

## Toggle clamps, power clamps





# Technical information

## Quick clamping - reliable fastening

### Durable and reliable: KIPP lock

Now even more durable, user-friendly and safer - the new generation meets these targets very effectively. Operators will notice the difference in grip and stability of the new KIPP lock immediately. It is quick to use and still retains its reliability and safety. High-quality materials ensure the required resilience.

### KIPPlock

with all the advantages



#### Advantages:

##### Impressively stable:

All models can easily withstand 300,000 clamping cycles

##### Durable:

High-quality bushings - without scoring

##### Extremely robust:

Corrosion-resistant NITROX COATING

##### Simple design

The fixed top nut eases spindle adjustment

##### Reliable:

Uniform force during opening and closing

##### Ideal where space is restricted:

Slim design supports safe operation

##### Optimum stability:

Conical clamping arm with U-profile

##### Safe application:

Nothing catches on the smooth edges

##### Fast and flexible:

Easy retrofitting thanks to a wide range of accessories

##### Ergonomic and slip-resistant:

Easy to operate when wearing work gloves

##### Non-reflecting

Ideal for use with laser devices

##### Safe when opening:

More space between clamping arm and grip prevents pinching

##### Extremely compatible:

Oblong holes allows assembly on existing holes

### Secure fixation and locking: KIPP lock+

The inner locking system is a completely revolutionary development from KIPP. Nothing gets caught or stuck. Operation is easy even when wearing work gloves.

### KIPPlock+

with all the advantages  
with safety interlock



#### Functional principle:

### KIPPlock+

Fig. 1:

Locking mechanism closed. Safe to use thanks to revolutionary grip - no pinch points or interfering contours

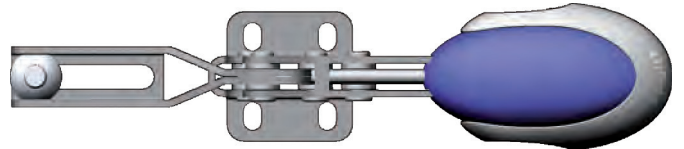


Fig. 2:

Inner rod locking mechanism with automatic safety catch. The lock is released by pulling the grip

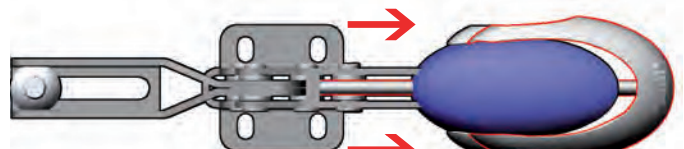
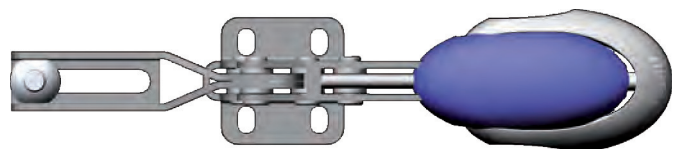


Fig. 3:

Locking mechanism open. Release the grip to close the safety mechanism



# Toggle clamps horizontal

with flat foot and adjustable clamping spindle



## KIPPlack



### Material:

Steel.

Grip polyamide.

### Version:

Nitro-carburized and black oxidized.

### Sample order:

K0660.005001

### Note:

Maintenance-free high quality link bushings. Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm.

### Accessories:

K0106

K0098

K0383

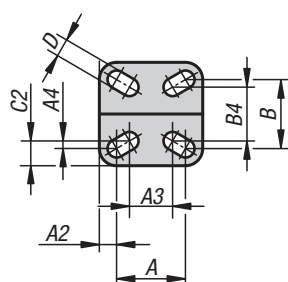
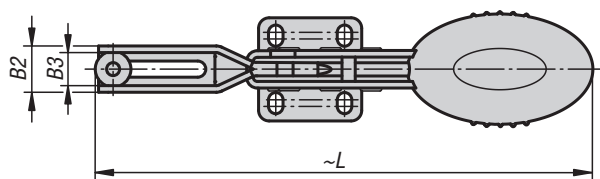
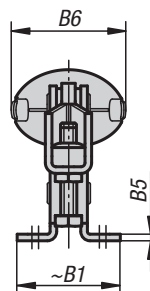
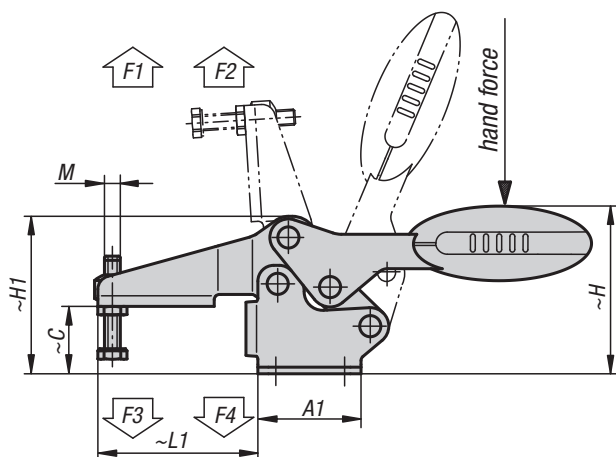
K0388

K0390

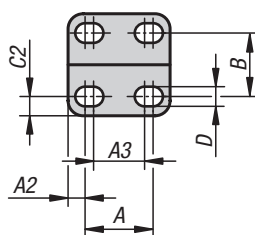
K0391

K0392

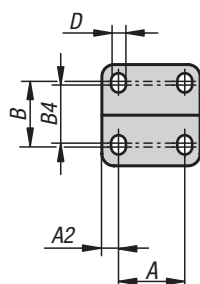
K0393



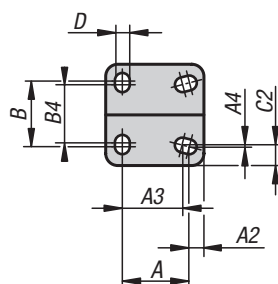
hole arrangement  
1



hole arrangement  
2



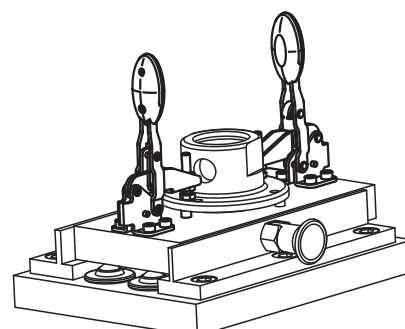
hole arrangement  
3



hole arrangement  
4



Angle bracket for front face  
mounting (see accessories)



# Toggle clamps horizontal

with flat foot and adjustable clamping spindle



## KIPP Toggle clamps horizontal with flat foot and adjustable clamping spindle

| Order No.    | hole arrangement | Opening angle of holding arm ~ | Opening angle of handle ~ | Hand force N | Retaining force F1 N | Retaining force F2 N | Clamping force F3 N | Clamping force F4 N | Order No. Angle bracket |
|--------------|------------------|--------------------------------|---------------------------|--------------|----------------------|----------------------|---------------------|---------------------|-------------------------|
| K0660.004001 | 1                | 87°                            | 69°                       | 80           | 400                  | 500                  | 250                 | 300                 | K0098.02                |
| K0660.005001 | 2                | 86°                            | 67°                       | 100          | 650                  | 900                  | 550                 | 620                 | K0098.02                |
| K0660.006001 | 3                | 86°                            | 67°                       | 160          | 1350                 | 1900                 | 720                 | 1200                | K0098.04                |
| K0660.008001 | 3                | 86°                            | 67°                       | 200          | 2000                 | 2800                 | 830                 | 1400                | K0098.04                |
| K0660.010001 | 3                | 90°                            | 71°                       | 250          | 2200                 | 4500                 | 1200                | 2800                | K0098.06                |
| K0660.012001 | 4                | 88°                            | 68°                       | 280          | 2400                 | 5500                 | 1000                | 2800                | K0098.06                |

| Order No.    | M      | A    | A1 | A2  | A3   | A4   | B    | ~B1 | B2   | B3   | B4   | B5  | B6   | ~C   | C2   | D   | ~H    | ~H1   | ~L    | ~L1   |
|--------------|--------|------|----|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|-------|-------|-------|-------|
| K0660.004001 | M4x16  | 16   | 24 | 4   | 10   | 1,75 | 16   | 24  | 10,2 | 7,1  | 14,1 | 1,5 | 20   | 11,7 | 5,75 | 4,2 | 29,3  | 26,3  | 91,8  | 23,7  |
| K0660.005001 | M5x25  | 18   | 27 | 4,5 | 13,5 | -    | 16,8 | 27  | 13,2 | 9,1  | -    | 2   | 22,5 | 17,2 | 5,1  | 5,5 | 43,4  | 38,9  | 125,7 | 41,8  |
| K0660.006001 | M6x35  | 26   | 39 | 6,5 | -    | -    | 28   | 39  | 17,5 | 12,4 | 24,6 | 2,5 | 43,5 | 25,4 | -    | 5,5 | 63,7  | 59,5  | 186,6 | 60,5  |
| K0660.008001 | M8x45  | 26   | 44 | 9   | -    | -    | 31   | 45  | 21   | 15,7 | 24   | 2,5 | 41,5 | 32,2 | -    | 6,2 | 73,9  | 70    | 223,1 | 74,9  |
| K0660.010001 | M10x55 | 41,5 | 59 | 9   | -    | -    | 43   | 59  | 26   | 18,7 | 39   | 3,5 | 47   | 40   | -    | 8,8 | 94,8  | 87,9  | 279,3 | 103,9 |
| K0660.012001 | M12x70 | 44   | 65 | 10  | 40   | 1    | 42   | 67  | 28   | 20,9 | 40   | 3,5 | 47   | 52,3 | 13,5 | 8,5 | 104,8 | 101,6 | 314,7 | 122   |

# Toggle clamps horizontal with safety interlock

with flat foot and adjustable clamping spindle



## Material:

Steel.  
Grip polyamide.  
Unlocking bracket TPE.

## Version:

Nitro-carburized and black oxidized.

## Sample order:

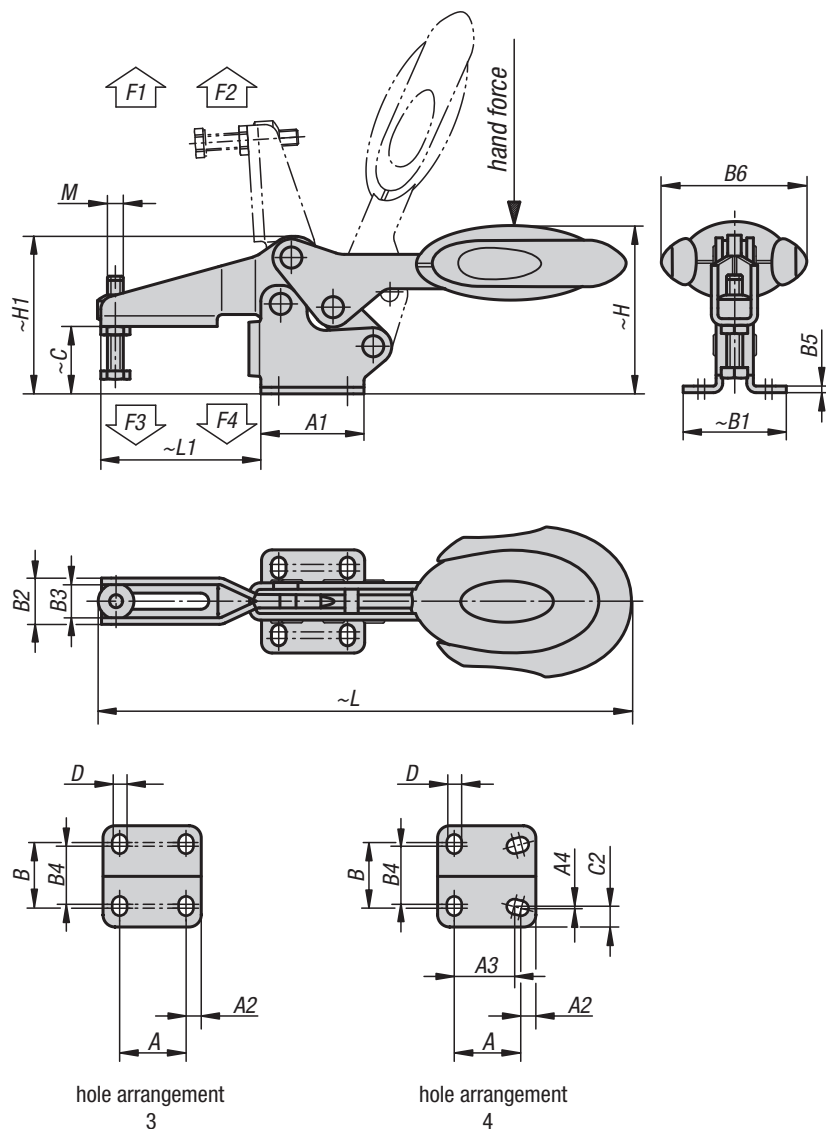
K0660.006101

## Note:

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm. Including internal bar lock with automatic safety catch.

## Accessories:

K0106  
K0098  
K0383  
K0388  
K0390  
K0391  
K0392  
K0393



## KIPP Toggle clamps horizontal with safety interlock, with flat foot and adjustable clamping spindle

| Order No.    | hole arrangement | Opening angle of holding arm<br>~ | Opening angle of handle<br>~ | Hand force<br>N | Retaining force F1<br>N | Retaining force F2<br>N | Clamping force F3<br>N | Clamping force F4<br>N | Order No.<br>Angle bracket |
|--------------|------------------|-----------------------------------|------------------------------|-----------------|-------------------------|-------------------------|------------------------|------------------------|----------------------------|
| K0660.006101 | 3                | 86°                               | 67°                          | 160             | 1350                    | 1900                    | 720                    | 1200                   | K0098.04                   |
| K0660.008101 | 3                | 86°                               | 67°                          | 200             | 2000                    | 2800                    | 830                    | 1400                   | K0098.04                   |
| K0660.010101 | 3                | 90°                               | 71°                          | 250             | 2200                    | 4500                    | 1200                   | 2800                   | K0098.06                   |
| K0660.012101 | 4                | 88°                               | 68°                          | 280             | 2400                    | 5500                    | 1000                   | 2800                   | K0098.06                   |

| Order No.    | M      | A    | A1 | A2  | A3 | A4 | B  | ~B1 | B2   | B3   | B4   | B5  | B6   | ~C   | C2   | D   | ~H    | ~H1   | ~L    | ~L1   |
|--------------|--------|------|----|-----|----|----|----|-----|------|------|------|-----|------|------|------|-----|-------|-------|-------|-------|
| K0660.006101 | M6x35  | 26   | 39 | 6,5 | -  | -  | 28 | 39  | 17,5 | 12,4 | 24,6 | 2,5 | 53,4 | 25,4 | -    | 5,5 | 63,7  | 59,5  | 193,3 | 60,5  |
| K0660.008101 | M8x45  | 26   | 44 | 9   | -  | -  | 31 | 45  | 21   | 15,7 | 24   | 2,5 | 51,1 | 32,2 | -    | 6,2 | 73,9  | 70    | 230,3 | 74,9  |
| K0660.010101 | M10x55 | 41,5 | 59 | 9   | -  | -  | 43 | 59  | 26   | 18,7 | 39   | 3,5 | 56,5 | 40   | -    | 8,8 | 94,8  | 87,9  | 286   | 103,9 |
| K0660.012101 | M12x70 | 44   | 65 | 10  | 40 | 1  | 42 | 67  | 28   | 20,9 | 40   | 3,5 | 56,5 | 52,3 | 13,5 | 8,5 | 104,8 | 101,6 | 321,3 | 122   |

# Toggle clamps horizontal

with flat foot and adjustable clamping spindle, stainless steel



## KIPPlack



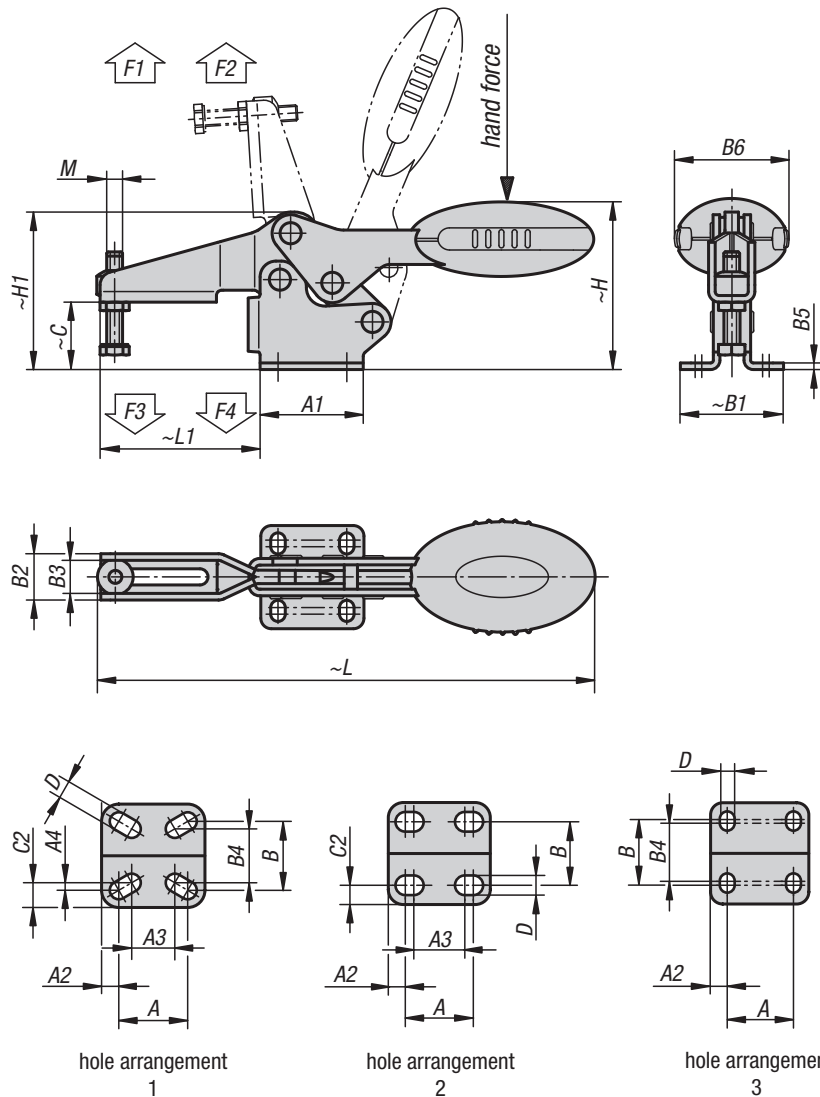
**Material:**  
Stainless steel.  
Grip polyamide.

**Version:**  
Bright.

**Sample order:**  
K0660.105001

**Note:**  
Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm.

**Accessories:**  
K0106  
K0384  
K0390  
K0392  
K0667



## KIPP Toggle clamps horizontal with flat foot, stainless steel

| Order No.    | hole arrangement | Opening angle of holding arm<br>~ | Opening angle of handle<br>~ | Hand force N | Retaining force F1 N | Retaining force F2 N | Clamping force F3 N | Clamping force F4 N |
|--------------|------------------|-----------------------------------|------------------------------|--------------|----------------------|----------------------|---------------------|---------------------|
| K0660.104001 | 1                | 87°                               | 69°                          | 80           | 400                  | 500                  | 250                 | 300                 |
| K0660.105001 | 2                | 86°                               | 67°                          | 100          | 650                  | 900                  | 550                 | 620                 |
| K0660.106001 | 3                | 86°                               | 67°                          | 160          | 1.350                | 1.900                | 720                 | 1.200               |
| K0660.108001 | 3                | 86°                               | 67°                          | 200          | 2.000                | 2.800                | 830                 | 1.400               |

| Order No.    | M     | A  | A1 | A2  | A3   | A4   | B    | ~B1 | B2   | B3   | B4   | B5  | B6   | ~C   | C2   | D   | ~H   | ~H1  | ~L    | ~L1  |
|--------------|-------|----|----|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|-------|------|
| K0660.104001 | M4x16 | 16 | 24 | 4   | 10   | 1,75 | 16   | 24  | 10,2 | 7,1  | 14,1 | 1,5 | 20   | 11,7 | 5,75 | 4,2 | 29,3 | 26,3 | 91,8  | 23,7 |
| K0660.105001 | M5x25 | 18 | 27 | 4,5 | 13,5 | -    | 16,8 | 27  | 13,2 | 9,1  | -    | 2   | 22,5 | 17,2 | 5,1  | 5,5 | 43,4 | 38,9 | 125,7 | 41,8 |
| K0660.106001 | M6x35 | 26 | 39 | 6,5 | -    | -    | 28   | 39  | 17,5 | 12,4 | 24,6 | 2,5 | 43,5 | 25,4 | -    | 5,5 | 63,7 | 59,5 | 186,6 | 60,5 |
| K0660.108001 | M8x45 | 26 | 44 | 9   | -    | -    | 31   | 45  | 21   | 15,7 | 24   | 2,5 | 41,5 | 32,2 | -    | 6,2 | 73,9 | 70   | 223,1 | 74,9 |

# Toggle clamps horizontal with safety interlock

with flat foot and adjustable clamping spindle, stainless steel



## Material:

Stainless steel.  
Grip polyamide.  
Unlocking bracket TPE.

## Version:

Bright.

## Sample order:

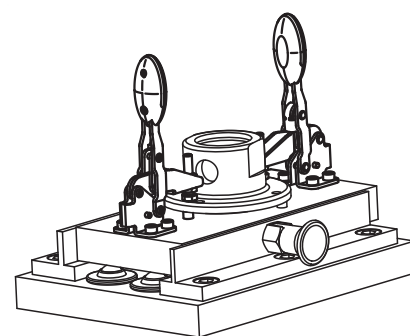
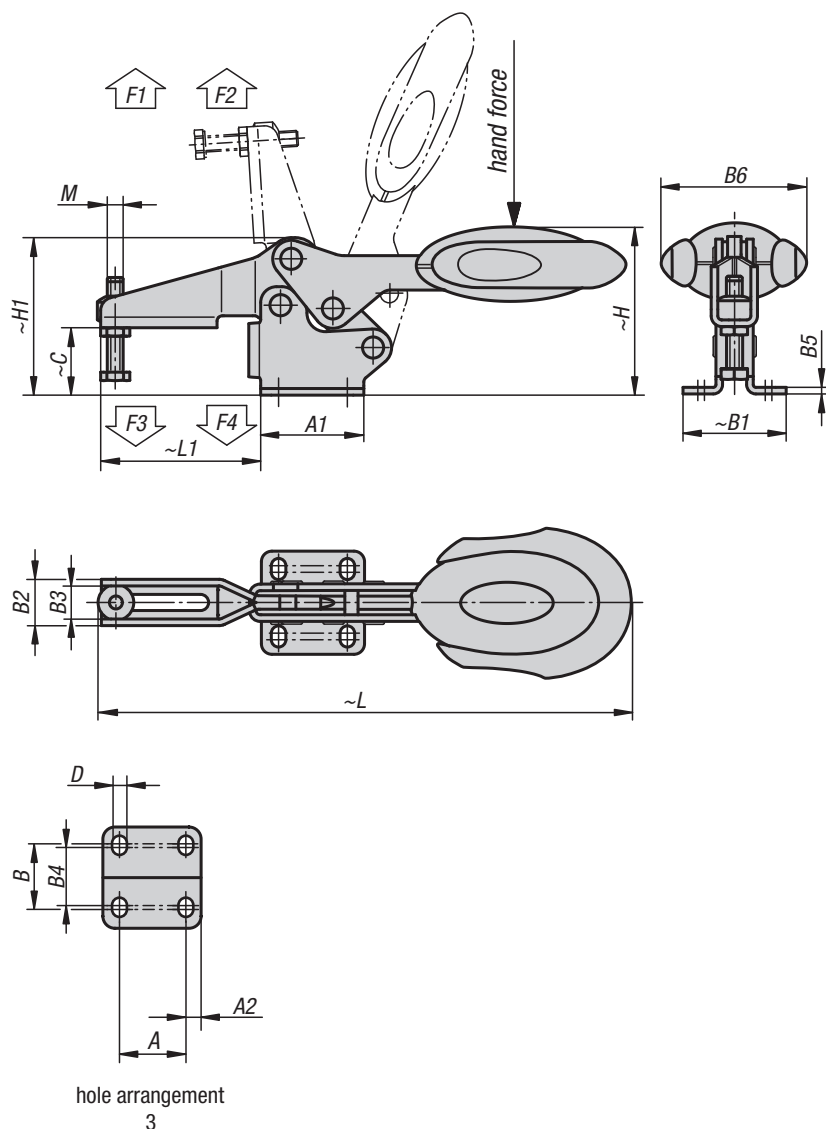
K0660.106101

## Note:

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm. Including internal bar lock with automatic safety catch.

## Accessories:

K0106  
K0384  
K0390  
K0392  
K0667

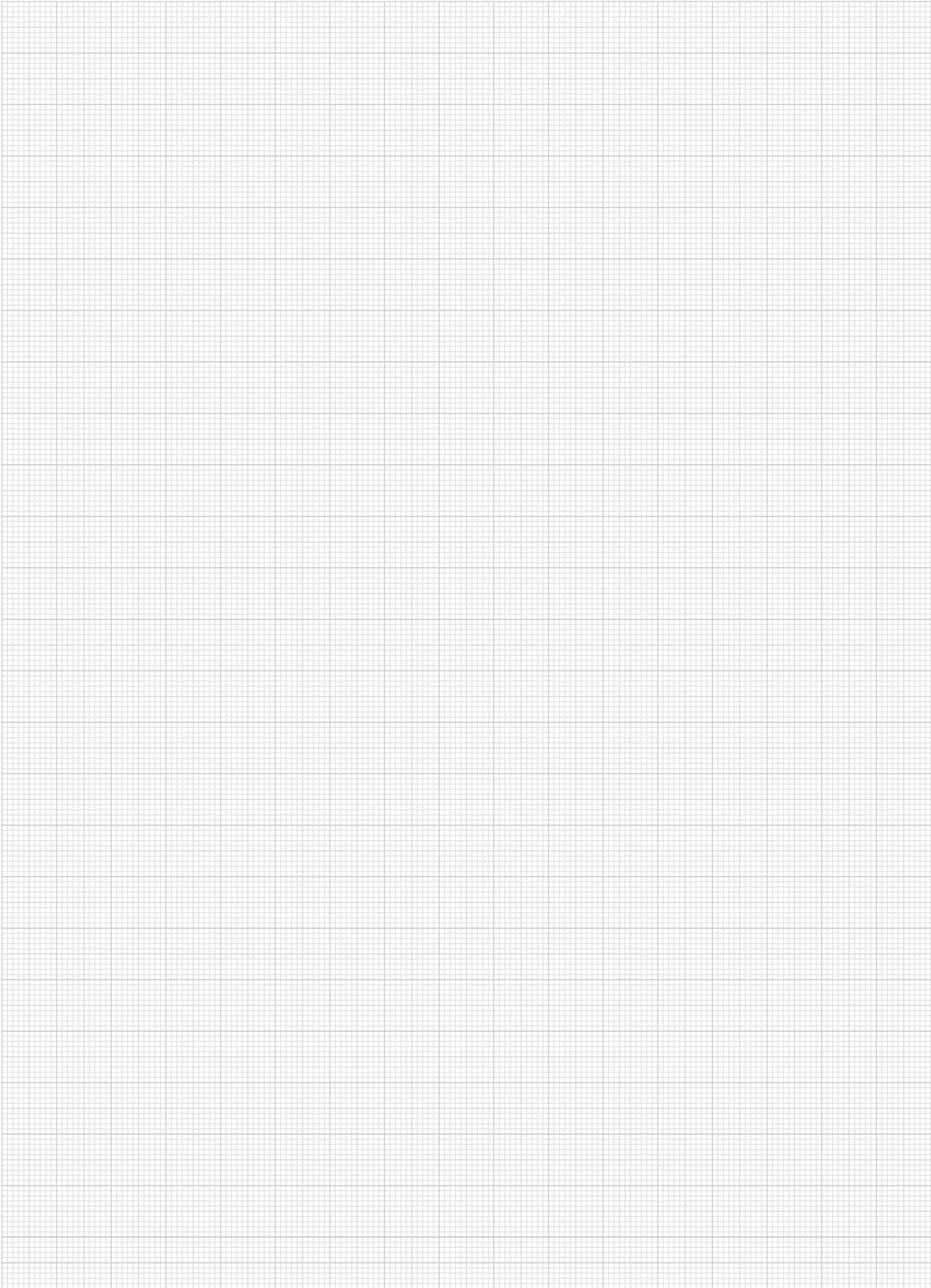


## KIPPA Toggle clamps horizontal with flat foot and safety interlock, stainless steel

| Order No.    | hole arrangement | Opening angle of holding arm<br>~ | Opening angle of handle<br>~ | Hand force N | Retaining force F1 N | Retaining force F2 N | Clamping force F3 N | Clamping force F4 N |
|--------------|------------------|-----------------------------------|------------------------------|--------------|----------------------|----------------------|---------------------|---------------------|
| K0660.106101 | 3                | 86°                               | 67°                          | 160          | 1.350                | 1.900                | 720                 | 1.200               |
| K0660.108101 | 3                | 86°                               | 67°                          | 200          | 2.000                | 2.800                | 830                 | 1.400               |

| Order No.    | M     | A  | A1 | A2  | B  | ~B1 | B2   | B3   | B4   | B5  | B6   | ~C   | D   | ~H   | ~H1  | ~L    | ~L1  |
|--------------|-------|----|----|-----|----|-----|------|------|------|-----|------|------|-----|------|------|-------|------|
| K0660.106101 | M6x35 | 26 | 39 | 6,5 | 28 | 39  | 17,5 | 12,4 | 24,6 | 2,5 | 53,4 | 25,4 | 5,5 | 63,7 | 59,5 | 193,3 | 60,5 |
| K0660.108101 | M8x45 | 26 | 44 | 9   | 31 | 45  | 21   | 15,7 | 24   | 2,5 | 51,1 | 32,2 | 6,2 | 73,9 | 70   | 230,3 | 74,9 |





# Toggle clamps horizontal

with straight foot and adjustable clamping spindle



## KIPPlöck



### Material:

Steel.

Grip polyamide.

### Version:

Nitro-carburized and black oxidized.

### Sample order:

K0661.005001

### Note:

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm.

### Accessories:

K0106

K0383

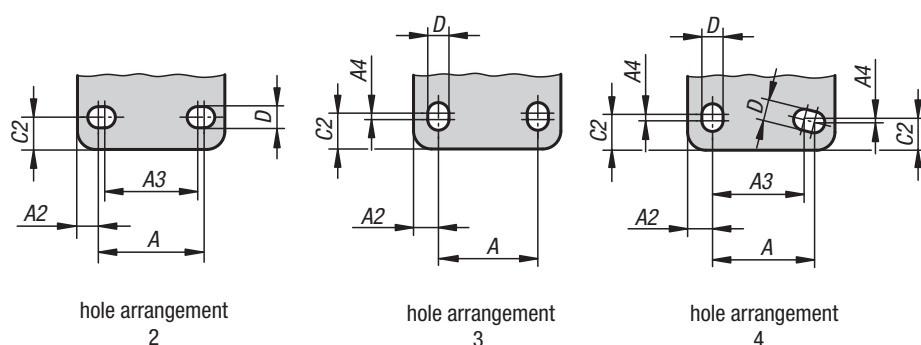
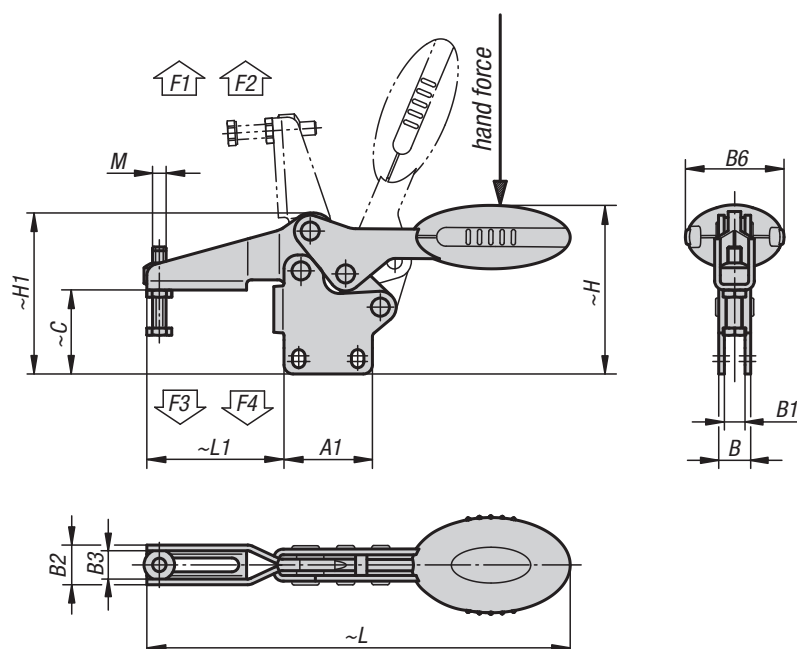
K0388

K0390

K0391

K0392

K0393



## KIPP Toggle clamps horizontal with straight foot and adjustable clamping spindle

| Order No.    | hole arrangement | Opening angle of holding arm<br>~ | Opening angle of handle<br>~ | Hand force<br>N | Retaining force F1<br>N | Retaining force F2<br>N | Clamping force F3<br>N | Clamping force F4<br>N |
|--------------|------------------|-----------------------------------|------------------------------|-----------------|-------------------------|-------------------------|------------------------|------------------------|
| K0661.005001 | 2                | 86°                               | 67°                          | 100             | 650                     | 900                     | 550                    | 620                    |
| K0661.006001 | 3                | 86°                               | 67°                          | 160             | 1350                    | 1900                    | 720                    | 1200                   |
| K0661.008001 | 3                | 86°                               | 67°                          | 200             | 2000                    | 2800                    | 830                    | 1400                   |
| K0661.010001 | 3                | 90°                               | 71°                          | 250             | 2200                    | 4500                    | 1200                   | 2800                   |
| K0661.012001 | 4                | 88°                               | 68°                          | 280             | 2400                    | 5500                    | 1000                   | 2800                   |

| Order No.    | M      | A    | A1 | A2  | A3   | A4  | B    | B1  | B2   | B3   | B6   | ~C   | C2   | D   | ~H    | ~H1   | ~L    | ~L1   |
|--------------|--------|------|----|-----|------|-----|------|-----|------|------|------|------|------|-----|-------|-------|-------|-------|
| K0661.005001 | M5x25  | 18   | 27 | 4,5 | 13,5 | -   | 8,1  | 4,1 | 13,2 | 9,1  | 22,5 | 26,2 | 5,1  | 5,5 | 52,2  | 47,9  | 125,7 | 41,8  |
| K0661.006001 | M6x35  | 26   | 39 | 6,5 | -    | 2,5 | 14,1 | 9,1 | 17,5 | 12,4 | 43,5 | 36,9 | 5,5  | 5,5 | 75,2  | 71    | 186,6 | 60,5  |
| K0661.008001 | M8x45  | 26   | 44 | 9   | -    | 3,5 | 14,1 | 9,1 | 21   | 15,7 | 41,5 | 46,5 | 7    | 6,2 | 88,2  | 84,3  | 223,1 | 74,9  |
| K0661.010001 | M10x55 | 41,5 | 59 | 9   | -    | 2   | 16,2 | 9,2 | 26   | 18,7 | 47   | 59,6 | 8    | 8,8 | 114,3 | 107,5 | 279,3 | 103,9 |
| K0661.012001 | M12x70 | 44   | 65 | 11  | 40   | 1   | 16,2 | 9,2 | 28   | 20,9 | 47   | 75,9 | 13,5 | 8,5 | 128,4 | 125,2 | 314,7 | 122   |

# Toggle clamps horizontal with safety interlock

with straight foot and adjustable clamping spindle



## KIPPlck<sup>+</sup>



### Material:

Steel.  
Grip polyamide.  
Unlocking bracket TPE.

