
| 03039    | EL 30       | 24  | 11,5 | 5,5  | 10   | 3 | 12 | 6,5  | 41  |
| 03049    | EL 40       | 32  | 15,5 | 6,5  | 13   | 4 | 16 | 9    | 54  |
| 03069    | EL/ML/Q 60  | 48  | 17,5 | 8,5  | 18   | 4 | 24 | 9,5  | 77  |
| 03089    | EL/ML/Q 80  | 64  | 19,5 | 8,5  | 23,5 | 4 | 32 | 11,5 | 97  |
| 03019    | EL / Q 100  | 80  | 21,5 | 10,5 | 30,5 | 4 | 40 | 12   | 120 |
| 03029    | EL / QS 125 | 100 | 27   | 13   | 40   | 6 | 50 | 15,5 | 149 |
| 03009    | LLZ 60      | 64  | 19,5 | 8,5  | 23,5 | 4 | 32 | 11,5 | 76  |

#### Double mounting profile EL / ML / Q

Black anodized aluminium. For mounting and joining body profiles longer than standard.  
Mounting can be clear or tapped holes.  
Pair (without screws)

| Code-No. | Type             | A   | B    | C    | D    | E | F1 | F2  | G    | H   |
|----------|------------------|-----|------|------|------|---|----|-----|------|-----|
| 03039-2  | EL 30            | 48  | 11,5 | 5,5  | 10   | 3 | 12 | 36  | 6,5  | 41  |
| 03049-2  | EL 40            | 64  | 15,5 | 6,6  | 13   | 4 | 16 | 48  | 9    | 54  |
| 03069-2  | EL / ML / Q 60   | 96  | 17,5 | 9    | 18   | 4 | 24 | 72  | 9,5  | 77  |
| 03089-2  | EL / ML / Q 80   | 128 | 19,5 | 9    | 23,5 | 4 | 32 | 96  | 11,5 | 97  |
| 03019-2  | EL / QL / QS 100 | 160 | 21,5 | 11   | 30,5 | 4 | 40 | 120 | 12   | 120 |
| 03029-2  | EL / QS 125      | 200 | 27,0 | 13,5 | 40   | 6 | 50 | 150 | 15,5 | 149 |
| 03009-2  | LLZ 60           | 128 | 19,5 | 9    | 23,5 | 4 | 32 | 96  | 11,5 | 97  |

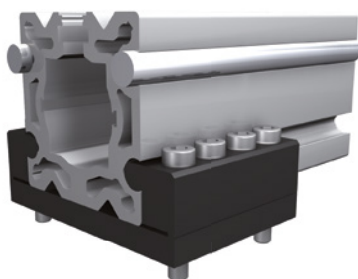


## Accessories

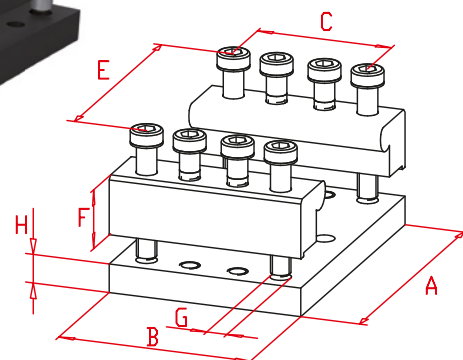
### Mounting systems

#### Mounting block EL / ML / Q

Black anodized aluminium, for mounting and for supporting long units. These components can be ready mounted on the units by us to customer's specification. Mounting can be clear or tapped holes and slide-nuts.

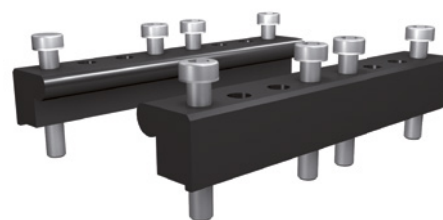
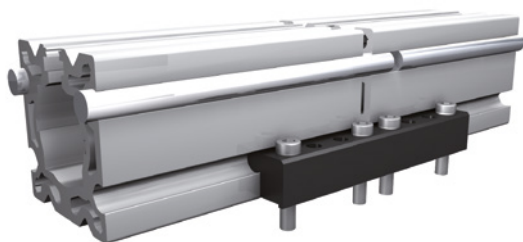


| Code-No. | Type        | A   | B   | C  | E   | F    | G    | H    |
|----------|-------------|-----|-----|----|-----|------|------|------|
| 030301   | EL 30       | 54  | 30  | 20 | 38  | 10   | 4,2  | 6    |
| 030401   | EL 40       | 72  | 40  | 26 | 50  | 13   | 6,4  | 9    |
| 030601   | EL/ML/Q 60  | 96  | 60  | 40 | 75  | 18   | 8,5  | 10,8 |
| 030801   | EL/ML/Q 80  | 120 | 80  | 60 | 100 | 23,5 | 10,5 | 10,8 |
| 030101   | EL/ML/Q 100 | 144 | 100 | 70 | 120 | 30,5 | 10,5 | 14,8 |
| 030201   | EL/QS 125   | 180 | 125 | 85 | 150 | 40   | 11   | 20   |

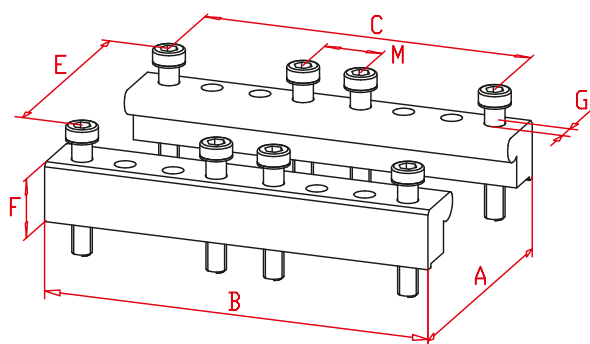


#### Joining profile EL / ML / Q

Black anodized aluminium. For joining body profiles longer than standard.

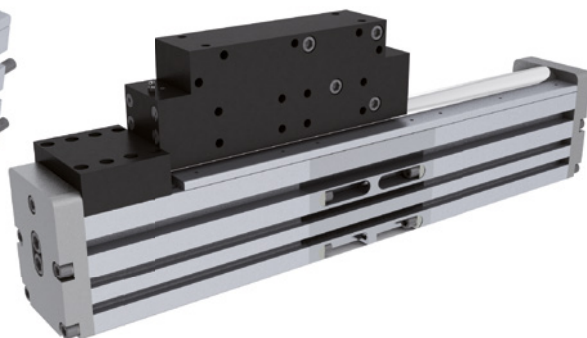
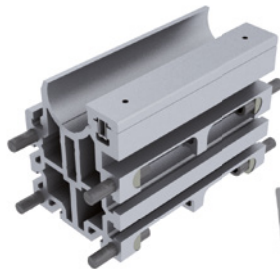


| Code-No. | Type        | A   | B   | C   | E   | F    | G    | M  |
|----------|-------------|-----|-----|-----|-----|------|------|----|
| 030312   | EL 30       | 54  | 60  | 50  | 38  | 10   | 4,2  | 10 |
| 030412   | EL 40       | 72  | 80  | 66  | 50  | 13   | 6,4  | 14 |
| 030612   | EL/ML/Q 60  | 96  | 120 | 100 | 75  | 18   | 8,5  | 20 |
| 030812   | EL/ML/Q 80  | 120 | 160 | 140 | 100 | 23,5 | 10,5 | 20 |
| 030112   | EL/ML/Q 100 | 144 | 200 | 170 | 120 | 30,5 | 10,5 | 30 |
| 030212   | EL/QS 125   | 180 | 250 | 210 | 150 | 40   | 11   | 40 |

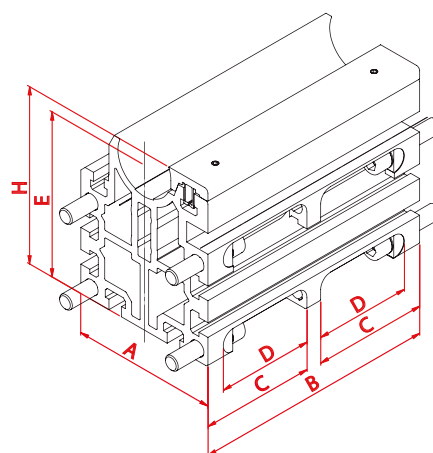


#### Joining block SLT

Anodized aluminium. For joining body profiles longer than standard.



| Code-No. | Type   | A   | B   | C    | D  | E   | H   |
|----------|--------|-----|-----|------|----|-----|-----|
| 030703   | SLT 30 | 80  | 160 | 77   | 65 | 100 | 105 |
| 030705   | SLT 50 | 120 | 200 | 93,5 | 79 | 135 | 145 |



## Accessories

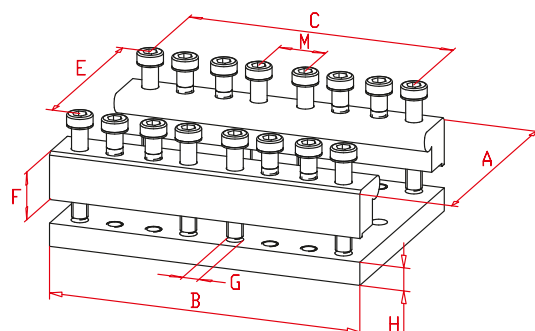
### Mounting systems

#### Joining block EL / ML / Q

Black anodized aluminium, for joining, mounting and supporting long units. These components can be ready mounted on the units by us to customer's specification. Mounting can be clear or tapped holes and slide-nuts.

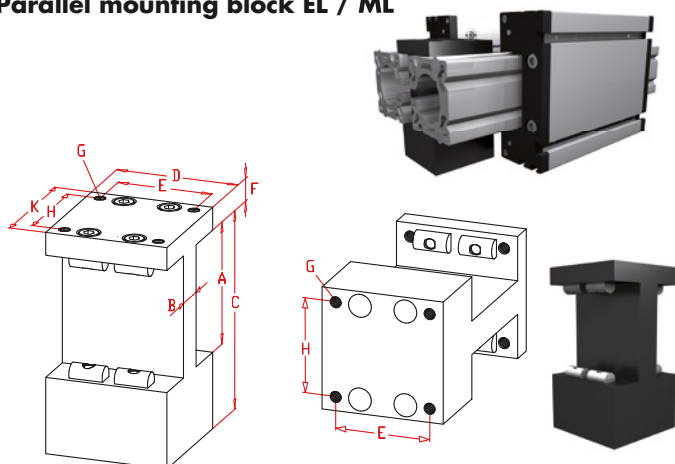


| Code-No. | Type        | A   | B   | C   | E   | F    | G    | H    | M  |
|----------|-------------|-----|-----|-----|-----|------|------|------|----|
| 030311   | EL 30       | 54  | 60  | 50  | 38  | 10   | 4,2  | 6    | 10 |
| 030411   | EL 40       | 72  | 80  | 66  | 50  | 13   | 6,4  | 9    | 14 |
| 030611   | EL/ML/Q 60  | 96  | 120 | 100 | 75  | 18   | 8,5  | 10,8 | 20 |
| 030811   | EL/ML/Q 80  | 120 | 160 | 140 | 100 | 23,5 | 10,5 | 10,8 | 20 |
| 030111   | EL/ML/Q 100 | 144 | 200 | 170 | 120 | 30,5 | 10,5 | 14,8 | 30 |
| 030211   | EL/QS 125   | 180 | 250 | 210 | 150 | 40   | 11   | 20   | 40 |



#### Parallel mounting block EL / ML

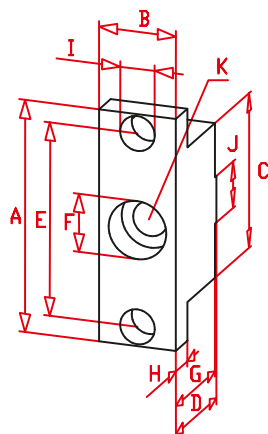
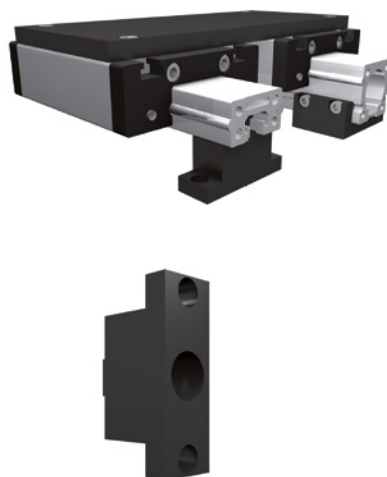
Black anodized aluminium. For parallel mounting of two units.



| Code-No. | Type | A   | B  | C   | D   | E   | F    | G   | H   | K   |
|----------|------|-----|----|-----|-----|-----|------|-----|-----|-----|
| 03042    | 40   | 40  | 18 | 85  | 58  | 50  | 10   | M 6 | 50  | 58  |
| 03062    | 60   | 60  | 22 | 123 | 70  | 54  | 15   | M 8 | 54  | 70  |
| 03064    | 60S  | 60  | 22 | 120 | 70  | 54  | 15   | M 8 | 54  | 70  |
| 03082    | 80   | 80  | 22 | 145 | 80  | 62  | 15   | M 8 | 62  | 80  |
| 03084    | 80S  | 80  | 22 | 155 | 80  | 62  | 15   | M 8 | 62  | 80  |
| 03012    | 100  | 100 | 30 | 200 | 110 | 90  | 20   | M10 | 90  | 110 |
| 03022    | 125  | 125 | 40 | 253 | 135 | 115 | 22,5 | M12 | 115 | 135 |

#### Mounting block E - units

Black anodized aluminium. Support and mounting block for E40, 60, 80. By using this mounting block you will reach the same level of heights as EL-units with support. Assembling by through holes (frame) and slide-nuts (unit).



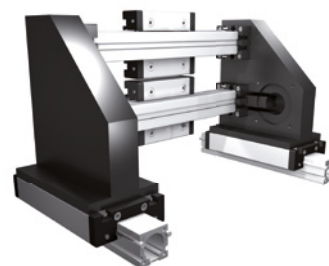
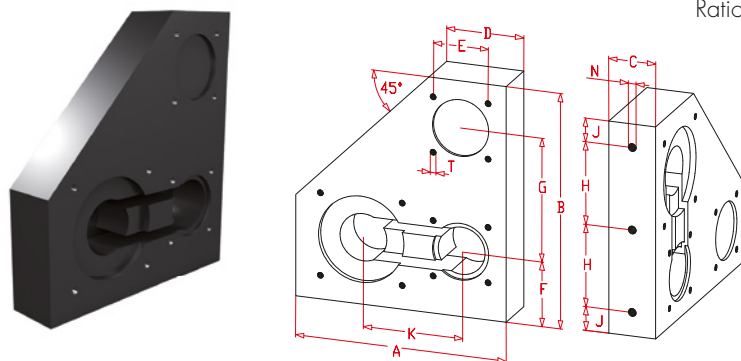
| Code-No. | Type | A   | B  | C  | D    | E   | Ø F | G    | H  | Ø I  | J  | Ø K |
|----------|------|-----|----|----|------|-----|-----|------|----|------|----|-----|
| 03048    | E 40 | 60  | 20 | 40 | 28   | 50  | 15  | 27   | 8  | 6,6  | 12 | 9   |
| 03068    | E 60 | 90  | 25 | 59 | 41,7 | 75  | 15  | 40,7 | 10 | 9    | 12 | 9   |
| 03088    | E 80 | 120 | 30 | 80 | 51,8 | 100 | 15  | 50,8 | 15 | 10,5 | 12 | 9   |

## Accessories

### Mounting systems

#### Double mounting block with motor housing

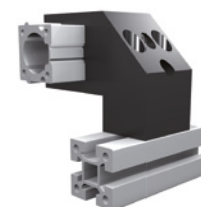
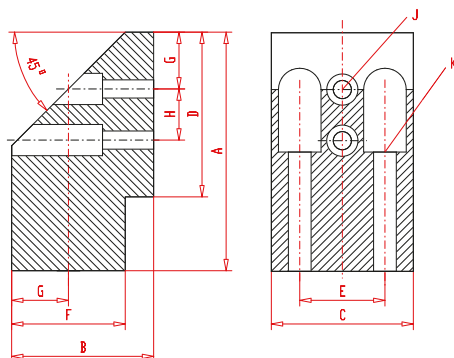
Black anodized aluminium, including pulleys and belt for the drive.  
Ratio 1:1



| Code-No.     | Type      | A   | B   | C  | D  | E      | F  | G   | H    | J  | K   | N  | T  |
|--------------|-----------|-----|-----|----|----|--------|----|-----|------|----|-----|----|----|
| <b>03050</b> | <b>40</b> | 180 | 200 | 40 | 66 | □ 47   | 55 | 105 | 70   | 20 | 85  | M8 | M6 |
| <b>03051</b> | <b>60</b> | 205 | 304 | 50 | 74 | □ 68,6 | 80 | 164 | 87,5 | 15 | 125 | M8 | M8 |

#### Angular mounting block

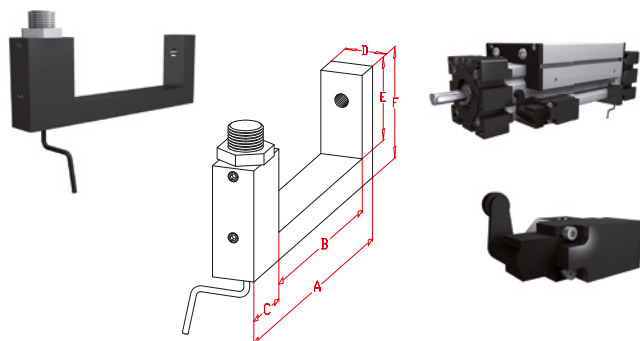
Black anodized aluminium.



| Code-No.     | Type      | A   | B  | C  | D  | E  | F  | G  | H  | J<br>Ø | K<br>Ø |
|--------------|-----------|-----|----|----|----|----|----|----|----|--------|--------|
| <b>03055</b> | <b>40</b> | 84  | 50 | 50 | 58 | 30 | 40 | 20 | 18 | 6,4    | 8,4    |
| <b>03056</b> | <b>60</b> | 117 | 50 | 59 | 80 | 36 | 40 | 20 | 30 | 9      | 9      |

#### Proximity / limit switch holder EG

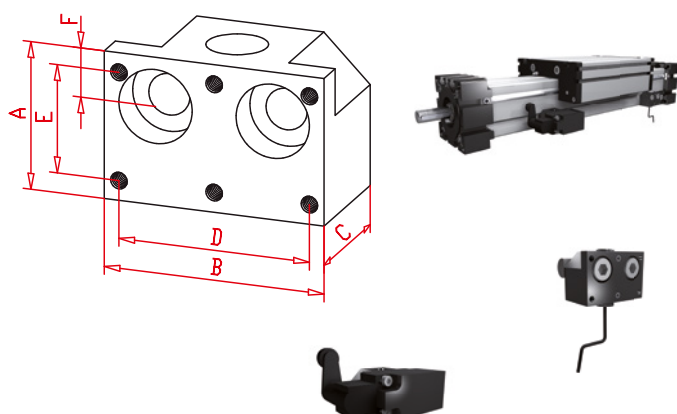
Black anodized aluminium bracket, fixed by grub screws. Position along the length of the units is adjustable. Fixing holes for proximity and limit switches are provided.



| Code-No.     | Type         | A   | B  | C  | D  | E  | F  | Drill hole |
|--------------|--------------|-----|----|----|----|----|----|------------|
| <b>01340</b> | <b>EG 40</b> | 72  | 40 | 24 | 15 | 19 | 28 | 8,2        |
| <b>01360</b> | <b>EG 60</b> | 92  | 60 | 24 | 15 | 26 | 35 | 12,2       |
| <b>01380</b> | <b>EG 80</b> | 114 | 81 | 24 | 15 | 30 | 40 | 12,2       |

#### Proximity / limit switch holder EL

Black anodized aluminium bracket, fixed by screws into with half-round nuts in the body half-round-slots, hence position axially adjustable. Fixing holes for proximity and limit switches are provided. Complete with screws and half-round nuts.