### Version:

Nitro-carburized and black oxidized.

### Sample order:

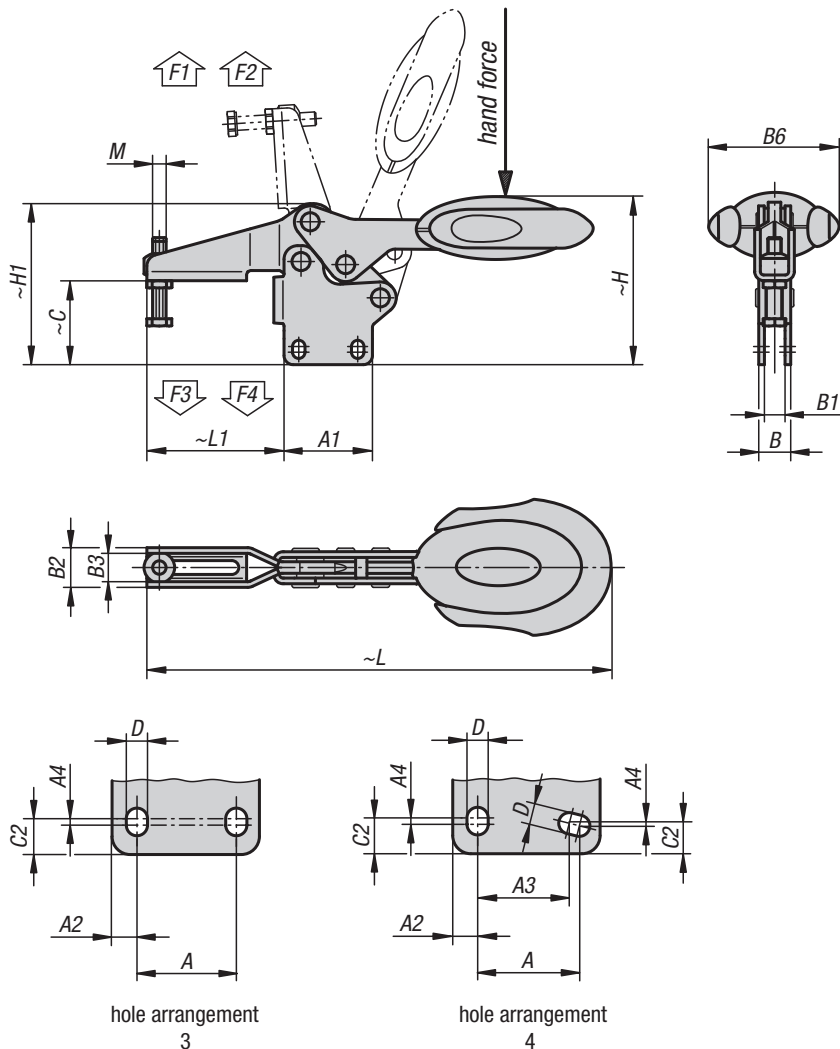
K0661.006101

### Note:

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm. Including internal bar lock with automatic safety catch.

### Accessories:

K0106  
K0383  
K0388  
K0390  
K0391  
K0392  
K0393



## KIPP Toggle clamps horizontal with safety interlock with straight foot and adjustable clamping spindle

| Order No.    | hole arrangement | Opening angle of holding arm<br>~ | Opening angle of handle<br>~ | Hand force<br>N | Retaining force F1<br>N | Retaining force F2<br>N | Clamping force F3<br>N | Clamping force F4<br>N |
|--------------|------------------|-----------------------------------|------------------------------|-----------------|-------------------------|-------------------------|------------------------|------------------------|
| K0661.006101 | 3                | 86°                               | 67°                          | 160             | 1350                    | 1900                    | 720                    | 1200                   |
| K0661.008101 | 3                | 86°                               | 67°                          | 200             | 2000                    | 2800                    | 830                    | 1400                   |
| K0661.010101 | 3                | 90°                               | 71°                          | 250             | 2200                    | 4500                    | 1200                   | 2800                   |
| K0661.012101 | 4                | 88°                               | 68°                          | 280             | 2400                    | 5500                    | 1000                   | 2800                   |

| Order No.    | M      | A    | A1 | A2  | A3 | A4  | B    | B1  | B2   | B3   | B6   | ~C   | C2   | D   | ~H    | ~H1   | ~L    | ~L1   |
|--------------|--------|------|----|-----|----|-----|------|-----|------|------|------|------|------|-----|-------|-------|-------|-------|
| K0661.006101 | M6x35  | 26   | 39 | 6,5 | -  | 2,5 | 14,1 | 9,1 | 17,5 | 12,4 | 53,4 | 36,9 | 5,5  | 5,5 | 75,2  | 71    | 193,7 | 60,5  |
| K0661.008101 | M8x45  | 26   | 44 | 9   | -  | 3,5 | 14,1 | 9,1 | 21   | 15,7 | 51,1 | 46,5 | 7    | 6,2 | 88,2  | 84,3  | 230,3 | 74,9  |
| K0661.010101 | M10x55 | 41,5 | 59 | 9   | -  | 2   | 16,2 | 9,2 | 26   | 18,7 | 56,5 | 59,6 | 8    | 8,8 | 114,3 | 107,5 | 286,4 | 103,9 |
| K0661.012101 | M12x70 | 44   | 65 | 11  | 40 | 1   | 16,2 | 9,2 | 28   | 20,9 | 56,5 | 75,9 | 13,5 | 8,5 | 128,4 | 125,2 | 321,3 | 122   |

# Toggle clamps horizontal

with straight foot and adjustable clamping spindle, stainless steel



## KIPPlOCK



### Material:

Stainless steel.  
Grip polyamide.

### Version:

Bright.

### Sample order:

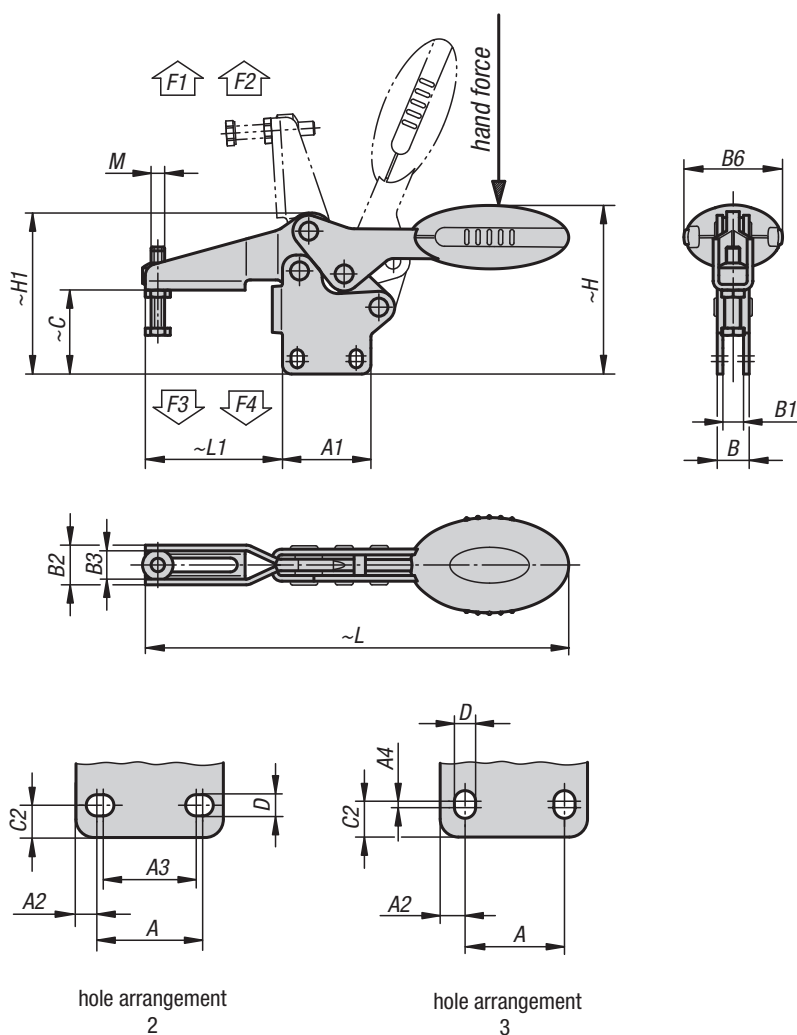
K0661.105001

### Note:

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm.

### Accessories:

K0106  
K0384  
K0390  
K0392  
K0667



## KIPP Toggle clamps horizontal with straight foot and adjustable clamping spindle, stainless steel

| Order No.    | hole arrangement | Opening angle of holding arm<br>~ | Opening angle of handle<br>~ | Hand force<br>N | Retaining force F1<br>N | Retaining force F2 N | Clamping force F3<br>N | Clamping force F4<br>N |
|--------------|------------------|-----------------------------------|------------------------------|-----------------|-------------------------|----------------------|------------------------|------------------------|
| K0661.105001 | 2                | 86°                               | 67°                          | 100             | 650                     | 900                  | 550                    | 620                    |
| K0661.106001 | 3                | 86°                               | 67°                          | 160             | 1.350                   | 1.900                | 720                    | 1.200                  |
| K0661.108001 | 3                | 86°                               | 67°                          | 200             | 2.000                   | 2.800                | 830                    | 1.400                  |

| Order No.    | M     | A  | A1 | A2  | A3   | A4  | B    | B1  | B2   | B3   | B6   | ~C   | C2  | D   | ~H   | ~H1  | ~L    | ~L1  |
|--------------|-------|----|----|-----|------|-----|------|-----|------|------|------|------|-----|-----|------|------|-------|------|
| K0661.105001 | M5x25 | 18 | 27 | 4,5 | 13,5 | -   | 8,1  | 4,1 | 13,2 | 9,1  | 22,5 | 26,2 | 5,1 | 5,5 | 52,2 | 47,9 | 125,7 | 41,8 |
| K0661.106001 | M6x35 | 26 | 39 | 6,5 | -    | 2,5 | 14,1 | 9,1 | 17,5 | 12,4 | 43,5 | 36,9 | 5,5 | 5,5 | 75,2 | 71   | 186,6 | 60,5 |
| K0661.108001 | M8x45 | 26 | 44 | 9   | -    | 3,5 | 14,1 | 9,1 | 21   | 15,7 | 41,5 | 46,5 | 7   | 6,2 | 88,2 | 84,3 | 223,1 | 74,9 |

# Toggle clamps horizontal with safety interlock

with straight foot and adjustable clamping spindle, stainless steel



## Material:

Stainless steel.  
Grip polyamide.  
Unlocking bracket TPE.

## Version:

Bright.

## Sample order:

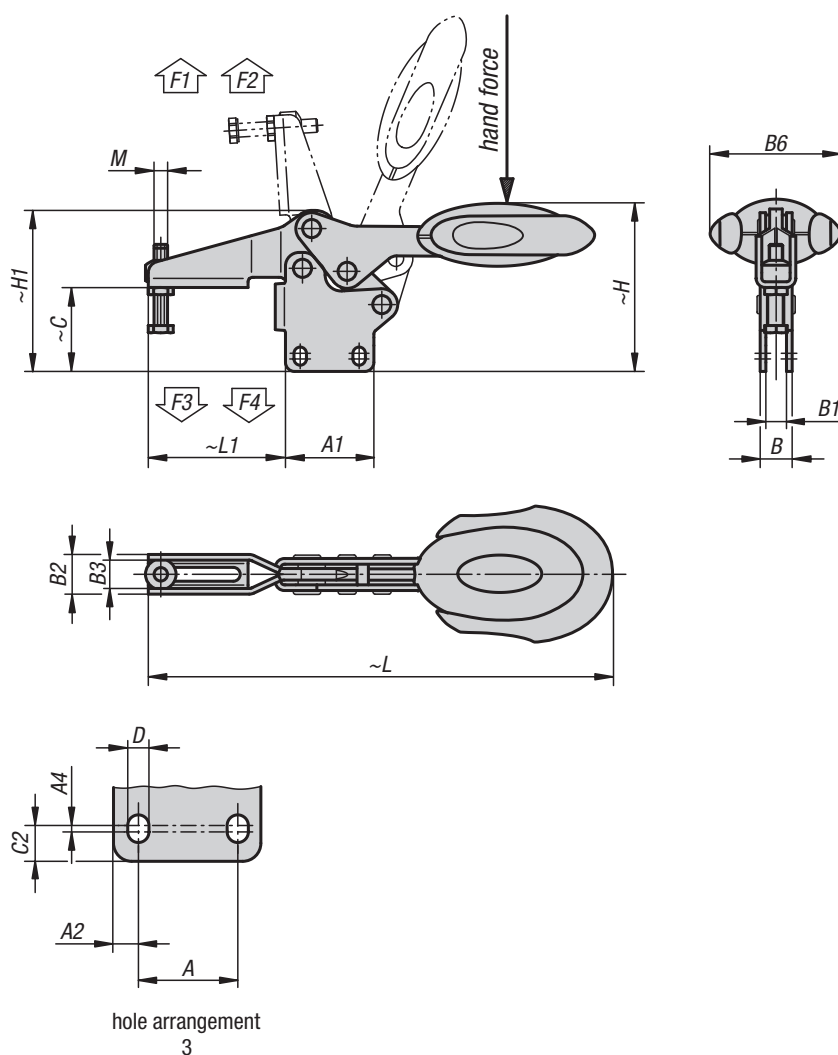
K0661.106101

## Note:

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm. Including internal bar lock with automatic safety catch.

## Accessories:

K0106  
K0384  
K0390  
K0392  
K0667



## KIPP Toggle clamps horizontal with safety interlock with straight foot and adjustable clamping spindle, stainless steel

| Order No.    | hole arrangement | Opening angle of holding arm<br>~ | Opening angle of handle<br>~ | Hand force<br>N | Retaining force F1<br>N | Retaining force F2<br>N | Clamping force F3<br>N | Clamping force F4<br>N |
|--------------|------------------|-----------------------------------|------------------------------|-----------------|-------------------------|-------------------------|------------------------|------------------------|
| K0661.106101 | 3                | 86°                               | 67°                          | 160             | 1.350                   | 1.900                   | 720                    | 1.200                  |
| K0661.108101 | 3                | 86°                               | 67°                          | 200             | 2.000                   | 2.800                   | 830                    | 1.400                  |

| Order No.    | M     | A  | A1 | A2  | A4  | B    | B1  | B2   | B3   | B6   | ~C   | C2  | D   | ~H   | ~H1  | ~L    | ~L1  |
|--------------|-------|----|----|-----|-----|------|-----|------|------|------|------|-----|-----|------|------|-------|------|
| K0661.106101 | M6x35 | 26 | 39 | 6,5 | 2,5 | 14,1 | 9,1 | 17,5 | 12,4 | 53,4 | 36,9 | 5,5 | 5,5 | 75,2 | 71   | 193,7 | 60,5 |
| K0661.108101 | M8x45 | 26 | 44 | 9   | 3,5 | 14,1 | 9,1 | 21   | 15,7 | 51,1 | 46,5 | 7   | 6,2 | 88,2 | 84,3 | 230,3 | 74,9 |

# Toggle clamps vertical

with flat foot and adjustable clamping spindle



## KIPPlöck



### Material:

Steel.  
Grip polyamide.

### Version:

Nitro-carburized and black oxidized.

### Sample order:

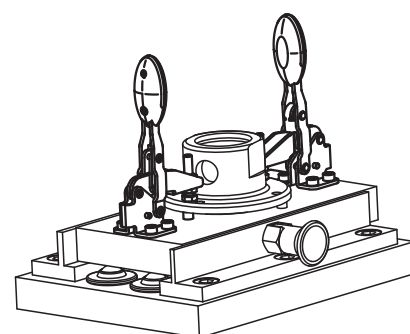
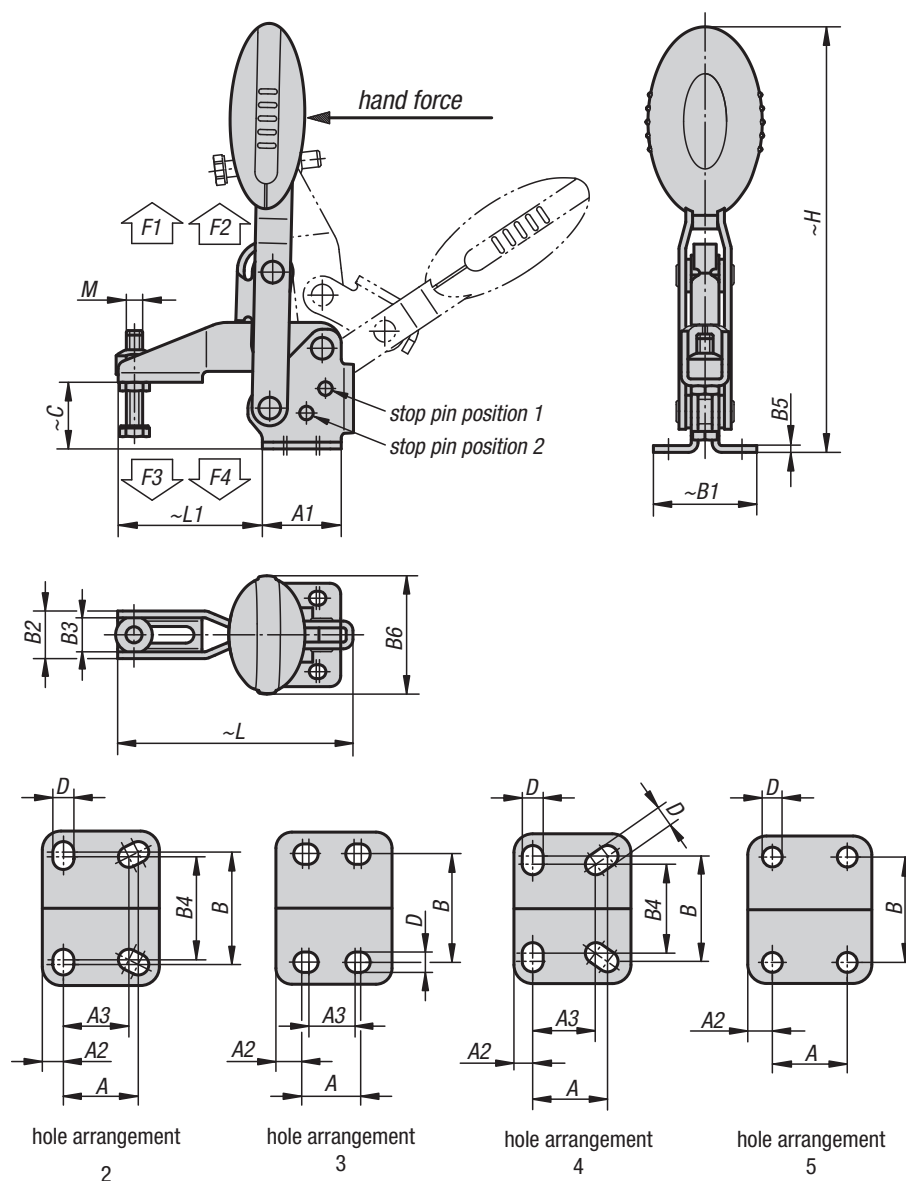
K0662.005001

### Note:

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm.

### Accessories:

K0106  
K0098  
K0383  
K0388  
K0390  
K0391  
K0392  
K0393



# Toggle clamps vertical

with flat foot and adjustable clamping spindle



## KIPP Toggle clamps vertical with flat foot and adjustable clamping spindle

| Order No.    | Opening angle<br>holding arm ~<br>position 1 | Opening angle<br>holding arm ~<br>position 2 | Opening angle<br>holding arm ~<br>stop pin removed | Opening angle<br>handle ~<br>position 1 | Opening angle<br>handle ~<br>position 2 | Opening angle<br>handle ~<br>stop pin removed | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|--------------|----------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0662.005001 | 100°                                         | -                                            | 147°                                               | 64°                                     | -                                       | 83°                                           | 100             | 750                        | 1050                       | 620                       | 750                       |
| K0662.006001 | 56°                                          | 83°                                          | 152°                                               | 46°                                     | 56°                                     | 83°                                           | 160             | 1350                       | 1650                       | 920                       | 1050                      |
| K0662.008001 | 13°                                          | 93°                                          | 158°                                               | 26°                                     | 61°                                     | 86°                                           | 190             | 2000                       | 2800                       | 940                       | 1350                      |
| K0662.010001 | 6°                                           | 97°                                          | 176°                                               | 19°                                     | 59°                                     | 91°                                           | 250             | 2500                       | 4500                       | 1500                      | 2800                      |
| K0662.012001 | 11°                                          | 88°                                          | 164°                                               | 24°                                     | 60°                                     | 91°                                           | 280             | 3000                       | 5500                       | 1400                      | 2800                      |

| Order No.    | hole<br>arrangement | M      | A  | A1 | A2   | A3 | B  | ~B1 | B2   | B3   | B4 | B5  | B6   | ~C   | D   | ~H    | ~L    | ~L1   | Order No.<br>Angle bracket |
|--------------|---------------------|--------|----|----|------|----|----|-----|------|------|----|-----|------|------|-----|-------|-------|-------|----------------------------|
| K0662.005001 | 2                   | M5x25  | 16 | 25 | 4,5  | 14 | 24 | 33  | 13,2 | 9,1  | 22 | 2   | 22,5 | 19,1 | 4,5 | 108,5 | 66,5  | 35    | K0098.02                   |
| K0662.006001 | 3                   | M6x35  | 14 | 29 | 7    | 12 | 27 | 38  | 17,5 | 12,4 | -  | 2,5 | 43,5 | 24,7 | 5,5 | 156,1 | 87,5  | 53    | K0098.02                   |
| K0662.008001 | 3                   | M8x45  | 21 | 39 | 9    | 19 | 32 | 45  | 20,6 | 15,5 | -  | 2,5 | 41,5 | 32,7 | 6,8 | 184,2 | 107,5 | 62    | K0098.04                   |
| K0662.010001 | 4                   | M10x55 | 32 | 50 | 8    | 27 | 45 | 64  | 25,5 | 18,4 | 38 | 3,5 | 47   | 38,7 | 9   | 223,9 | 153   | 95    | K0098.06                   |
| K0662.012001 | 5                   | M12x70 | 32 | 53 | 10,5 | -  | 45 | 63  | 28   | 20,9 | -  | 3,5 | 47   | 46,7 | 8,8 | 242,4 | 173,5 | 113,5 | K0098.06                   |

## Toggle clamps vertical with safety interlock

with flat foot and adjustable clamping spindle



**Material:**

Steel.  
Grip polyamide.  
Unlocking bracket TPE.

**Version:**

Nitro-carburized and black oxidized.

**Sample order:**

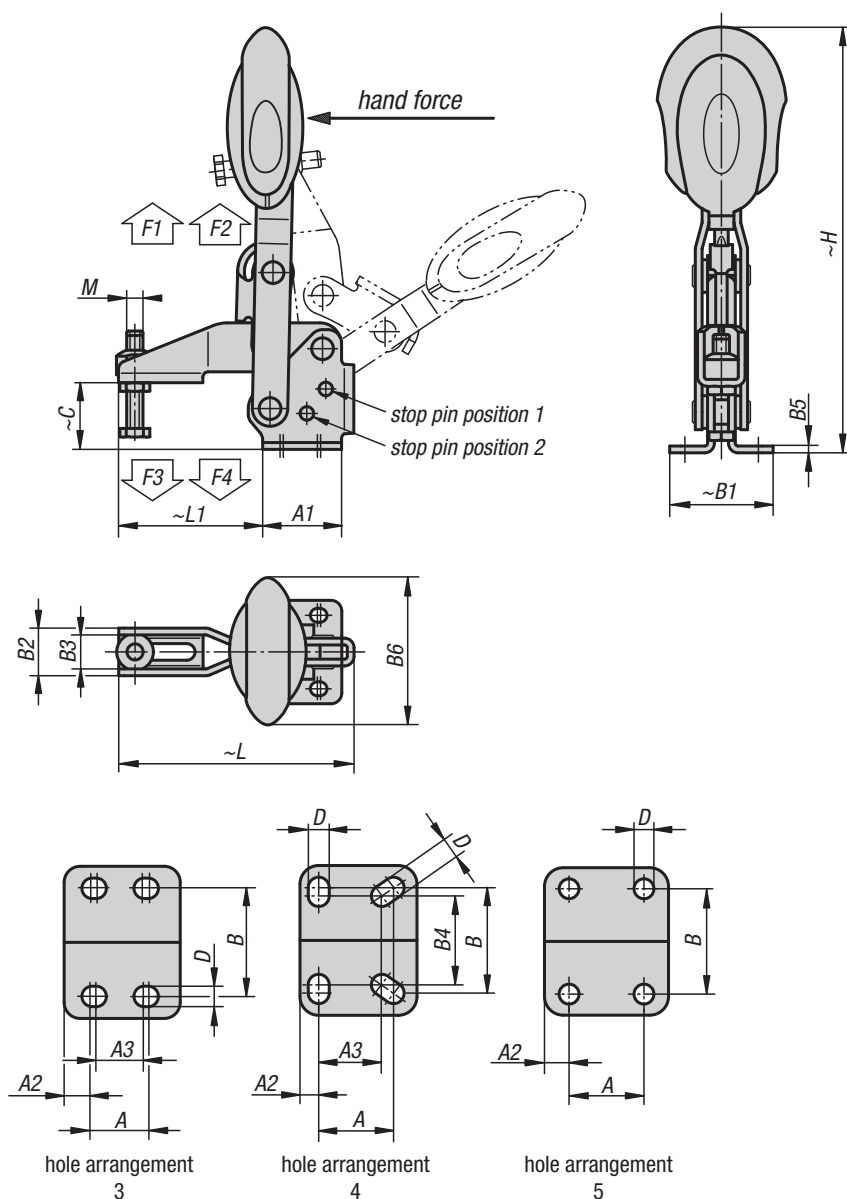
K0662.006101

**Note:**

Maintenance-free high quality link bushings. Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm. Including internal bar lock with automatic safety catch.

**Accessories:**

K0106  
K0098  
K0383  
K0388  
K0390  
K0391  
K0392  
K0393



**KIPP Toggle clamps vertical with safety interlock with flat foot and adjustable clamping spindle**

| Order No.    | Opening angle<br>holding arm ~<br>position 1 | Opening angle<br>holding arm ~<br>position 2 | Opening angle<br>holding arm ~<br>stop pin removed | Opening angle<br>handle ~<br>position 1 | Opening angle<br>handle ~<br>position 2 | Opening angle<br>handle ~<br>stop pin removed | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|--------------|----------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0662.006101 | 56°                                          | 83°                                          | 152°                                               | 46°                                     | 56°                                     | 83°                                           | 160             | 1350                       | 1650                       | 920                       | 1050                      |
| K0662.008101 | 13°                                          | 93°                                          | 158°                                               | 26°                                     | 61°                                     | 86°                                           | 190             | 2000                       | 2800                       | 940                       | 1350                      |
| K0662.010101 | 6°                                           | 97°                                          | 176°                                               | 19°                                     | 59°                                     | 91°                                           | 250             | 2500                       | 4500                       | 1500                      | 2800                      |
| K0662.012101 | 11°                                          | 88°                                          | 164°                                               | 24°                                     | 60°                                     | 91°                                           | 280             | 3000                       | 5500                       | 1400                      | 2800                      |

| Order No.    | hole<br>arrangement | M      | A  | A1 | A2   | A3 | B  | ~B1 | B2   | B3   | B4 | B5  | B6   | ~C   | D   | ~H    | ~L    | ~L1   | Order No.<br>Angle bracket |
|--------------|---------------------|--------|----|----|------|----|----|-----|------|------|----|-----|------|------|-----|-------|-------|-------|----------------------------|
| K0662.006101 | 3                   | M6x35  | 14 | 29 | 7    | 12 | 27 | 38  | 17,5 | 12,4 | -  | 2,5 | 53,4 | 24,7 | 5,5 | 162,8 | 87,5  | 53    | K0098.02                   |
| K0662.008101 | 3                   | M8x45  | 21 | 39 | 9    | 19 | 32 | 45  | 20,6 | 15,5 | -  | 2,5 | 51,1 | 32,7 | 6,8 | 191,4 | 107,5 | 62    | K0098.04                   |
| K0662.010101 | 4                   | M10x55 | 32 | 50 | 8    | 27 | 45 | 64  | 25,5 | 18,4 | 38 | 3,5 | 56,5 | 38,7 | 9   | 230,5 | 153   | 95    | K0098.06                   |
| K0662.012101 | 5                   | M12x70 | 32 | 53 | 10,5 | -  | 45 | 63  | 28   | 20,9 | -  | 3,5 | 56,5 | 46,7 | 8,8 | 249,1 | 173,5 | 113,5 | K0098.06                   |



## Toggle clamps vertical

with flat foot and adjustable clamping spindle, stainless steel



**KIPP**lock



**Material:**  
Stainless steel.  
Grip polyamide.

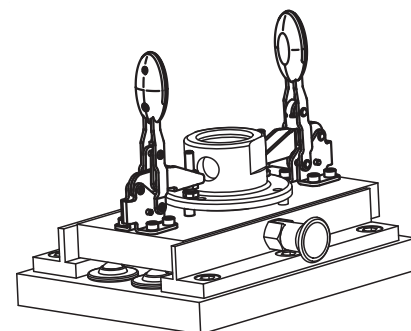
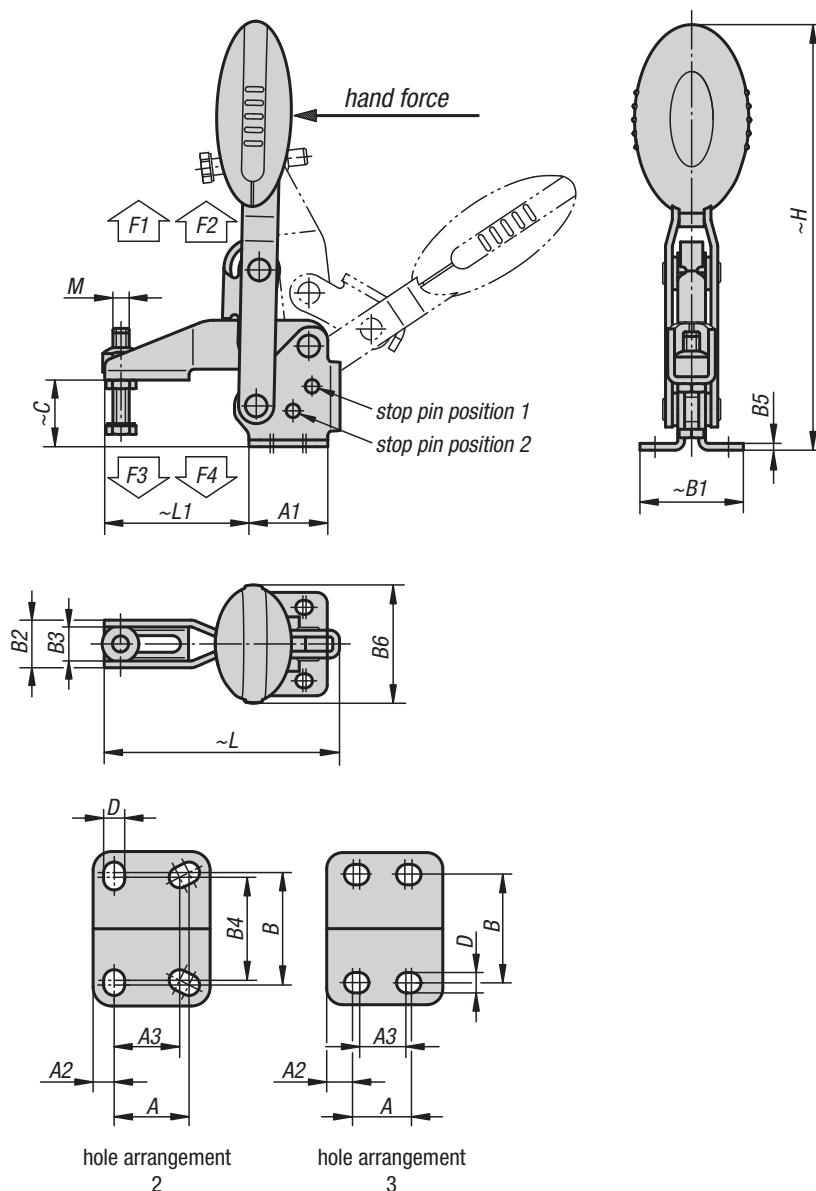
**Version:**  
Bright.