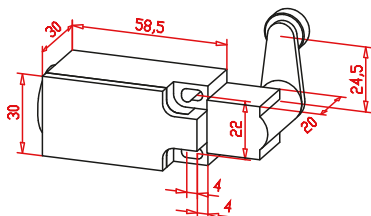
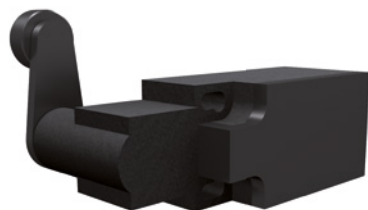


| Code-No.     | Type            | A                           | B  | C  | D  | E  | F    | Drill hole |
|--------------|-----------------|-----------------------------|----|----|----|----|------|------------|
| <b>01331</b> | <b>EL 30</b>    | 12                          | 30 | 12 | -  | -  | 6    | 8,2        |
| <b>01341</b> | <b>EL 40</b>    | 28                          | 32 | 25 | 26 | 22 | 8    | 8,2        |
| <b>01361</b> | <b>EL 60</b>    | 30                          | 40 | 25 | 32 | 22 | 11   | 12,2       |
| <b>01381</b> | <b>EL 80</b>    | 30                          | 45 | 25 | 39 | 22 | 10   | 12,2       |
| <b>01311</b> | <b>EL 100</b>   | 40                          | 55 | 20 | 49 | 22 | 12   | 12,2       |
| <b>01321</b> | <b>EL 125</b>   | 45                          | 60 | 25 | 52 | 22 | 12,5 | 12,2       |
| <b>01300</b> | <b>EL60-125</b> | Reducing sleeve Ø 12 to Ø 8 |    |    |    |    |      |            |

## Accessories

## Switches

### Limit switch

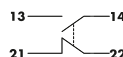
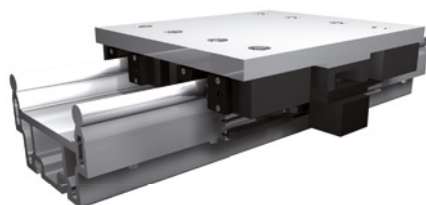


Fully insulated thermoplastic switch with adjustable operation lever.  
The operation device can be turned by 90°, the lever can be turned to engage by 360°.

|                          |                     |
|--------------------------|---------------------|
| Max. voltage             | 380 V               |
| Max. constant current    | 6 A                 |
| Max. current at make     | 16 A                |
| Duty classification      | max.6000/h          |
| Mechanical lifetime      | 1 x 10 <sup>7</sup> |
| Operating repeatability  | ± 0,01              |
| Transit time/snap switch | ca. 10 ms           |
| Protection class         | IP 65 (DIN 40050)   |
| Working temperature      | -30° C to +80° C    |

| Code-No. | choice               |
|----------|----------------------|
| 01101    | standard             |
| 01102    | M16x1,5<br>connector |
| 01101ex  | Version<br>ATEX      |

### Limit switch



3 electromechanical switches in a row.

|                          |                   |
|--------------------------|-------------------|
| Nominal voltage          | 250 V             |
| Cont. current            | 6 A               |
| Switch rate              | max.300/min.      |
| Mech. Lifetime           | >30 Mio.          |
| Repeatability            | ± 0,01 mm         |
| Transit time/snap switch | ca. 10 ms         |
| Protection class         | IP 67 (DIN 60529) |
| Working temperature      | -5° C bis +80° C  |

| Code-No. | choice             |
|----------|--------------------|
| 01105    | switch<br>system * |

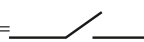
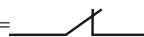
\* consisting of 2 cam ledges and 3 cams

### Proximity switch

Inductive proximity switches. Protection class IP67



| Code-No. | Type  | Switching distance | Voltage   | Output | Function |
|----------|-------|--------------------|-----------|--------|----------|
| 01003    | M8    | 1 mm               | 10 - 30 V | 200 mA | PNP NC   |
| 01004    | M8    | 1 mm               | 10 - 30 V | 200 mA | PNP NO   |
| 01001    | M12   | 2 mm               | 10 - 30 V | 200 mA | PNP NC   |
| 01002    | M12   | 2 mm               | 10 - 30 V | 200 mA | PNP NO   |
| 010014   | Q 8x8 | 2 mm               | 10 - 30 V | 200 mA | PNP NC   |
| 010013   | Q 8x8 | 2 mm               | 10 - 30 V | 200 mA | PNP NO   |

PNP NO (normally open) =   
PNP NC (normally closed) = 

# Accessories

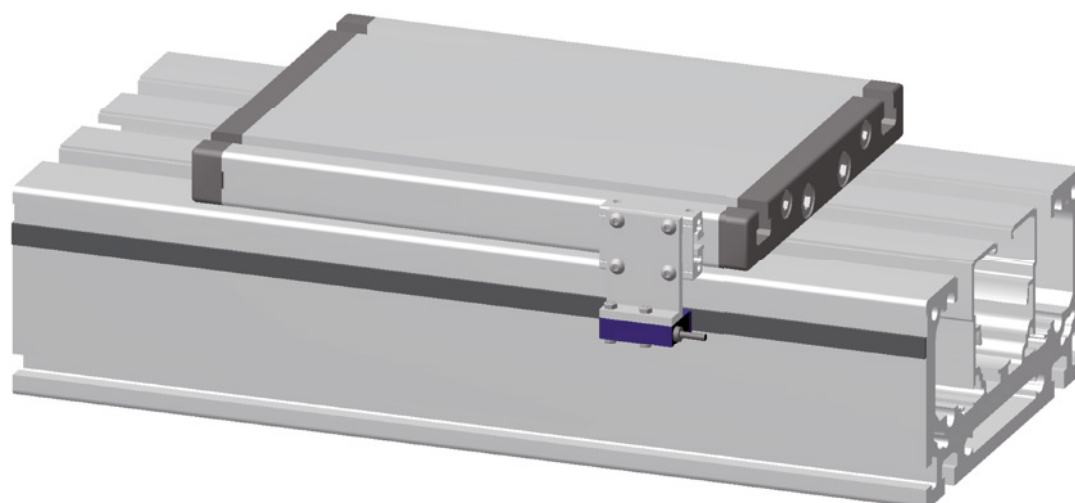
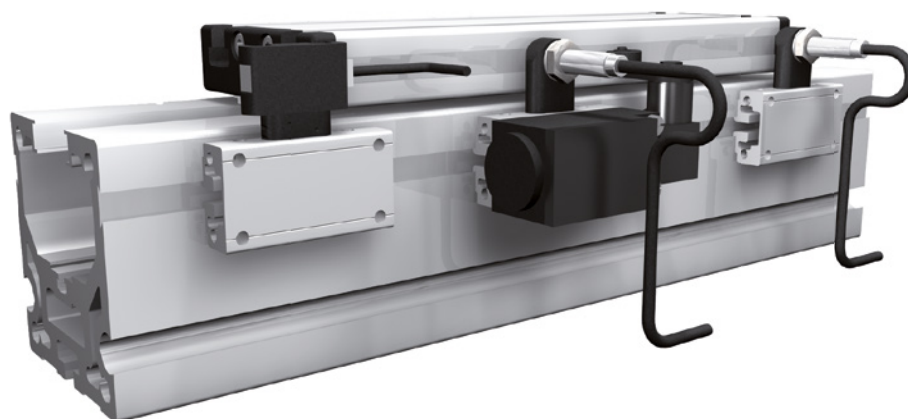
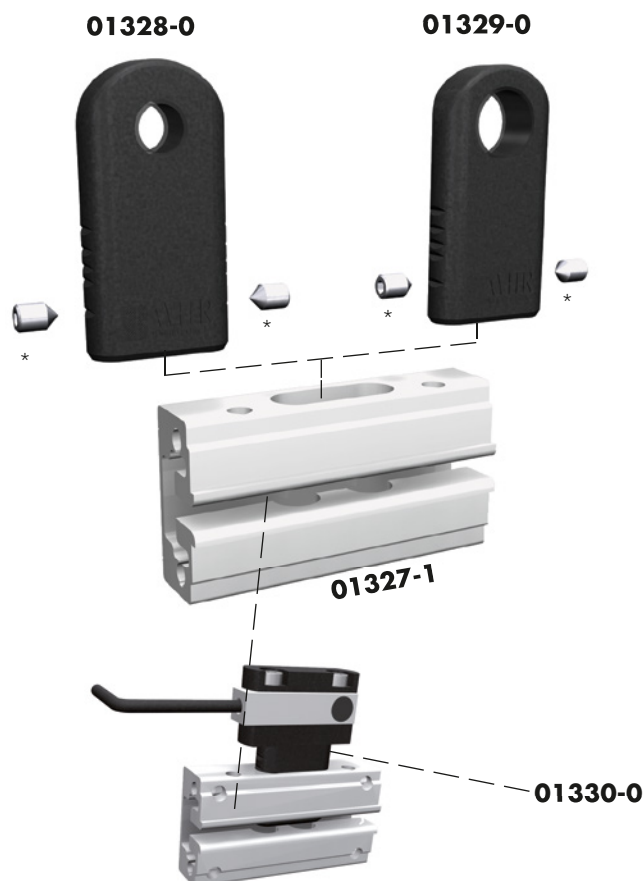
## Switches

### Proximity / limit switch holder DL / DS / QL / QS / LLZ

Proximity / limit switch holder for guide body profile  
DL/DS/QL/QS/LLZ

| Code-Nr.       | Type                                           |
|----------------|------------------------------------------------|
| <b>01327-0</b> | Base holder for a limit switch                 |
| <b>01327-1</b> | Base holder for a proximity and a limit switch |
| <b>01327-4</b> | Base holder for a sensor bracket               |
| <b>01328-0</b> | plug in holder for a proximity switch M8x1     |
| <b>01329-0</b> | plug in holder for a proximity switch M12x1    |
| <b>01330-0</b> | plug in holder for a proximity switch Q 8x8    |
| <b>01335-0</b> | Sensor holder DL/DS 120 / QL/QS 60 H = 46,5mm  |
| <b>01335-1</b> | Sensor holder DL/DS 160 H = 50,5mm             |
| <b>01335-2</b> | Sensor holder QL/QS 80 H = 52,5mm              |
| <b>01335-3</b> | Sensor holder DL/DS 200 H = 48 mm              |
| <b>01335-4</b> | Sensor holder QL/QS 100 H = 57 mm              |

\* stainless steel grub screws



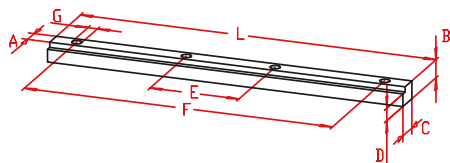
2.2



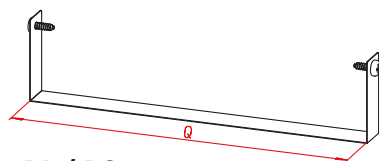
## Accessories

## Switches

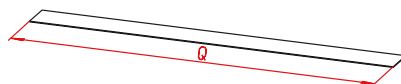
### Activating strip DL / DS



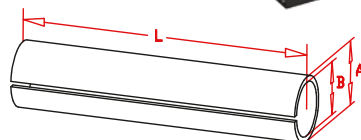
### Activating sheet EL / ML / EG



### Activating sheet QL / QS - DL / DS



### Cable conduit EL / ML / QS



For internal proximity switches.

| Code-No. | Type      | A   | B   | C  | D    | E  | F   | G   | L   |
|----------|-----------|-----|-----|----|------|----|-----|-----|-----|
| 04870    | DL/DS 120 | 2,9 | 8,5 | 7  | 5,9  | 46 | 99  | 3,5 | 120 |
| 04871    | DL/DS 160 | 6   | 6   | 8  | 4,3  | 30 | 104 | 3,5 | 120 |
| 04872    | DL/DS 200 | 7,7 | 8   | 10 | 3,25 | 30 | 104 | 3,5 | 120 |

For external mounting proximity switches.

| Code-No. | Type      | Q               |
|----------|-----------|-----------------|
| 01000    | EL 30     | Carriage length |
| 01005    | EL 40     | Carriage length |
| 01006    | EL/ML 60  | Carriage length |
| 01011    | EL/ML 60S | Carriage length |
| 01007    | EL/ML 80  | Carriage length |
| 01010    | EL/ML 80S | Carriage length |
| 01008    | EL/ML 100 | Carriage length |
| 01009    | EL 125    | Carriage length |
| 010000   | EG 30     | Carriage length |
| 010050   | EG 40     | Carriage length |
| 010060   | EG 60     | Carriage length |
| 010070   | EG 80     | Carriage length |
| 01018    | DL/DS 120 | Carriage length |
| 01017    | DL/DS 160 | Carriage length |
| 01016    | DL/DS 200 | Carriage length |
| 01030    | QL/QS 60  | Carriage length |
| 01031    | QL/QS 80  | Carriage length |
| 01032    | QL/QS 100 | Carriage length |
| 01032    | QS 125    | Carriage length |

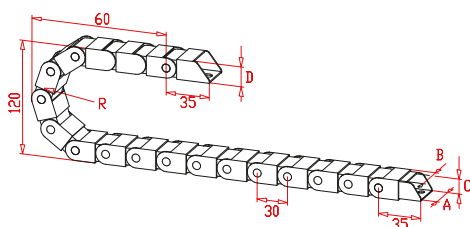
Slotted plastic tube for cabling directly onto body of linear unit. The tube can simply be pressed into the half-round slot in the body and will be securely retained there.

| Code-No. | Type        | A  | B   | L        |
|----------|-------------|----|-----|----------|
| 02806    | EL 40       | 6  | 4   | max. 50m |
| 02810    | EL/ML/Q 60  | 10 | 7,5 | max. 50m |
| 02812    | EL/ML/Q 80  | 12 | 8,5 | max. 50m |
| 02816    | EL/ML/Q 100 | 16 | 12  | max. 50m |
| 02820    | EL/QS 125   | 20 | 15  | max. 50m |

**02816 1000**

Sample ordering code:  
Plastic tube for EL 100, 1000 mm long.

### Cable chain



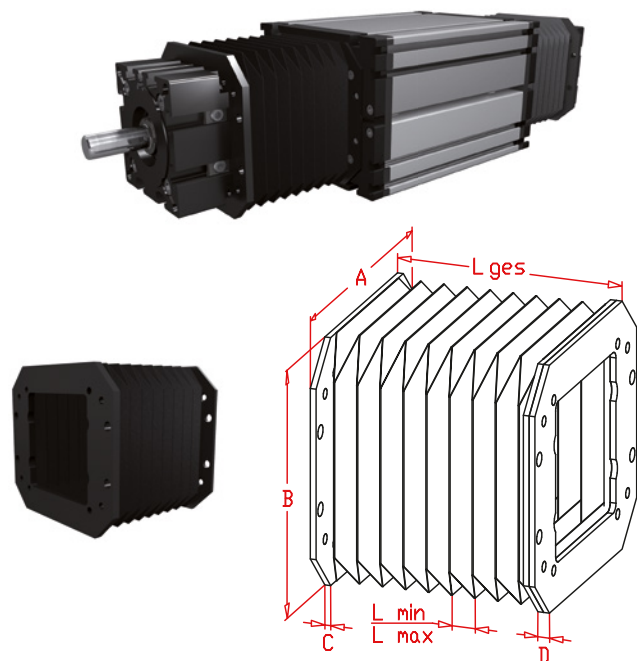
Black plastic, one floating and one fixed mounting bracket. The inner face opens like a zip, enabling cable to be inserted easily.

| Code-No. | Type | Name                       | A    | B  | C  | D  |
|----------|------|----------------------------|------|----|----|----|
| 02115    | 15   | Cable chain                | 25,5 | 15 | 18 | 23 |
| 02125    | 25   | Cable chain                | 35,5 | 25 | 18 | 23 |
| 02138    | 38   | Cable chain                | 48   | 38 | 18 | 23 |
| 02150    | 50   | Cable chain                | 60   | 50 | 18 | 23 |
| 02116    | 15   | fixing brackets (2 pieces) |      |    |    |    |
| 02126    | 25   | fixing brackets (2 pieces) |      |    |    |    |
| 02139    | 38   | fixing brackets (2 pieces) |      |    |    |    |
| 02151    | 50   | fixing brackets (2 pieces) |      |    |    |    |

## Accessories

### Bellows

#### Complete bellows EL / ML / EG



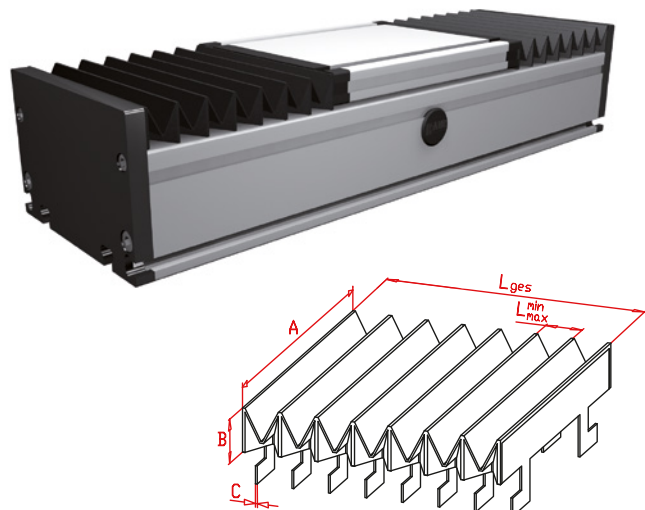
| Code-No. | Type                   | A   | B   | C | D  | Fold             |                  |
|----------|------------------------|-----|-----|---|----|------------------|------------------|
|          |                        |     |     |   |    | L <sub>min</sub> | L <sub>max</sub> |
| 02940    | EL/EG 40 spindle       | 73  | 69  | 5 | 10 | 3                | 15               |
| 02941    | EL/EG 40 belt drive    | 73  | 75  | 5 | 10 | 3                | 15               |
| 02960    | EL/EG 60 spindle       | 99  | 94  | 5 | 10 | 3                | 20               |
| 02961    | EL/ML/EG 60 belt drive | 99  | 101 | 5 | 10 | 3                | 20               |
| 02980    | EL/EG 80 spindle       | 130 | 124 | 5 | 10 | 3                | 25               |
| 02981    | EL/ML/EG 80 belt drive | 130 | 138 | 5 | 10 | 3                | 25               |
| 02910    | EL 100 spindle         | 165 | 155 | 5 | 10 | 3                | 30               |
| 02911    | EL/ML 100 belt drive   | 165 | 170 | 5 | 10 | 3                | 30               |

Bellow frame, zinc-plated plastic bellows with steel connection plates, max. 60° C.

|       |     |
|-------|-----|
| 02980 | 500 |
|-------|-----|

Sample ordering code: Size 80 spindle, unit length L = 500 mm.

#### Complete bellows DL / DS



Bellow ERA7815, max. 120°, bellow frame PVC.

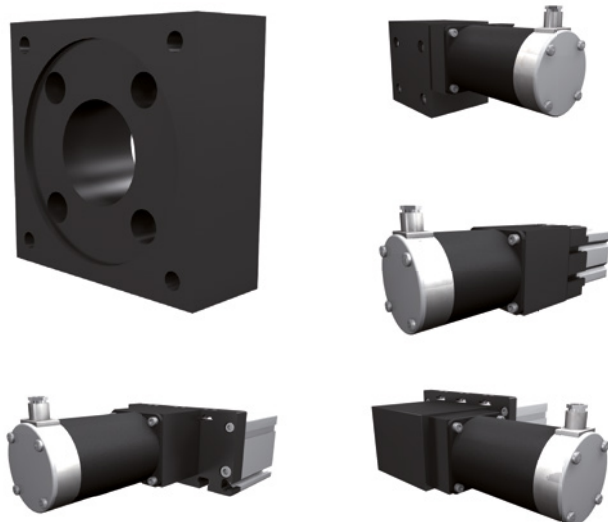
| Code-No. | Type      | A   | B  | C | Fold             |                  |
|----------|-----------|-----|----|---|------------------|------------------|
|          |           |     |    |   | L <sub>min</sub> | L <sub>max</sub> |
| 02901    | DL/DS 120 | 120 | 19 | 1 | 4                | 22               |
| 02902    | DL/DS 160 | 160 | 24 | 1 | 4                | 31               |
| 02903    | DL/DS 200 | 200 | 28 | 1 | 4                | 28               |

|       |     |
|-------|-----|
| 02902 | 500 |
|-------|-----|

Sample ordering code: Size 160, unit length L = 500 mm.



#### Motor adapter



Black anodized aluminium, can be designed for any motor. Simple assembly, accurate alignment.