**Sample order:**  
K0662.105001

**Note:**  
Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm.

### Accessories:

K0106  
K0384  
K0390  
K0392  
K0667



**KIPP Toggle clamps vertical with flat foot and adjustable clamping spindle, stainless steel**

| Order No.    | Opening angle<br>holding arm ~<br>position 1 | Opening angle<br>holding arm ~<br>position 2 | Opening angle<br>holding arm ~<br>stop pin removed | Opening angle<br>handle ~<br>position 1 | Opening angle<br>handle ~<br>position 2 | Opening angle<br>handle ~<br>stop pin removed | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|--------------|----------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0662.105001 | 100°                                         | -                                            | 147°                                               | 64°                                     | -                                       | 83°                                           | 100             | 750                        | 1.050                      | 620                       | 750                       |
| K0662.106001 | 56°                                          | 83°                                          | 152°                                               | 46°                                     | 56°                                     | 83°                                           | 160             | 1.350                      | 1.650                      | 920                       | 1.050                     |
| K0662.108001 | 13°                                          | 93°                                          | 158°                                               | 26°                                     | 61°                                     | 86°                                           | 190             | 2.000                      | 2.800                      | 940                       | 1.350                     |

| Order No.    | hole<br>arrangement | M     | A  | A1 | A2  | A3 | B  | ~B1 | B2   | B3   | B4 | B5  | B6   | ~C   | D   | ~H    | ~L    | ~L1 |
|--------------|---------------------|-------|----|----|-----|----|----|-----|------|------|----|-----|------|------|-----|-------|-------|-----|
| K0662.105001 | 2                   | M5x25 | 16 | 25 | 4,5 | 14 | 24 | 33  | 13,2 | 9,1  | 22 | 2   | 22,5 | 19,1 | 4,5 | 108,5 | 66,5  | 35  |
| K0662.106001 | 3                   | M6x35 | 14 | 29 | 7   | 12 | 27 | 38  | 17,5 | 12,4 | -  | 2,5 | 43,5 | 24,7 | 5,5 | 156,1 | 87,5  | 53  |
| K0662.108001 | 3                   | M8x45 | 21 | 39 | 9   | 19 | 32 | 45  | 20,6 | 15,5 | -  | 2,5 | 41,5 | 32,7 | 6,8 | 184,2 | 107,5 | 62  |

# Toggle clamps vertical with safety interlock

with flat foot and adjustable clamping spindle, stainless steel


**KIPPl**ock<sup>+</sup>

**Material:**

Stainless steel.  
Grip polyamide.  
Unlocking bracket TPE.

**Version:**

Bright.

**Sample order:**

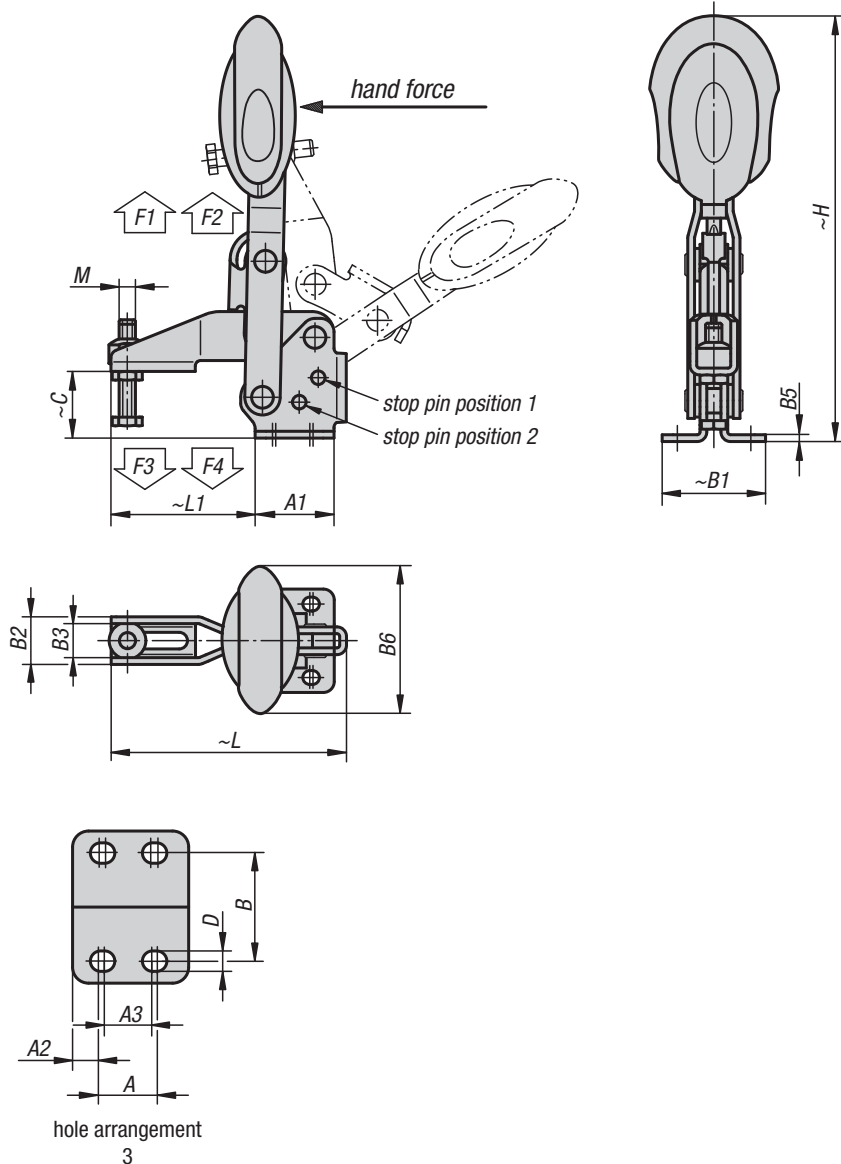
K0662.106101

**Note:**

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm. Including internal bar lock with automatic safety catch.

**Accessories:**

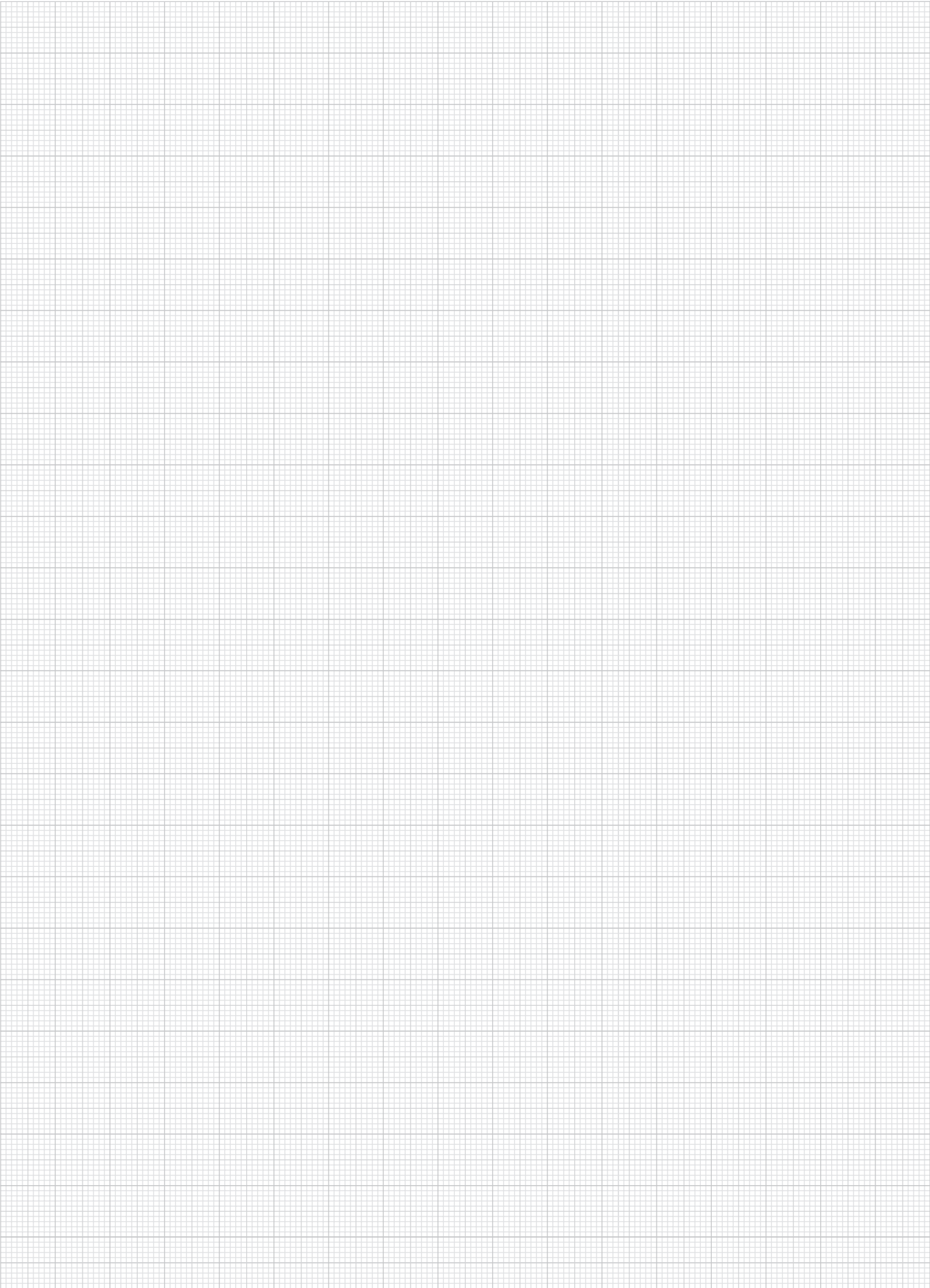
K0106  
K0384  
K0390  
K0392  
K0667



## KIPP Toggle clamps vertical with safety interlock with flat foot and adjustable clamping spindle, stainless steel

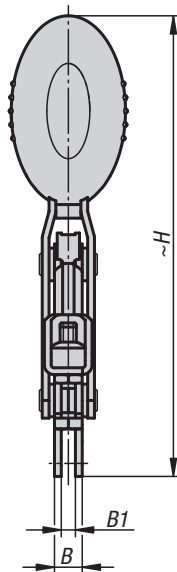
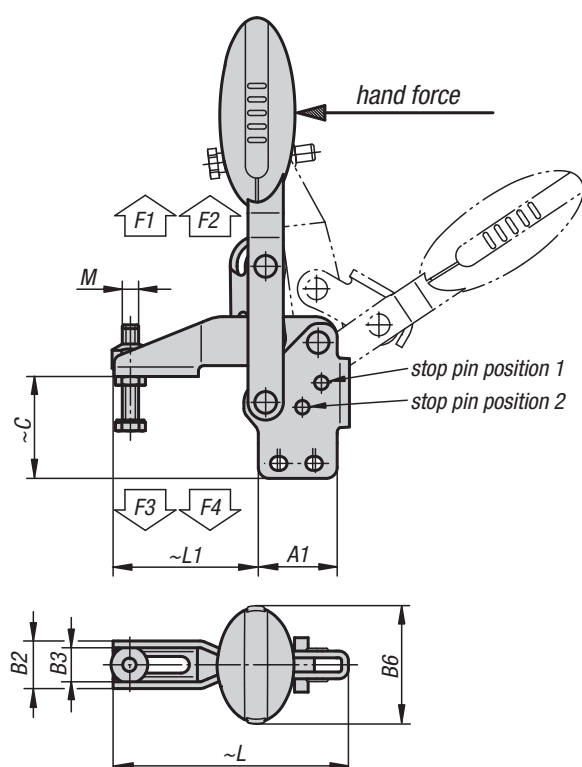
| Order No.    | Opening angle<br>holding arm ~<br>position 1 | Opening angle<br>holding arm ~<br>position 2 | Opening angle<br>holding arm ~<br>stop pin removed | Opening angle<br>handle ~<br>position 1 | Opening angle<br>handle ~<br>position 2 | Opening angle<br>handle ~<br>stop pin removed | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|--------------|----------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0662.106101 | 56°                                          | 83°                                          | 152°                                               | 46°                                     | 56°                                     | 83°                                           | 160             | 1.350                      | 1.650                      | 920                       | 1.050                     |
| K0662.108101 | 13°                                          | 93°                                          | 158°                                               | 26°                                     | 61°                                     | 86°                                           | 190             | 2.000                      | 2.800                      | 940                       | 1.350                     |

| Order No.    | hole<br>arrangement | M     | A  | A1 | A2 | A3 | B  | ~B1 | B2   | B3   | B5  | B6   | ~C   | D   | ~H    | ~L    | ~L1 |
|--------------|---------------------|-------|----|----|----|----|----|-----|------|------|-----|------|------|-----|-------|-------|-----|
| K0662.106101 | 3                   | M6x35 | 14 | 29 | 7  | 12 | 27 | 38  | 17,5 | 12,4 | 2,5 | 53,4 | 24,7 | 5,5 | 162,8 | 87,5  | 53  |
| K0662.108101 | 3                   | M8x45 | 21 | 39 | 9  | 19 | 32 | 45  | 20,6 | 15,5 | 2,5 | 51,1 | 32,7 | 6,8 | 191,4 | 107,5 | 62  |



# Toggle clamps vertical

with straight foot and adjustable clamping spindle

## Material:

Steel.  
Grip polyamide.

## Version:

Nitro-carburized and black oxidized.

## Sample order:

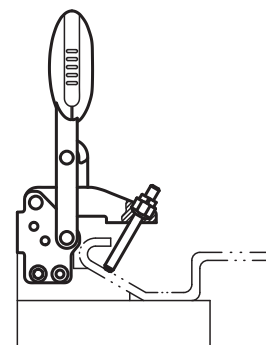
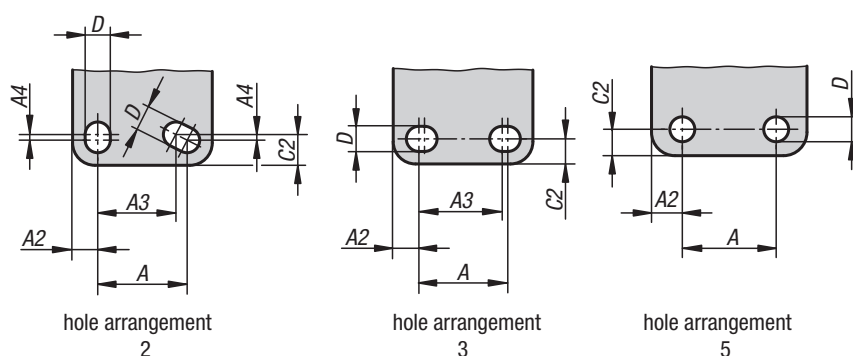
K0663.005001

## Note:

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm.

## Accessories:

K0106  
K0383  
K0388  
K0390  
K0391  
K0392  
K0393



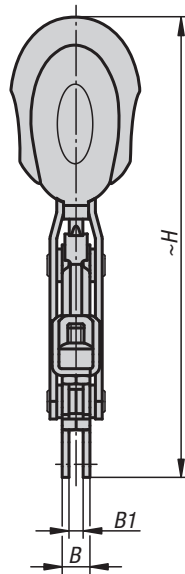
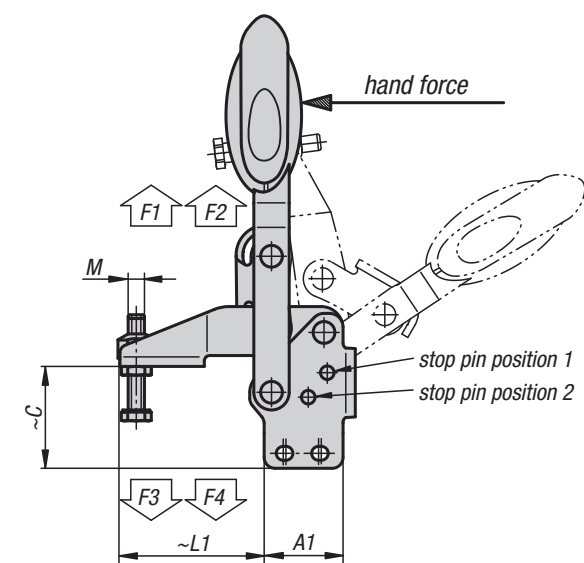
## KIPPA Toggle clamps vertical with straight foot and adjustable clamping spindle

| Order No.    | Opening angle<br>holding arm ~<br>position 1 | Opening angle<br>holding arm ~<br>position 2 | Opening angle<br>holding arm ~<br>stop pin removed | Opening angle<br>handle ~<br>position 1 | Opening angle<br>handle ~<br>position 2 | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|--------------|----------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0663.005001 | 100°                                         | -                                            | 129°                                               | 64°                                     | -                                       | 100             | 750                        | 1050                       | 620                       | 750                       |
| K0663.006001 | 56°                                          | 83°                                          | 141°                                               | 46°                                     | 56°                                     | 160             | 1350                       | 1650                       | 920                       | 1050                      |
| K0663.008001 | 13°                                          | 93°                                          | 158°                                               | 26°                                     | 61°                                     | 190             | 2000                       | 2800                       | 940                       | 1350                      |
| K0663.010001 | 6°                                           | 97°                                          | 176°                                               | 19°                                     | 59°                                     | 250             | 2500                       | 4500                       | 1500                      | 2800                      |
| K0663.012001 | 11°                                          | 88°                                          | 164°                                               | 24°                                     | 60°                                     | 280             | 3000                       | 5500                       | 1400                      | 2800                      |

| Order No.    | hole<br>arrangement | M      | A  | A1 | A2   | A3 | A4  | B    | B1  | B2   | B3   | B6   | ~C   | C2  | D   | ~H    | ~L    | ~L1   |
|--------------|---------------------|--------|----|----|------|----|-----|------|-----|------|------|------|------|-----|-----|-------|-------|-------|
| K0663.005001 | 2                   | M5x25  | 16 | 25 | 4,5  | 14 | 1   | 8,1  | 4,1 | 13,2 | 9,1  | 22,5 | 30,9 | 5,5 | 4,5 | 120,3 | 63,5  | 35    |
| K0663.006001 | 3                   | M6x35  | 14 | 29 | 7    | 12 | -   | 10,2 | 5,2 | 17,5 | 12,4 | 43,5 | 37,6 | 5,5 | 5,5 | 169,0 | 86,5  | 53    |
| K0663.008001 | 3                   | M8x45  | 21 | 39 | 9    | 19 | -   | 10,2 | 5,2 | 20,6 | 15,5 | 41,5 | 49   | 6,5 | 6,8 | 200,3 | 107   | 62    |
| K0663.010001 | 2                   | M10x55 | 32 | 50 | 8    | 27 | 3,5 | 14,1 | 7,1 | 25,5 | 18,4 | 47   | 62,3 | 13  | 9   | 247,4 | 153   | 95    |
| K0663.012001 | 5                   | M12x70 | 32 | 53 | 10,5 | -  | -   | 14,1 | 7,1 | 28   | 20,9 | 47   | 69,8 | 9   | 8,8 | 265,5 | 173,5 | 113,5 |

# Toggle clamps vertical with safety interlock

with straight foot and adjustable clamping spindle


**KIPPl**ock<sup>+</sup>

**Material:**

Steel.  
Grip polyamide.  
Unlocking bracket TPE.

**Version:**

Nitro-carburized and black oxidized.

**Sample order:**

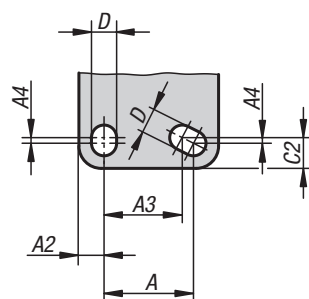
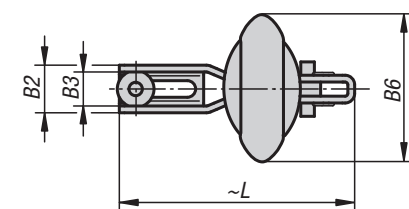
K0663.006101

**Note:**

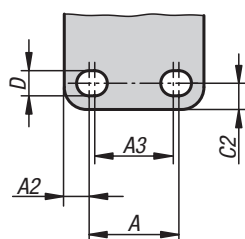
Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm. Including internal bar lock with automatic safety catch.

**Accessories:**

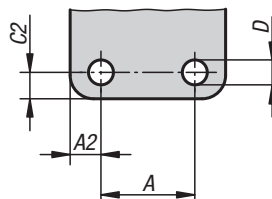
K0106  
K0383  
K0388  
K0390  
K0391  
K0392  
K0393



hole arrangement  
2



hole arrangement  
3



hole arrangement  
5

## KIPP Toggle clamps vertical with safety interlock, with straight foot and adjustable clamping spindle

| Order No.    | Opening angle<br>holding arm ~<br>position 1 | Opening angle<br>holding arm ~<br>position 2 | Opening angle<br>holding arm ~<br>stop pin removed | Opening angle<br>handle ~<br>position 1 | Opening angle<br>handle ~<br>position 2 | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|--------------|----------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0663.006101 | 56°                                          | 83°                                          | 141°                                               | 46°                                     | 56°                                     | 160             | 1350                       | 1650                       | 920                       | 1050                      |
| K0663.008101 | 13°                                          | 93°                                          | 158°                                               | 26°                                     | 61°                                     | 190             | 2000                       | 2800                       | 940                       | 1350                      |
| K0663.010101 | 6°                                           | 97°                                          | 176°                                               | 19°                                     | 59°                                     | 250             | 2500                       | 4500                       | 1500                      | 2800                      |
| K0663.012101 | 11°                                          | 88°                                          | 164°                                               | 24°                                     | 60°                                     | 280             | 3000                       | 5500                       | 1400                      | 2800                      |

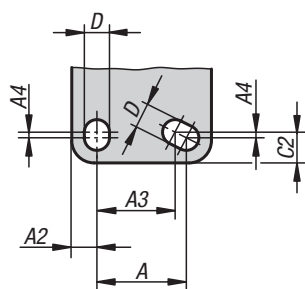
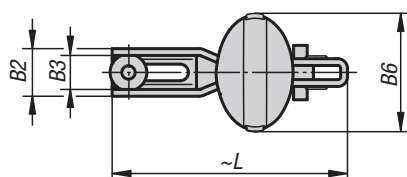
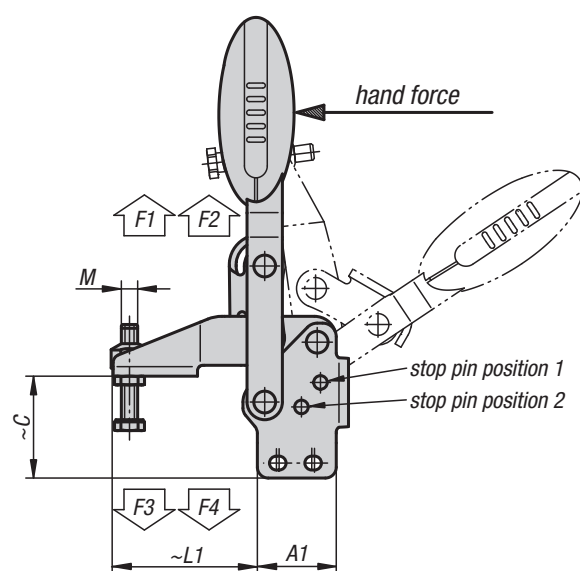
| Order No.    | hole<br>arrangement | M      | A  | A1 | A2   | A3 | A4  | B    | B1  | B2   | B3   | B6   | ~C   | C2  | D   | ~H    | ~L    | ~L1   |
|--------------|---------------------|--------|----|----|------|----|-----|------|-----|------|------|------|------|-----|-----|-------|-------|-------|
| K0663.006101 | 3                   | M6x35  | 14 | 29 | 7    | 12 | -   | 10,2 | 5,2 | 17,5 | 12,4 | 53,4 | 37,6 | 5,5 | 5,5 | 175,7 | 86,5  | 53    |
| K0663.008101 | 3                   | M8x45  | 21 | 39 | 9    | 19 | -   | 10,2 | 5,2 | 20,6 | 15,5 | 51,1 | 49   | 6,5 | 6,8 | 207,6 | 107   | 62    |
| K0663.010101 | 2                   | M10x55 | 32 | 50 | 8    | 27 | 3,5 | 14,1 | 7,1 | 25,5 | 18,4 | 56,5 | 62,3 | 13  | 9   | 254   | 153   | 95    |
| K0663.012101 | 5                   | M12x70 | 32 | 53 | 10,5 | -  | -   | 14,1 | 7,1 | 28   | 20,9 | 56,5 | 69,8 | 9   | 8,8 | 271,1 | 173,5 | 113,5 |

# Toggle clamps vertical

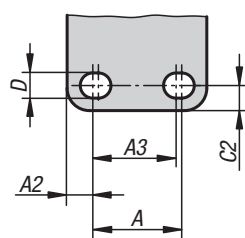
with straight foot and adjustable clamping spindle, stainless steel



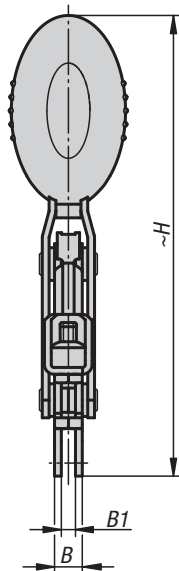
# KIPPlack



hole arrangement  
2



hole arrangement  
3



## Material:

Stainless steel.  
Grip polyamide.

## Version:

Bright.

## Sample order:

K0663.105001

## Note:

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm.

## Accessories:

K0106  
K0384  
K0390  
K0392  
K0667

## KIPP Toggle clamps vertical with straight foot and adjustable clamping spindle, stainless steel

| Order No.    | Opening angle<br>holding arm ~<br>position 1 | Opening angle<br>holding arm ~<br>position 2 | Opening angle<br>holding arm ~<br>stop pin removed | Opening angle<br>handle ~<br>position 1 | Opening angle<br>handle ~<br>position 2 | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|--------------|----------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0663.105001 | 100°                                         | -                                            | 129°                                               | 64°                                     | -                                       | 100             | 750                        | 1.050                      | 620                       | 750                       |
| K0663.106001 | 56°                                          | 83°                                          | 141°                                               | 46°                                     | 56°                                     | 160             | 1.350                      | 1.650                      | 920                       | 1.050                     |
| K0663.108001 | 13°                                          | 93°                                          | 158°                                               | 26°                                     | 61°                                     | 190             | 2.000                      | 2.800                      | 940                       | 1.350                     |

| Order No.    | hole<br>arrangement | M     | A  | A1 | A2  | A3 | A4 | B    | B1  | B2   | B3   | B6   | ~C   | C2  | D   | ~H    | ~L   | ~L1 |
|--------------|---------------------|-------|----|----|-----|----|----|------|-----|------|------|------|------|-----|-----|-------|------|-----|
| K0663.105001 | 2                   | M5x25 | 16 | 25 | 4,5 | 14 | 1  | 8,1  | 4,1 | 13,2 | 9,1  | 22,5 | 30,9 | 5,5 | 4,5 | 120,3 | 63,5 | 35  |
| K0663.106001 | 3                   | M6x35 | 14 | 29 | 7   | 12 | -  | 10,2 | 5,2 | 17,5 | 12,4 | 43,5 | 37,6 | 5,5 | 5,5 | 169   | 86,5 | 53  |
| K0663.108001 | 3                   | M8x45 | 21 | 39 | 9   | 19 | -  | 10,2 | 5,2 | 20,6 | 15,5 | 41,5 | 49   | 6,5 | 6,8 | 200,3 | 107  | 62  |

# Toggle clamps vertical with safety interlock

with straight foot and adjustable clamping spindle, stainless steel


**KIPPl**ock<sup>+</sup>

**Material:**

Stainless steel.  
Grip polyamide.  
Unlocking bracket TPE.

**Version:**

Bright.

**Sample order:**

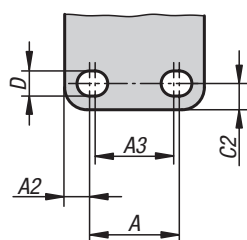
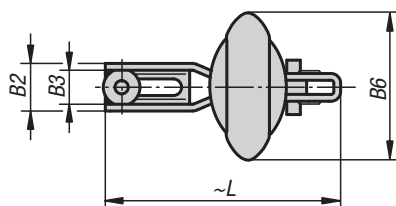
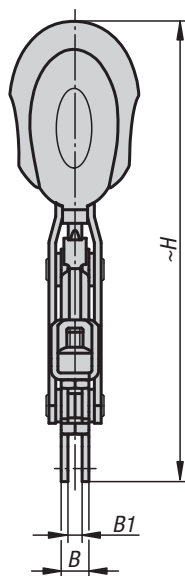
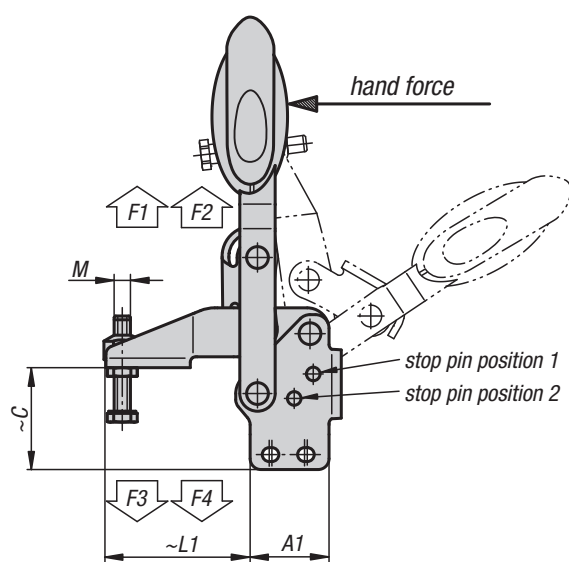
K0663.106101

**Note:**

Maintenance-free high quality link bushings.  
Sustainable constant force during opening and closing. Optimum stability through the conical, U-profile clamping arm. Including internal bar lock with automatic safety catch.

**Accessories:**

K0106  
K0384  
K0390  
K0392  
K0667



hole arrangement  
3

## KIPP Toggle clamps vertical with safety interlock with straight foot and adjustable clamping spindle, stainless steel

| Order No.    | Opening angle<br>holding arm ~<br>position 1 | Opening angle<br>holding arm ~<br>position 2 | Opening angle<br>holding arm ~<br>stop pin removed | Opening angle<br>handle ~<br>position 1 | Opening angle<br>handle ~<br>position 2 | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|--------------|----------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0663.106101 | 56°                                          | 83°                                          | 141°                                               | 46°                                     | 56°                                     | 160             | 1.350                      | 1.650                      | 920                       | 1.050                     |
| K0663.108101 | 13°                                          | 93°                                          | 158°                                               | 26°                                     | 61°                                     | 190             | 2.000                      | 2.800                      | 940                       | 1.350                     |

| Order No.    | hole<br>arrangement | M     | A  | A1 | A2 | A3 | B    | B1  | B2   | B3   | B6   | ~C   | C2  | D   | ~H    | ~L   | ~L1 |
|--------------|---------------------|-------|----|----|----|----|------|-----|------|------|------|------|-----|-----|-------|------|-----|
| K0663.106101 | 3                   | M6x35 | 14 | 29 | 7  | 12 | 10,2 | 5,2 | 17,5 | 12,4 | 53,4 | 37,6 | 5,5 | 5,5 | 175,7 | 86,5 | 53  |
| K0663.108101 | 3                   | M8x45 | 21 | 39 | 9  | 19 | 10,2 | 5,2 | 20,6 | 15,5 | 51,1 | 49   | 6,5 | 6,8 | 207,6 | 107  | 62  |

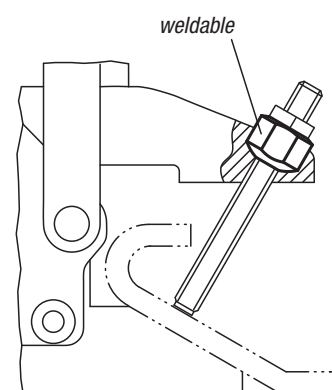
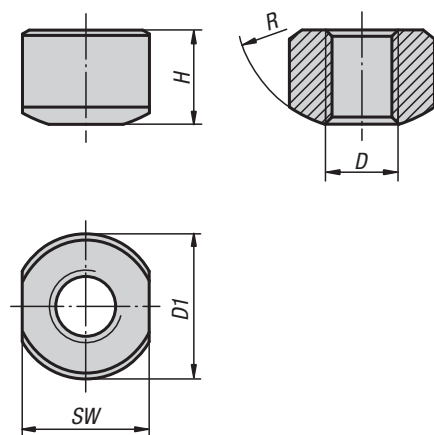
# Spherical seating nuts

**Material:**

Steel or stainless steel

**Version:**Steel black oxidised.  
Stainless steel bright.**Sample order:**

K0664.04

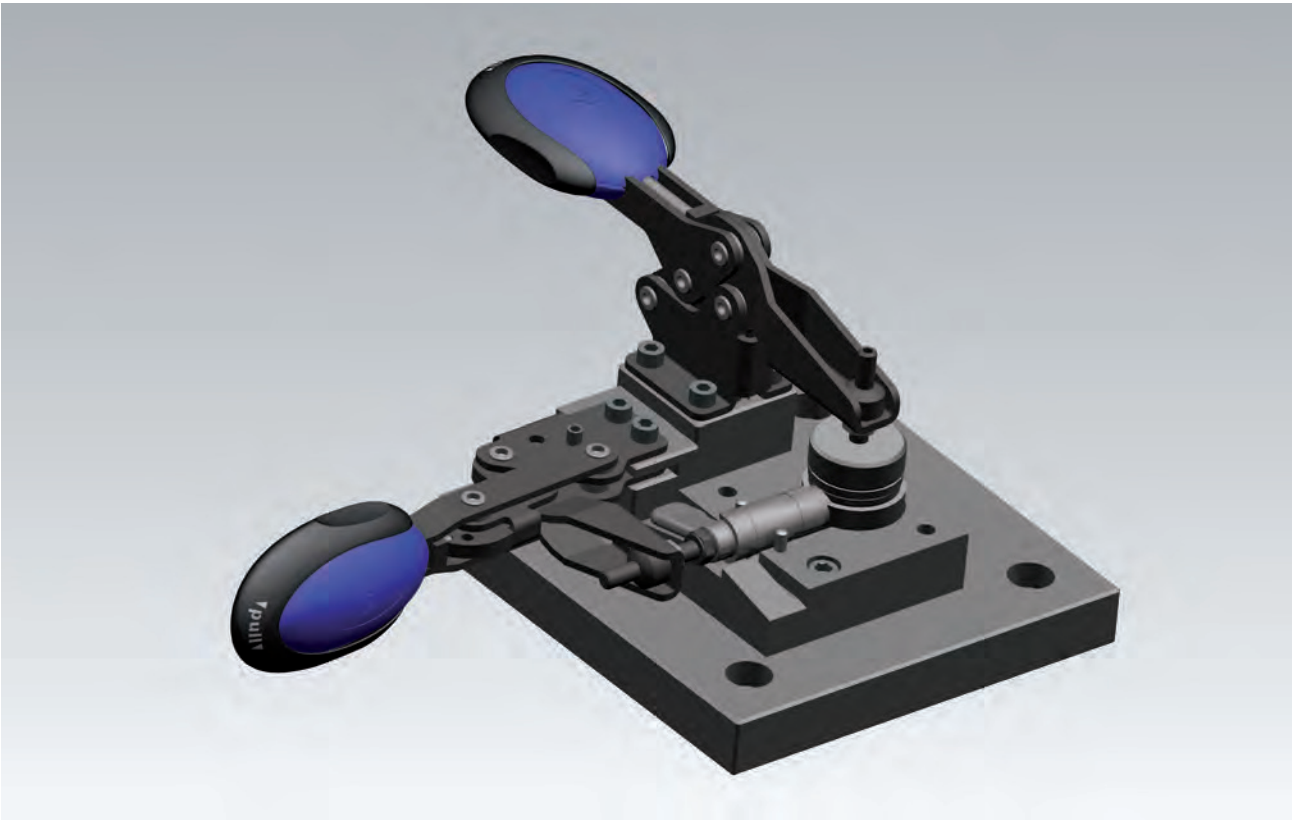
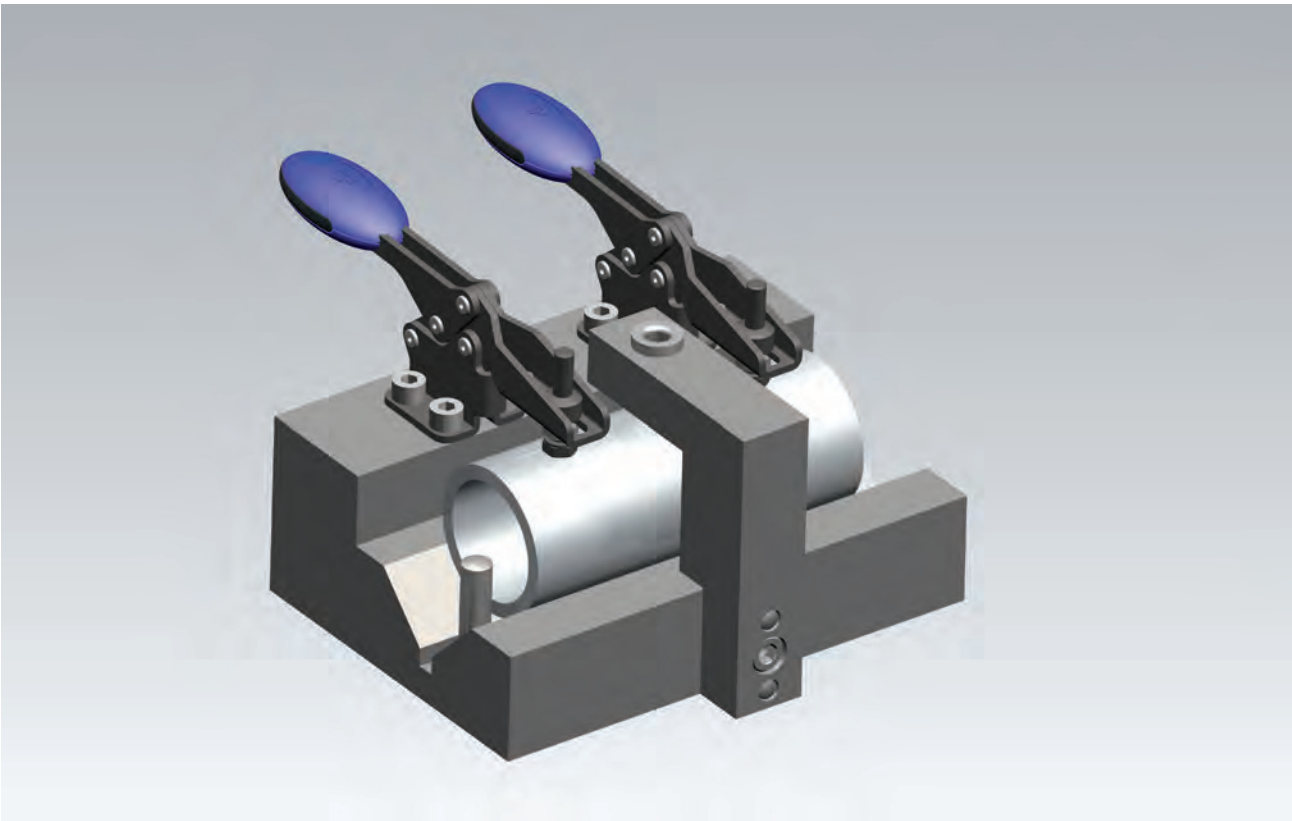


## KIPP Spherical seating nuts

| Order No.<br>steel | Order No.<br>Stainless steel | D   | H    | D1   | SW   | R  |
|--------------------|------------------------------|-----|------|------|------|----|
| K0664.04           | K0664.104                    | M4  | 5,2  | 8    | 7    | 7  |
| K0664.05           | K0664.105                    | M5  | 6,7  | 10   | 9    | 9  |
| K0664.06           | K0664.106                    | M6  | 9,5  | 13,5 | 12,2 | 10 |
| K0664.08           | K0664.108                    | M8  | 12,8 | 18   | 15,3 | 12 |
| K0664.10           | -                            | M10 | 12,1 | 20   | 18,2 | 14 |
| K0664.12           | -                            | M12 | 14,8 | 23   | 20   | 16 |



# Application example



## Notes

# Technical information

Fig. 1:

## Clamp top dead centre.

Self-locking of the hinge prevents independent opening during the machining process.

Fig. 2:

## Clamp in intermediate position.

The holding arm approaches dead centre of the toggle hinge very rapidly when closing the clamp (swivel angle of handle << swivel angle of holding arm).

Fig. 3:

## Clamp open.

The wide opening angle of the clamping arm allows easy loading and unloading.



Fig. 1

Fig. 2

Fig. 3

Toggle clamps generate the maximum clamping force when the three pivots are in a straight line (dead centre position). A clamp is locked by moving one pivot beyond the dead centre position. The end position over dead centre is carefully chosen to retain the maximum clamping force while preventing inadvertent opening of the clamp due to vibration or varying loading.

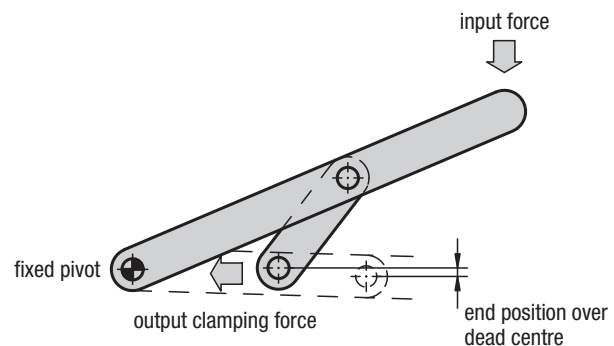
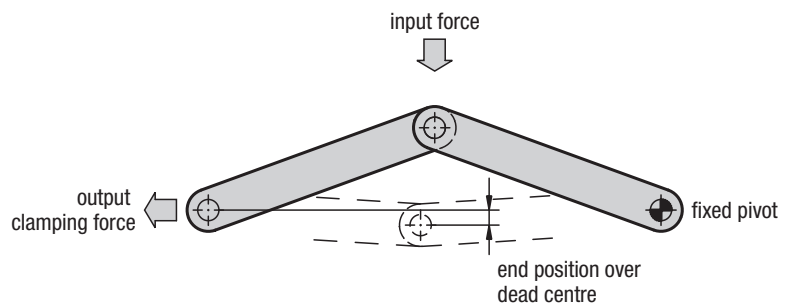
The force-multiplying characteristics of the toggle hinge mechanism put in practice in straight line action clamps can be used to carry out work such as light punching, drilling, forming, bonding, jointing, riveting, welding and locking.

## Retention force

The retention force is the force applied to the workpiece which the closed clamp can readily withstand without permanent distortion or loss of function.

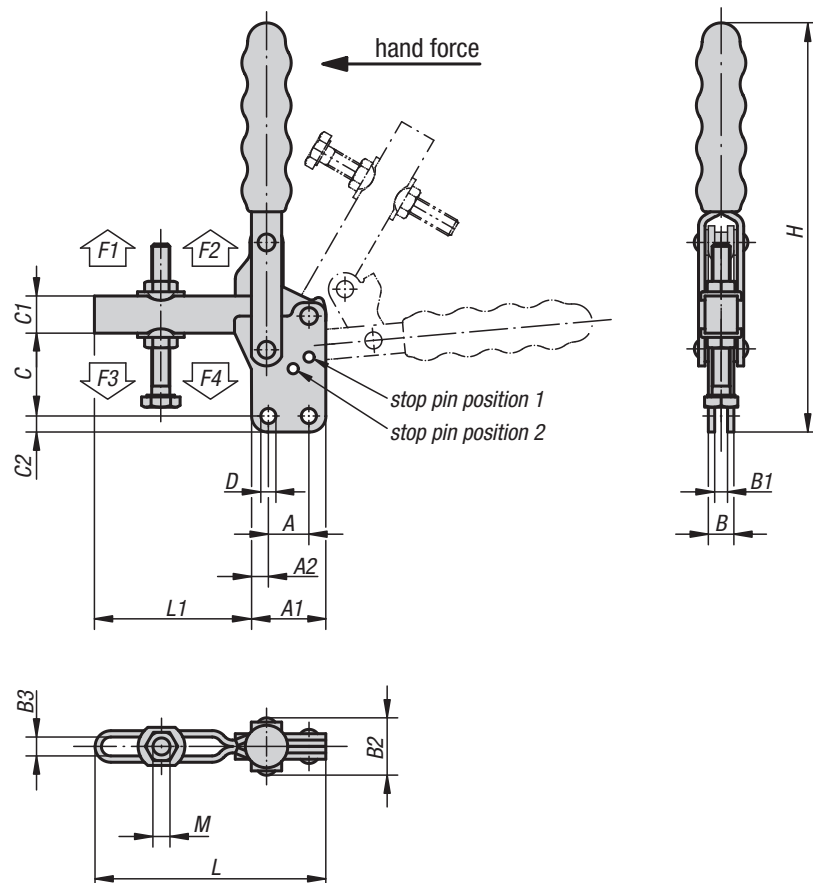
## Clamping force

The clamping force is the force applied to the workpiece by the clamping arm when it is closed. The hand forces indicated in the catalogue can achieve the corresponding clamping forces.



# Toggle clamps vertical

with straight foot and adjustable clamping spindle



**Material:**  
Steel.

**Version:**  
Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**  
K0055.0250

**Note:**  
The opening angle between the holding arm and the handle can be reduced or increased by repositioning or removing the stop pin.

A neoprene pressure pad is supplied with versions K0055.0075 and K0055.0150.

**Accessories:**

K0100  
K0101  
K0102  
K0103  
K0106  
K0107

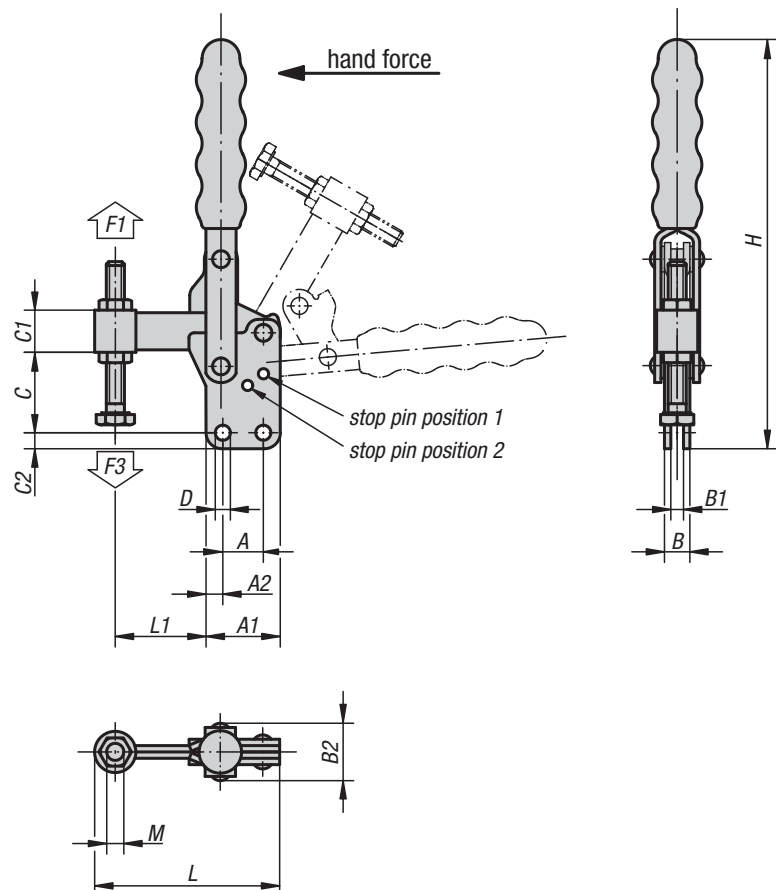
## KIPP Toggle clamps vertical with straight foot and adjustable clamping spindle

| Order No.  | Opening angle holding arm position 1 | Opening angle holding arm position 2 | Opening angle holding arm stop pin removed | Opening angle handle position 1 | Opening angle handle position 2 | Opening angle handle stop pin removed | Matching plastic grip |
|------------|--------------------------------------|--------------------------------------|--------------------------------------------|---------------------------------|---------------------------------|---------------------------------------|-----------------------|
| K0055.0075 | 130°                                 | -                                    | 195°                                       | 90°                             | -                               | 125°                                  | K0100.16              |
| K0055.0150 | 95°                                  | -                                    | 185°                                       | 75°                             | -                               | 110°                                  | K0100.19              |
| K0055.0250 | 95°                                  | 125°                                 | 160°                                       | 70°                             | 85°                             | 100°                                  | K0100.28              |
| K0055.0350 | 90°                                  | 120°                                 | 180°                                       | 70°                             | 80°                             | 110°                                  | K0100.30              |
| K0055.0450 | 90°                                  | 125°                                 | 180°                                       | 70°                             | 85°                             | 110°                                  | K0100.34              |
| K0055.0550 | 90°                                  | 120°                                 | 180°                                       | 65°                             | 80°                             | 110°                                  | K0100.35              |

| Order No.  | A    | A1 | A2   | B  | B1 | B2 | B3   | C   | C1   | C2   | D    | H   | L   | L1  | M       | Hand force N | Retaining force F1 N | Retaining force F2 N | Clamping force F3 N | Clamping force F4 N |
|------------|------|----|------|----|----|----|------|-----|------|------|------|-----|-----|-----|---------|--------------|----------------------|----------------------|---------------------|---------------------|
| K0055.0075 | 16   | 26 | 5    | 8  | 4  | 17 | 5,5  | 22  | 9    | 5    | 4,4  | 106 | 57  | 31  | M5x35   | 80           | 700                  | 1100                 | 500                 | 750                 |
| K0055.0150 | 12,7 | 27 | 7    | 12 | 6  | 24 | 6,4  | 28  | 11   | 5,4  | 5,1  | 135 | 70  | 43  | M6x50   | 120          | 1350                 | 1650                 | 800                 | 1050                |
| K0055.0250 | 19   | 35 | 8    | 12 | 6  | 26 | 8,8  | 39  | 17,5 | 7    | 7,1  | 190 | 110 | 75  | M8x60   | 190          | 1000                 | 2800                 | 900                 | 1700                |
| K0055.0350 | 32   | 50 | 9    | 16 | 8  | 33 | 10,6 | 54  | 22   | 9,6  | 8,3  | 245 | 145 | 95  | M10x80  | 230          | 2200                 | 4500                 | 1400                | 3000                |
| K0055.0450 | 32   | 53 | 10   | 20 | 10 | 42 | 13,5 | 59  | 25   | 8,7  | 8,7  | 246 | 177 | 124 | M12x100 | 260          | 3200                 | 7000                 | 1400                | 3000                |
| K0055.0550 | 51   | 76 | 12,5 | 20 | 10 | 41 | 16,5 | 102 | 32   | 12,7 | 12,3 | 345 | 230 | 154 | M16x150 | 290          | 3000                 | 8000                 | 1800                | 3900                |

# Toggle clamps vertical

with straight foot and fixed clamping spindle



**Material:**  
Steel.

**Version:**  
Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**  
K0056.0150

**Note:**  
The opening angle between the holding arm and the handle can be reduced or increased by repositioning or removing the stop pin.

A neoprene pressure pad is supplied with version K0056.0150.

**Accessories:**  
K0100  
K0101  
K0102  
K0103  
K0106



## KIPP Toggle clamps vertical with straight foot and fixed clamping spindle

| Order No.  | Opening angle<br>holding arm<br>position 1 | Opening angle<br>holding arm<br>position 2 | Opening angle<br>holding arm<br>stop pin removed | Opening angle<br>handle<br>position 1 | Opening angle<br>handle<br>position 2 | Opening angle<br>handle<br>stop pin removed | Matching<br>plastic grip |
|------------|--------------------------------------------|--------------------------------------------|--------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------------|--------------------------|
| K0056.0150 | 95°                                        | -                                          | 185°                                             | 75°                                   | -                                     | 110°                                        | K0100.19                 |
| K0056.0250 | 95°                                        | 125°                                       | 160°                                             | 70°                                   | 85°                                   | 100°                                        | K0100.28                 |
| K0056.0350 | 90°                                        | 120°                                       | 180°                                             | 70°                                   | 80°                                   | 110°                                        | K0100.30                 |
| K0056.0450 | 90°                                        | 125°                                       | 180°                                             | 70°                                   | 85°                                   | 110°                                        | K0100.34                 |
| K0056.0550 | 90°                                        | 120°                                       | 180°                                             | 65°                                   | 80°                                   | 110°                                        | K0100.35                 |

| Order No.  | A    | A1 | A2   | B  | B1 | B2 | C   | C1   | C2   | D    | H   | L   | L1  | M       | Hand force<br>N | Retaining<br>force<br>F1 N | Clamping<br>force<br>F3 N |
|------------|------|----|------|----|----|----|-----|------|------|------|-----|-----|-----|---------|-----------------|----------------------------|---------------------------|
| K0056.0150 | 12,7 | 27 | 7    | 12 | 6  | 24 | 28  | 11   | 5,4  | 5,1  | 135 | 60  | 26  | M6x50   | 120             | 1500                       | 900                       |
| K0056.0250 | 19   | 35 | 8    | 12 | 6  | 26 | 37  | 21,5 | 7    | 7,1  | 190 | 87  | 45  | M8x60   | 190             | 2500                       | 1150                      |
| K0056.0350 | 32   | 50 | 9    | 16 | 8  | 33 | 52  | 25,5 | 9,6  | 8,3  | 240 | 124 | 65  | M10x80  | 230             | 3500                       | 1650                      |
| K0056.0450 | 32   | 53 | 10   | 20 | 10 | 42 | 57  | 30   | 8,7  | 8,7  | 246 | 136 | 74  | M12x100 | 260             | 4500                       | 1650                      |
| K0056.0550 | 51   | 76 | 12,5 | 20 | 10 | 41 | 101 | 38   | 12,7 | 12,3 | 345 | 197 | 108 | M16x150 | 290             | 5500                       | 1900                      |

# Toggle clamps vertical

with flat foot and adjustable clamping spindle



## Material:

Steel or stainless steel

## Version:

Galvanized and chromed.  
Clamping spindle and nuts phosphated.  
Stainless steel bright.  
Plastic handle oil-resistant.

## Sample order:

K0058.0250N

## Note:

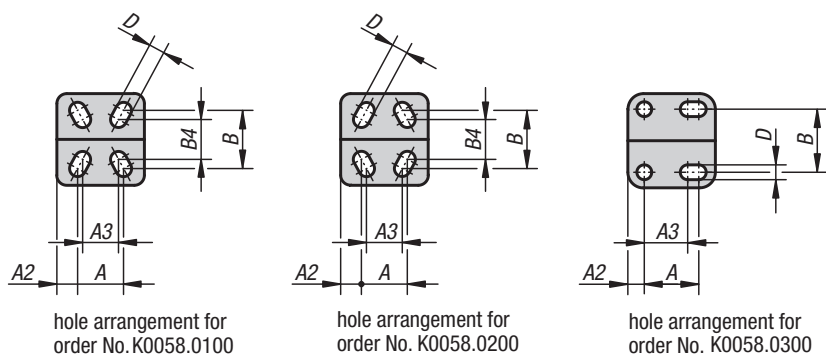
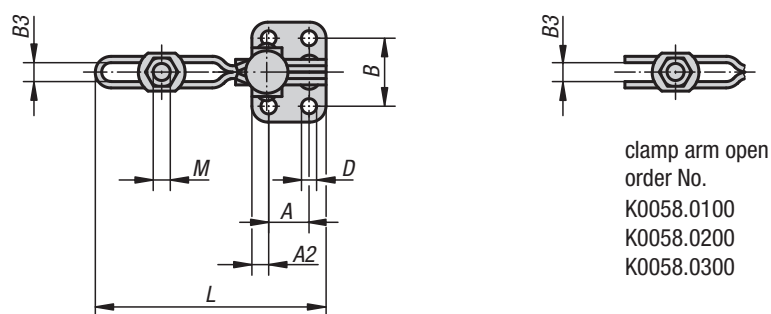
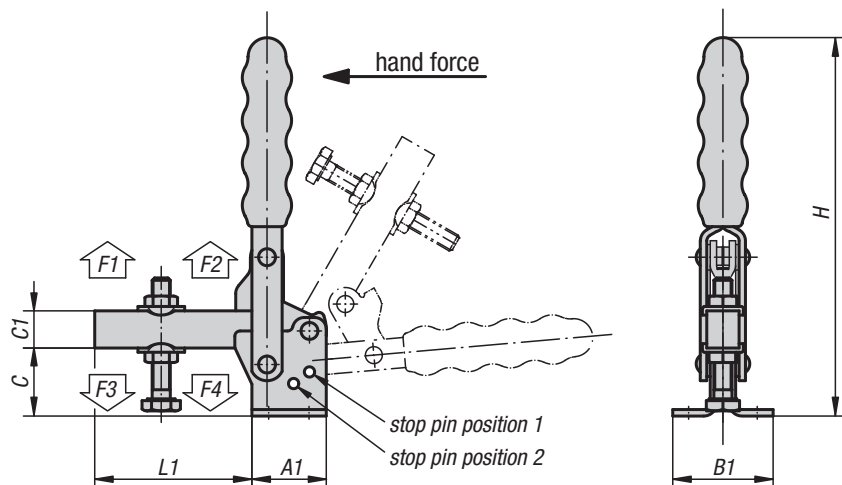
The opening angle between the holding arm and the handle can be reduced or increased by repositioning or removing the stop pin.

A neoprene pressure pad is supplied with versions K0058.0075, K0058.0100 and K0058.0150.

An angle bracket cannot be supplied in stainless steel with versions K0058.0075N, K0058.0150N and K0058.0250N.

## Accessories:

K0098  
K0100  
K0101  
K0102  
K0103  
K0106  
K0107



# Toggle clamps vertical

with flat foot and adjustable clamping spindle



Angle bracket for  
front face mounting  
(see accessories)

## KIPP Toggle clamps vertical with flat foot and adjustable clamping spindle

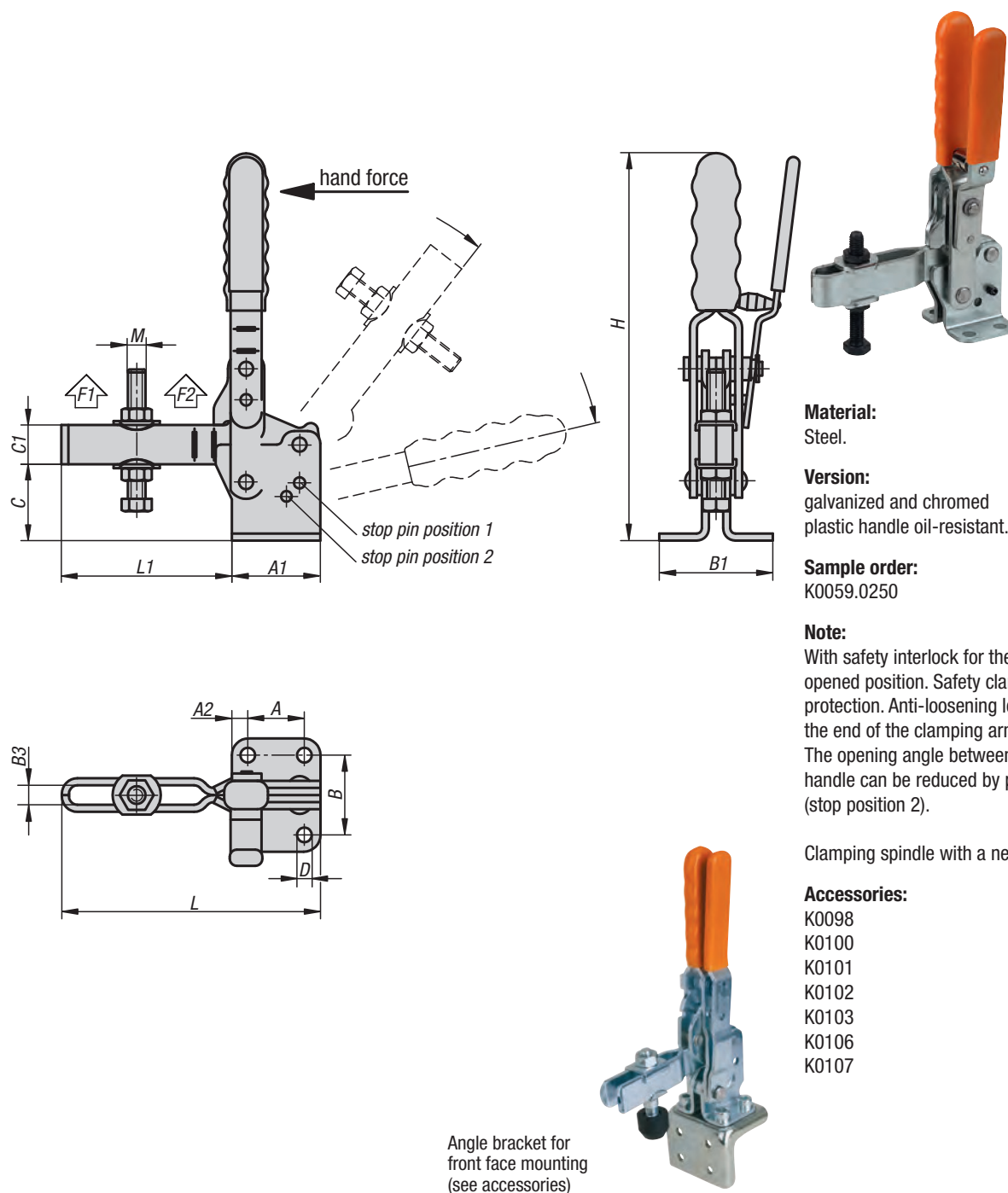
| Order No.   | Version         | Opening angle<br>holding arm<br>position 1 | Opening angle<br>holding arm<br>position 2 | Opening angle<br>holding arm<br>stop pin removed | Opening angle<br>handle<br>position 1 | Opening angle<br>handle<br>position 2 | Opening angle<br>handle<br>stop pin removed | Order No.<br>Angle bracket | Matching<br>plastic grip |
|-------------|-----------------|--------------------------------------------|--------------------------------------------|--------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------------|----------------------------|--------------------------|
| K0058.0075  | steel           | 130°                                       | -                                          | 160°                                             | 90°                                   | -                                     | 100°                                        | K0098.02                   | K0100.16                 |
| K0058.0100  | steel           | 95°                                        | -                                          | 185°                                             | 65°                                   | -                                     | 105°                                        | -                          | K0100.16                 |
| K0058.0150  | steel           | 95°                                        | -                                          | 185°                                             | 75°                                   | -                                     | 110°                                        | K0098.02                   | K0100.19                 |
| K0058.0200  | steel           | 105°                                       | -                                          | 175°                                             | 70°                                   | -                                     | 95°                                         | -                          | K0100.22                 |
| K0058.0250  | steel           | 95°                                        | 125°                                       | 160°                                             | 70°                                   | 85°                                   | 100°                                        | K0098.04                   | K0100.28                 |
| K0058.0300  | steel           | 105°                                       | -                                          | 160°                                             | 65°                                   | -                                     | 90°                                         | -                          | K0100.28                 |
| K0058.0350  | steel           | 90°                                        | 120°                                       | 180°                                             | 70°                                   | 80°                                   | 110°                                        | K0098.06                   | K0100.30                 |
| K0058.0450  | steel           | 90°                                        | 125°                                       | 180°                                             | 70°                                   | 85°                                   | 110°                                        | K0098.06                   | K0100.34                 |
| K0058.0550  | steel           | 90°                                        | 120°                                       | 180°                                             | 65°                                   | 80°                                   | 110°                                        | -                          | K0100.35                 |
| K0058.0075N | stainless steel | 130°                                       | -                                          | 160°                                             | 90°                                   | -                                     | 100°                                        | -                          | K0100.16                 |
| K0058.0150N | stainless steel | 95°                                        | -                                          | 185°                                             | 75°                                   | -                                     | 110°                                        | -                          | K0100.19                 |
| K0058.0250N | stainless steel | 95°                                        | 125°                                       | 160°                                             | 70°                                   | 85°                                   | 100°                                        | -                          | K0100.28                 |

| Order No.   | Version         | A    | A1 | A2   | A3   | B    | B1 | B3   | B4   | C  | C1   | D    | H   | L   | L1  | M       | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|-------------|-----------------|------|----|------|------|------|----|------|------|----|------|------|-----|-----|-----|---------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0058.0075  | steel           | 16   | 25 | 5    | -    | 24   | 34 | 5,5  | -    | 16 | 9    | 4,4  | 94  | 57  | 32  | M5x35   | 80              | 700                        | 1100                       | 500                       | 750                       |
| K0058.0100  | steel           | 16   | 29 | 6    | 14   | 24   | 34 | 5,5  | 17,5 | 22 | 9,5  | 4,8  | 98  | 67  | 38  | M5x35   | 80              | 700                        | 1000                       | 500                       | 800                       |
| K0058.0150  | steel           | 12,7 | 27 | 7    | -    | 27   | 38 | 6,4  | -    | 23 | 11   | 5,1  | 121 | 70  | 43  | M6x50   | 120             | 1350                       | 1650                       | 800                       | 1050                      |
| K0058.0200  | steel           | 19   | 35 | 8    | 12,7 | 27   | 42 | 6,3  | 25   | 30 | 12,7 | 5,5  | 135 | 79  | 44  | M6x50   | 100             | 1000                       | 2200                       | 950                       | 1350                      |
| K0058.0250  | steel           | 19   | 35 | 8    | -    | 32   | 45 | 8,8  | -    | 32 | 17,5 | 7,1  | 175 | 110 | 75  | M8x60   | 190             | 1000                       | 2800                       | 900                       | 1700                      |
| K0058.0300  | steel           | 25   | 43 | 9    | 19   | 34,5 | 53 | 8,8  | -    | 34 | 19   | 8    | 186 | 143 | 100 | M8x60   | 130             | 2000                       | 3700                       | 900                       | 1850                      |
| K0058.0350  | steel           | 32   | 50 | 9    | -    | 45   | 64 | 10,6 | -    | 43 | 22   | 8,3  | 220 | 145 | 95  | M10x80  | 230             | 2200                       | 4500                       | 1400                      | 3000                      |
| K0058.0450  | steel           | 32   | 53 | 10   | -    | 45   | 64 | 12,7 | -    | 51 | 25   | 8,7  | 228 | 177 | 124 | M12x100 | 260             | 3200                       | 7000                       | 1400                      | 3000                      |
| K0058.0550  | steel           | 51   | 76 | 12,5 | -    | 70   | 95 | 16,5 | -    | 84 | 32   | 12,3 | 312 | 232 | 156 | M16x150 | 290             | 3000                       | 8000                       | 1800                      | 3900                      |
| K0058.0075N | stainless steel | 16   | 25 | 5    | -    | 24   | 34 | 5,5  | -    | 16 | 9    | 4,4  | 94  | 57  | 32  | M5x35   | 80              | 700                        | 1100                       | 500                       | 750                       |
| K0058.0150N | stainless steel | 12,7 | 27 | 7    | -    | 27   | 38 | 6,4  | -    | 23 | 11   | 5,1  | 121 | 70  | 43  | M6x50   | 120             | 1350                       | 1650                       | 800                       | 1050                      |
| K0058.0250N | stainless steel | 19   | 35 | 8    | -    | 32   | 45 | 8,8  | -    | 32 | 17,5 | 7,1  | 175 | 110 | 75  | M8x60   | 190             | 1000                       | 2800                       | 900                       | 1700                      |



# Toggle clamps vertical with safety interlock

with flat foot and adjustable clamping spindle

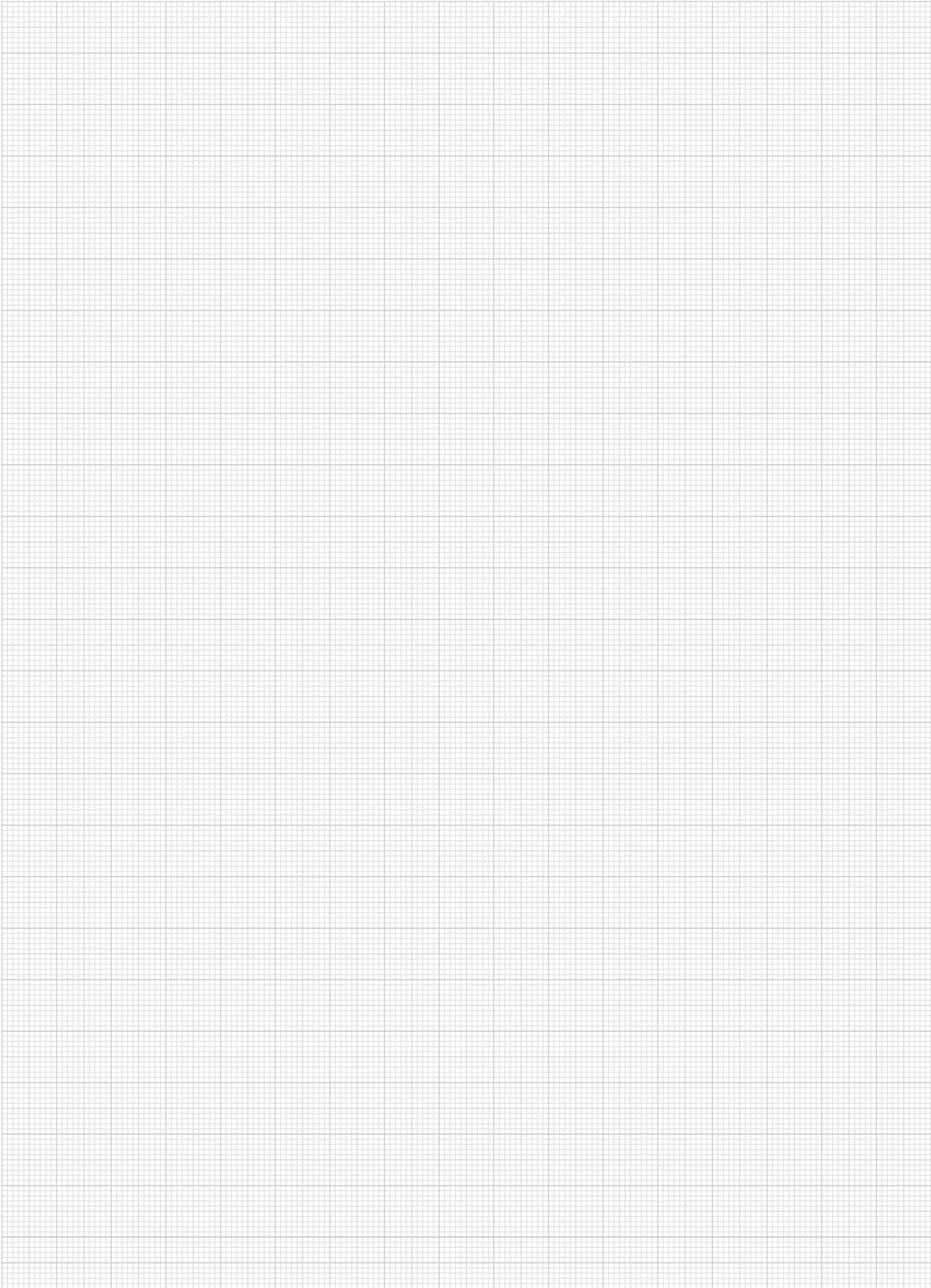


## KIPP Toggle clamps vertical with safety interlock with flat foot and adjustable clamping spindle

| Order No.  | Opening angle<br>holding arm<br>position 1 | Opening angle<br>holding arm<br>position 2 | Opening angle<br>handle<br>position 1 | Opening angle<br>handle<br>position 2 | Order No.<br>Angle bracket |
|------------|--------------------------------------------|--------------------------------------------|---------------------------------------|---------------------------------------|----------------------------|
| K0059.0250 | 95°                                        | 125°                                       | 70°                                   | 85°                                   | K0098.04                   |
| K0059.0350 | 90°                                        | 120°                                       | 70°                                   | 80°                                   | K0098.06                   |

| Order No.  | A  | A1 | A2 | B  | B1 | B3   | C  | C1   | D   | H   | L   | L1 | M      | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N |
|------------|----|----|----|----|----|------|----|------|-----|-----|-----|----|--------|-----------------|----------------------------|----------------------------|
| K0059.0250 | 19 | 35 | 8  | 32 | 45 | 8,8  | 32 | 17,5 | 7,1 | 175 | 110 | 75 | M8x60  | 190             | 1000                       | 2800                       |
| K0059.0350 | 32 | 50 | 9  | 45 | 64 | 10,6 | 43 | 22   | 8,3 | 220 | 146 | 95 | M10x80 | 230             | 2200                       | 4500                       |





# Toggle clamps vertical

with flat foot and fixed clamping spindle


**Material:**

Steel.