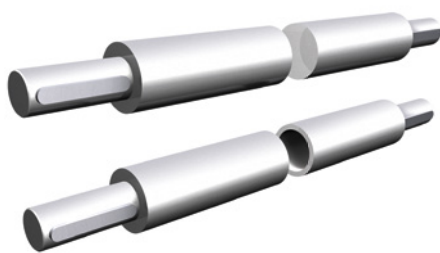
| Code-No. | Type                                         |
|----------|----------------------------------------------|
| 01531    | EL/EG 30 spindle                             |
| 01541    | EL/EG 40 spindle                             |
| 01561    | EL/ML/EG 60 / DL/DS 120 / QS 60 spindle      |
| 01581    | EL/ML/EG 80 / DL/DS 160 / QS 80 spindle      |
| 01511    | EL/ML 100 / DL/DS 200 / QS 100 spindle       |
| 01521    | EL 125 spindle                               |
| 01831    | EL 30 belt-drive                             |
| 01841    | EL 40 belt-drive                             |
| 01861    | EL/ML 60 / DL/DS 120 / QL/QS 60 belt-drive   |
| 01881    | EL/ML 80 / DL/DS 160 / QL/QS 80 belt-drive   |
| 01811    | EL/ML 100 / DL/DS 200 / QL/QS 100 belt-drive |
| 01821    | EL125 / QS 125 belt-drive                    |

## Accessories

### Splined shaft

#### Splined shaft EL / ML / EG - DL / DS

Steel splined shaft, for torque transfer between two parallel drives.  
Shafts longer than 1200 mm are hollow shafts with welded journals.

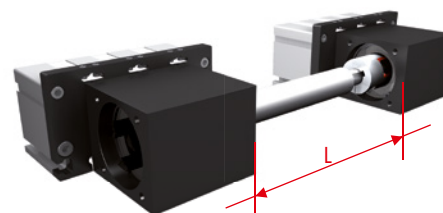
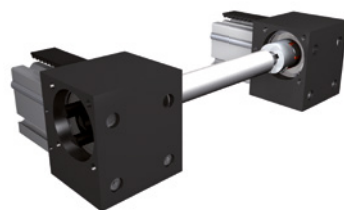
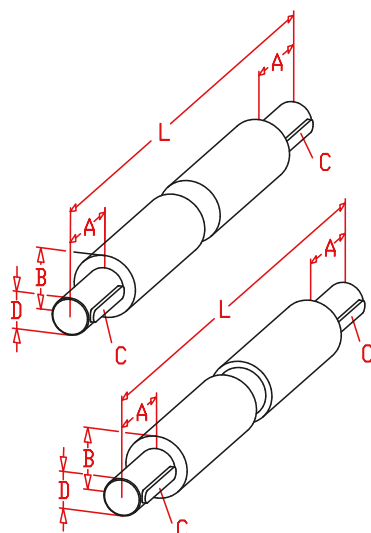


| Code-No. | Type                                 | A  | B  | C      | D                | L <sub>max</sub> |
|----------|--------------------------------------|----|----|--------|------------------|------------------|
| 02230    | EL/EG 30                             | 15 | 12 | 2x2x12 | 6 <sub>h7</sub>  | 1.500            |
| 02240    | EL/EG 40                             | 27 | 20 | 3x3x25 | 10 <sub>h7</sub> | 3.000            |
| 02260    | EL/ML/EG 60<br>QL/QS 60<br>DL 120    | 35 | 24 | 5x5x28 | 14 <sub>h7</sub> | 3.000            |
| 02280    | EL/ML/EG 80<br>QL/QS 80<br>DL/DS 160 | 45 | 30 | 6x6x40 | 18 <sub>h7</sub> | 3.000            |
| 02210    | EL/ML 100<br>QL/QS 100<br>DL/DS 200  | 55 | 40 | 6x6x50 | 22 <sub>h7</sub> | 4.500            |
| 02220    | EL/QS 125                            | 55 | 50 | 8x7x50 | 30 <sub>h7</sub> | 5.000            |

02240

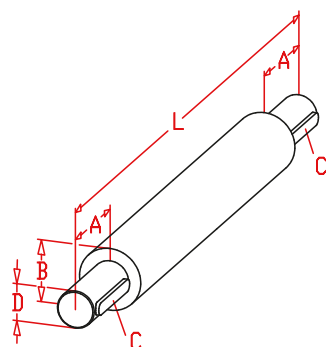
0500

Sample order code:  
Size 40, length L = 500 mm



#### Splined shafts based on an aluminium tube

Aluminum splined shaft parallel to the torque transmission with adjustment units arranged. The splined shaft consists of an aluminum hollow shaft with bonded journals of stainless steel.

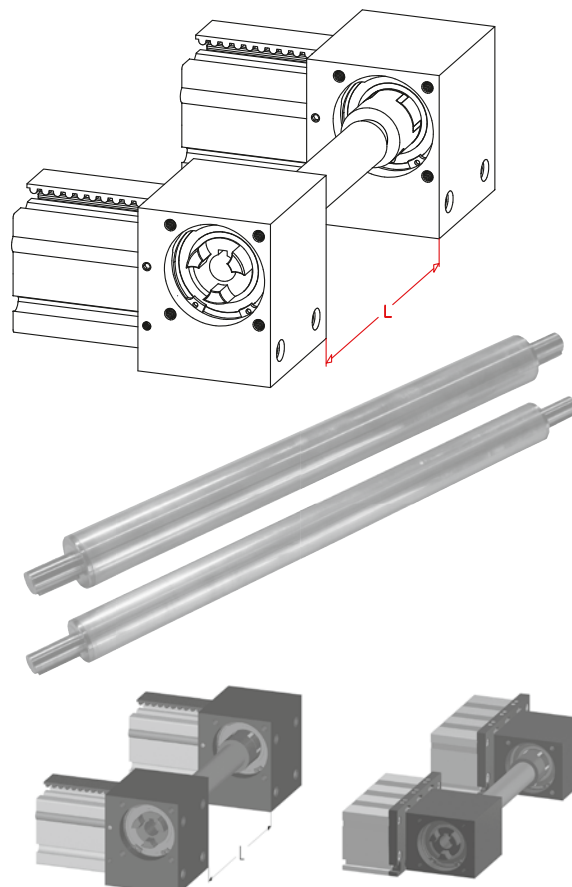


| Code-No. | Type                                 | A  | B  | C      | D                | L <sub>max</sub> |
|----------|--------------------------------------|----|----|--------|------------------|------------------|
| 02264    | EL/ML/EG 60<br>QL/QS 60<br>DL 120    | 35 | 27 | 5x5x28 | 14 <sub>h7</sub> | 3000             |
| 02284    | EL/ML/EG 80<br>QL/QS 80<br>DL/DS 160 | 45 | 40 | 6x6x40 | 18 <sub>h7</sub> | 3000             |
| 02214    | EL/ML 100<br>QL/QS 100<br>DL/DS 200  | 55 | 50 | 6x6x40 | 22 <sub>h7</sub> | 4500             |
| 02224    | EL/QS 125                            | 55 | 60 | 8x7x50 | 30 <sub>h7</sub> | 5000             |

Sample ordering code:

| Code-No. | L    |
|----------|------|
| 02214    | 2000 |

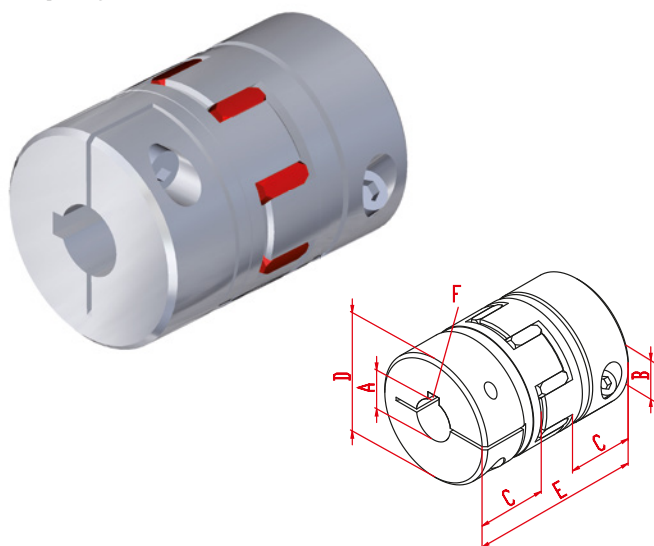
Spindle shaft for EL/QL/QS 100 and DL/DS 200 with keyway, length 2000 mm



# Accessories

## Coupling

### Coupling



Torsionally elastic coupling with keyway and clamp. Light pre-load provides backlash-free torque transmission.

| Code-No. | Type | ØA/B<br>(min/max ) | C  | D  | E   | F      | Torque |
|----------|------|--------------------|----|----|-----|--------|--------|
| 01400-   | 7    | 3 / 7              | 7  | 14 | 22  | DINkey | 2 Nm   |
| 01401-   | 9    | 5 / 12             | 10 | 20 | 30  |        | 6 Nm   |
| 01410-   | 14   | 5 / 16             | 11 | 30 | 35  |        | 12 Nm  |
| 01420-   | 19   | 6 / 22             | 25 | 40 | 66  |        | 17 Nm  |
| 01430-   | 24   | 10 / 28            | 30 | 55 | 78  |        | 60 Nm  |
| 01440-   | 28   | 18 / 38            | 35 | 65 | 90  |        | 160 Nm |
| 01450-   | 38   | 30 / 45            | 45 | 80 | 114 |        | 325 Nm |

2.2

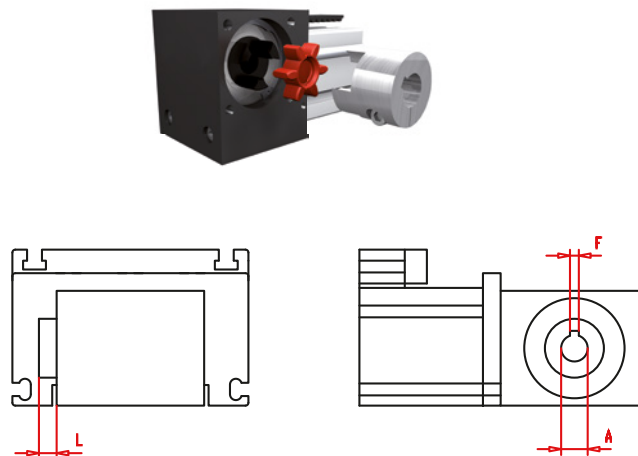


01401- 08 10

Sample ordering code:

Coupling type 9, ØA = 8 mm, ØB = 10 mm

### Coupling for toothed belt units



Torsionally elastic coupling with keyway and clamp. Light pre-load provides backlash-free torque transmission.