**Version:**

Galvanized and chromated, clamping spindle and nuts phosphated, plastic handle oil-resistant

**Sample order:**

K0060.0250

**Note:**

The opening angle between the holding arm and the handle can be reduced or increased by repositioning or removing the stop pin.

A neoprene pressure pad is supplied with version K0060.0100 and K0060.0150.

**Accessories:**

K0098

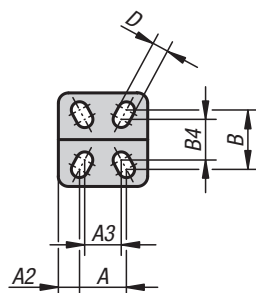
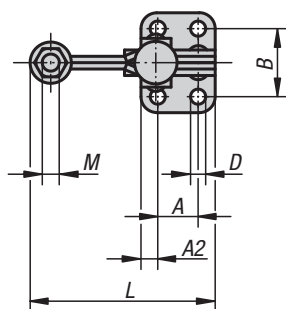
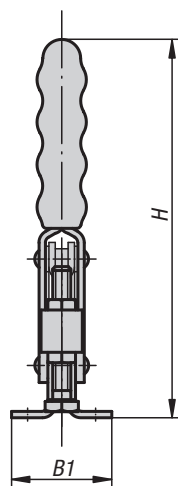
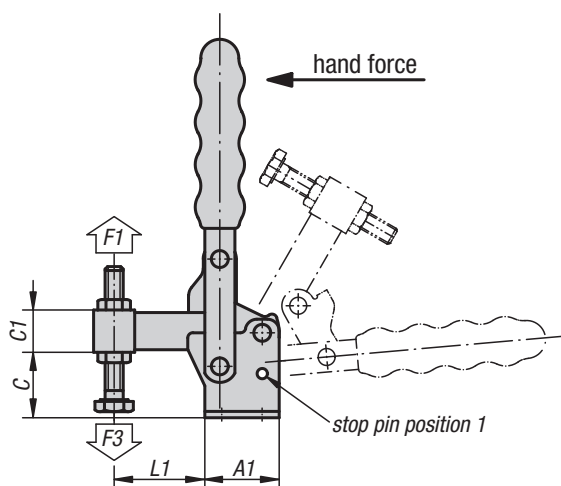
K0100

K0101

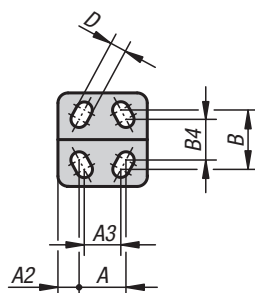
K0102

K0103

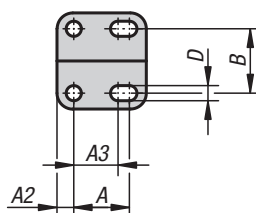
K0106



hole arrangement for  
Order No. K0060.0100



hole arrangement for  
Order No. K0060.0200



hole arrangement for  
Order No. K0060.0300

# Toggle clamps vertical

with flat foot and fixed clamping spindle



Angle bracket for  
front face mounting  
(see accessories)



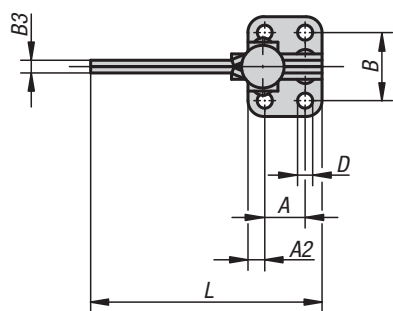
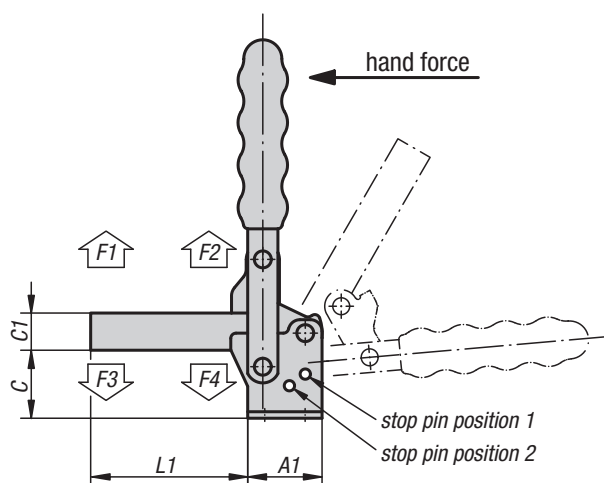
## KIPP Toggle clamps vertical with flat foot and fixed clamping spindle

| Order No.  | Opening angle<br>holding arm<br>position 1 | Opening angle<br>holding arm<br>stop pin removed | Opening angle<br>handle<br>position 1 | Opening angle<br>handle<br>stop pin removed | Hand force<br>N | Retaining<br>force F1<br>N | Clamping force<br>F3<br>N | Matching<br>plastic grip |
|------------|--------------------------------------------|--------------------------------------------------|---------------------------------------|---------------------------------------------|-----------------|----------------------------|---------------------------|--------------------------|
| K0060.0100 | 95°                                        | 185°                                             | 65°                                   | 105°                                        | 80              | 850                        | 650                       | K0100.16                 |
| K0060.0150 | 95°                                        | 185°                                             | 75°                                   | 110°                                        | 120             | 1500                       | 900                       | K0100.19                 |
| K0060.0200 | 105°                                       | 175°                                             | 70°                                   | 95°                                         | 100             | 1600                       | 1150                      | K0100.22                 |
| K0060.0250 | 95°                                        | 160°                                             | 70°                                   | 100°                                        | 190             | 2500                       | 1150                      | K0100.28                 |
| K0060.0300 | 105°                                       | 160°                                             | 65°                                   | 90°                                         | 130             | 3000                       | 1150                      | K0100.28                 |
| K0060.0350 | 90°                                        | 180°                                             | 70°                                   | 110°                                        | 230             | 3500                       | 1650                      | K0100.30                 |
| K0060.0450 | 90°                                        | 180°                                             | 70°                                   | 110°                                        | 260             | 4500                       | 1650                      | K0100.34                 |
| K0060.0550 | 90°                                        | 180°                                             | 65°                                   | 110°                                        | 290             | 5500                       | 1900                      | K0100.35                 |

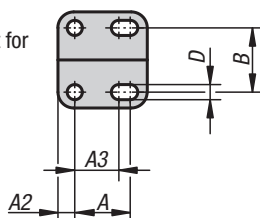
| Order No.  | A    | A1 | A2   | A3   | B    | B1 | B4   | C  | C1   | D    | H   | L     | L1  | M       | Order No.<br>Angle bracket |
|------------|------|----|------|------|------|----|------|----|------|------|-----|-------|-----|---------|----------------------------|
| K0060.0100 | 16   | 28 | 6    | 14   | 24   | 34 | 17,5 | 22 | 9,5  | 4,8  | 103 | 65    | 32  | M5x35   | -                          |
| K0060.0150 | 12,7 | 27 | 7    | -    | 27   | 38 | -    | 23 | 11   | 5,1  | 125 | 60    | 26  | M6x50   | K0098.02                   |
| K0060.0200 | 19   | 35 | 8    | 12,7 | 27   | 42 | 25   | 29 | 12,7 | 5,5  | 135 | 77    | 37  | M6x50   | -                          |
| K0060.0250 | 19   | 35 | 8    | -    | 32   | 47 | -    | 29 | 21,5 | 7,1  | 175 | 87    | 45  | M8x60   | K0098.04                   |
| K0060.0300 | 25   | 43 | 9    | 19   | 34,5 | 52 | -    | 32 | 21,5 | 8    | 186 | 115   | 65  | M8x60   | -                          |
| K0060.0350 | 32   | 50 | 9    | -    | 45   | 64 | -    | 40 | 25,5 | 8,3  | 220 | 123   | 65  | M10x80  | K0098.06                   |
| K0060.0450 | 32   | 53 | 10   | -    | 45   | 64 | -    | 47 | 30   | 8,7  | 228 | 136,5 | 74  | M12x100 | K0098.06                   |
| K0060.0550 | 51   | 76 | 12,5 | -    | 70   | 95 | -    | 81 | 38   | 12,3 | 312 | 196,5 | 108 | M16x150 | -                          |

# Toggle clamps vertical

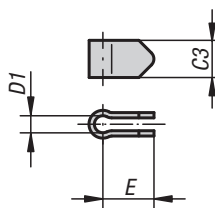
with flat foot and full holding arm



hole arrangement for  
Order No.  
K0061.0300



spindle bracket  
is weldable



**Material:**  
Steel.

**Version:**  
Galvanized and chromated, plastic handle oil-resistant

**Sample order:**  
K0061.0550

**Note:**  
The opening angle between the holding arm and the handle can be reduced or increased by repositioning or removing the stop pin.

**Accessories:**  
K0098  
K0100  
K0101  
K0102  
K0103  
K0106



Angle bracket for  
front face mounting  
(see accessories)

## KIPP Toggle clamps vertical with flat foot and full holding arm

| Order No.  | Opening angle<br>holding arm<br>position 1 | Opening angle<br>holding arm<br>position 2 | Opening angle<br>holding arm<br>stop pin removed | Opening angle<br>handle<br>position 1 | Opening angle<br>handle<br>position 2 | Opening angle<br>handle<br>stop pin removed | Order No.<br>Angle bracket | Matching<br>plastic grip |
|------------|--------------------------------------------|--------------------------------------------|--------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------------|----------------------------|--------------------------|
| K0061.0250 | 95°                                        | 125°                                       | 160°                                             | 70°                                   | 85°                                   | 100°                                        | K0098.04                   | K0100.28                 |
| K0061.0300 | 105°                                       | -                                          | 160°                                             | 65°                                   | -                                     | 90°                                         | -                          | K0100.28                 |
| K0061.0350 | 90°                                        | 120°                                       | 180°                                             | 70°                                   | 80°                                   | 110°                                        | K0098.06                   | K0100.30                 |
| K0061.0450 | 90°                                        | 125°                                       | 180°                                             | 70°                                   | 85°                                   | 110°                                        | K0098.06                   | K0100.34                 |
| K0061.0550 | 90°                                        | 120°                                       | 180°                                             | 65°                                   | 80°                                   | 110°                                        | -                          | K0100.35                 |

| Order No.  | A  | A1 | A2   | A3 | B    | B1 | B3 | C  | C1   | C3   | D    | D1   | E  | H   | L   | L1  | Clamping<br>spindle | Hand<br>force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|------------|----|----|------|----|------|----|----|----|------|------|------|------|----|-----|-----|-----|---------------------|--------------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0061.0250 | 19 | 35 | 8    | -  | 32   | 47 | 6  | 31 | 17,5 | 17,5 | 7,1  | 8,3  | 24 | 175 | 112 | 77  | M8x60               | 190                | 1000                       | 2800                       | 900                       | 1700                      |
| K0061.0300 | 25 | 43 | 9    | 19 | 34,5 | 52 | 6  | 34 | 19   | 17,5 | 8    | 8,3  | 24 | 186 | 143 | 100 | M8x60               | 130                | 2000                       | 3700                       | 900                       | 1850                      |
| K0061.0350 | 32 | 50 | 9    | -  | 45   | 64 | 8  | 42 | 22   | 22   | 8,3  | 10,3 | 30 | 220 | 149 | 99  | M10x80              | 230                | 2200                       | 4500                       | 1400                      | 3000                      |
| K0061.0450 | 32 | 53 | 10   | -  | 45   | 64 | 10 | 51 | 25   | 26   | 8,7  | 12,3 | 32 | 228 | 180 | 127 | M12x100             | 260                | 3200                       | 7000                       | 1400                      | 3000                      |
| K0061.0550 | 51 | 76 | 12,5 | -  | 70   | 95 | 10 | 84 | 32   | 32   | 12,3 | 16,3 | 35 | 312 | 236 | 160 | M16x150             | 290                | 3000                       | 8000                       | 1800                      | 3900                      |

# Toggle clamps vertical

with angled foot and adjustable clamping spindle



**Material:**  
Steel.

**Version:**  
Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

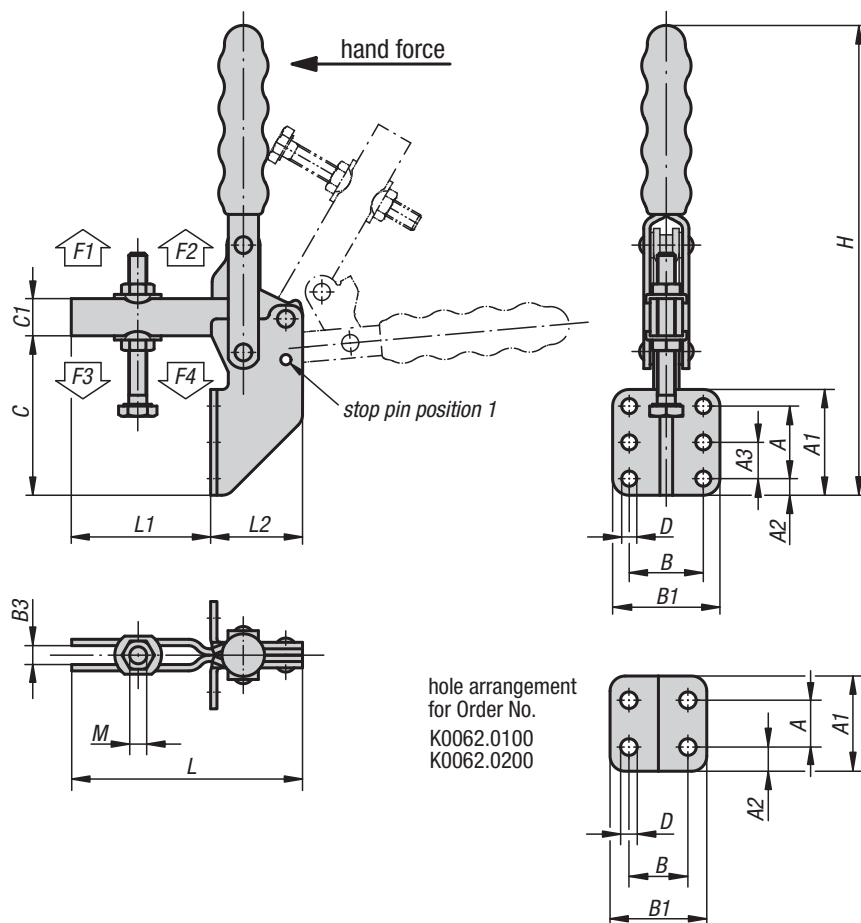
**Sample order:**  
K0062.0200

**Note:**  
The opening angle between the holding arm and the handle can be reduced or increased by repositioning or removing the stop pin.

A neoprene pressure pad is supplied with version K0062.0100.

**Accessories:**

K0100  
K0101  
K0102  
K0103  
K0106  
K0107



hole arrangement  
for Order No.  
K0062.0100  
K0062.0200

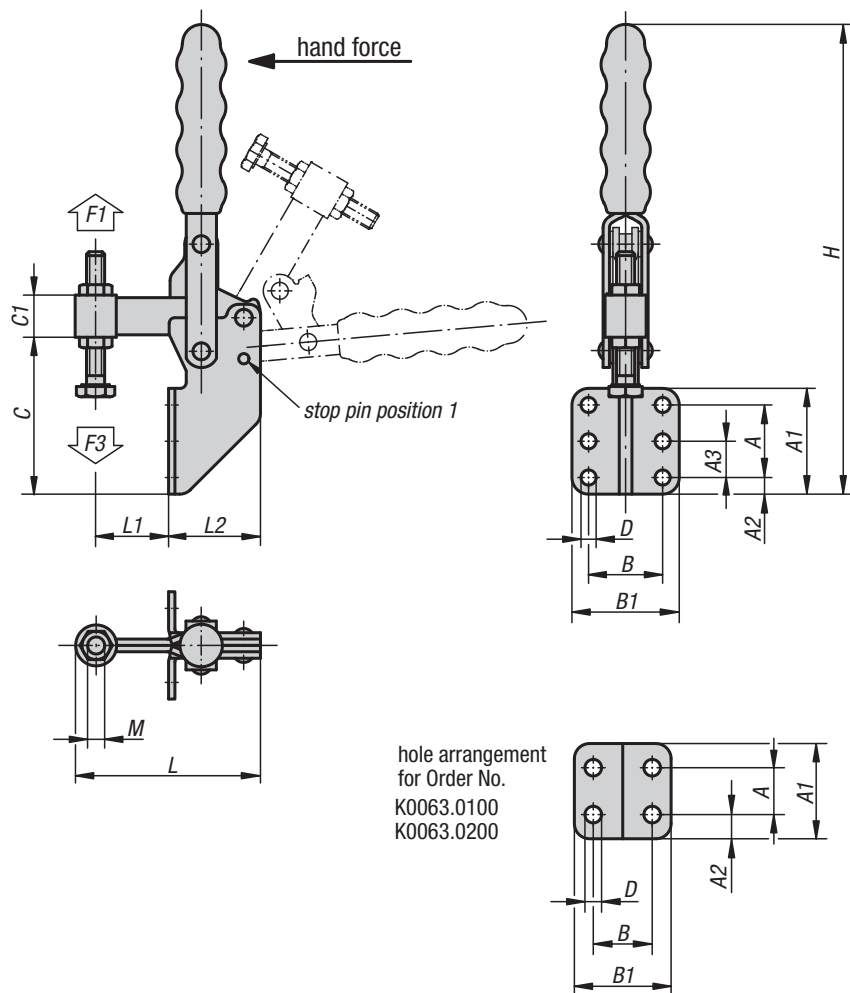
## KIPP Toggle clamps vertical with angled foot and adjustable clamping spindle

| Order No.  | Opening angle<br>holding arm<br>position 1 | Opening angle<br>holding arm<br>stop pin removed | Opening angle<br>handle<br>position 1 | Opening angle<br>handle<br>stop pin removed | Matching<br>plastic grip |
|------------|--------------------------------------------|--------------------------------------------------|---------------------------------------|---------------------------------------------|--------------------------|
| K0062.0100 | 80°                                        | 190°                                             | 60°                                   | 100°                                        | K0100.16                 |
| K0062.0200 | 105°                                       | 175°                                             | 70°                                   | 95°                                         | K0100.22                 |
| K0062.0300 | 105°                                       | 160°                                             | 65°                                   | 90°                                         | K0100.28                 |

| Order No.  | A  | A1 | A2  | A3 | B    | B1 | B3  | C  | C1   | D   | H   | L   | L1 | L2 | M     | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|------------|----|----|-----|----|------|----|-----|----|------|-----|-----|-----|----|----|-------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0062.0100 | 14 | 29 | 7,5 | -  | 17,5 | 28 | 5,5 | 44 | 9,5  | 4,8 | 122 | 67  | 31 | 36 | M5x35 | 80              | 700                        | 1000                       | 500                       | 800                       |
| K0062.0200 | 19 | 35 | 8   | -  | 26   | 42 | 6,3 | 64 | 12,7 | 5,5 | 170 | 79  | 35 | 44 | M6x50 | 100             | 1000                       | 2200                       | 950                       | 1350                      |
| K0062.0300 | 35 | 51 | 8   | 16 | 35   | 51 | 8,8 | 82 | 19   | 6,8 | 235 | 143 | 92 | 51 | M8x60 | 130             | 2000                       | 3700                       | 900                       | 1850                      |

# Toggle clamps vertical

with angled foot and fixed clamping spindle



**Material:**  
Steel.

**Version:**  
Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**  
K0063.0100

**Note:**  
The opening angle between the holding arm and the handle can be reduced or increased by repositioning or removing the stop pin.

A neoprene pressure pad is supplied with version K0063.0100.

**Accessories:**  
K0100  
K0101  
K0102  
K0103  
K0106

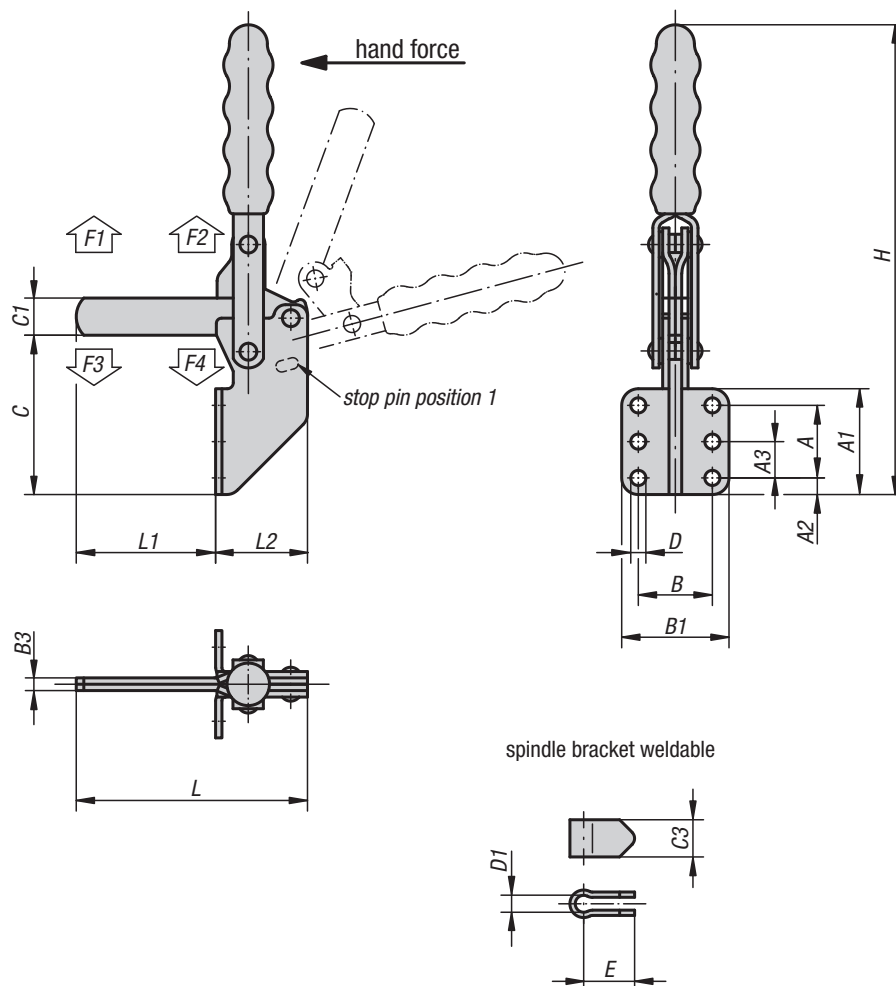
## KIPP Toggle clamps vertical with angled foot and fixed clamping spindle

| Order No.  | Opening angle<br>holding arm<br>position 1 | Opening angle<br>holding arm<br>stop pin removed | Opening angle<br>handle<br>position 1 | Opening angle<br>handle<br>stop pin removed | Matching<br>plastic grip |
|------------|--------------------------------------------|--------------------------------------------------|---------------------------------------|---------------------------------------------|--------------------------|
| K0063.0100 | 80°                                        | 190°                                             | 60°                                   | 100°                                        | K0100.16                 |
| K0063.0200 | 105°                                       | 175°                                             | 70°                                   | 95°                                         | K0100.22                 |
| K0063.0300 | 105°                                       | 160°                                             | 65°                                   | 90°                                         | K0100.28                 |

| Order No.  | A  | A1 | A2 | A3 | B    | B1 | C  | C1   | D   | H   | L   | L1   | L2 | M     | Hand force<br>N | Retaining<br>force<br>F1 N | Clamping<br>force<br>F3 N |
|------------|----|----|----|----|------|----|----|------|-----|-----|-----|------|----|-------|-----------------|----------------------------|---------------------------|
| K0063.0100 | 14 | 29 | 7  | -  | 17,5 | 28 | 44 | 9,5  | 4,8 | 122 | 66  | 24,5 | 36 | M5x35 | 80              | 850                        | 650                       |
| K0063.0200 | 19 | 35 | 8  | -  | 25   | 41 | 64 | 12,7 | 5,5 | 170 | 77  | 27   | 44 | M6x50 | 100             | 1600                       | 1150                      |
| K0063.0300 | 35 | 51 | 8  | 16 | 35   | 51 | 81 | 21,5 | 6,8 | 235 | 116 | 58   | 51 | M8x60 | 130             | 3000                       | 1150                      |

# Toggle clamps vertical

with angled foot and full holding arm



**Material:**  
Steel.

**Version:**  
Galvanized and chromated, plastic handle oil-resistant

**Sample order:**  
K0064.0300

**Note:**  
The opening angle between the holding arm and the handle can be reduced or increased by repositioning or removing the stop pin.

**Accessories:**  
K0100  
K0101  
K0102  
K0103  
K0106

## KIPP Toggle clamps vertical with angled foot and full holding arm

| Order No.  | Opening angle<br>holding arm<br>position 1 | Opening angle<br>holding arm<br>stop pin removed | Opening angle<br>handle<br>position 1 | Opening angle<br>handle<br>stop pin removed | Matching<br>plastic grip |
|------------|--------------------------------------------|--------------------------------------------------|---------------------------------------|---------------------------------------------|--------------------------|
| K0064.0300 | 105°                                       | 160°                                             | 65°                                   | 90°                                         | K0100.28                 |

| Order No.  | A  | A1 | A2 | A3 | B  | B1 | B3 | C  | C1 | C3   | D   | D1  | E  | H   | L   | L1 | L2 | Clamping<br>spindle | Hand force<br>N | Retaining<br>force<br>F1 N | Retaining<br>force<br>F2 N | Clamping<br>force<br>F3 N | Clamping<br>force<br>F4 N |
|------------|----|----|----|----|----|----|----|----|----|------|-----|-----|----|-----|-----|----|----|---------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0064.0300 | 35 | 51 | 8  | 16 | 35 | 51 | 6  | 82 | 19 | 17,5 | 6,8 | 8,3 | 24 | 235 | 143 | 92 | 51 | M8x60               | 130             | 2000                       | 3700                       | 900                       | 1850                      |

# Toggle clamps vertical cam

with flat foot



**Material:**  
Steel.

**Version:**  
Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**  
K0065.0075

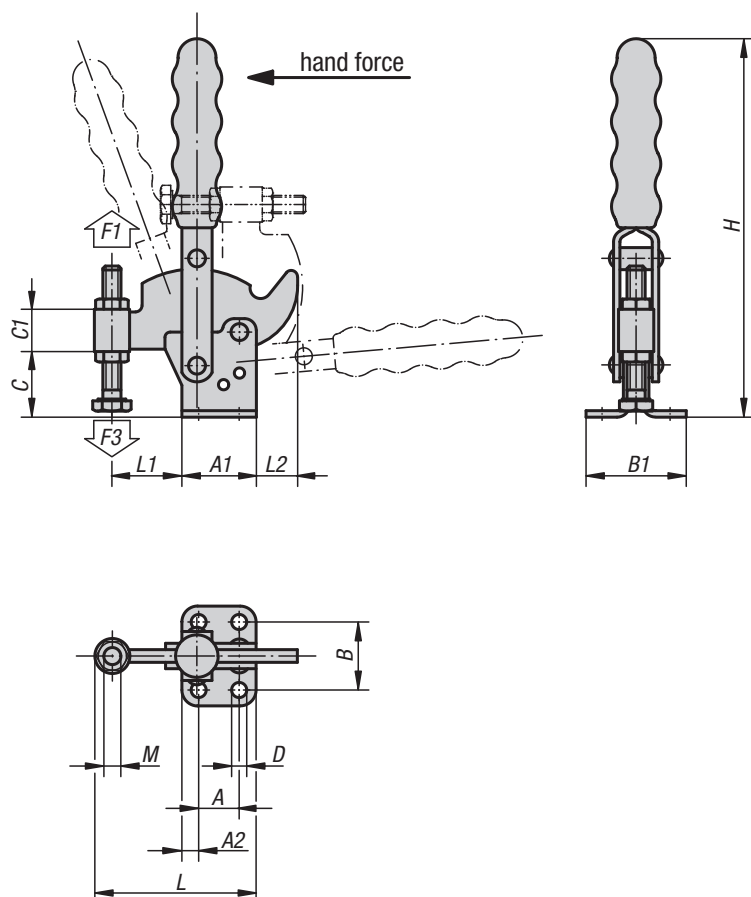
**Note:**  
Cam clamps are ideal for clamping workpieces with a relatively large tolerance such as casting blanks or nonferrous metals.

**Accessories:**

K0098  
K0100  
K0101  
K0102  
K0103  
K0106



Angle bracket for  
front face mounting  
(see accessories)



## KIPP Toggle clamps vertical cam with flat foot

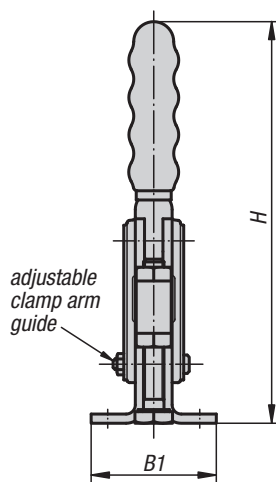
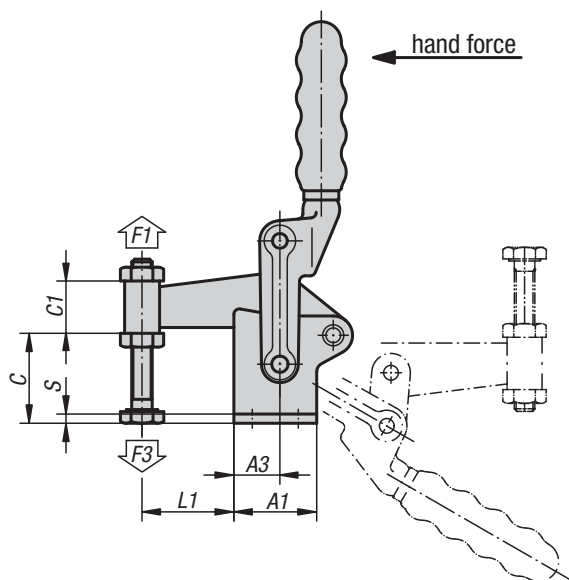
| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Clamping force<br>F3<br>N | Matching<br>plastic grip |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|---------------------------|--------------------------|
| K0065.0075 | 90°                             | 80°                        | 190             | 750                        | 350 - 600                 | K0100.16                 |
| K0065.0250 | 85°                             | 80°                        | 190             | 2500                       | 850 - 1200                | K0100.28                 |
| K0065.0350 | 90°                             | 80°                        | 230             | 3500                       | 950 - 1400                | K0100.30                 |

| Order No.  | A  | A1 | A2 | B  | B1 | C  | C1   | D   | H   | L   | L1 | L2 | M      | Order No.<br>Angle bracket |
|------------|----|----|----|----|----|----|------|-----|-----|-----|----|----|--------|----------------------------|
| K0065.0075 | 16 | 26 | 5  | 24 | 34 | 16 | 9,5  | 4,4 | 93  | 52  | 22 | 7  | M5x35  | K0098.02                   |
| K0065.0250 | 19 | 35 | 8  | 32 | 47 | 30 | 21,5 | 7,1 | 176 | 74  | 32 | 20 | M8x60  | K0098.04                   |
| K0065.0350 | 32 | 50 | 9  | 45 | 64 | 42 | 25,5 | 8,3 | 220 | 116 | 59 | 13 | M10x80 | K0098.06                   |



# Toggle clamps vertical

heavy-duty with fixed clamping spindle



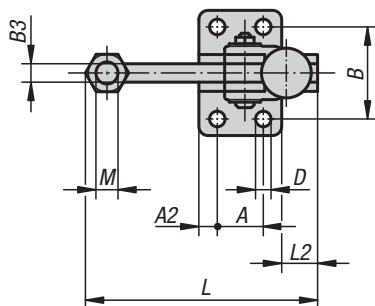
**Material:**  
Steel.

**Version:**  
Black oxidised. Thrust spindle and nuts phosphated.  
Hinge pins and hinge bushes case-hardened.  
Plastic grip oil-resistant.

**Sample order:**  
K0066.2400

**Note:**  
Oil all joints regularly.

**Accessories:**  
K0099  
K0102  
K0103  
K0106



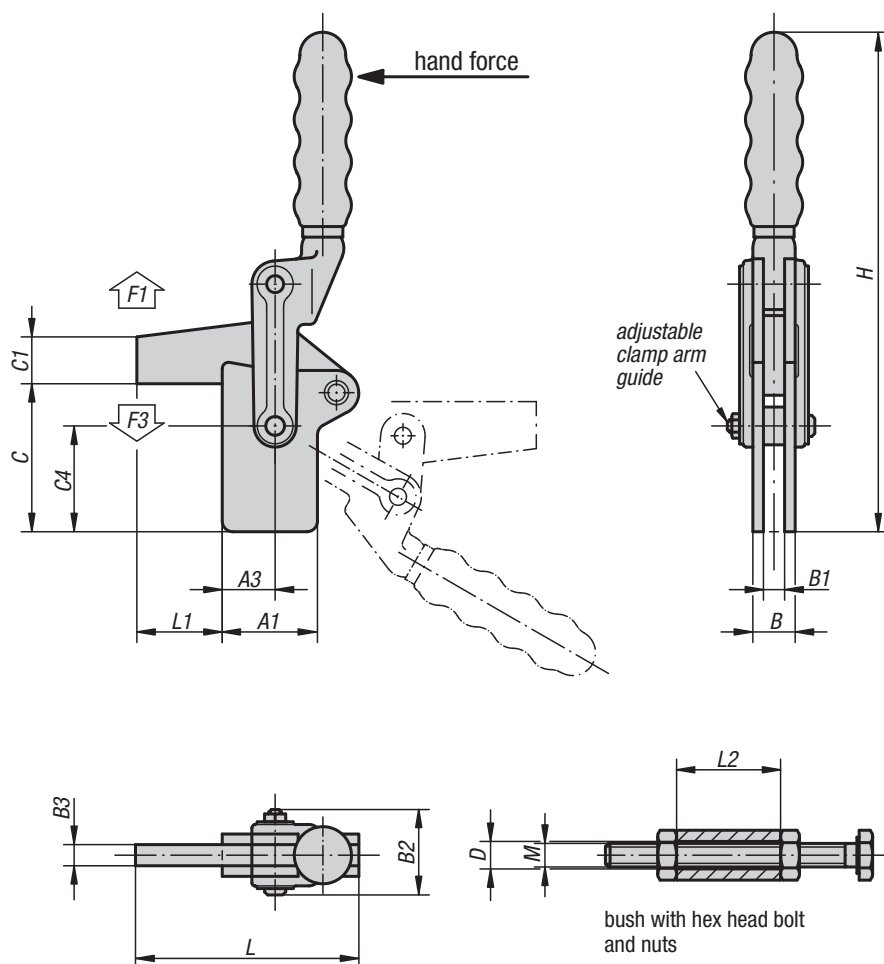
## KIPP Toggle clamps vertical heavy-duty with fixed clamping spindle

| Order No.  | Opening angle of holding arm | Opening angle of handle | Hand force N | Retaining force F1 N | Clamping force F3 N | Matching plastic grip |
|------------|------------------------------|-------------------------|--------------|----------------------|---------------------|-----------------------|
| K0066.0700 | 180°                         | 120°                    | 340          | 6000                 | 1400                | K0099.28              |
| K0066.1200 | 180°                         | 125°                    | 500          | 8000                 | 1400                | K0099.30              |
| K0066.2400 | 195°                         | 130°                    | 500          | 15000                | 1850                | K0099.33              |

| Order No.  | A  | A1 | A2 | A3 | B  | B1   | B3 | C  | C1 | D    | H   | L   | L1 | L2 | M       | S |
|------------|----|----|----|----|----|------|----|----|----|------|-----|-----|----|----|---------|---|
| K0066.0700 | 25 | 45 | 10 | 25 | 50 | 68   | 10 | 45 | 30 | 8,3  | 215 | 124 | 50 | 20 | M12x100 | 5 |
| K0066.1200 | 30 | 51 | 10 | 25 | 60 | 86,5 | 12 | 58 | 30 | 8,3  | 250 | 144 | 60 | 23 | M12x100 | 6 |
| K0066.2400 | 40 | 64 | 12 | 40 | 75 | 103  | 16 | 70 | 38 | 10,3 | 295 | 188 | 75 | 37 | M16x150 | 8 |

# Toggle clamps vertical

heavy-duty with full holding arm



**Material:**  
Steel.

**Version:**  
Black oxidised.  
Hinge pins and hinge bushes case-hardened.  
Plastic grip oil-resistant.

**Sample order:**  
K0067.1200

**Note:**  
Oil all joints regularly.

**Accessories:**  
K0099  
K0102  
K0103  
K0106

## KIPP Toggle clamps vertical heavy-duty with full holding arm

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Clamping force<br>F3<br>N | Matching<br>plastic grip |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|---------------------------|--------------------------|
| K0067.0700 | 205°                            | 130°                       | 340             | 7000                       | 1400                      | K0099.28                 |
| K0067.1200 | 195°                            | 130°                       | 500             | 12000                      | 1400                      | K0099.30                 |
| K0067.2400 | 195°                            | 130°                       | 500             | 15000                      | 1850                      | K0099.33                 |

| Order No.  | A1 | A3 | B  | B1 | B2 | B3 | C   | C1 | C4 | D    | H   | L   | L1 | L2 | M       |
|------------|----|----|----|----|----|----|-----|----|----|------|-----|-----|----|----|---------|
| K0067.0700 | 45 | 25 | 20 | 10 | 43 | 10 | 70  | 22 | 50 | 12,2 | 235 | 104 | 40 | 30 | M12x100 |
| K0067.1200 | 51 | 26 | 24 | 12 | 51 | 12 | 88  | 26 | 63 | 12,2 | 276 | 124 | 50 | 30 | M12x100 |
| K0067.2400 | 64 | 40 | 32 | 16 | 64 | 16 | 105 | 32 | 76 | 16,3 | 318 | 162 | 60 | 38 | M16x150 |

# Toggle clamps mini horizontal

with straight foot and adjustable clamping spindle


**Material:**

Steel.

**Version:**

Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**

K0068.0050

**Accessories:**

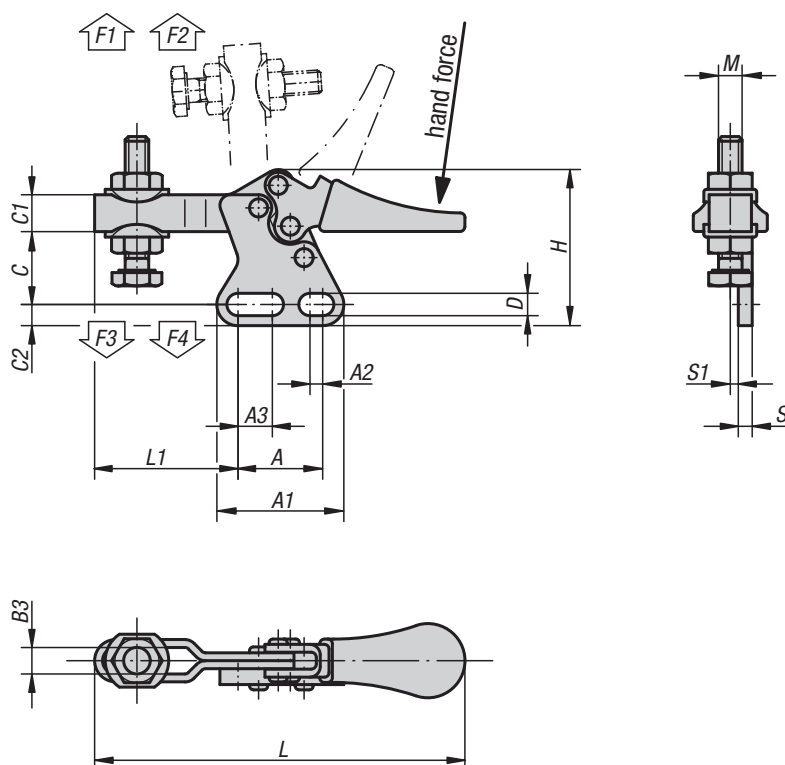
K0101

K0102

K0103

K0106

K0107



## KIPP Toggle clamps mini horizontal with straight foot and adjustable clamping spindle

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Retaining<br>force<br>F2 N | Clamping force<br>F3<br>N | Clamping force<br>F4<br>N |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0068.0050 | 85°                             | 65°                        | 80              | 250                        | 550                        | 170                       | 370                       |

| Order No.  | A  | A1   | A2  | A3  | B3  | C  | C1 | C2 | D   | H  | L  | L1 | M     | S   | S1  |
|------------|----|------|-----|-----|-----|----|----|----|-----|----|----|----|-------|-----|-----|
| K0068.0050 | 16 | 24,5 | 2,4 | 6,5 | 5,2 | 14 | 7  | 4  | 4,2 | 29 | 70 | 27 | M5x20 | 3,2 | 1,5 |

# Toggle clamps mini horizontal

with flat foot and adjustable clamping spindle



## Material:

Steel or stainless steel

## Version:

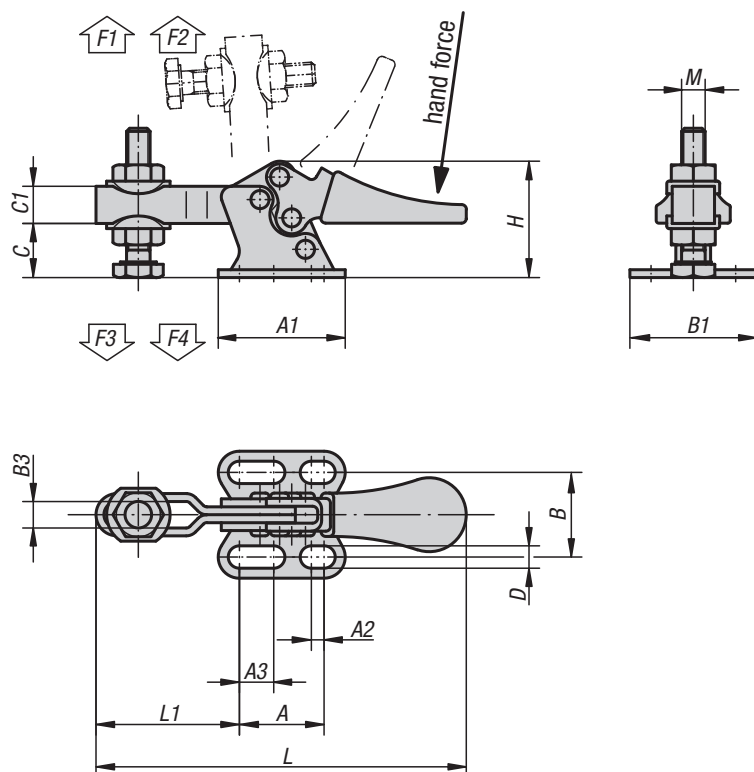
Galvanized and chromed.  
Clamping spindle and nuts phosphated.  
Stainless steel bright.  
Plastic handle oil-resistant.

## Sample order:

K0069.0050

## Accessories:

K0101  
K0102  
K0103  
K0106  
K0107



## KIPP Toggle clamps mini horizontal with flat foot and adjustable clamping spindle

| Order No.   | Version         | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Retaining<br>force<br>F2 N | Clamping force<br>F3<br>N | Clamping force<br>F4<br>N |
|-------------|-----------------|---------------------------------|----------------------------|-----------------|----------------------------|----------------------------|---------------------------|---------------------------|
| K0069.0050  | steel           | 85°                             | 65°                        | 80              | 250                        | 550                        | 170                       | 370                       |
| K0069.0050N | stainless steel | 85°                             | 65°                        | 80              | 250                        | 550                        | 170                       | 370                       |

| Order No.   | Version         | A  | A1 | A2  | A3  | B  | B1 | B3  | C | C1 | D   | H  | L  | L1 | M     |
|-------------|-----------------|----|----|-----|-----|----|----|-----|---|----|-----|----|----|----|-------|
| K0069.0050  | steel           | 16 | 24 | 2,4 | 6,5 | 16 | 24 | 5,2 | 9 | 7  | 4,2 | 22 | 70 | 27 | M5x20 |
| K0069.0050N | stainless steel | 16 | 24 | 2,4 | 6,5 | 16 | 24 | 5,2 | 9 | 7  | 4,2 | 22 | 70 | 27 | M5x20 |

# Toggle clamps mini horizontal

with flat foot and fixed clamping spindle


**Material:**

Steel.

**Version:**

Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**

K0070.0050

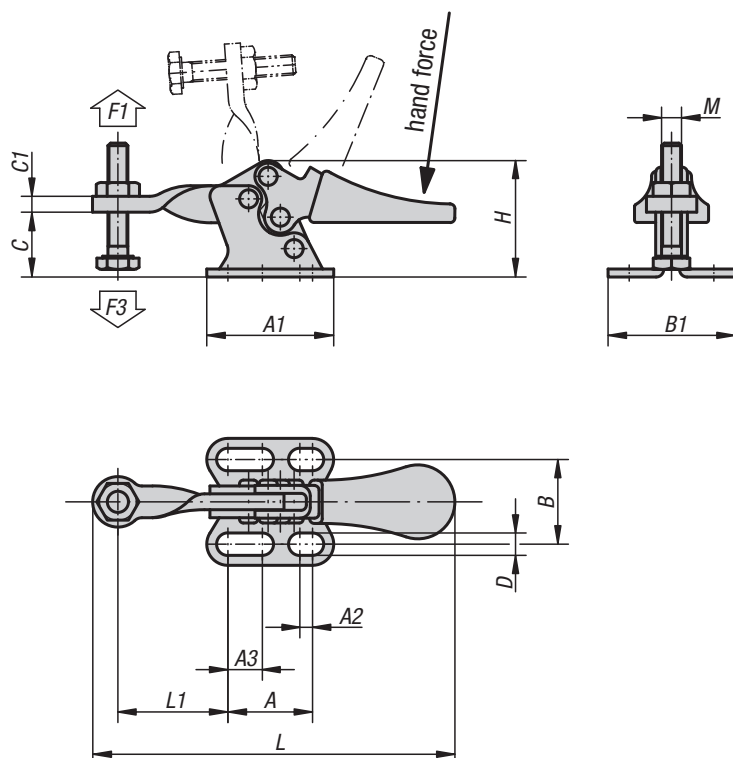
**Accessories:**

K0101

K0102

K0103

K0106



## KIPP Toggle clamps mini horizontal with flat foot and fixed clamping spindle

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Clamping force<br>F3<br>N |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|---------------------------|
| K0070.0050 | 85°                             | 65°                        | 80              | 500                        | 250                       |

| Order No.  | A  | A1 | A2  | A3  | B  | B1 | C  | C1 | D   | H  | L  | L1 | M     |
|------------|----|----|-----|-----|----|----|----|----|-----|----|----|----|-------|
| K0070.0050 | 16 | 24 | 2,4 | 6,5 | 16 | 24 | 11 | 3  | 4,2 | 22 | 70 | 21 | M5x20 |

# Toggle clamps mini horizontal

with flat left foot and adjustable clamping spindle


**Material:**

Steel.

**Version:**

Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**

K0071.0050

**Accessories:**

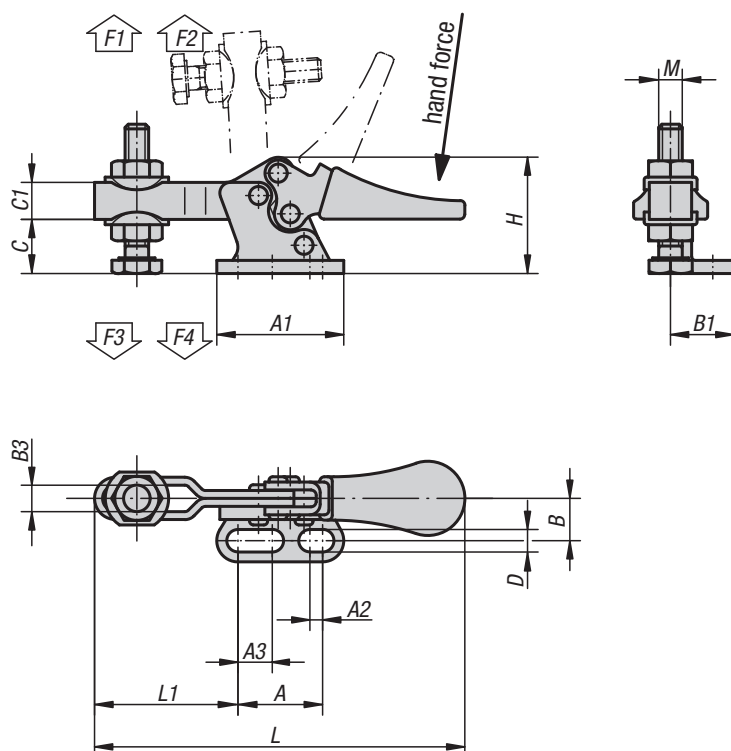
K0101

K0102

K0103

K0106

K0107



## KIPP Toggle clamps mini horizontal with flat left foot and adjustable clamping spindle

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Retaining<br>force F2 N | Clamping force<br>F3<br>N | Clamping force<br>F4<br>N |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|-------------------------|---------------------------|---------------------------|
| K0071.0050 | 85°                             | 65°                        | 80              | 250                        | 550                     | 170                       | 370                       |

| Order No.  | A  | A1 | A2  | A3  | B | B1 | B3  | C   | C1 | D   | H  | L  | L1 | M     |
|------------|----|----|-----|-----|---|----|-----|-----|----|-----|----|----|----|-------|
| K0071.0050 | 16 | 24 | 2,4 | 6,5 | 8 | 12 | 5,2 | 9,5 | 7  | 4,2 | 22 | 70 | 27 | M5x20 |

# Toggle clamps mini horizontal

with flat right foot and adjustable clamping spindle


**Material:**

Steel.

**Version:**

Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**

K0267.0050

**Accessories:**

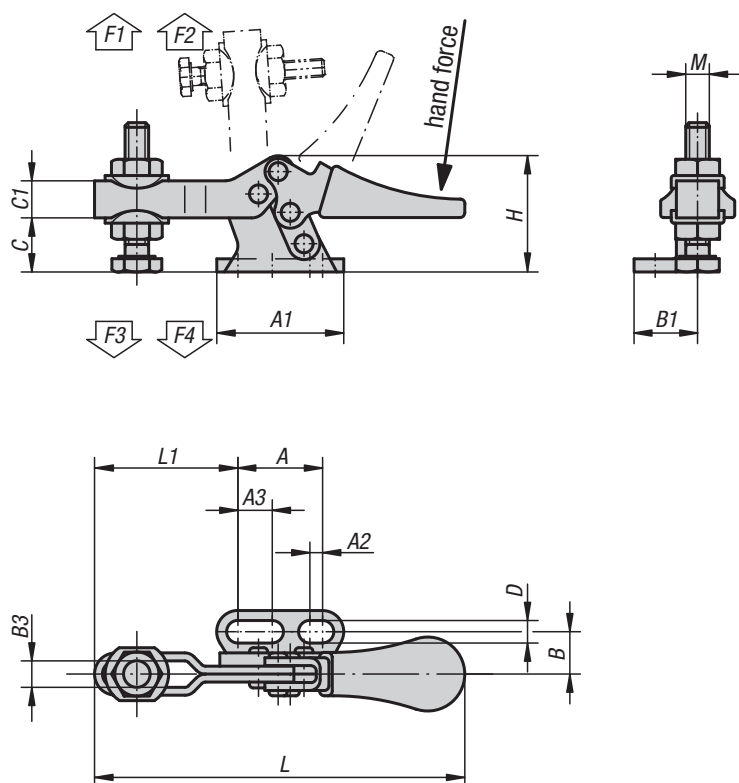
K0101

K0102

K0103

K0106

K0107



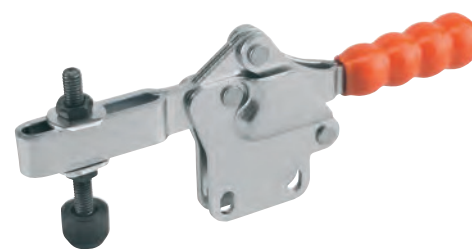
## KIPP Toggle clamps mini horizontal with flat right foot and adjustable clamping spindle

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Retaining<br>force F2 N | Clamping force<br>F3<br>N | Clamping force<br>F4<br>N |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|-------------------------|---------------------------|---------------------------|
| K0267.0050 | 85°                             | 65°                        | 80              | 250                        | 550                     | 170                       | 370                       |

| Order No.  | A1 | A  | A2  | A3  | B | B1 | B3  | C   | C1 | D   | H  | L  | L1 | M     |
|------------|----|----|-----|-----|---|----|-----|-----|----|-----|----|----|----|-------|
| K0267.0050 | 24 | 16 | 2,4 | 6,5 | 8 | 12 | 5,2 | 9,5 | 7  | 4,2 | 22 | 70 | 27 | M5x20 |

# Toggle clamps horizontal

with straight foot and adjustable clamping spindle



**Material:**  
Steel.

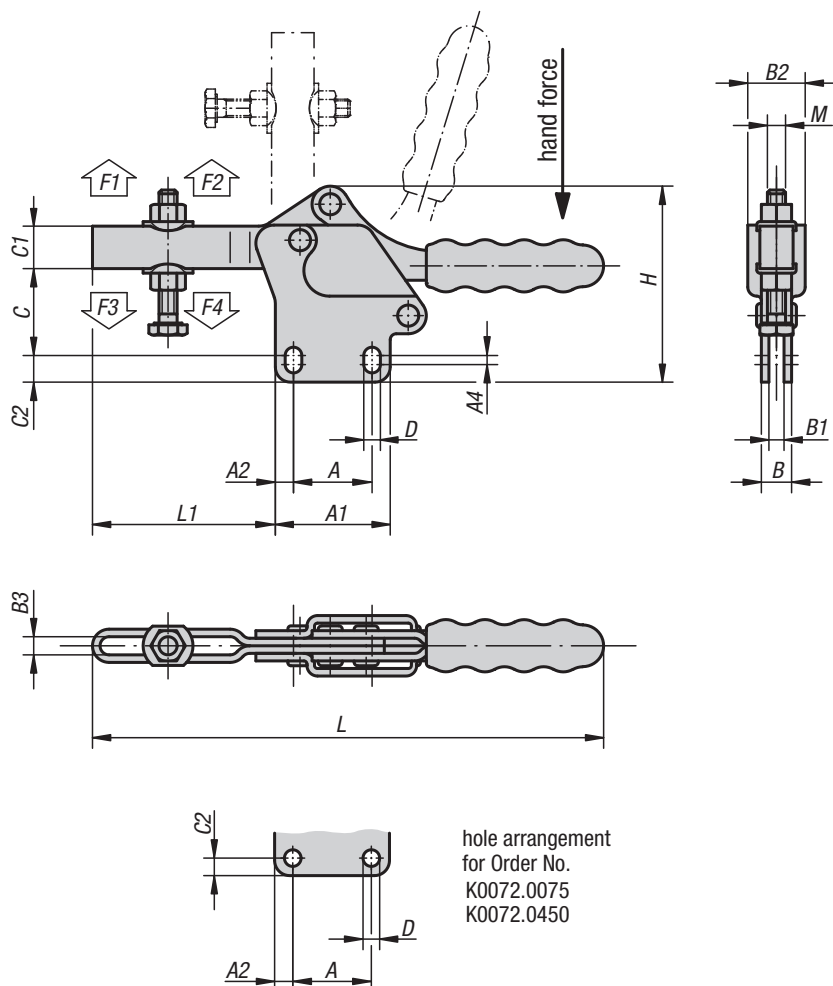
**Version:**  
Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**  
K0072.0450

**Note:**  
A neoprene thrust pad is supplied with versions  
K0072.0075 and K0072.0150.

**Accessories:**

K0100  
K0101  
K0102  
K0103  
K0106  
K0107



## KIPP Toggle clamps horizontal with straight foot and adjustable clamping spindle

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Retaining<br>force F2 N | Clamping force<br>F3<br>N | Clamping force<br>F4<br>N | Matching<br>plastic grip |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|-------------------------|---------------------------|---------------------------|--------------------------|
| K0072.0075 | 90°                             | 75°                        | 80              | 500                        | 1100                    | 250                       | 700                       | K0100.16                 |
| K0072.0150 | 90°                             | 80°                        | 140             | 1200                       | 2600                    | 400                       | 1000                      | K0100.20                 |
| K0072.0250 | 95°                             | 80°                        | 200             | 1500                       | 3500                    | 800                       | 1950                      | K0100.28                 |
| K0072.0350 | 90°                             | 75°                        | 250             | 2500                       | 5500                    | 1150                      | 3100                      | K0100.30                 |
| K0072.0450 | 90°                             | 75°                        | 250             | 3000                       | 6500                    | 1150                      | 3100                      | K0100.34                 |

| Order No.  | A    | A1 | A2  | A4  | B  | B1 | B2 | B3   | C  | C1   | C2 | D   | H     | L   | L1  | M       |
|------------|------|----|-----|-----|----|----|----|------|----|------|----|-----|-------|-----|-----|---------|
| K0072.0075 | 13,5 | 25 | 5,7 | -   | 8  | 4  | 16 | 5,8  | 22 | 9,5  | 5  | 5,2 | 46    | 116 | 37  | M5x35   |
| K0072.0150 | 26   | 38 | 6   | 3   | 10 | 5  | 20 | 6,2  | 28 | 14   | 9  | 5,5 | 66    | 170 | 60  | M6x50   |
| K0072.0250 | 26   | 42 | 8   | 2,6 | 12 | 6  | 23 | 9    | 39 | 17,5 | 10 | 6,6 | 82    | 224 | 79  | M8x60   |
| K0072.0350 | 41,2 | 59 | 9   | 2   | 16 | 8  | 30 | 12   | 54 | 24   | 10 | 8,7 | 109,5 | 274 | 108 | M10x80  |
| K0072.0450 | 41,2 | 67 | 13  | -   | 20 | 10 | 38 | 13,2 | 66 | 27   | 13 | 8,7 | 130   | 305 | 129 | M12x100 |



# Toggle clamps horizontal

with straight foot and full holding arm

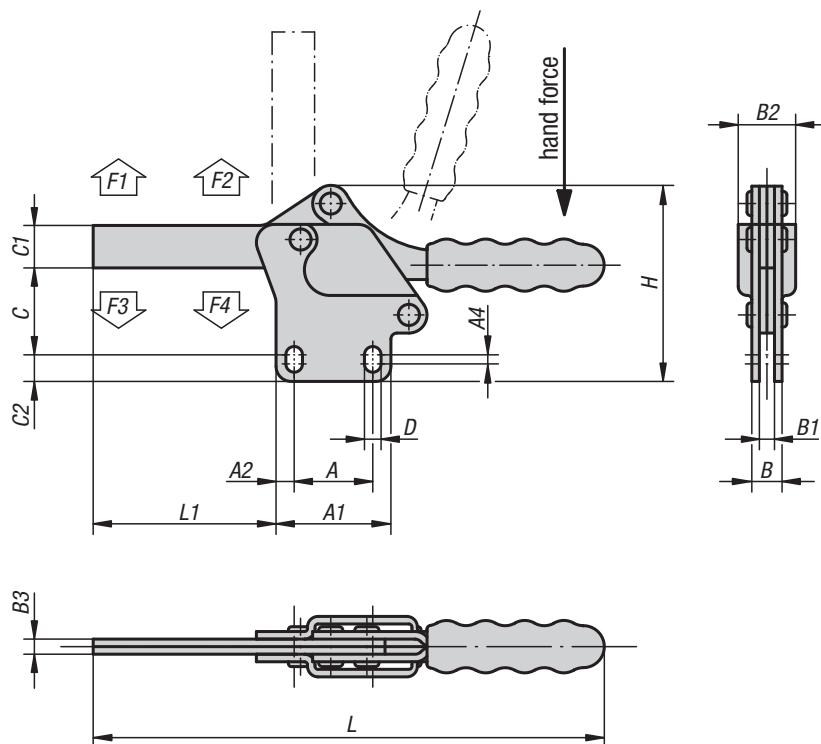


**Material:**  
Steel.

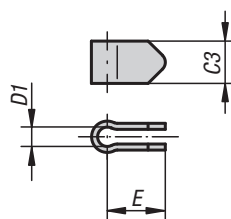
**Version:**  
Galvanized and chromated, plastic handle oil-resistant

**Sample order:**  
K0073.0350

**Accessories:**  
K0100  
K0101  
K0102  
K0103  
K0106



spindle bracket weldable



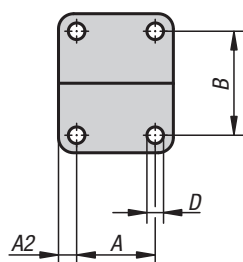
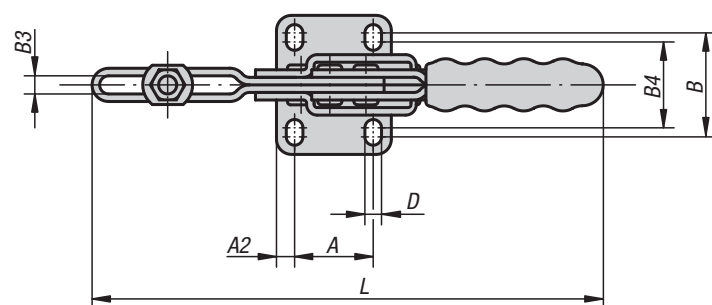
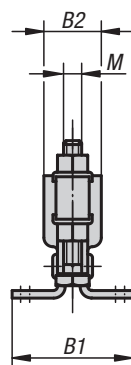
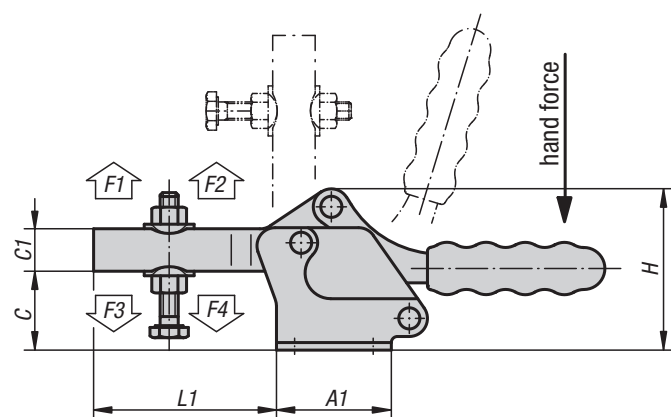
## KIPP Toggle clamps horizontal with straight foot and full holding arm

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Retaining<br>force F2 N | Clamping force<br>F3<br>N | Clamping force<br>F4<br>N | Matching<br>plastic grip |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|-------------------------|---------------------------|---------------------------|--------------------------|
| K0073.0250 | 95°                             | 80°                        | 200             | 1500                       | 3500                    | 800                       | 1950                      | K0100.28                 |
| K0073.0350 | 90°                             | 75°                        | 250             | 2500                       | 5500                    | 1150                      | 3100                      | K0100.30                 |

| Order No.  | A    | A1 | A2 | A4  | B  | B1 | B2 | B3 | C  | C1   | C2 | C3   | D   | D1   | E  | H     | L   | L1  | Clamping<br>spindle |
|------------|------|----|----|-----|----|----|----|----|----|------|----|------|-----|------|----|-------|-----|-----|---------------------|
| K0073.0250 | 26   | 42 | 8  | 2,6 | 12 | 6  | 23 | 6  | 39 | 17,5 | 10 | 17,5 | 6,6 | 8,3  | 24 | 82    | 226 | 82  | M8x60               |
| K0073.0350 | 41,2 | 59 | 9  | 2   | 16 | 8  | 30 | 8  | 54 | 24   | 10 | 22   | 8,7 | 10,3 | 30 | 109,5 | 274 | 110 | M10x80              |

# Toggle clamps horizontal

with flat foot and adjustable clamping spindle



hole arrangement  
for Order No.  
K0074.0075  
K0074.0450



**Material:**  
Steel or stainless steel

**Version:**  
Galvanized and chromed.  
Clamping spindle and nuts phosphated.  
Stainless steel bright.  
Plastic handle oil-resistant.

**Sample order:**  
K0074.0350

**Note:**  
A neoprene thrust pad is supplied with versions  
K0074.0075 and K0074.0150.

An angle bracket cannot be supplied in stainless steel  
with versions K0074.0075N and K0074.0150N.