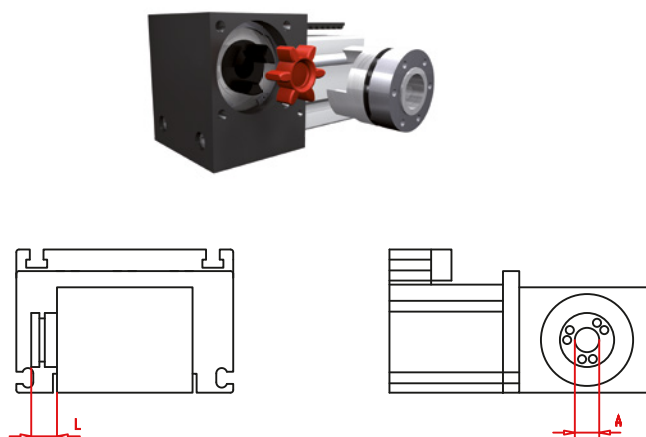
| Code-No. | Type | Ø A<br>(min/max) | L  | Size                              | F      | Torque |
|----------|------|------------------|----|-----------------------------------|--------|--------|
| 03400-   | 7    | 3 / 7            | 7  | EL 30                             | DINkey | 2 Nm   |
| 03401-   | 9    | 5 / 12           | 10 | EL 40                             |        | 6 Nm   |
| 03410-   | 14   | 5 / 16           | 11 | EL/ML 60<br>DL 120<br>QL/QS 60    |        | 12 Nm  |
| 03420-   | 19   | 6 / 22           | 25 | EL/ML 80<br>DL/DS 160<br>QL/QS 80 |        | 17 Nm  |
| 03430-   | 24   | 10 / 28          | 30 | EL/ML 100<br>QL/QS 100<br>DL 200  |        | 60 Nm  |
| 03440-   | 28   | 18 / 38          | 35 | EL/QS 125                         |        | 160 Nm |

03410- 12

Sample ordering code:

Coupling type 14, ØA = 12 mm

### Coupling with tension ring



Coupling, to be clamped by tension ring.

| Code-No. | Type | Ø A               | L  | Size                              | Torque |
|----------|------|-------------------|----|-----------------------------------|--------|
| 03501-   | 14   | 5, 10, 14         | 19 | EL/ML 60<br>DL 120<br>QL/QS60     | 12 Nm  |
| 03510-   | 19   | 10, 14,<br>16, 19 | 25 | EL/ML 80<br>DL/DS 160<br>QL/QS 80 | 17 Nm  |
| 03520-   | 24   | 19, 20,<br>22, 24 | 30 | EL/ML 100<br>QL/QS 100<br>DL 200  | 60 Nm  |
| 03530-   | 28   | 38                | 35 | EL/QS 125                         | 160 Nm |

03510- 16

Sample ordering code:

Coupling type 19, ØA = 16 mm

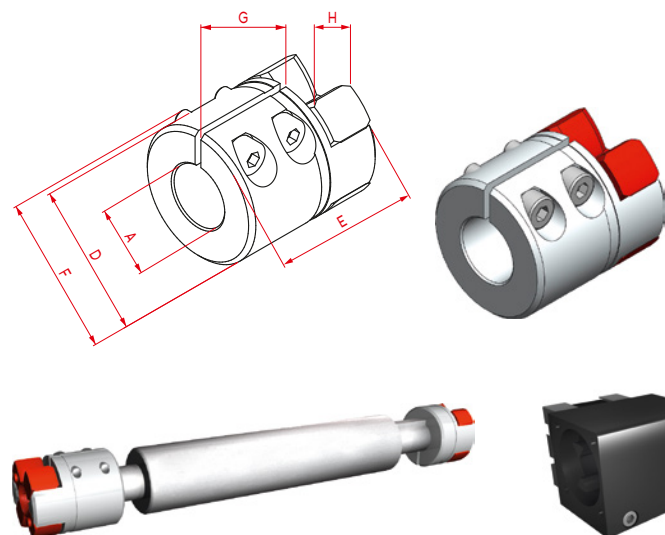
## Accessories

### Coupling / Angular gear box

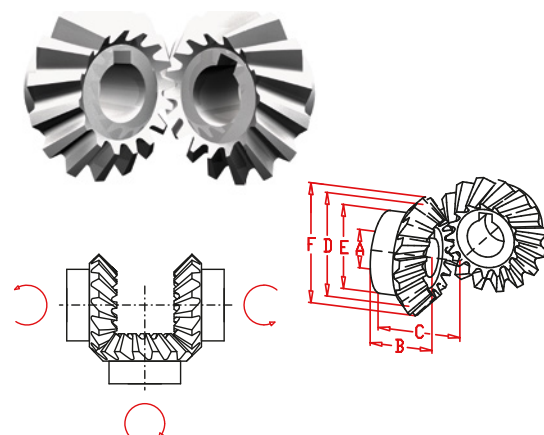
#### Synchronous coupling LLZ / LLZE

Coupling for LLZ and LLZE for synchronizing of two parallel units.  
Light pre-load provides backlash-free torque transmission.

| Code-No. | Type | ØA | D  | E  | F    | G    | H    | Torque |
|----------|------|----|----|----|------|------|------|--------|
| 03411    | 14   | 14 | 30 | 35 | 33,6 | 23,5 | 11,5 | 38 Nm  |



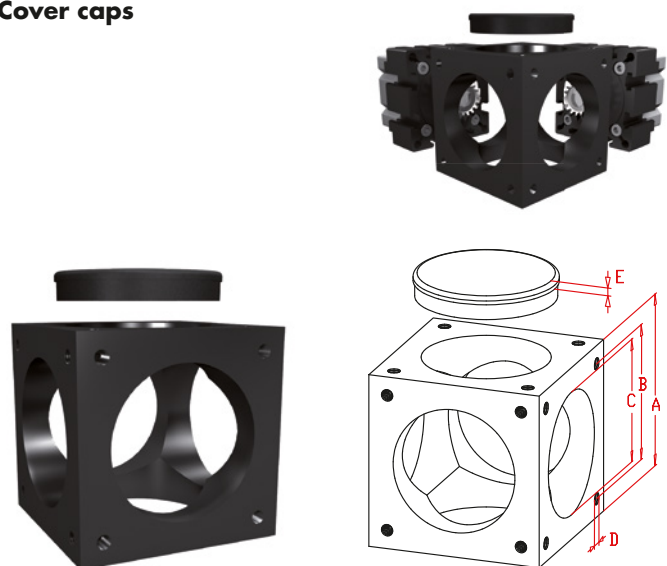
#### Bevel gear pair EL / EG



C 45 steel, helical gear, with keyway.

| Code-No. | Type | i     | Modul | Number of teeth | A <sub>17</sub> | B    | C  | D  | E  | F    | max. rpm (min <sup>-1</sup> ) |
|----------|------|-------|-------|-----------------|-----------------|------|----|----|----|------|-------------------------------|
| 00641    | 40   | 1:1   | 2     | 16              | 10              | 13   | 28 | -  | 22 | 35   | 560                           |
| 00642    | 40   | 1:1,5 | 1,5   | 16              | 10              | 17   | 30 | 24 | 20 | 27   | 560                           |
|          |      |       |       | 24              |                 | 17,5 | 27 | 36 | 26 | 38   | 840                           |
| 00661    | 60   | 1:1   | 2,5   | 16              | 14              | 18,5 | 33 | -  | 30 | 43   | 750                           |
| 00662    | 60   | 1:1,5 | 2     | 16              | 14              | 21   | 38 | 32 | 26 | 36   | 560                           |
|          |      |       |       | 24              |                 | 23   | 35 | 48 | 35 | 51   | 840                           |
| 00681    | 80   | 1:1   | 3     | 16              | 18              | 23   | 40 | -  | 35 | 51,5 | 750                           |
| 00682    | 80   | 1:1,5 | 3     | 16              | 18              | 28   | 54 | 48 | 40 | 53   | 560                           |
|          |      |       |       | 24              | 19              | 30   | 49 | 72 | 50 | 76   | 840                           |
| 00611    | 100  | 1:1   | 4     | 16              | 22              | 35,5 | 54 | -  | 45 | 69,7 | 750                           |
| 00612    | 100  | 1:1,5 | 3     | 16              | 22              | 27,7 | 50 | 48 | 34 | 53   | 560                           |
|          |      |       |       | 24              |                 | 31   | 44 | 72 | 38 | 76   | 840                           |

#### Combination cube EL / EG Cover caps



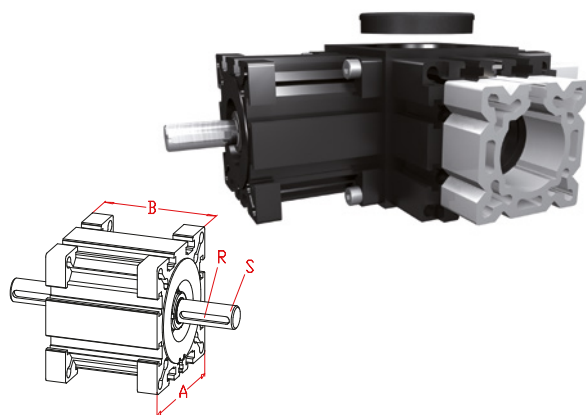
| Combination cube |      |     |                                              |     |     |
|------------------|------|-----|----------------------------------------------|-----|-----|
| Code-No.         | Type | A   | B                                            | C   | D   |
| 00830            | 30   | 52  | 35                                           | 40  | M 4 |
| 00840            | 40   | 66  | 47                                           | 48  | M 6 |
| 00860            | 60   | 92  | 69                                           | 62  | M 8 |
| 00880            | 80   | 112 | 88                                           | 80  | M 8 |
| 00810            | 100  | 148 | 112                                          | 110 | M10 |
| Cover caps       |      |     |                                              |     |     |
| Code-No.         | Type | E   | Black plastic.<br>To cover empty cube sides. |     |     |
| 01830            | 30   | 2   |                                              |     |     |
| 01840            | 40   | 5   |                                              |     |     |
| 01860            | 60   | 6   |                                              |     |     |
| 01880            | 80   | 6   |                                              |     |     |
| 01810            | 100  | 3   |                                              |     |     |

Black anodized aluminium.  
Used for connecting  
modules at right angles or  
in line.

## Accessories

### Angular gear box / Toothed pulley HTD

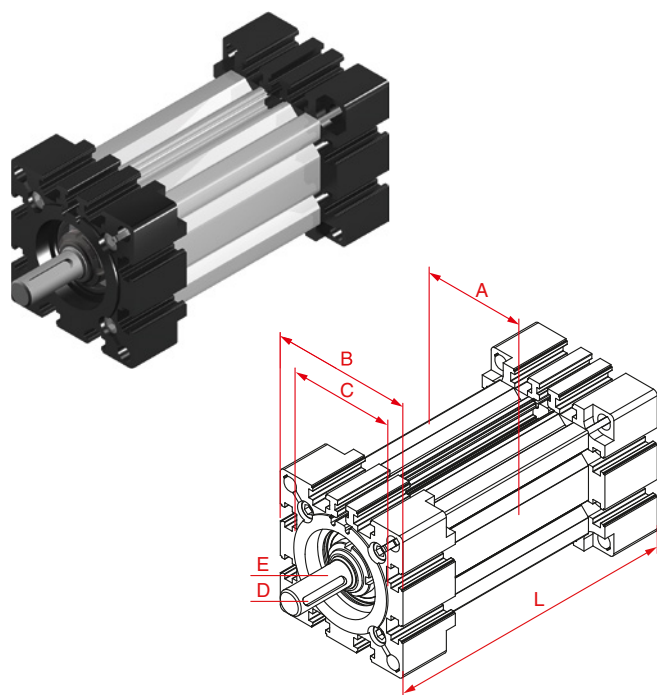
#### Angular gear box EL / EG



Complete self-centering gear. Can easily be retrofitted to any EG or EL unit. Packed with grease for lubrication.

| Code No. | Type | i     | m   | A   | B   | R   | S<br>Ø x l | Torque | max.<br>rpm(min <sup>-1</sup> ) |
|----------|------|-------|-----|-----|-----|-----|------------|--------|---------------------------------|
| 00731    | 30   | 1:1   | 1   | 42  | 37  | 2x2 | 5x15       | 2 Nm   | 250                             |
| 00741    | 40   | 1:1   | 2   | 58  | 50  | 3x3 | 10x27      | 5 Nm   | 560                             |
| 00742    | 40   | 1:1,5 | 1,5 | 58  | 50  | 3x3 | 10x27      | 5 Nm   | 560<br>840                      |
| 00761    | 60   | 1:1   | 2,5 | 82  | 70  | 5x5 | 14x35      | 15 Nm  | 750                             |
| 00762    | 60   | 1:1,5 | 2   | 82  | 70  | 5x5 | 14x35      | 15 Nm  | 560<br>840                      |
| 00781    | 80   | 1:1   | 3   | 102 | 90  | 6x6 | 18x45      | 25 Nm  | 750                             |
| 00782    | 80   | 1:1,5 | 3   | 102 | 90  | 6x6 | 18x45      | 25 Nm  | 560<br>840                      |
| 00711    | 100  | 1:1   | 4   | 130 | 110 | 6x6 | 22x45      | 30 Nm  | 750                             |
| 00712    | 100  | 1:1,5 | 3   | 130 | 110 | 6x6 | 22x45      | 30 Nm  | 560<br>840                      |

#### Transmission unit EL / EG



A shaft carried on ball bearings in an aluminium hollow section can be used to transmit torque or as a joining element for combining parallel linear units or as an individual element in angular operation.

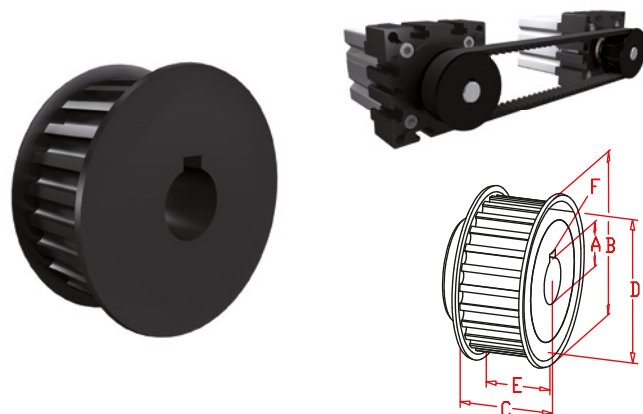
| Code-No. | Type            | A   | B   | C        | D     | E       | L <sub>min</sub> | L <sub>max</sub> |
|----------|-----------------|-----|-----|----------|-------|---------|------------------|------------------|
| 01931    | 30              | 30  | 42  | 40 x 0,7 | 2 x 2 | 5 x 15  | 38               | 3.000            |
| 01932    | 30<br>no shaft  | 30  | 42  | 40 x 0,7 | -     | -       | 38               | 3.000            |
| 01941    | 40              | 40  | 58  | 48 x 1   | 3 x 3 | 10 x 27 | 50               | 6.000            |
| 01942    | 40<br>no shaft  | 40  | 58  | 48 x 1   | -     | -       | 50               | 6.000            |
| 01961    | 60              | 60  | 82  | 62 x 1   | 5 x 5 | 14 x 35 | 100              | 6.000            |
| 01962    | 60<br>no shaft  | 60  | 82  | 62 x 1   | -     | -       | 100              | 6.000            |
| 01981    | 80              | 80  | 102 | 80 x 1   | 6 x 6 | 18 x 45 | 90               | 6.000            |
| 01982    | 80<br>no shaft  | 80  | 102 | 80 x 1   | -     | -       | 90               | 6.000            |
| 01911    | 100             | 100 | 130 | 110 x 1  | 6 x 6 | 22 x 45 | 110              | 6.000            |
| 01912    | 100<br>no shaft | 100 | 130 | 110 x 1  | -     | -       | 110              | 6.000            |

01941 0750

Sample order code: Size 40, length L = 750 mm

#### Toothed pulley HTD

Material St 50, secured with key.



| Code-No. | Type                 | A  | B  | C  | D    | E  | F   | Number of teeth | Spacing |
|----------|----------------------|----|----|----|------|----|-----|-----------------|---------|
| 00450    | EL/EG 30             | 6  | 23 | 26 | 18,3 | 15 | 2x2 | 20              | 3x15    |
| 00451    | EL/EG 40             | 10 | 36 | 26 | 30,7 | 15 | 3x3 | 20              | 5x15    |
| 00452    | EL/EG 60<br>DL/DS120 | 14 | 44 | 38 | 40,2 | 25 | 5x5 | 26              | 5x25    |
| 00453    | EL/EG 80<br>DL/DS160 | 18 | 54 | 38 | 49,8 | 25 | 6x6 | 32              | 5x25    |
| 00454    | EL100                | 22 | 66 | 48 | 61,1 | 38 | 6x6 | 24              | 8x30    |

## Accessories

### Belt Incremental encoder

#### Toothed belt endless HTD



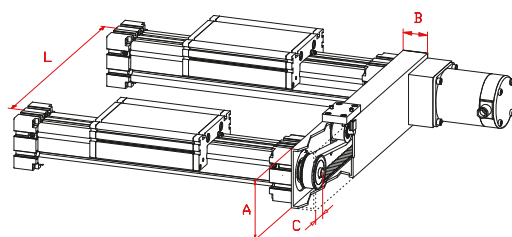
| Code-No. | Type     | Belt | Tensile force |
|----------|----------|------|---------------|
| 00550    | EL/EG 30 | 3M15 | 200 N         |
| 00551    | EL/EG 40 | 5M15 | 390 N         |
| 00556    | EL/EG 40 | 5M09 | 298 N         |
| 00552    | EL/EG60  | 5M25 | 894 N         |
| 00553    | EL/EG80  | 5M25 | 894 N         |
| 00554    | EL100    | 8M30 | 1070 N        |
| 00555    | EL100    | 8M20 | 980 N         |

|       |      |
|-------|------|
| 00551 | 0700 |
|-------|------|

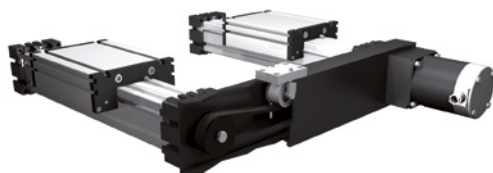
Sample order code:  
Belt 5M15 perimeter: 700 mm

#### Parallel transfer unit for spindle drives

DL / DS



EL / EG / Q



Black anodized aluminium tube with plastic end caps, pulleys fixed with keys or tension rings. Spindle centers are multiples of 5 or 8 mm, according to belt pitch.

| Code-No. | Type        | A   | B  | C  | L <sub>max</sub> | Belt  |
|----------|-------------|-----|----|----|------------------|-------|
| T13030   | EL/EG 30    | 50  | 25 | 25 | 1.200            | 5M 9  |
| T13040   | EL/EG 40    | 80  | 40 | 30 | 1.500            | 5M 15 |
| T13060   | EL/EG/Q 60  | 100 | 50 | 42 | 2.000            | 5M 25 |
| T13061   | DL/DS 120 * | 60  | 50 |    | 2.000            | 5M 25 |
| T13080   | EL/EG/Q 80  | 120 | 50 | 52 | 2.000            | 5M 25 |
| T13081   | DL/DS 160 * | 80  | 50 |    | 2.000            | 5M 25 |
| T13010   | EL/Q 100    | 160 | 80 | 66 | 3.000            | 8M 30 |

\* Parallel transfers are special designed parts. Dimensions given in the documentation are samples.

|        |     |
|--------|-----|
| T13060 | 500 |
|--------|-----|

Sample ordering code: Center-distance of axis L = 500 mm

For center-distances higher than 800mm

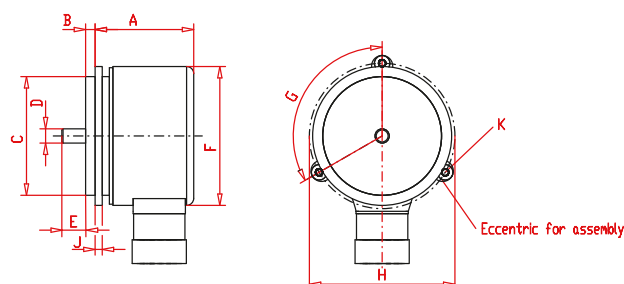
you have to use an additional tensioning device code-number 04099.

#### Incremental encoder



Incremental encoders with plug.

500 increments per revolution - other resolutions on request.



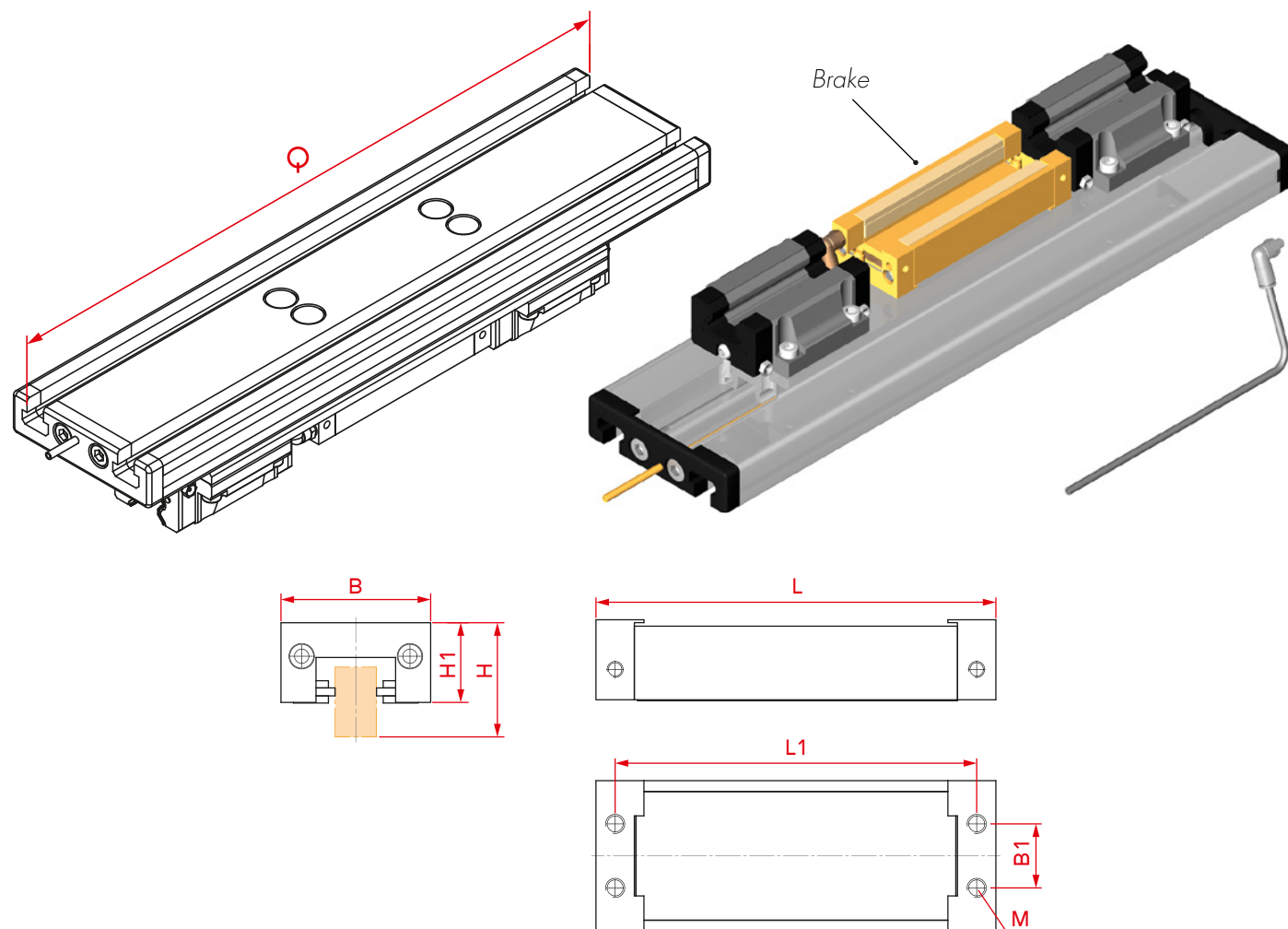
| Code-No. | A    | B | C                | D               | E  | F    | G    | H  | J | K for |
|----------|------|---|------------------|-----------------|----|------|------|----|---|-------|
| E 05500  | 57,5 | 4 | 50 <sub>h7</sub> | 6 <sub>h9</sub> | 10 | 58,5 | 120° | 65 | 3 | M3    |

## Accessories

## Brakes

### Guide carriage with brake / QS 80, QS 100, QS 125

Dimensions (mm)



| Code-No.  | Type   | Q   | Rail size | B  | B1 | Low runner block |      | Tall runner block |      | Mounting holes |       |    | Holding force at 6 bar | Holding force at 4 bar | Mass brake |
|-----------|--------|-----|-----------|----|----|------------------|------|-------------------|------|----------------|-------|----|------------------------|------------------------|------------|
|           |        |     |           |    |    | H                | H1   | H                 | H1   | L              | L1    | M  |                        |                        |            |
| 04573-80  | QS 80  | 356 | 20        | 43 | 15 | 30               | 19,5 | -                 | -    | 105,5          | 93,2  | M5 | 900 [N]                | 540 [N]                | 0,32 kg    |
| 04573-100 | QS 100 | 410 | 25        | 47 | 20 | 36               | 25,0 | 40                | 29,0 | 125,5          | 113,5 | M6 | 1200 [N]               | 780 [N]                | 0,50 kg    |
| 04573-125 | QS 125 | 440 | 30        | 59 | 24 | 42               | 29,5 | 45                | 32,5 | 141,5          | 121,5 | M8 | 1800 [N]               | 1100 [N]               | 0,90 kg    |

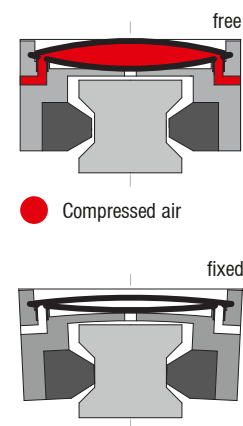
If required, several brake units are used to achieve greater braking power. In that case the carriage will be correspondingly longer, i. e. by the length of the unit.

#### Function:

Complete guide carriage with two runner blocks, wiper end plates and brake.

**LinClamp S/SK loosened:** The chamber between the two spring steel membranes is pressurized. This leads to an elastic deformation of the spring steel sheets which are shortened in horizontal direction. As a result, the clamping body is deformed so that it becomes narrower at the top together with the spring steel sheets and wider at the bottom in the area of the brake shoes. As a consequence, the brake shoes are lifted from the rail and the chock can move freely.

**LinClamp S/SK clamped:** The chamber between the two spring steel membranes is deaerated. The spring steel sheets have a tendency to spring back into their normal position, thereby widening the upper part of the clamping body. At the same time, this widening at the top results in a narrowing at the bottom. Due to this narrowing, the brake shoes are pressed towards the rail and fix it.



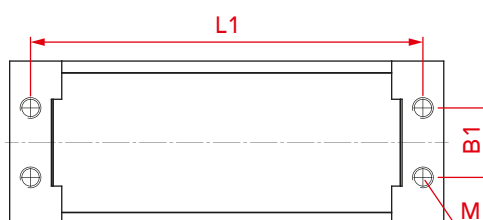
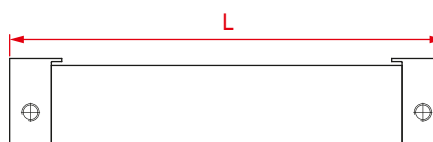
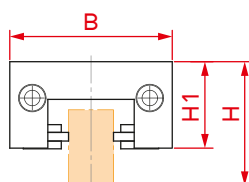
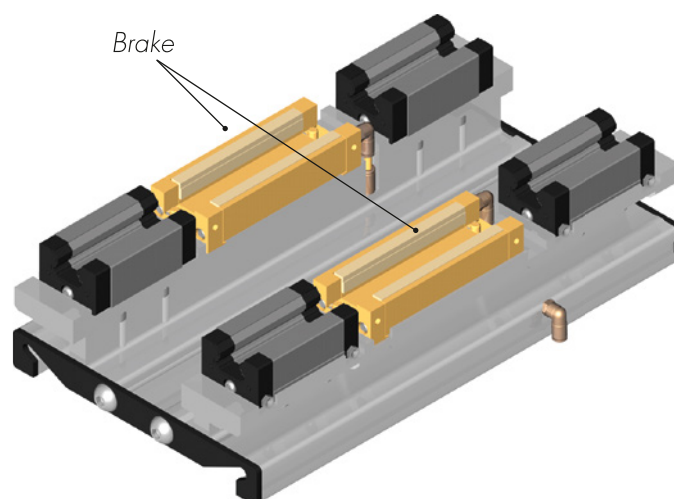
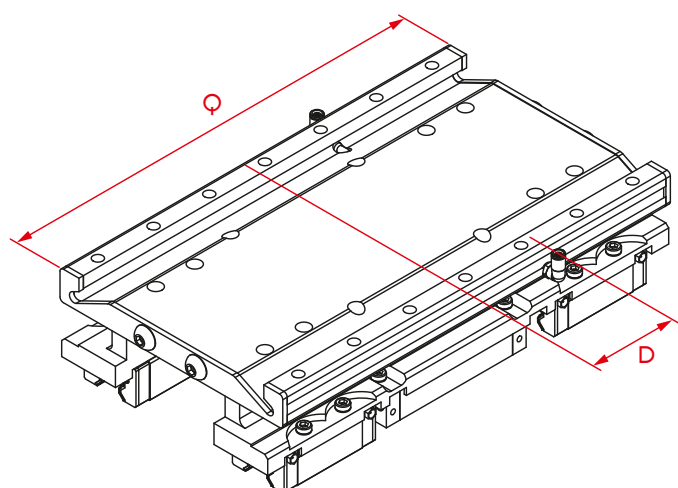
## Accessories

## Brakes

### Guide carriage with brake / DS 200, DSZPVI 200

Dimensions (mm)

2.2



| Code-No.  | Type            | Q   | D  | Rail size | B  | B1 | Low runner block |    | Tall runner block |    | Mounting holes |       |    | Holding force at 6 bar | Holding force at 4 bar | Mass brake |
|-----------|-----------------|-----|----|-----------|----|----|------------------|----|-------------------|----|----------------|-------|----|------------------------|------------------------|------------|
|           |                 |     |    |           |    |    | H                | H1 | H                 | H1 | L              | L1    | M  |                        |                        |            |
| 04573-200 | DS / DSZPVI 200 | 348 | 65 | 25        | 47 | 20 | 36               | 25 | 40                | 29 | 125,5          | 113,5 | M6 | 2400 [N]               | 1560 [N]               | 1,00 kg    |

If required, several brake units are used to achieve greater braking power. In that case the carriage will be correspondingly longer, i. e. by the length of the unit.

#### Function:

Complete guide carriage with 4 runner blocks, wiper end plates and brakes (2 parts).