**Accessories:**  
K0098  
K0100  
K0101  
K0102  
K0103  
K0106  
K0107



Angle bracket for front face  
mounting (see accessories)

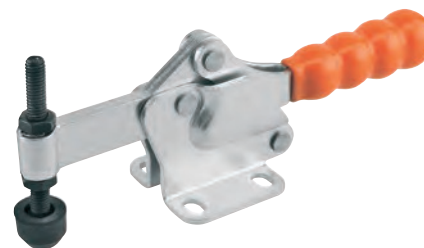
## KIPP Toggle clamps horizontal with flat foot and adjustable clamping spindle

| Order No.   | Version         | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Retaining<br>force F2 N | Clamping force<br>F3<br>N | Clamping force<br>F4<br>N | Matching<br>plastic grip |
|-------------|-----------------|---------------------------------|----------------------------|-----------------|----------------------------|-------------------------|---------------------------|---------------------------|--------------------------|
| K0074.0075  | steel           | 90°                             | 75°                        | 80              | 500                        | 1100                    | 250                       | 700                       | K0100.16                 |
| K0074.0150  | steel           | 90°                             | 80°                        | 140             | 1200                       | 2600                    | 400                       | 1000                      | K0100.20                 |
| K0074.0250  | steel           | 95°                             | 80°                        | 200             | 1500                       | 3500                    | 800                       | 1950                      | K0100.28                 |
| K0074.0350  | steel           | 90°                             | 75°                        | 250             | 2500                       | 5500                    | 1150                      | 3100                      | K0100.30                 |
| K0074.0450  | steel           | 90°                             | 75°                        | 250             | 3000                       | 6500                    | 1150                      | 3100                      | K0100.34                 |
| K0074.0075N | stainless steel | 90°                             | 75°                        | 80              | 500                        | 1100                    | 250                       | 700                       | K0100.16                 |
| K0074.0150N | stainless steel | 90°                             | 80°                        | 140             | 1200                       | 2600                    | 400                       | 1000                      | K0100.20                 |

| Order No.   | Version         | A    | A1 | A2  | B    | B1 | B2 | B3   | B4 | C  | C1   | D   | H   | L   | L1  | M       | Order No.<br>Angle bracket |
|-------------|-----------------|------|----|-----|------|----|----|------|----|----|------|-----|-----|-----|-----|---------|----------------------------|
| K0074.0075  | steel           | 13,5 | 25 | 5,7 | 17,4 | 27 | 16 | 5,8  | -  | 19 | 9,5  | 5,2 | 38  | 116 | 37  | M5x35   | K0098.02                   |
| K0074.0150  | steel           | 26   | 38 | 6   | 28   | 40 | 20 | 6,2  | 22 | 24 | 14   | 5,5 | 53  | 170 | 60  | M6x50   | K0098.04                   |
| K0074.0250  | steel           | 26   | 42 | 8   | 31   | 47 | 23 | 8,5  | 26 | 35 | 17,5 | 6,6 | 68  | 224 | 79  | M8x60   | K0098.04                   |
| K0074.0350  | steel           | 41,2 | 59 | 9   | 43   | 59 | 30 | 12   | 39 | 45 | 24   | 8,7 | 91  | 274 | 108 | M10x80  | K0098.06                   |
| K0074.0450  | steel           | 41,2 | 67 | 13  | 41,3 | 67 | 38 | 14,2 | -  | 59 | 27   | 8,7 | 110 | 305 | 128 | M12x100 | K0098.06                   |
| K0074.0075N | stainless steel | 13,5 | 25 | 5,7 | 17,4 | 27 | 16 | 5,8  | -  | 19 | 9,5  | 5,2 | 38  | 116 | 37  | M5x35   | -                          |
| K0074.0150N | stainless steel | 26   | 38 | 6   | 28   | 40 | 20 | 6,2  | 22 | 24 | 14   | 5,5 | 53  | 170 | 60  | M6x50   | -                          |

# Toggle clamps horizontal

with flat foot and fixed clamping spindle



**Material:**  
Steel.

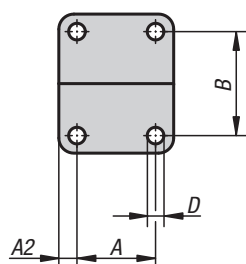
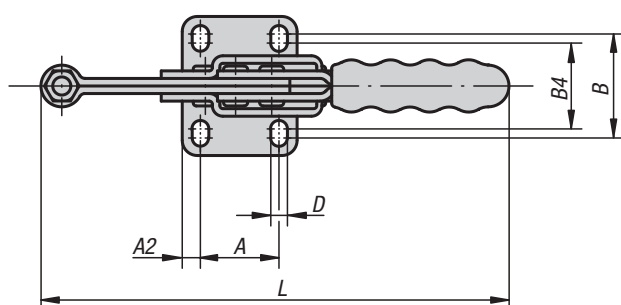
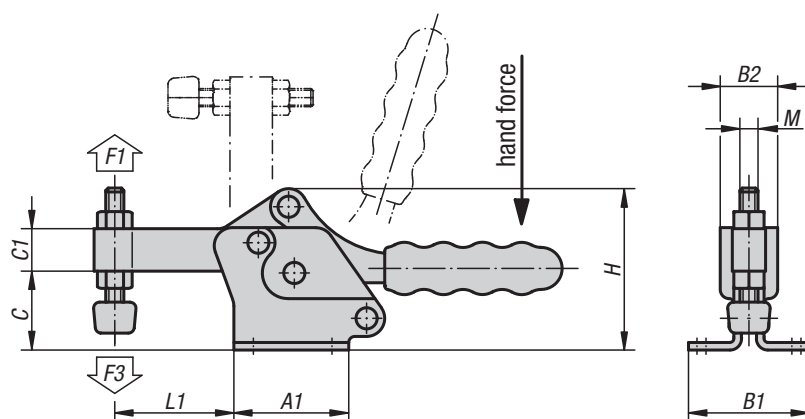
**Version:**  
Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**  
K0075.0075

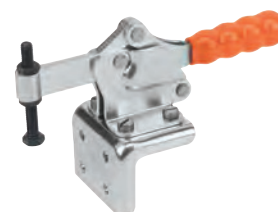
**Note:**  
The clamping spindle is supplied with a neoprene thrust pad.

**Accessories:**

K0098  
K0100  
K0101  
K0102  
K0103  
K0106



hole arrangement for  
Order No. K0075.0075



Angle bracket for front face  
mounting (see accessories)

## KIPP Toggle clamps horizontal with flat foot and fixed clamping spindle

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Clamping force<br>F3<br>N | Matching<br>plastic grip |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|---------------------------|--------------------------|
| K0075.0075 | 90°                             | 75°                        | 80              | 750                        | 320                       | K0100.16                 |
| K0075.0150 | 90°                             | 80°                        | 140             | 1500                       | 650                       | K0100.20                 |

| Order No.  | A    | A1 | A2  | B    | B1 | B2 | B4 | C  | C1  | D   | H  | L   | L1   | M     | Order No.<br>Angle bracket |
|------------|------|----|-----|------|----|----|----|----|-----|-----|----|-----|------|-------|----------------------------|
| K0075.0075 | 13,5 | 25 | 5,7 | 16,8 | 27 | 16 | -  | 19 | 9,5 | 5,2 | 38 | 108 | 24,5 | M5x35 | K0098.02                   |
| K0075.0150 | 26   | 38 | 6   | 28   | 40 | 20 | 22 | 25 | 14  | 5,5 | 53 | 155 | 38   | M6x50 | K0098.04                   |

# Toggle clamps horizontal

with flat foot and full holding arm



## Material:

Steel.

## Version:

Galvanized and chromated, plastic handle oil-resistant

## Sample order:

K0076.0250

## Accessories:

K0098

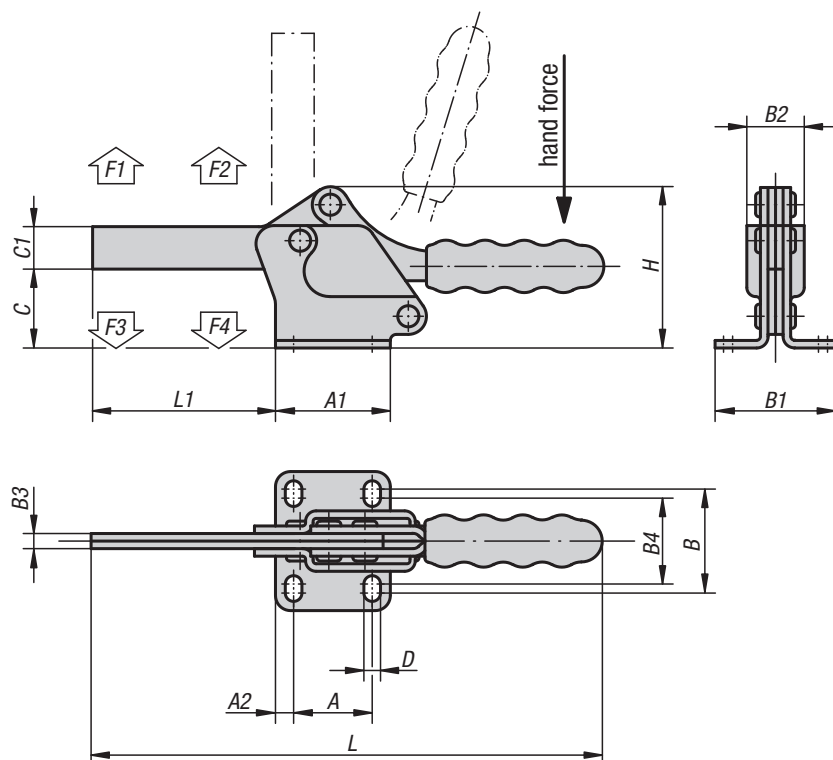
K0100

K0101

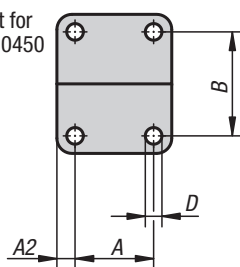
K0102

K0103

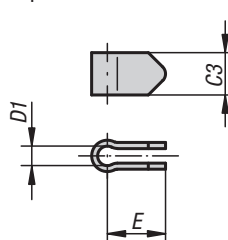
K0106



hole arrangement for  
Order No. K0076.0450



spindle bracket weldable



Angle bracket for front face  
mounting (see accessories)

## KIPP Toggle clamps horizontal with flat foot and full holding arm

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Retaining<br>force F2 N | Clamping force<br>F3<br>N | Clamping force<br>F4<br>N | Matching<br>plastic grip |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|-------------------------|---------------------------|---------------------------|--------------------------|
| K0076.0250 | 95°                             | 80°                        | 200             | 1500                       | 3500                    | 800                       | 1950                      | K0100.28                 |
| K0076.0350 | 90°                             | 75°                        | 250             | 2500                       | 5500                    | 1150                      | 3100                      | K0100.30                 |
| K0076.0450 | 90°                             | 75°                        | 250             | 3000                       | 6500                    | 1150                      | 3100                      | K0100.34                 |

| Order No.  | A    | A1 | A2 | B    | B1 | B2 | B3 | B4   | C  | C1   | C3   | D   | D1   | E  | H   | L   | L1  | Clamping<br>spindle | Order No.<br>Angle bracket |
|------------|------|----|----|------|----|----|----|------|----|------|------|-----|------|----|-----|-----|-----|---------------------|----------------------------|
| K0076.0250 | 26   | 42 | 8  | 32   | 47 | 23 | 6  | 27   | 34 | 17,5 | 17,5 | 6,6 | 8,3  | 24 | 67  | 226 | 82  | M8x60               | K0098.04                   |
| K0076.0350 | 41,2 | 59 | 9  | 43,7 | 60 | 30 | 8  | 39,7 | 45 | 24   | 22   | 8,7 | 10,3 | 30 | 91  | 272 | 110 | M10x80              | K0098.06                   |
| K0076.0450 | 41,2 | 67 | 13 | 42,8 | 68 | 38 | 10 | -    | 59 | 27   | 26   | 8,7 | 12,3 | 32 | 110 | 310 | 130 | M12x100             | K0098.06                   |

Toggle clamps horizontal

heavy-duty with adjustable clamping spindle

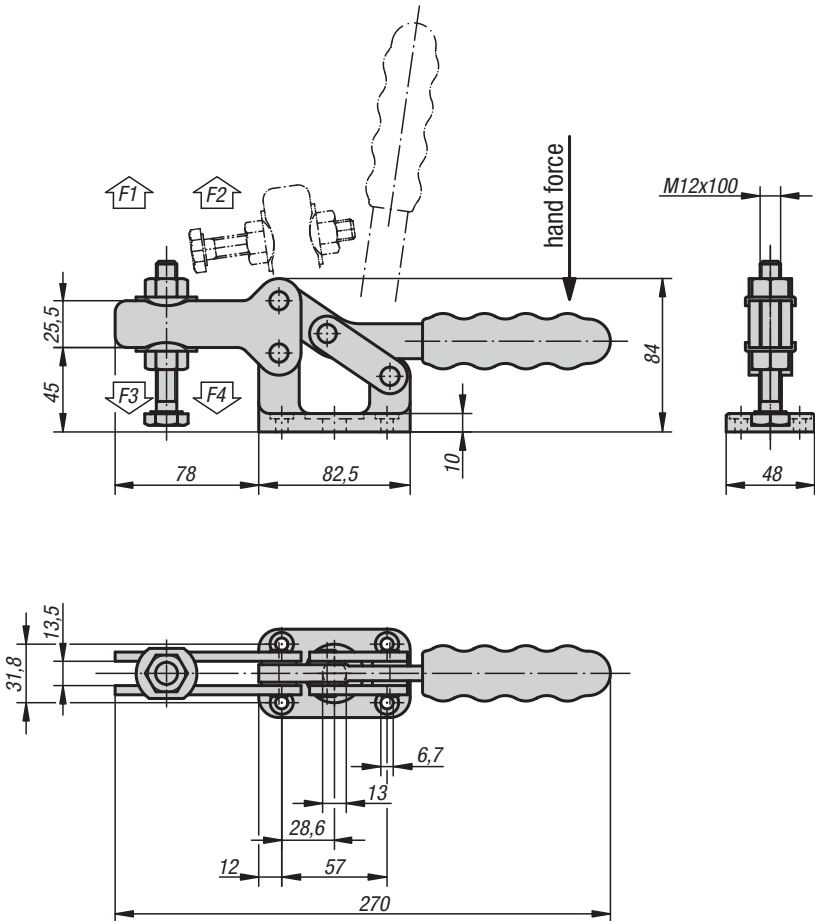


**Material:**  
Steel. Body and grip cast steel.

**Version:**  
Galvanized and chromated,  
clamping spindle and nuts phosphated,  
plastic handle oil-resistant

**Sample order:**  
K0077.0700

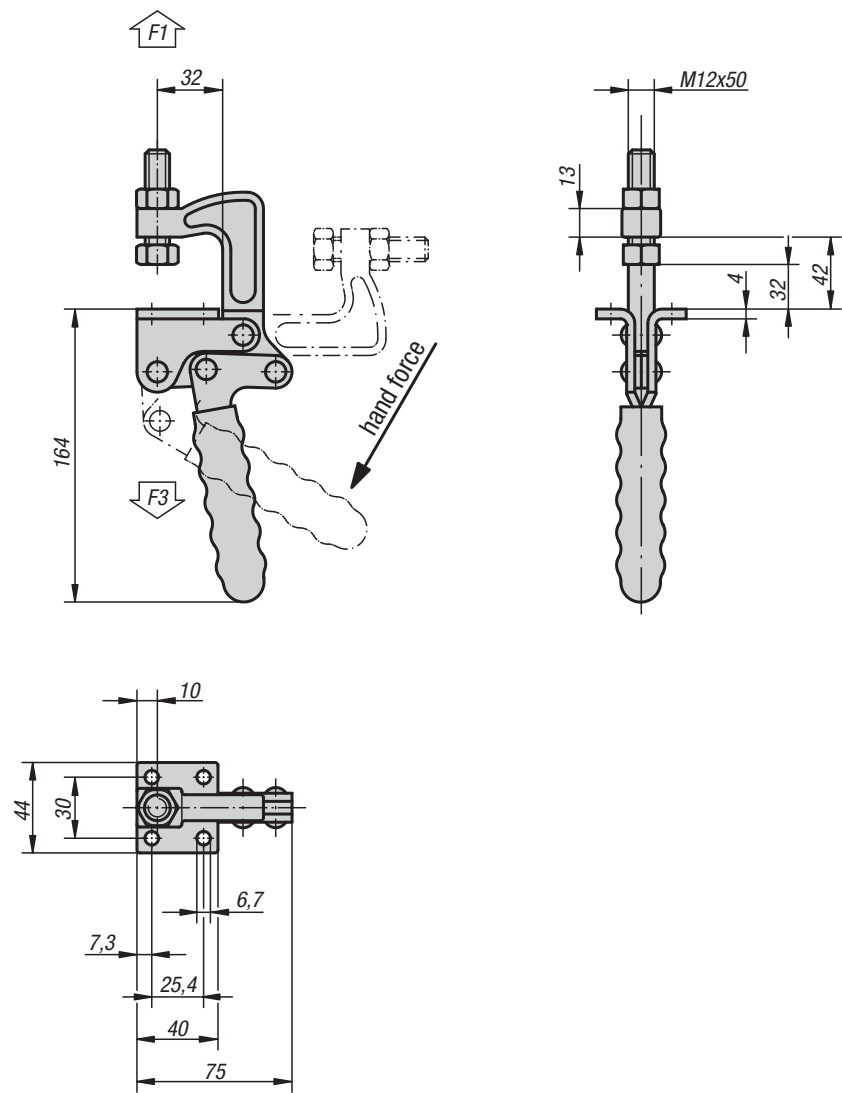
**Accessories:**  
K0100  
K0101  
K0102  
K0103  
K0106  
K0107



KIPP Toggle clamps horizontal heavy-duty with adjustable clamping spindle

| Order No.  | Opening angle<br>of holding arm | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force F1<br>N | Retaining<br>force F2 N | Clamping force<br>F3<br>N | Clamping force<br>F4<br>N | Matching<br>plastic grip |
|------------|---------------------------------|----------------------------|-----------------|----------------------------|-------------------------|---------------------------|---------------------------|--------------------------|
| K0077.0700 | 90°                             | 95°                        | 250             | 4500                       | 9000                    | 1800                      | 3550                      | K0100.32                 |

# Toggle clamps pivot jaw



**Material:**  
Steel, clamping bow in cast steel

**Version:**  
Galvanized and chromated, plastic handle oil-resistant

**Sample order:**  
K0078.0360

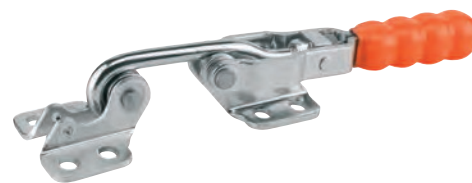
**Note:**  
The pivot jaw toggle clamp is ideal for applications in which there is little mounting space at the sides. In this case the clamp plate is secured from below to the work surface.

KIPP Toggle clamps pivot jaw

| Order No.  | Opening angle of holding arm | Opening angle of handle | Hand force N | Retaining force F1 N | Clamping force F3 N | Matching plastic grip |
|------------|------------------------------|-------------------------|--------------|----------------------|---------------------|-----------------------|
| K0078.0360 | 90°                          | 50°                     | 250          | 3600                 | 1150                | K0100.30              |

# Toggle clamps hook horizontal

with catch plate



## Material:

Steel or stainless steel

## Version:

Galvanized and chromed.

Stainless steel bright.

Plastic handle oil-resistant.

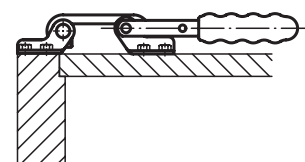
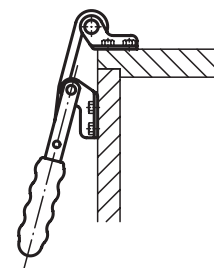
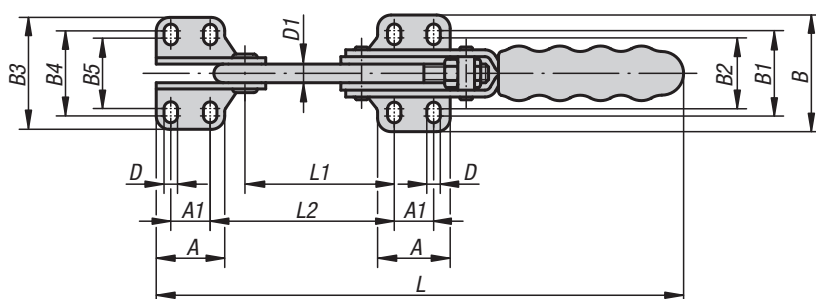
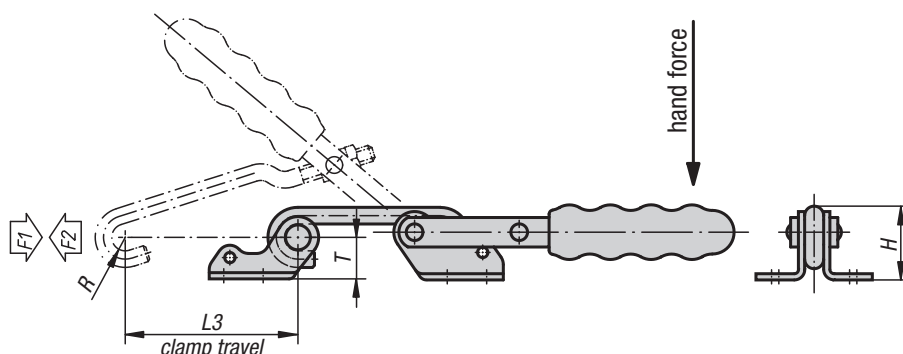
## Sample order:

K0079.0270

## Note:

Horizontal hook toggle clamps are especially suitable for quickly closing and locking covers and hatches. The amount of travel can be set by altering the hook length.

Adjustment length: 0 - 5 mm.



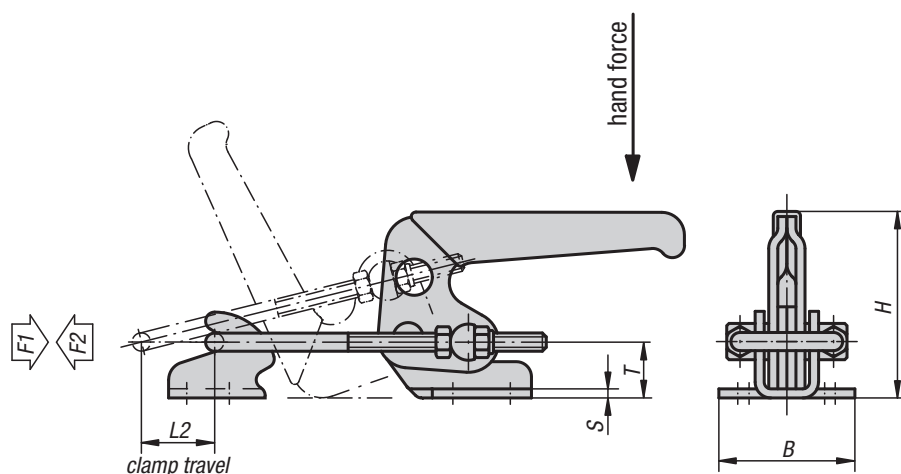
## KIPP Toggle clamps hook horizontal with catch plate

| Order No.   | Version         | Opening angle of handle | Hand force N | Pull force F1 N | Retaining force F2 N | Matching plastic grip |
|-------------|-----------------|-------------------------|--------------|-----------------|----------------------|-----------------------|
| K0079.0130  | steel           | 155°                    | 100          | 1500            | 2000                 | K0100.19              |
| K0079.0270  | steel           | 155°                    | 160          | 3000            | 4000                 | K0100.28              |
| K0079.0430  | steel           | 155°                    | 200          | 4000            | 7000                 | K0100.34              |
| K0079.0130N | stainless steel | 155°                    | 100          | 1500            | 2000                 | K0100.19              |
| K0079.0270N | stainless steel | 155°                    | 160          | 3000            | 4000                 | K0100.28              |
| K0079.0430N | stainless steel | 155°                    | 200          | 4000            | 7000                 | K0100.34              |

| Order No.   | Version         | A  | A1 | B  | B1   | B2   | B3 | B4 | B5 | D   | D1 | H  | L   | L1 | L2  | Clamping travel L3 | R  | T    |
|-------------|-----------------|----|----|----|------|------|----|----|----|-----|----|----|-----|----|-----|--------------------|----|------|
| K0079.0130  | steel           | 26 | 13 | 39 | 27   | 22,2 | 43 | 31 | 26 | 5,2 | 6  | 26 | 161 | 45 | 58  | 70                 | 6  | 13,5 |
| K0079.0270  | steel           | 35 | 19 | 52 | 36   | 29   | 57 | 41 | 34 | 6,5 | 8  | 35 | 248 | 68 | 84  | 90                 | 7  | 20   |
| K0079.0430  | steel           | 51 | 32 | 72 | 52,5 | 43,5 | 78 | 59 | 50 | 8,5 | 12 | 49 | 310 | 84 | 104 | 115                | 10 | 27   |
| K0079.0130N | stainless steel | 26 | 13 | 39 | 27   | 22,2 | 43 | 31 | 26 | 5,2 | 6  | 26 | 171 | 45 | 58  | 70                 | 6  | 13,5 |
| K0079.0270N | stainless steel | 35 | 19 | 52 | 36   | 29   | 57 | 41 | 34 | 6,5 | 8  | 35 | 248 | 68 | 84  | 90                 | 7  | 20   |
| K0079.0430N | stainless steel | 51 | 32 | 72 | 52,5 | 43,5 | 78 | 59 | 50 | 8,5 | 12 | 49 | 310 | 84 | 104 | 115                | 10 | 27   |

# Toggle clamps latch horizontal

with catch plate



## Material:

Steel or stainless steel

## Version:

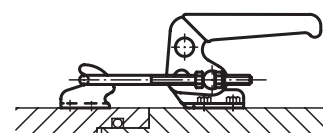
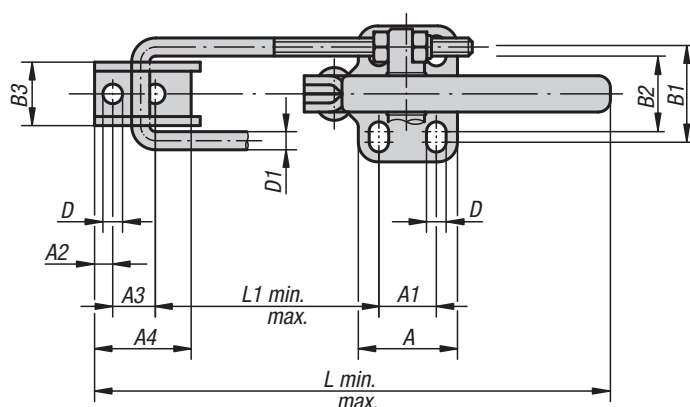
Galvanized and chromed.  
Stainless steel bright.  
Plastic handle oil-resistant.

## Sample order:

K0080.0140

## Note:

Horizontal latch toggle clamps are especially suitable for quickly closing and locking covers and hatches. The travel can be set by altering the hasp length.



## KIPP Toggle clamps latch horizontal with catch plate

| Order No.   | Version         | Opening angle of handle | Hand force N | Retaining force F2 N | Pull force F1 N | Travel path L max. | Travel path L min. | Travel path L1 max. | Travel path L1 min. | Clamping travel L2 |
|-------------|-----------------|-------------------------|--------------|----------------------|-----------------|--------------------|--------------------|---------------------|---------------------|--------------------|
| K0080.0140  | steel           | 120°                    | 100          | 2000                 | 1800            | 135                | 105                | 68                  | 38                  | 16                 |
| K0080.0250  | steel           | 120°                    | 150          | 4000                 | 2700            | 185                | 145                | 85                  | 45                  | 24                 |
| K0080.0450  | steel           | 120°                    | 200          | 7000                 | 4500            | 250                | 190                | 120                 | 65                  | 32                 |
| K0080.0140N | stainless steel | 120°                    | 100          | 2000                 | 1800            | 135                | 105                | 68                  | 38                  | 16                 |
| K0080.0250N | stainless steel | 120°                    | 150          | 4000                 | 2700            | 185                | 145                | 85                  | 45                  | 24                 |
| K0080.0450N | stainless steel | 120°                    | 200          | 7000                 | 4500            | 250                | 190                | 120                 | 65                  | 32                 |

| Order No.   | Version         | A  | A1 | A2  | A3 | A4 | B  | B1 | B2 | B3 | D   | D1 | H  | S   | T    |
|-------------|-----------------|----|----|-----|----|----|----|----|----|----|-----|----|----|-----|------|
| K0080.0140  | steel           | 26 | 13 | 4,5 | 11 | 24 | 36 | 24 | 19 | 16 | 5,2 | 4  | 42 | 2,5 | 11,5 |
| K0080.0250  | steel           | 35 | 19 | 6   | 14 | 32 | 48 | 33 | 26 | 21 | 6,5 | 6  | 64 | 3   | 18,5 |
| K0080.0450  | steel           | 51 | 32 | 8   | 19 | 40 | 64 | 45 | 36 | 28 | 8,5 | 8  | 85 | 4   | 25,5 |
| K0080.0140N | stainless steel | 26 | 13 | 4,5 | 11 | 24 | 36 | 24 | 19 | 16 | 5,2 | 4  | 42 | 2,5 | 11,5 |
| K0080.0250N | stainless steel | 35 | 19 | 6   | 14 | 32 | 48 | 33 | 26 | 21 | 6,5 | 6  | 64 | 3   | 18,5 |
| K0080.0450N | stainless steel | 51 | 32 | 8   | 19 | 40 | 64 | 45 | 36 | 28 | 8,5 | 8  | 85 | 4   | 25,5 |



# Toggle clamps latch horizontal

heavy-duty with catch plate



## Material:

Steel. Body and catch plate cast steel.  
Grip ductile iron (SGI).

## Version:

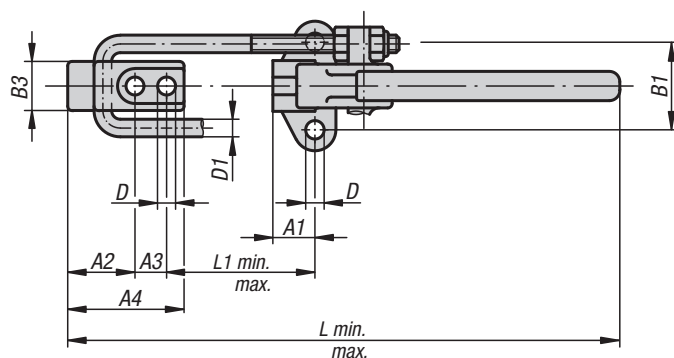
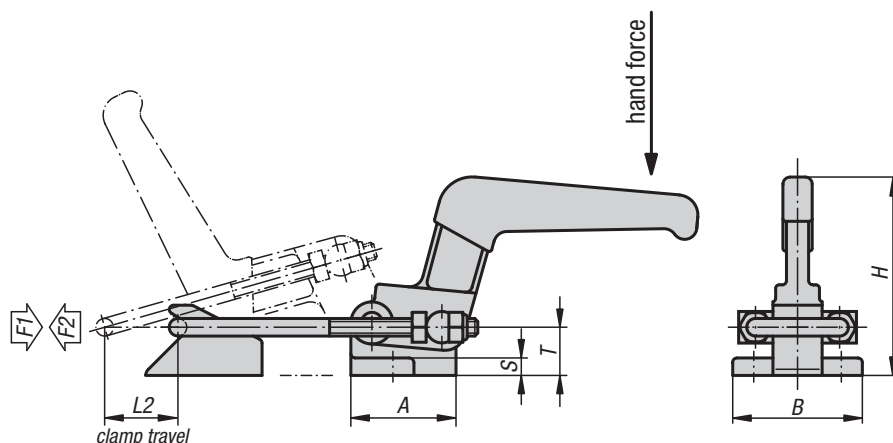
Galvanized and chromed.  
Body, catch plate and handle phosphated.  
Plastic handle oil-resistant.

## Sample order:

K0081.1900

## Note:

Horizontal latch toggle clamps are especially suitable for quickly closing and locking covers and hatches. The travel can be set by altering the hasp length.



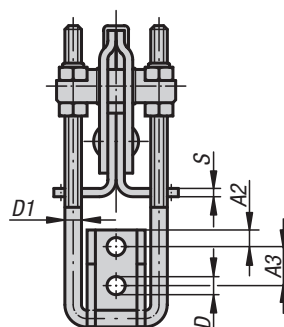
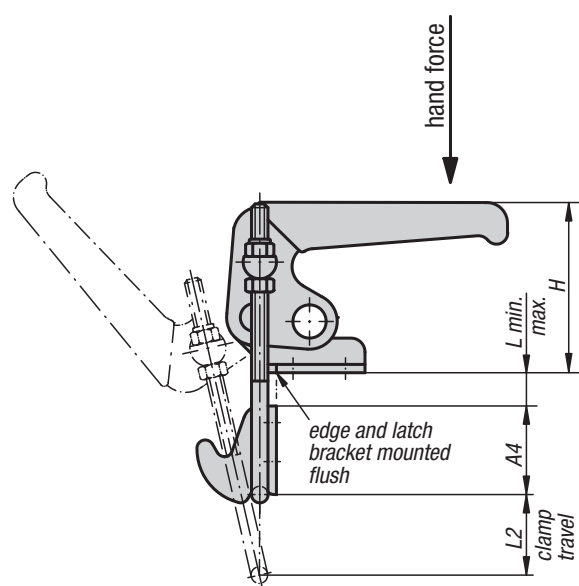
## KIPP Toggle clamps, latch, horizontal, heavy-duty with catch plate

| Order No.  | Opening angle of handle | Hand force N | Retaining force F2 N | Pull force F1 N | Travel path L min. | Travel path L max. | Travel path L1 min. | Travel path L1 max. | Clamping travel L2 |
|------------|-------------------------|--------------|----------------------|-----------------|--------------------|--------------------|---------------------|---------------------|--------------------|
| K0081.1650 | 120°                    | 600          | 20000                | 16500           | 270                | 320                | 38                  | 88                  | 60                 |
| K0081.1900 | 120°                    | 600          | 40000                | 19000           | 335                | 395                | 52                  | 112                 | 70                 |

| Order No.  | A  | A1 | A2 | A3 | A4 | B  | B1 | B3 | D    | D1 | H   | S  | T    |
|------------|----|----|----|----|----|----|----|----|------|----|-----|----|------|
| K0081.1650 | 60 | 24 | 37 | 18 | 65 | 74 | 50 | 28 | 10,3 | 10 | 115 | 10 | 27   |
| K0081.1900 | 82 | 36 | 44 | 22 | 78 | 84 | 56 | 34 | 12,4 | 12 | 132 | 12 | 33,5 |

# Toggle clamps latch vertical

with catch plate

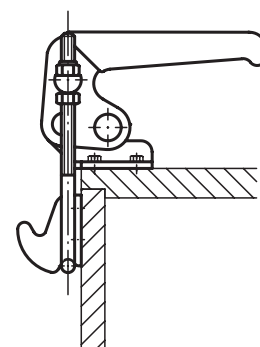
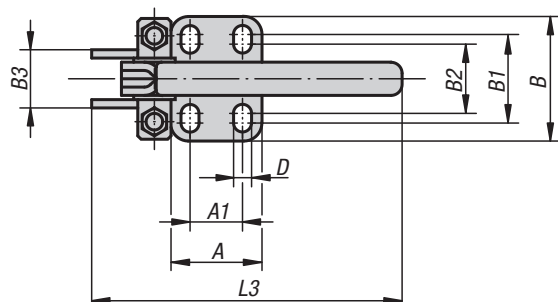


**Material:**  
Steel or stainless steel

**Version:**  
Galvanized and chromed.  
Stainless steel bright.  
Plastic handle oil-resistant.

**Sample order:**  
K0082.0450

**Note:**  
Vertical latch toggle clamps are especially suitable for quickly closing and locking covers and hatches.  
The travel can be set by altering the hasp length.



## KIPP Toggle clamps latch vertical with catch plate

| Order No.   | Version         | Opening angle of handle | Hand force N | Retaining force F2 N | Pull force F1 N | Travel path L min. | Travel path L max. | Clamping travel L2 |
|-------------|-----------------|-------------------------|--------------|----------------------|-----------------|--------------------|--------------------|--------------------|
| K0082.0140  | steel           | 145°                    | 100          | 2000                 | 1800            | 1                  | 25                 | 22                 |
| K0082.0250  | steel           | 145°                    | 150          | 4000                 | 2700            | 1                  | 28                 | 34                 |
| K0082.0450  | steel           | 145°                    | 200          | 7000                 | 4500            | 1                  | 40                 | 45                 |
| K0082.0140N | stainless steel | 145°                    | 100          | 2000                 | 1800            | 1                  | 25                 | 22                 |
| K0082.0250N | stainless steel | 145°                    | 150          | 4000                 | 2700            | 1                  | 28                 | 34                 |
| K0082.0450N | stainless steel | 145°                    | 200          | 7000                 | 4500            | 1                  | 40                 | 45                 |

| Order No.   | Version         | A  | A1 | A2  | A3 | A4 | B  | B1 | B2 | B3 | D   | D1 | L3  | H  | S   |
|-------------|-----------------|----|----|-----|----|----|----|----|----|----|-----|----|-----|----|-----|
| K0082.0140  | steel           | 26 | 13 | 4,5 | 11 | 24 | 36 | 24 | 19 | 16 | 5,2 | 4  | 76  | 42 | 2,5 |
| K0082.0250  | steel           | 35 | 19 | 6   | 14 | 32 | 48 | 33 | 26 | 21 | 6,5 | 6  | 115 | 64 | 3   |
| K0082.0450  | steel           | 51 | 32 | 8   | 19 | 40 | 64 | 45 | 36 | 28 | 8,5 | 8  | 152 | 85 | 4   |
| K0082.0140N | stainless steel | 26 | 13 | 4,5 | 11 | 24 | 36 | 24 | 19 | 16 | 5,2 | 4  | 76  | 42 | 2,5 |
| K0082.0250N | stainless steel | 35 | 19 | 6   | 14 | 32 | 48 | 33 | 26 | 21 | 6,5 | 6  | 115 | 64 | 3   |
| K0082.0450N | stainless steel | 51 | 32 | 8   | 19 | 40 | 64 | 45 | 36 | 28 | 8,5 | 8  | 152 | 85 | 4   |

# Toggle clamps mini push-pull

with mounting bracket



## Material:

Steel or stainless steel

## Version:

Galvanized and chromed.  
Push rod and thrust screw phosphated.  
Stainless steel bright.  
Plastic handle oil-resistant.

## Sample order:

K0083.0050

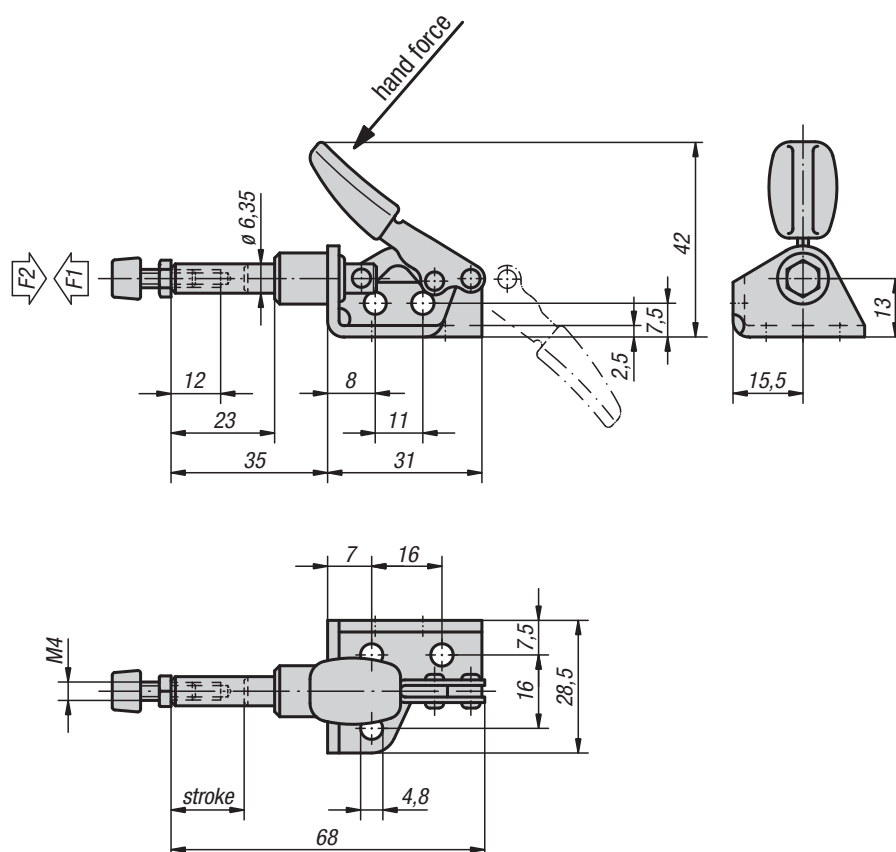
## Note:

As the push-pull mini toggle clamps lock in the open and closed handle positions, they can be used to clamp when pushing or pulling.

A neoprene pressure pad is supplied.

## Accessories:

K0101  
K0103  
K0106



## KIPP Push-pull mini-clamp with mounting bracket

| Order No.   | Version         | Opening angle of handle | Hand force N | Retaining force F2 N | Clamping force F1 N | Travel |
|-------------|-----------------|-------------------------|--------------|----------------------|---------------------|--------|
| K0083.0050  | steel           | 190°                    | 80           | 500                  | 500                 | 16     |
| K0083.0050N | stainless steel | 190°                    | 80           | 500                  | 500                 | 16     |

# Toggle clamps push-pull

with mounting bracket



## Material:

Steel.

## Version:

Galvanized and chromated,  
connecting rod, guide body and contact pressure  
screw phosphated,  
plastic handle oil-resistant

## Sample order:

K0084.0250

## Note:

As the push-pull toggle clamps lock in open and closed  
handle positions, they can be used to clamp when  
pushing or pulling.

The fastening nut supplied allows the clamps to be  
mounted in any desired position.

## Accessories:

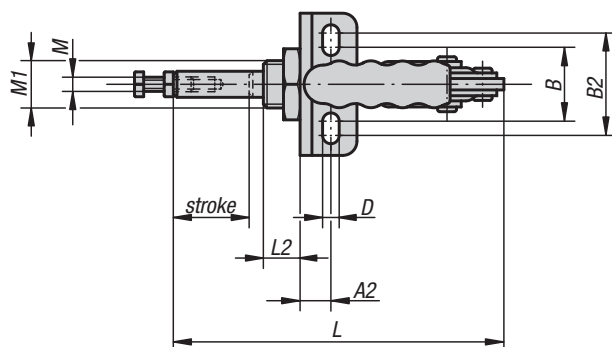
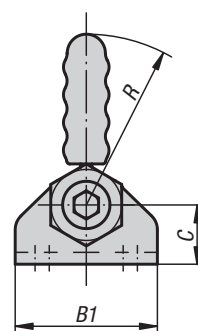
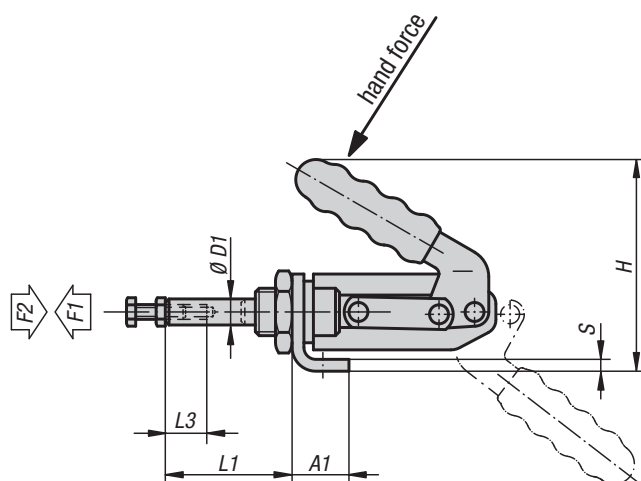
K0100

K0101

K0102

K0103

K0106



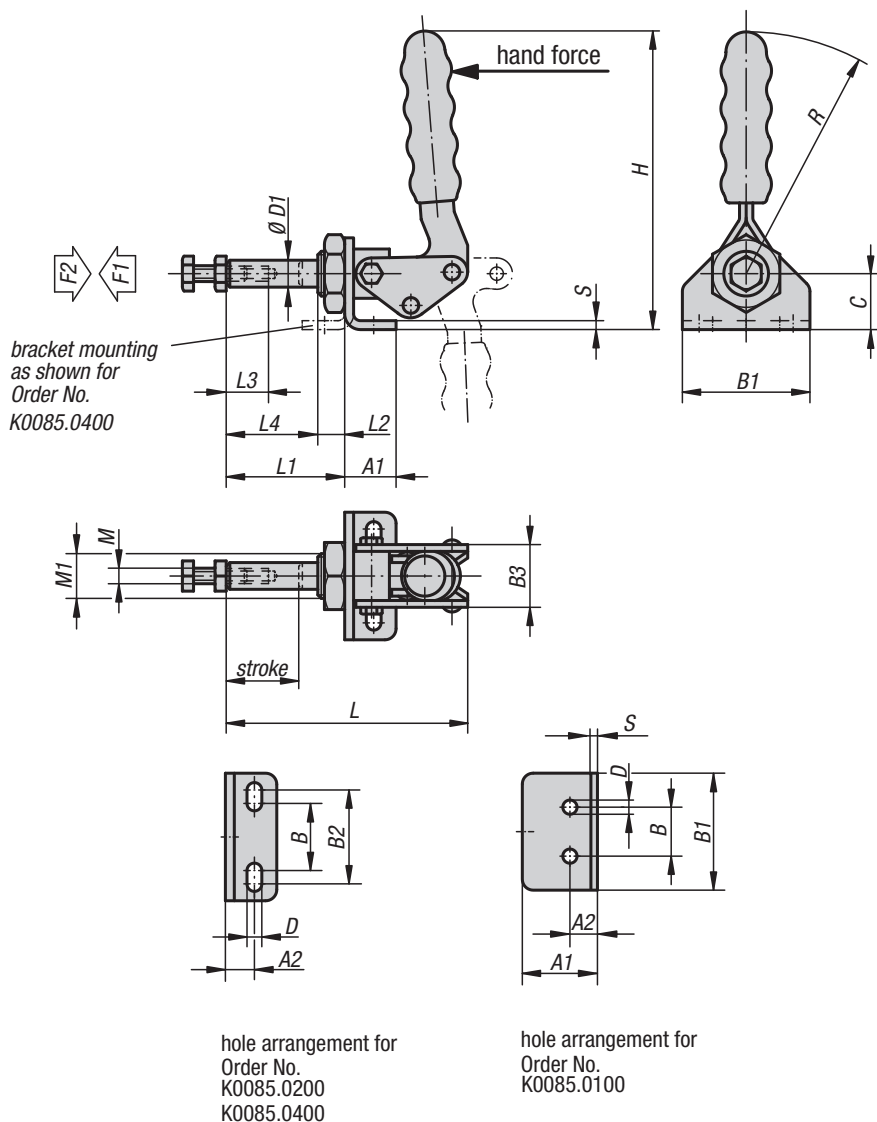
## KIPP Toggle clamps push-pull with mounting bracket

| Order No.  | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force<br>F2 N | Clamping force<br>F1<br>N | Matching<br>plastic grip |
|------------|----------------------------|-----------------|----------------------------|---------------------------|--------------------------|
| K0084.0250 | 190°                       | 170             | 2500                       | 1500                      | K0100.23                 |
| K0084.0450 | 185°                       | 180             | 4000                       | 2000                      | K0100.30                 |

| Order No.  | A1 | A2 | B  | B1   | B2 | C  | D   | D1   | H   | L   | L1   | L2 | L3 | M      | M1      | S | R  | Travel |
|------------|----|----|----|------|----|----|-----|------|-----|-----|------|----|----|--------|---------|---|----|--------|
| K0084.0250 | 23 | 13 | 30 | 57,5 | 42 | 25 | 6,5 | 11,1 | 85  | 136 | 52,5 | 14 | 12 | M6x25  | M20x1,5 | 4 | 60 | 32     |
| K0084.0450 | 30 | 18 | 30 | 64   | 45 | 30 | 8,5 | 16   | 120 | 173 | 60   | 17 | 20 | M10x50 | M24x1,5 | 5 | 90 | 38     |

# Toggle clamps push-pull

with mounting bracket



## Material:

Steel or stainless steel

## Version:

Galvanized and chromed.  
Push rod and thrust screw phosphated.  
Stainless steel bright.  
Plastic handle oil-resistant.

## Sample order:

K0085.0200

## Note:

As the push-pull toggle clamps lock in open and closed handle positions, they can be used to clamp when pushing or pulling.

The fastening nut supplied allows the clamps to be mounted in any desired position.

A neoprene pressure pad is supplied with version K0085.0100.

Versions K0085.0100N, K0085.0200N and K0085.0400N are supplied without mounting bracket.

## Accessories:

K0100  
K0101  
K0102  
K0103  
K0106

## KIPP Toggle clamps push-pull with mounting bracket

| Order No.   | Version         | Opening angle of handle | Hand force N | Retaining force F2 N | Clamping force F1 N | Matching plastic grip |
|-------------|-----------------|-------------------------|--------------|----------------------|---------------------|-----------------------|
| K0085.0100  | steel           | 190°                    | 40           | 1000                 | 500                 | K0100.22              |
| K0085.0200  | steel           | 190°                    | 50           | 2000                 | 2000                | K0100.28              |
| K0085.0400  | steel           | 190°                    | 150          | 4000                 | 2500                | K0100.30              |
| K0085.0100N | stainless steel | 190°                    | 40           | 1000                 | 500                 | K0100.22              |
| K0085.0200N | stainless steel | 190°                    | 50           | 2000                 | 2000                | K0100.28              |
| K0085.0400N | stainless steel | 190°                    | 150          | 4000                 | 2500                | K0100.30              |

| Order No.   | Version         | A1 | A2   | B  | B1 | B2 | B3 | C  | D   | D1 | H   | L   | L1 | L2 | L3 | L4 | M      | M1      | S | R   | Travel |
|-------------|-----------------|----|------|----|----|----|----|----|-----|----|-----|-----|----|----|----|----|--------|---------|---|-----|--------|
| K0085.0100  | steel           | 20 | 13,5 | 18 | 44 | -  | 25 | 26 | 5,2 | 10 | 98  | 69  | 34 | 10 | 15 | 23 | M6x25  | M16x1,5 | 2 | 70  | 20     |
| K0085.0200  | steel           | 23 | 13   | 30 | 57 | 42 | 28 | 34 | 6,5 | 12 | 147 | 108 | 53 | 12 | 25 | 41 | M8x40  | M20x1,5 | 4 | 112 | 40     |
| K0085.0400  | steel           | 30 | 18   | 30 | 64 | 45 | 38 | 30 | 8,5 | 16 | 160 | 175 | 88 | 17 | 35 | 71 | M10x50 | M24x1,5 | 5 | 130 | 68     |
| K0085.0100N | stainless steel | 30 | 13,5 | 18 | 44 | -  | 25 | 26 | 5,2 | 10 | 98  | 69  | 34 | 10 | 15 | 23 | M6x25  | M16x1,5 | 2 | 70  | 20     |
| K0085.0200N | stainless steel | 23 | 13   | 30 | 57 | 42 | 28 | 25 | 6,5 | 12 | 137 | 108 | 53 | 12 | 25 | 41 | M8x40  | M20x1,5 | 4 | 112 | 40     |
| K0085.0400N | stainless steel | 30 | 18   | 30 | 64 | 45 | 38 | 30 | 8,5 | 16 | 160 | 175 | 88 | 17 | 35 | 71 | M10x50 | M24x1,5 | 5 | 130 | 68     |

# Toggle clamps push-pull

without mounting bracket



## Material:

Steel.

## Version:

Galvanized and chromated,  
connecting rod, guide body and contact pressure  
screw phosphated,  
plastic handle oil-resistant

## Sample order:

K0086.0750

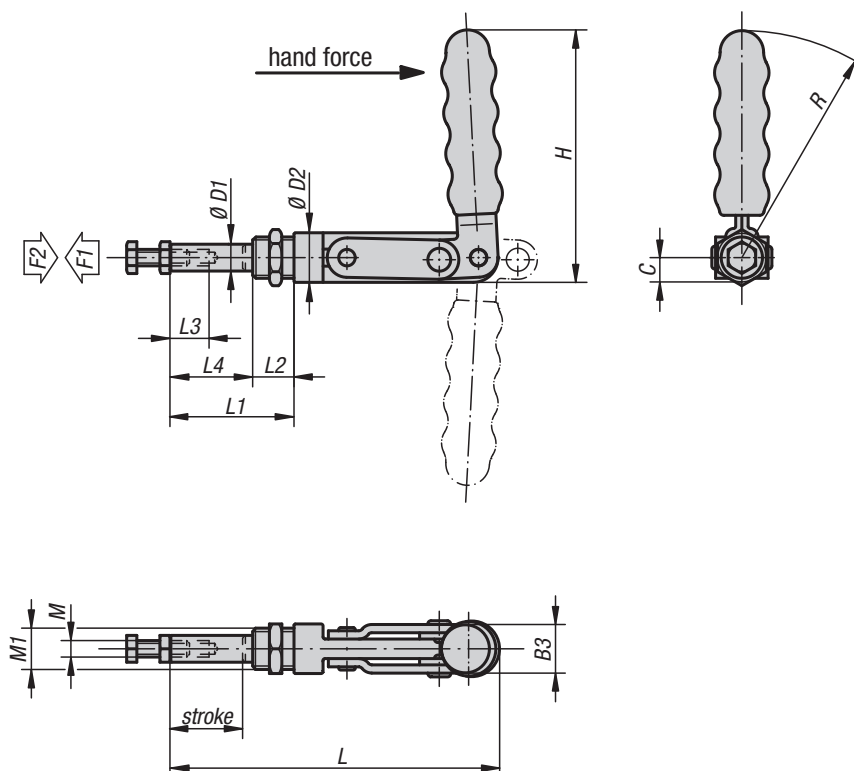
## Note:

As the push-pull toggle clamps lock in open and closed handle positions, they can be used to clamp when pushing or pulling.

The fastening nut supplied allows the clamps to be mounted in any desired position.

## Accessories:

K0100  
K0101  
K0102  
K0103  
K0106



## KIPP Toggle clamps push-pull without mounting bracket

| Order No.  | Opening angle<br>of handle | Hand force<br>N | Retaining<br>force<br>F2 N | Clamping force<br>F1<br>N | Matching<br>plastic grip |
|------------|----------------------------|-----------------|----------------------------|---------------------------|--------------------------|
| K0086.0350 | 185°                       | 110             | 3500                       | 1500                      | K0100.28                 |
| K0086.0550 | 185°                       | 140             | 5500                       | 1600                      | K0100.30                 |
| K0086.0750 | 185°                       | 160             | 7500                       | 1600                      | K0100.33                 |

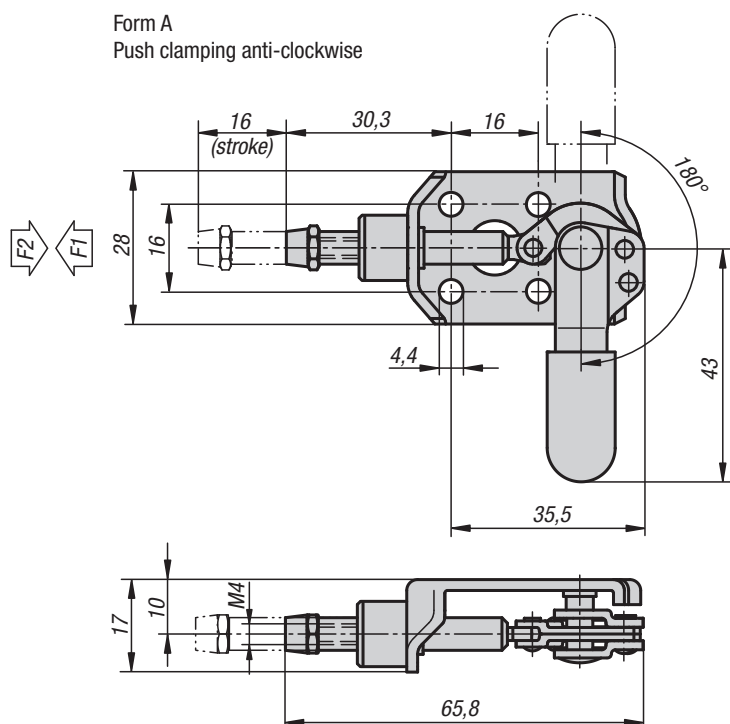
| Order No.  | B3   | C    | D1 | D2   | H     | L   | L1 | L2 | L3 | L4 | M      | M1      | R   | Travel |
|------------|------|------|----|------|-------|-----|----|----|----|----|--------|---------|-----|--------|
| K0086.0350 | 20,5 | 9,5  | 10 | 19   | 106,5 | 123 | 49 | 16 | 18 | 33 | M6x25  | M16x1,5 | 97  | 25     |
| K0086.0550 | 24,5 | 12   | 13 | 24   | 130   | 159 | 60 | 20 | 30 | 40 | M8x40  | M20x1,5 | 118 | 38     |
| K0086.0750 | 31   | 14,2 | 16 | 28,5 | 149   | 235 | 93 | 23 | 40 | 70 | M10x50 | M24x1,5 | 135 | 67     |

# Toggle clamps push-pull

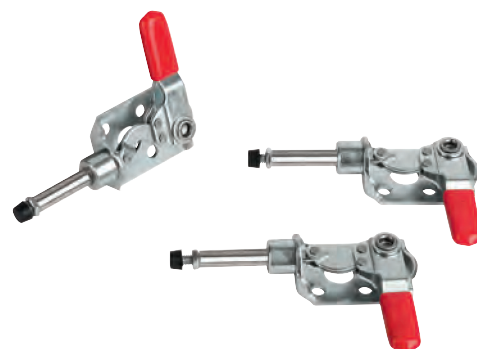
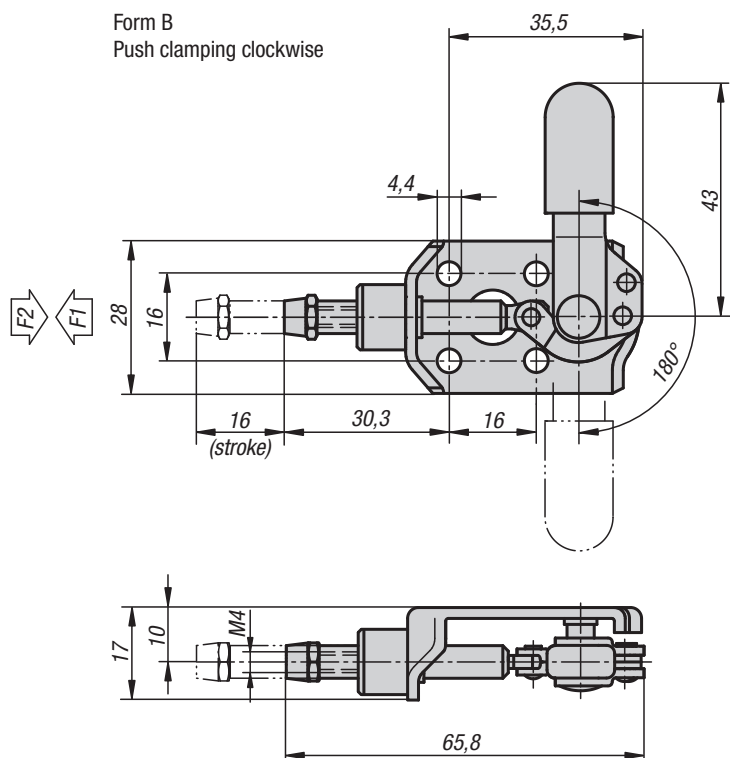
mini



Form A  
Push clamping anti-clockwise



Form B  
Push clamping clockwise



**Material:**  
Steel.

**Version:**  
Galvanized and chromated,  
plastic handle oil-resistant

**Sample order:**  
K0745.10050

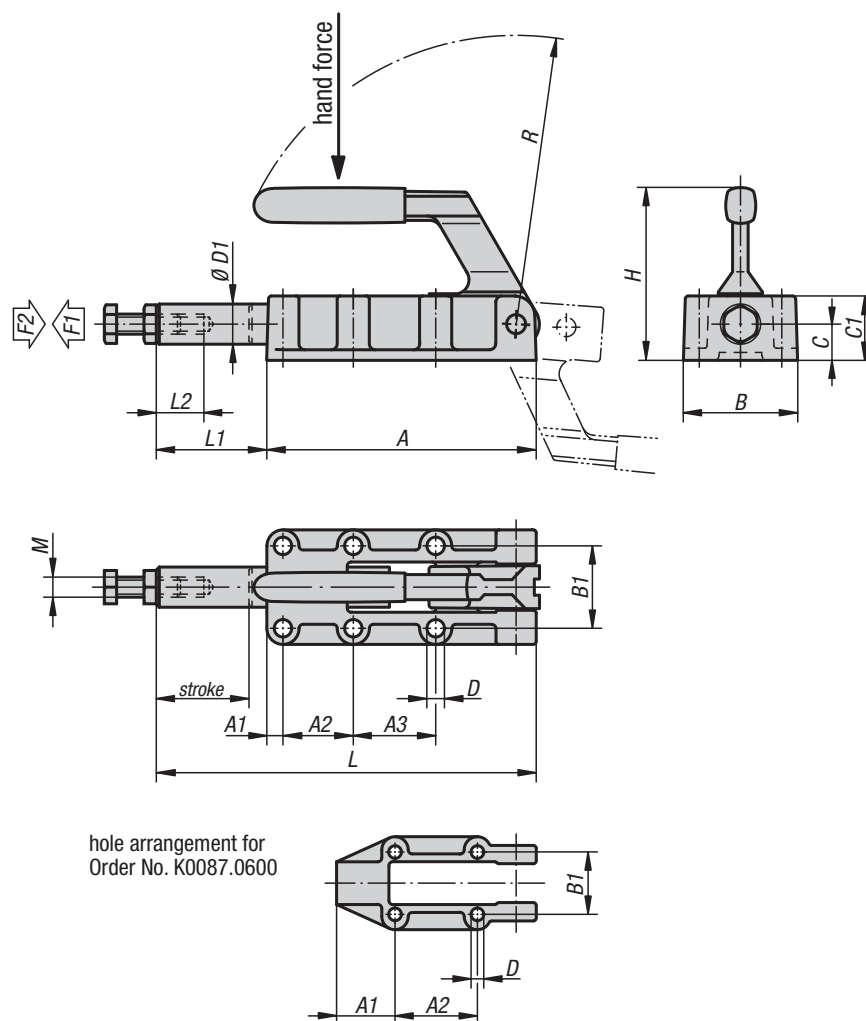
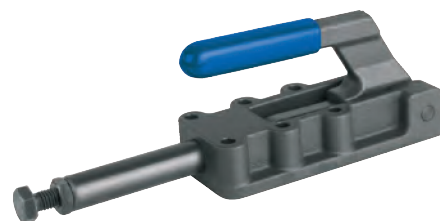
**Note:**  
Push-pull toggle clamps with very low profile. As the clamps lock in the open and closed handle positions, they can be used to clamp when pushing or pulling.

## KIPP Toggle clamp mini push-pull

| Order No.   | Form | Retaining force F2 N | Retaining force F1 N |
|-------------|------|----------------------|----------------------|
| K0745.10050 | A    | 500                  | 500                  |
| K0745.20050 | B    | 500                  | 500                  |

# Push-pull clamps

heavy-duty version with handle


**Material:**

Steel.

Body and handle ductile iron (SG iron)

**Version:**

Phosphated.

Plastic grip oil-resistant

**Sample order:**

K0087.2500

**Note:**

The clamps lock in the open and closed handle positions. They can be used for thrust or tension clamping.

The clamps have a stroke limitation for advance and retraction.

**Accessories:**

K0101

K0102

K0103

K0106

## KIPP Push-pull clamps heavy-duty version with handle

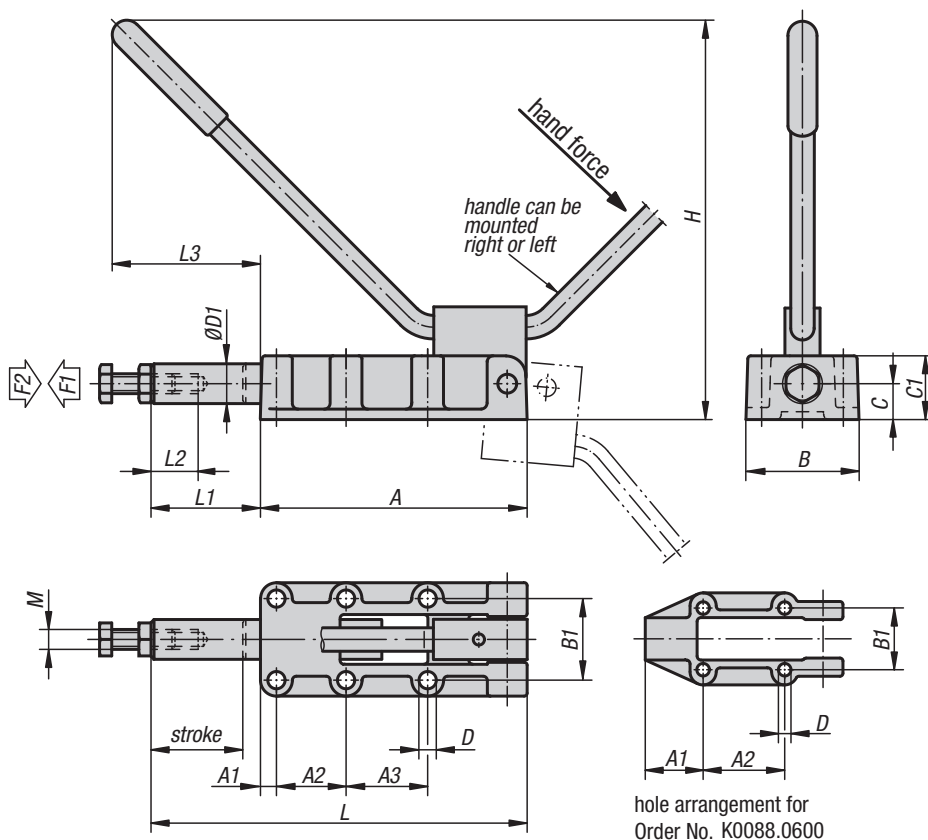
| Order No.  | Opening angle of handle | Hand force N | Retaining force F2 N | Clamping force F1 N |
|------------|-------------------------|--------------|----------------------|---------------------|
| K0087.0600 | 185°                    | 140          | 6000                 | 3000                |
| K0087.1200 | 185°                    | 150          | 12000                | 5000                |
| K0087.2500 | 185°                    | 170          | 25000                | 5000                |
| K0087.5000 | 185°                    | 200          | 50000                | 7000                |

| Order No.  | A   | A1 | A2   | A3 | B  | B1   | C  | C1 | D    | D1 | H   | L   | L1  | L2 | M   | R   | Travel |
|------------|-----|----|------|----|----|------|----|----|------|----|-----|-----|-----|----|-----|-----|--------|
| K0087.0600 | 89  | 25 | 36,5 | -  | 46 | 33,4 | 12 | 23 | 5,5  | 14 | 63  | 127 | 38  | 30 | M8  | 95  | 32     |
| K0087.1200 | 133 | 8  | 35   | 41 | 61 | 41   | 18 | 32 | 8,5  | 20 | 88  | 188 | 55  | 40 | M10 | 143 | 50     |
| K0087.2500 | 197 | 11 | 45   | 45 | 82 | 54   | 22 | 41 | 10,3 | 25 | 108 | 300 | 103 | 60 | M12 | 200 | 75     |
| K0087.5000 | 254 | 10 | 70   | 70 | 85 | 57   | 28 | 50 | 10,3 | 30 | 127 | 390 | 136 | 60 | M16 | 245 | 100    |



# Push-pull clamps

heavy-duty version with reversible hand lever



## Material:

Steel, body in spheroidal graphite cast iron (GJS)

## Version:

Phosphated, hand lever galvanized and chromed, plastic handle oil-resistant

## Sample order:

K0088.0600

## Note:

The clamps lock in the open and closed handle positions. They can be used for thrust or tension clamping.

The clamps have a stroke limitation for advance and retraction.

## Accessories:

K0099

K0101

K0102

K0103

K0106

## KIPP Push-pull clamps heavy-duty version with reversible hand lever

| Order No.  | A   | A1 | A2   | A3 | B  | B1   | C  | C1 | D    | D1 | H   | L   | L1  | L2 | L3  | M   | Travel | Hand force N | Retaining force F2 N | Opening angle of handle |
|------------|-----|----|------|----|----|------|----|----|------|----|-----|-----|-----|----|-----|-----|--------|--------------|----------------------|-------------------------|
| K0088.0600 | 89  | 25 | 36,5 | -  | 46 | 33,4 | 12 | 23 | 5,5  | 14 | 127 | 127 | 38  | 30 | 65  | M8  | 32     | 140          | 6000                 | 185°                    |
| K0088.1200 | 133 | 8  | 35   | 41 | 61 | 41   | 18 | 32 | 8,5  | 20 | 196 | 188 | 55  | 40 | 106 | M10 | 50     | 150          | 12000                | 185°                    |
| K0088.2500 | 197 | 11 | 45   | 45 | 82 | 54   | 22 | 41 | 10,3 | 25 | 270 | 300 | 103 | 60 | 125 | M12 | 75     | 170          | 25000                | 185°                    |
| K0088.5000 | 254 | 10 | 70   | 70 | 85 | 57   | 28 | 50 | 10,3 | 30 | 360 | 390 | 136 | 60 | 155 | M16 | 100    | 200          | 50000                | 185°                    |

| Order No.  | Conecting rod extended / Clamping force F1 N                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| K0088.0600 | 5 mm / 1100 N, 10 mm / 700N, 15mm / 750N, 20mm / 800N, 25mm / 850N, 30mm / 1460N, 31mm / 1900N, 32mm / 5800N                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K0088.1200 | 5 mm / 1670 N, 10 mm / 900N, 15mm / 730N, 20mm / 700N, 25mm / 720N, 30mm / 850N, 35mm / 1000N, 40mm / 1100N, 45mm / 1500N, 48mm / 2200N, 49mm / 2900N, 50mm / 9300N                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K0088.2500 | 10 mm / 1000N, 20mm / 720N, 30mm / 600N, 40mm / 700N, 50mm / 880N, 60mm / 1180N, 70mm / 1900N, 72mm / 2300N, 74mm / 3530N, 75mm / 11000N                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K0088.5000 | 10 mm / 1800N, 20mm / 1100N, 30mm / 7500N, 40mm / 800N, 50mm / 820N, 60mm / 1000N, 70mm / 1000N, 80mm / 1300N, 90mm / 1900N, 95mm / 2500N, 97mm / 3100N, 99mm/4500N, 100mm / 12100N |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |