

# **Connection elements**

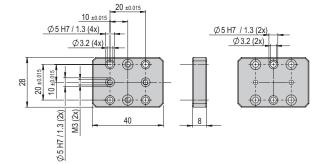


## Table of contents: Connection elements

| Connection elements | Page |
|---------------------|------|
| Connection plate VP | 9    |
| Angle plate VW      | 21   |
| Flange plate VF     | 27   |
| Connecting set VS   | 29   |
| Special screws      | 31   |
| T-nuts              | 33   |

## Connection plates VP

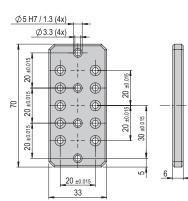
| Connection plate VP 100 | VP 100   |
|-------------------------|----------|
| Order number            | 50077103 |
| Net weight              | 0.021 kg |



#### Inlcuded in the delivery

- 2x Special screw M3 x 10/4
- 4x Mounting screw M3x12
- 2x Centering bushing Ø5x2.5

| Connection plate VP 101 | VP 101   |
|-------------------------|----------|
| Order number            | 50041054 |
| Net weight              | 0.032 kg |

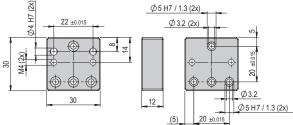


| _ | Ø5 H7 /1.3 (10x)       |
|---|------------------------|
|   | Ø3.3(10x)              |
|   |                        |
|   | Í ∰                    |
|   |                        |
|   |                        |
|   |                        |
|   | $\oplus \oplus \oplus$ |
|   |                        |
|   | · _                    |

### Inlcuded in the delivery

- 2x Mounting screw M3x10
- 2x Centering bushing Ø5x2.5
- 6x Mounting screw M3x12

| Connection plate VP 102 | VP 102   |
|-------------------------|----------|
| Order number            | 50077106 |
| Net weight              | 0.025 kg |



#### Inlcuded in the delivery

- 2x Mounting screw M3x16
- 2x Centering bushing Ø5x2.5

| Connection plate VP 103 | VP 103   |
|-------------------------|----------|
| Order number            | 50077107 |
| Net weight              | 0.013 kg |
|                         |          |

Ø5H7

6

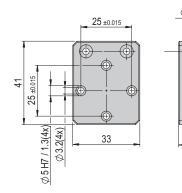
- 4x Mounting screw M3x12
- 4x Centering bushing Ø5x2.5

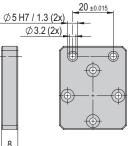
| ection |          |          |        | 104 |
|--------|----------|----------|--------|-----|
|        | la lle b | 1 - 10 1 | 1.5.00 |     |
|        |          |          |        |     |

| Order number | 50077108 |
|--------------|----------|

#### Net weight

0.026 kg





#### Inlcuded in the delivery

- 2x Mounting screw M3x10
- 2x Centering bushing Ø5x2.5

| VP | 106 |
|----|-----|
|    |     |

Ø7H7/1.6(2x)

Ø4.2 (2x

50077110

0.041 kg

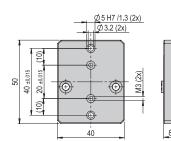
30 ±0.015

6

66



#### Net weight

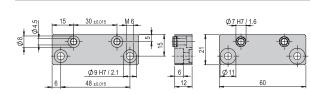


#### Inlcuded in the delivery

2x Centering bushing Ø7x3

2x Mounting screw M4x12





#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 2x Mounting screw M4x16
- 2x Mounting screw M6x16

ion nlate, angle plates, flange plates can also be manu-

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.

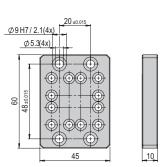
| onnection | plate | VP ' | 105 |
|-----------|-------|------|-----|

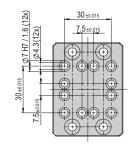
### Order number

### Net weight

0.057 kg

50077109

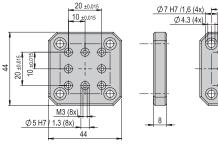




#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 2x Centering bushing Ø9x4
- 4x Mounting screw M4x12
- 4x Mounting screw M5x20

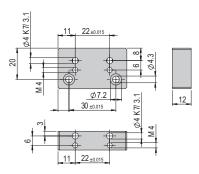
| Order number | 50041056 |
|--------------|----------|
| Net weight   | 0.038 kg |

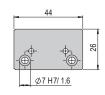


#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 4x Mounting screw M4x10

| Connection plate VP 109 | VP 109   |
|-------------------------|----------|
| Order number            | 11016902 |
| Net weight              | 0.034 kg |
|                         |          |





30

#### Inlcuded in the delivery

2x Centering bushing Ø7x3

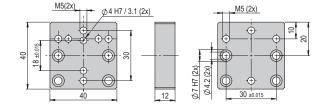
2x Mounting screw M4x14

| Order number            | 50077115 |
|-------------------------|----------|
| Connection plate VP 110 | VP 110   |

| U | ľu | er | <br>u | IID | e |
|---|----|----|-------|-----|---|
|   |    |    |       |     |   |

Net weight

0.044 kg



#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 4x Mounting screw M4x12

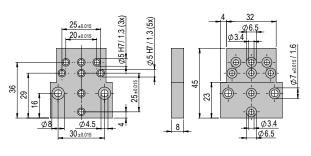
## Order number

Net weight

50077116 0.03 kg

50077118

0.274 kg



#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 2x Mounting screw M3x10
- 2x Mounting screw M4x12

**Order number** 

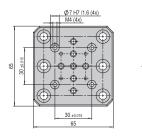
30 ±0.015

Net weight

2x Centering bushing Ø5x2.5

| Order number            | 50041068 |
|-------------------------|----------|
| Connection plate VP 112 | VP 112   |

| Ν     | et weight |  |
|-------|-----------|--|
| - 1 \ |           |  |



### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 2x Mounting screw M3x16
- 2x Centering bushing Ø5x2.5
- 2x Mounting screw M4x10
- 4x Mounting screw M4x20
- 4x Mounting screw M6x16

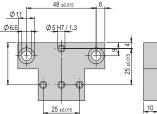
| 48 ±0.015<br>20 ±0.015                                  |
|---|
|   |
|   |
| 48 atoris   |
|   |
| Ø 9 H7 /2.1 (4x) M3 (4x)   Ø 3.3 (7x) Ø 5 H7 /1.3 (11x) |
|   |

0.112 kg

#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 4x Mounting screw M4x12

- 50077119 **Order number** Net weight 0.041 kg



#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 2x Mounting screw M3x12
- 2x Mounting screw M6x14
- 2x Centering bushing Ø5x2.5

|   |          | 60           | _          |    |
|---|----------|--------------|------------|----|
|   |          | Ø6.5         | 9 H7 / 2.1 |    |
| - |          | ⊅3 <u>.4</u> |            | -  |
| 9 | <b>P</b> | -            | Ð          | 40 |
|   | -(       | ∲∲           | ⊕          |    |
|   | 14       | 32           |            | _1 |

- Inlcuded in the delivery
- 2x Centering bushing Ø9x4
- 2x Mounting screw M6x14
- 2x Mounting screw M6x16
- 2 Mounting screw M6x25

| Ø9 H7 /2.1 (4x)<br>Ø6.4 (4x)   |                                       |     |              | 96 ±0.<br>Ø 9 H7 /2.1<br>Ø 6.4 (6x)_                |          | 1           |
|--|---------------------------------------|-----|--------------|---|----------|-------------|
| 80<br>-26<br>-48<br>-48<br>-40<br>-6<br>-6<br>-6<br>-6<br>-6<br>-6<br>-6<br>-6<br>-6<br>-6 | 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | +-+ | 26 48 ±0.015 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | <b>A</b> | ⊕<br>⊕<br>⊕ |

12

Z = 1 5 ±0.015

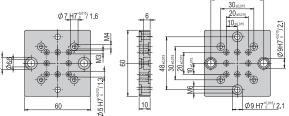
47

Ø4.3 (10x)

Ø7 H7 /1.6 (10x) 120

- 4x Mounting screw M6x14
- 8x Mounting screw M6x20

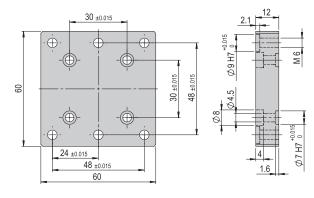
| Connection plate VP 115 | VP 115                |
|-------------------------|-----------------------|
| Order number            | 50077120              |
| Net weight              | 0.086 kg              |
|                         | 48 ±0.015<br>30±0.015 |



| Connection | plate VP 117 | VP · |
|------------|--------------|------|
|            |              |      |

| Order number | 50077121 |
|--------------|----------|
|              |          |
|              |          |

0.393 kg



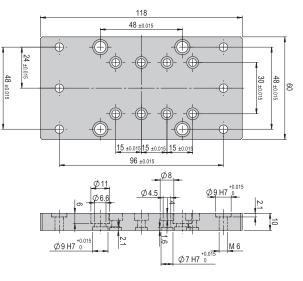
#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 4x Mounting screw M4x16
- 4x Mounting screw M6x20
- 4x Mounting screw M6x30
- 4x Special screw M6 x 20/11

| Order number            | 50077122 |
|-------------------------|----------|
| Connection plate VP 118 | VP 118   |

Net weight

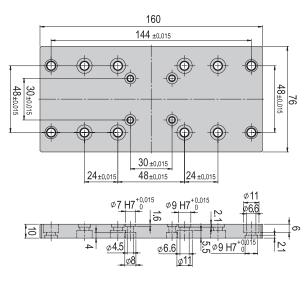
0.171 kg



#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 2x Centering bushing Ø9x4
- 4x Mounting screw M4x12
- 4x Mounting screw M6x16
- 4x Mounting screw M6x20

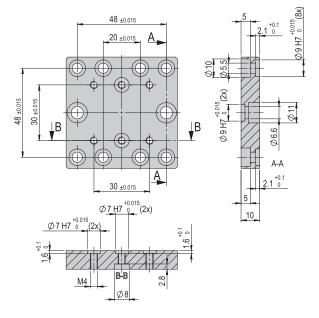
| Connection plate VP 119 | VP 119   |
|-------------------------|----------|
| Order number            | 11017417 |
| Net weight              | 0.298 kg |



#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 4x Centering bushing Ø9x4
- 4x Mounting screw M4x14
- 4x Mounting screw M6x12
- 8x Mounting screw M6x16

| 11010369 |
|----------|
| 0.079 kg |
|          |



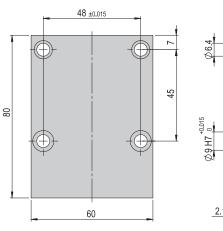
#### Inlcuded in the delivery

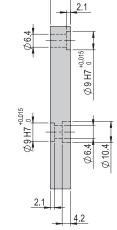
- 4x Centering bushing Ø9x4
- 2x Mounting screw M4x12
- 4x Mounting screw M5x16
- 4x Mounting screw M6x16

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.

| Connection plate VP 122 | VP 122   |
|-------------------------|----------|
| Order number            | 11001621 |
| Net weight              | 0.123 kg |

| Connection plate VP 125 | VP 125   |
|-------------------------|----------|
| Order number            | 50017888 |
| Net weight              | 0.409 kg |





10

#### Inlcuded in the delivery

- 4x Centering bushing Ø9x4
- 2x Mounting screw M6x16
- 2x Mounting screw M6x20

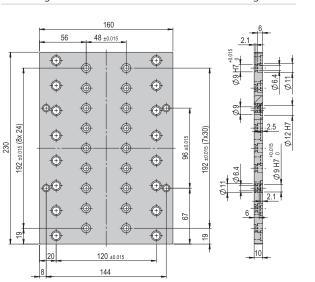
| -• | 8       | 144        | ±0.015     |                   | <u>6</u><br>2.1         |
|----|---------|------------|------------|-------------------|-------------------------|
|    | •       | ¢          | ÷          | •                 | 06 06.41                |
|    | <b></b> | ¢          | •          | ⊕<br>14 96 ±0.015 | ∞9 H5 <sup>+0,006</sup> |
|    | 56      | 48±0<br>16 | 0.015<br>0 |                   | 2.1                     |

#### Inlcuded in the delivery

8x Centering bushing Ø9x4

8x Mounting screw M6x16

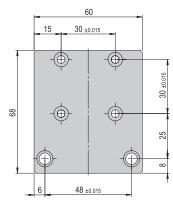
| Connection plate VP 126 | VP 126   |
|-------------------------|----------|
| Order number            | 50077130 |
| Net weight              | 1.04 kg  |

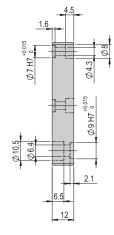


#### Inlcuded in the delivery

- 4x Centering bushing Ø9x4
- 2x Centering bushing Ø12x4.8
- 4x Mounting screw M6x12
- 4x Mounting screw M6x18
- 4x Mounting screw M8x25

| Connection plate VP 127 | VP 127   |
|-------------------------|----------|
| Order number            | 50003068 |
| Net weight              | 0.122 kg |



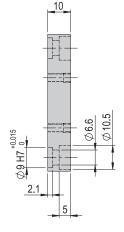


ø11

- 2x Centering bushing Ø7x3
- 2x Centering bushing Ø9x4
- 4x Mounting screw M4x14
- 4x Mounting screw M4x20
- 2x Mounting screw M6x12
- 2x Mounting screw M6x20

| Connection plate VP 128 | VP 128   |  |  |
|-------------------------|----------|--|--|
| Order number            | 11005908 |  |  |
| Net weight              | 0.015 kg |  |  |

| T         |     |  | -         |                   |
|-----------|-----|--|-----------|-------------------|
| 48 ±0.015 | M 4 |  | 22 ±0.015 | Ø4 K7 -0003 / 3.1 |

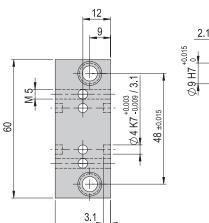


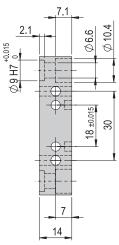
#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 2x Mounting screw M4x30
- 2x Mounting screw M6x20
- 2x Washer M4

| Order number            | 11001440 |
|-------------------------|----------|
| Connection plate VP 129 | VP 129   |

## Net weight 0.045 kg





4

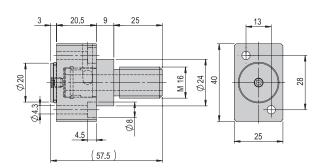
38

#### Inlcuded in the delivery

24

- 2x Centering bushing Ø9x4
- 2x Mounting screw M6x20

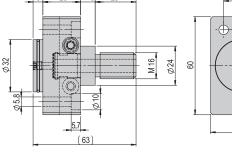
| Connection plate VP 130 | VP 130   |  |  |
|-------------------------|----------|--|--|
| Order number            | 11009167 |  |  |
| Net weight              | 0.121 kg |  |  |



### Inlcuded in the delivery

- 2x Mounting screw M4x25
- 1x Set screw M5x6
- 1x Set screw M6x8
- 1x O-ring 15x1 mm
- 1x O-ring 18x1.5 mm
- 1x Lardon

| Connection plate VP 131 | VP 131   |  |  |
|-------------------------|----------|--|--|
| Order number            | 11009168 |  |  |
| Net weight              | 0.241 kg |  |  |
| 6 23 9 25               | 22       |  |  |



## [**-**\_\_\_\_]

- Inlcuded in the delivery
- 2x Mounting screw M5x30
- 1x Set screw M5x6
- 1x O-ring 15x1 mm
- 1x O-ring 29x1.5 mm

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.

| Connection plate VP 132 | VP 132   |
|-------------------------|----------|
| Order number            | 11004894 |
| Net weight              | 0.747 kg |

| Connection plate VP 133 | VP 133   |
|-------------------------|----------|
| Order number            | 11004975 |
| Net weight              | 0.747 kg |

+0.015

¢9H7⁺

Ø15

9

#### 118 24 40 2.1 Ø 104 ¢ ۲ 06.4 ¢9 H7⁺ **144**±0.015 160 50 08.4 5 55 9 $\infty$ 48 ± 0.015 20 15

### Inlcuded in the delivery

- 4x Centering bushing Ø9x4
- 4x Mounting screw M6x20
- 4x Mounting screw M8x25

|    | <br>118  | 0 19     |                  | 15                                   |
|----|----------|----------|------------------|--------------------------------------|
|    | •        |          |                  | 0104<br>0664                         |
| 40 | $\oplus$ | $\oplus$ | 144±0.015<br>160 | 8<br>8<br>4<br>1<br>1<br>1<br>1<br>1 |
| 60 |          | +        |                  |                                      |

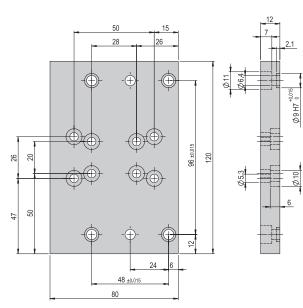
#### Inlcuded in the delivery

Đ

48±0.015

- 4x Centering bushing Ø9x4
- 4x Mounting screw M6x20
- 4x Mounting screw M8x16
- 4x T-nut M8

| Connection plate VP 134 | VP 134   |
|-------------------------|----------|
| Order number            | 11014949 |
| Net weight              | 0.282 kg |



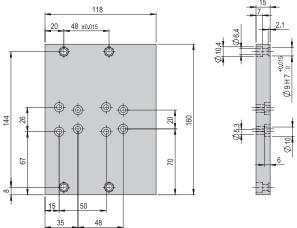
#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 4x Mounting screw M5x12
- 4x Mounting screw M5x16
- 4x Mounting screw M6x20
- 4x T-nut M5

| Connection plate VP 135 | VP 135   |
|-------------------------|----------|
| Order number            | 11014954 |
| Net weight              | 0.747 kg |
|                         | . 15 .   |

 $\infty$ 

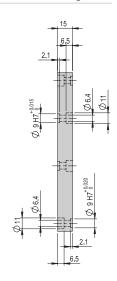
20



- 2x Centering bushing Ø9x4
- 4x Mounting screw M5x12
- 4x Mounting screw M5x16
- 4x Mounting screw M6x20
- 4x T-nut M5

| Connection plate VP 136 | VP 136   |
|-------------------------|----------|
| Order number            | 11014931 |
| Net weight              | 0.747 kg |

|     |          | 118          | -          |
|-----|----------|--------------|------------|
|     |          | 48±0.015 35  |            |
| 160 | 48±0.015 |              | 144 ±0.015 |
| L   |          | 48±0.015 _20 | Ī          |



1.6 °0.1

Ø4.3 +0.01

12

Ø7 H7 0

1.6 0.1

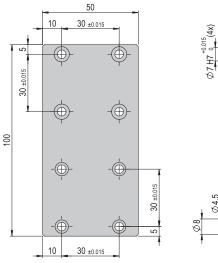
+0.015Ø7 H7

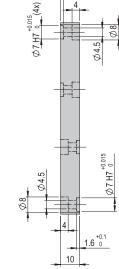
#### Inlcuded in the delivery

- 4x Centering bushing Ø9x4
- 4x Mounting screw M6x16
- 4x Mounting screw M6x20

#### **Order number** 50095813

Net weight 0.126 kg

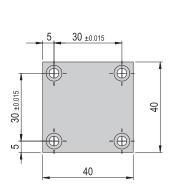


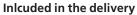


#### Inlcuded in the delivery

- 4x Centering bushing Ø7x3
- 4x Mounting screw M4x10
- 8x Mounting screw M4x14

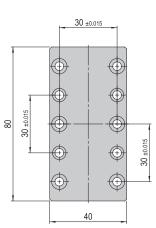
| Connection plate VP 138 | VP 138   |
|-------------------------|----------|
| Order number            | 50001370 |
| Net weight              | 0.049 kg |

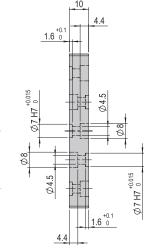




- 2x Centering bushing Ø7x3
- 4x Mounting screw M4x30

| Connection plate VP 139 | VP 139   |
|-------------------------|----------|
| Order number            | 11017960 |
| Net weight              | 0.078 kg |



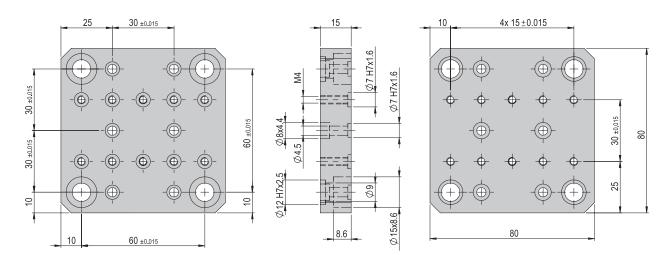


#### Inlcuded in the delivery

- 4x Centering bushing Ø7x3
- 8x Mounting screw M4x14

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.

| Connection plate VP 140 | VP 140   |
|-------------------------|----------|
| Order number            | 50214488 |
| Net weight              | 0.3 kg   |



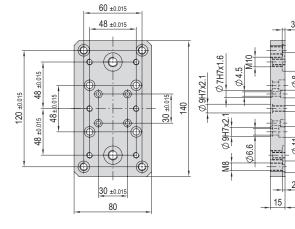
3

#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 2x Centering bushing Ø12x4.8
- 4x Mounting screw M4x18
- 4x Mounting screw M8x20

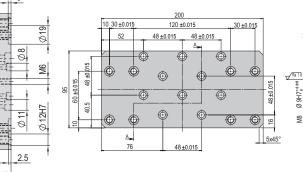
| Connection plate VP 142 | VP 142   |
|-------------------------|----------|
| Order number            | 50272311 |
| Net weight              | 0.465 kg |

| Connection plate VP 143 | VP 143   |
|-------------------------|----------|
| Order number            | 50272384 |
| Net weight              | 0.789 kg |



#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 4x Special screw M8 x 30/15
- 4x Mounting screw M4x20
- 4x Mounting screw M6x20



- 4x Centering bushing Ø9x4
- 4x Special screw M8 x 30/15
- 4x Mounting screw M6x20

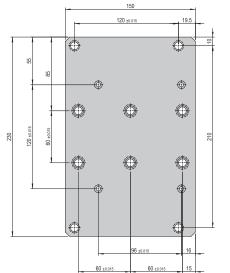
| Connection | plate VP 144 | VP 144 |  |
|------------|--------------|--------|--|
|            |              |        |  |

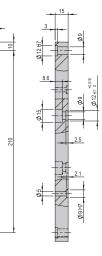
| - | O | rd | er | nu | m | be | r |  |
|---|---|----|----|----|---|----|---|--|
|   |   |    |    |    |   |    |   |  |

#### Net weight

1.46 kg

50280005





#### Inlcuded in the delivery

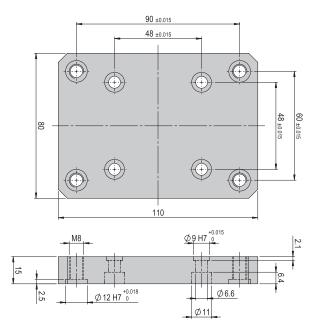
- 2x Centering bushing Ø12x4.8
- 4x Mounting screw M6x20
- 4x Mounting screw M8x20
- 4x Mounting screw M8x30

| Connection plate VP 146  | VP 146                                  |
|--|---|
| Order number   | 50331960                                |
| Net weight   | 0.36 kg                                 |
| 155  |   |
| 8.5 48 ±0.015 42 4   | 8 ±0.015 8.5                            |
|  |   |
|  | ⊕ ⊕ ⊕<br>⊕ ⊕ ⊕<br>15 <u>30 ±0015</u> 15 |
| ده<br>17.5 <u>30 ±0.015</u> 60 3   | 30 ±0.015 17.5                          |
| $\begin{array}{c c} & & & & & & & & \\ & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & &$ | φ11<br>φ6.6<br>φ9.H7<br>φ7.H7           |

#### Inlcuded in the delivery

- 4x Centering bushing Ø7x3
- 4x Centering bushing Ø9x4
- 8x Mounting screw M4x14
- 4x Mounting screw M6x12
- 8x Mounting screw M6x16

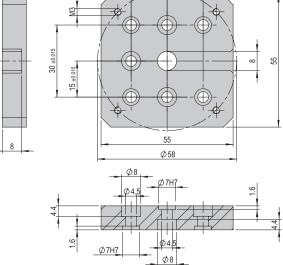
| Connection plate VP 145 | VP 145   |
|-------------------------|----------|
| Order number            | 50272309 |
| Net weight              | 0.368 kg |



#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 4x Mounting screw M6x20

| Connection | plate VP 147 | VP 147   |
|------------|--------------|----------|
| Order num  | per          | 50332006 |
| Net weight |              | 0.07 kg  |
|            | 30 ±0.015    |          |



#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 4x Mounting screw M4x14

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.

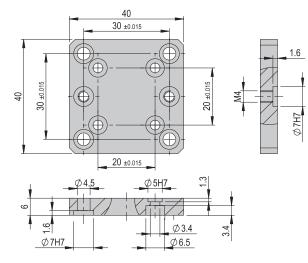
| Connection plate VP 148 | VP 148   |
|-------------------------|----------|
| Order number            | 50332008 |
| Net weight              | 0.181 kg |

| 4.4<br>9 00<br>9 00<br>9 00<br>9 00<br>9 00<br>9 00<br>9 00<br>9 0 | 75<br>48 ±0.015<br>24 ±0.015<br>24 ±0.015<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  |
|--|---|
| 21<br>64   | 011<br>06.6 09H7<br>√1<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H7<br>09H |

#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 4x Mounting screw M6x16

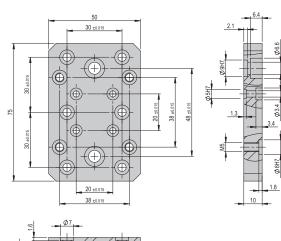
| Connection plate VP 149 | VP 149   |
|-------------------------|----------|
| Order number            | 50332010 |
| Net weight              | 0.03 kg  |
|                         |          |

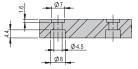


#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 4x Mounting screw M3x10
- 2x Mounting screw M4x10
- 4x Mounting screw M4x14
- 2x Centering bushing Ø5x2.5

| Connection plate VP 150 | VP 150   |
|-------------------------|----------|
| Order number            | 50333787 |
| Net weight              | 0.12 kg  |





#### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 2x Centering bushing Ø9x4
- 4x Mounting screw M3x14
- 4x Mounting screw M4x12
- 2x Mounting screw M6x14
- 2x Centering bushing Ø5x2.5

| Order number | 50353062  |
|--------------|---|
| Net weight   | 0.05 kg   |
|              | 4<br>1.6<br><i>LHL</i> Ø<br><b>FE</b> Ø<br><b>B</b><br><b>B</b><br><b>B</b><br><b>B</b><br><b>B</b><br><b>B</b><br><b>B</b><br><b>B</b> |

#### Inlcuded in the delivery

2x Centering bushing Ø7x3

 $(\oplus)$ 

 $(\oplus)$ 

20 ±0.015

40

- 2x Mounting screw M2.5x10
- 2x Mounting screw M3x10
- 6x Mounting screw M4x12

Ø5.5

Ø2.9

2.9

3.4

10

1.1

| Order number            | 50353197 |
|-------------------------|----------|
| Connection plate VP 152 | VP 152   |

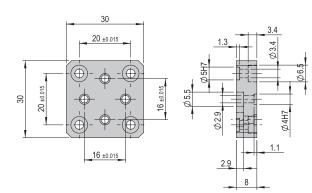
| Order number | 5035319 |
|--------------|---------|
| Net weight   | 0.02 kg |

| anne | oction | nlate | VP 153 |
|------|--------|-------|--------|
|      |        | DIGUE | VF IJJ |

**Order number** 

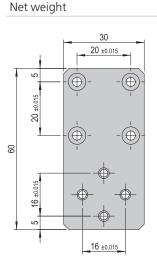
### VP 153 50353229

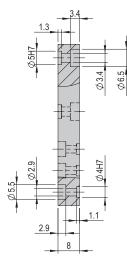
0.11 kg



#### Inlcuded in the delivery

- 2x Mounting screw M2.5x8
- 4x Mounting screw M3x10
- 2x Centering bushing Ø5x2.5

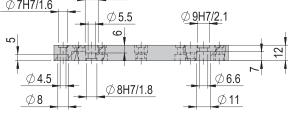




#### Inlcuded in the delivery

- 2x Mounting screw M2.5x8
- 4x Mounting screw M3x10
- 2x Centering bushing Ø5x2.5

| Connection plate VP 154  | VP 154   |
|--|----------|
| Order number   | 50400907 |
| Net weight   | 0.418 kg |
| 96 ±0.015<br>38 ±0.015<br>38 ±0.015<br>9000<br>9000<br>9000<br>9000<br>9000<br>9000<br>9000<br>9 | €<br>32  |
| <u>4 x 30 ±0.015</u><br>134  |          |
| <u>Ø10</u><br><u>Ø7H7/1.6</u> Ø55  | 9H7/2 1  |



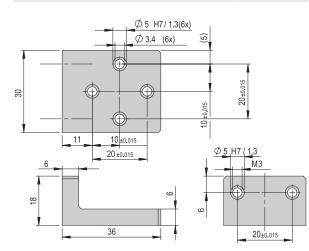
### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 2x Centering bushing Ø9x4
- 4x Mounting screw M4x14
- 6x Mounting screw M5x16
- 4x Mounting screw M6x16
- 2x Centering bushing Ø8x3.5

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.

## Angle plates VW

| Angle plate VW 300 | VW 300   |
|--------------------|----------|
| Order number       | 50077143 |
| Net weight         | 0.022 kg |

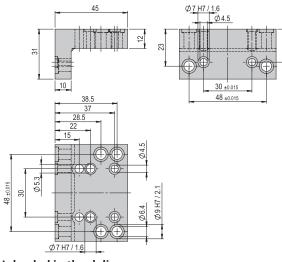


#### Inlcuded in the delivery

2x Mounting screw M3x12

2x Centering bushing Ø5x2.5

| Angle plate VW 302 | VW 302   |  |
|--------------------|----------|--|
| Order number       | 11012241 |  |
| Net weight         | 0.183 kg |  |

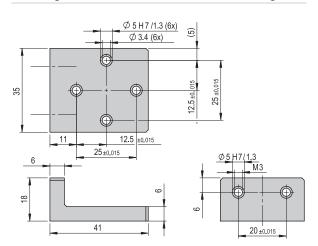


#### Inlcuded in the delivery

- 4x Centering bushing Ø9x4
- 2x Mounting screw M4x18
- 2x Mounting screw M5x20
- 4x Mounting screw M6x18
- 4x Mounting screw M6x25

- 2x Ribbed washer M4
- 2x Ribbed washer M5
- 8x Ribbed washer M6

| Angle plate VW 301 | VW 301   |  |
|--------------------|----------|--|
| Order number       | 50077144 |  |
| Net weight         | 0.029 kg |  |

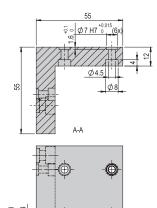


#### Inlcuded in the delivery

2x Mounting screw M3x12

2x Centering bushing Ø5x2.5

| Angle plate VW 303 | VW 303   |
|--------------------|----------|
| Order number       | 50077145 |
| Net weight         | 0.182 kg |



-@

20.5

30 ±0.015 А 30 22 A 60

48 ±0.015

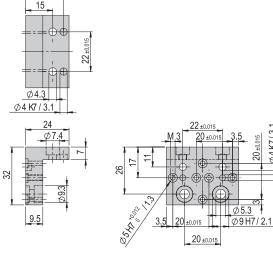
#### Inlcuded in the delivery

Ø11

- 2x Centering bushing Ø7x3
- 2x Centering bushing Ø9x4
- 6x Mounting screw M4x14
- 2x Mounting screw M6x18

| Angle plate VW 304 | VW 304   |
|--------------------|----------|
| Order number       | 11010702 |
| Net weight         | 0.038 kg |

| Angle plate VW 305 | VW 305   |
|--------------------|----------|
| Order number       | 50077224 |
| Net weight         | 0.046 kg |



#### Inlcuded in the delivery

2x Centering pin Ø4x6

21

- 2x Centering bushing Ø9x4
- 2x Mounting screw M4x8
- 2x Mounting screw M5x16

| -  | Ø4K7/3.1   | $\begin{array}{c c} 26 \\ \hline 20 \pm 0.015 \\ \hline 12 \\ \hline M4 \\ \hline \end{array}$ |                                      |
|----|------------|--|--------------------------------------|
| 40 | 22 ±0.015  | ¢4.3(2x)   | 0 20 ±0015<br>25 ±0.015<br>25 ±0.015 |
|    | 24<br>15 6 |  |                                      |
|    |            | 40   | 22±0.015                             |

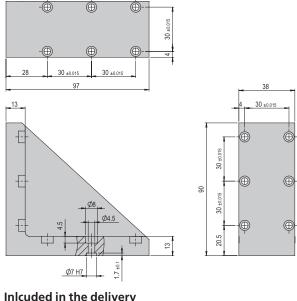
#### Inlcuded in the delivery

2x Centering pin Ø4x6

4 K7

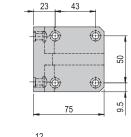
- 2x Mounting screw M3x10
- 2x Mounting screw M3x16
- 2x Mounting screw M4x8
- 2x Centering bushing Ø5x2.5

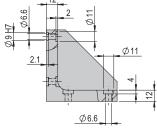
| Angle plate VW 308 | VW 308   | Ang<br>Ord |  |
|--------------------|----------|------------|--|
| Order number       | 50205299 |            |  |
| Net weight         | 0.35 kg  | Net        |  |

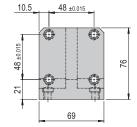


- 4x Centering bushing Ø7x3
- 6x Mounting screw M4x14
- 6x Mounting screw M4x20

| Angle plate VW 310 | VW 310   |
|--------------------|----------|
| Order number       | 50254008 |
| Net weight         | 0.462 kg |







#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 2x Mounting screw M6x16
- 4x Mounting screw M6x20
- 4x T-nut M6

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.

| Angle plate VW 311 | VW 311   |
|--------------------|----------|
| Order number       | 50254009 |
| Net weight         | 0.765 kg |

| Angle plate VW 312 | VW 312   |
|--------------------|----------|
| Order number       | 50254010 |
| Net weight         | 1.313 kg |

20

15

60 ±0.015

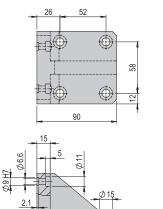
ž

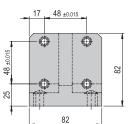
60 ±0.015

100

٢

8





#### Inlcuded in the delivery

Ø9

- 2x Centering bushing Ø9x4
- 4x Mounting screw M6x25
- 4x Mounting screw M8x25
- 4x T-nut M8

|              | - | 1/ 40 ±0.  | 015     |    |  |
|--------------|---|------------|---------|----|--|
|              |   |            |         |    |  |
| 1            |   |            | •       | 1  |  |
| 40 ±0.015    |   |            |         |    |  |
| <del>1</del> |   | .ets       | .684    | 82 |  |
| 22           |   | ╼᠊ᢩᠿᢪᢇ᠆ᢩᡰ᠁ | ┟╌╶╋╪╦╴ |    |  |
| 1            |   |            |         | t  |  |
|              |   | 82         |         |    |  |



100

Ø12H7

2.5

## Inlcuded in the delivery

Ø9\_

- 2x Centering bushing Ø12x4.8
- 4x Mounting screw M8x25 4x Mounting screw M8x30
- 4x T-nut M8

28

68

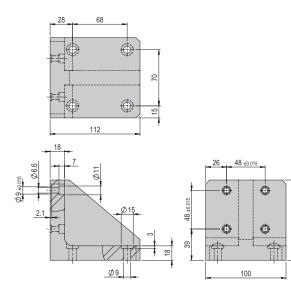
112

Ø 15

٢

 $\oplus$ 

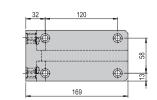
| Angle plate VW 313 | VW 313   | An |
|--------------------|----------|----|
| Order number       | 50254011 | Or |
| Net weight         | 1.277 kg | Ne |

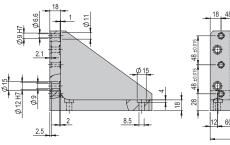


#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 4x Mounting screw M6x25
- 4x Mounting screw M8x25
- 4x T-nut M8

| Angle plate VW 314 | VW 314   |  |
|--------------------|----------|--|
| Order number       | 50254012 |  |
| Net weight         | 1.758 kg |  |





#### ±0.015 Φ 32 09 60 ±0.015 84

0

- 2x Centering bushing Ø9x4
- 4x Mounting screw M6x30
- 4x Mounting screw M8x25
- 4x T-nut M8

| Order number       | 50254013 |
|--------------------|----------|
| Angle plate VW 315 | VW 315   |

3.075 kg

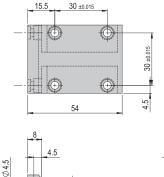
|     |        | j i i i     |
|-----|--------|-------------|
|     |        |             |
| 211 | 15     |             |
|     | 500±09 | 23 60 ±0015 |
|     |        |             |
|     | Ø13.5  | 106         |

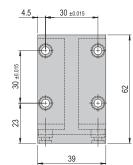
#### Inlcuded in the delivery

- 2x Centering bushing Ø12x4.8
- 4x Mounting screw M8x35
- 4x Mounting screw M10x20
- 4x T-nut M10

Net weight

| Angle plate VW 316 | VW 316   |
|--------------------|----------|
| Order number       | 50279234 |
| Net weight         | 0.21 kg  |





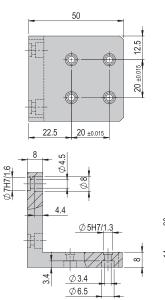
#### Inlcuded in the delivery

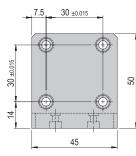
Ø7 H7

1.3

- 2x Centering bushing Ø7x3
- 4x Mounting screw M4x14
- 4x Mounting screw M4x20

| Angle plate VW 317 | VW 317   |
|--------------------|----------|
| Order number       | 50373127 |
| Net weight         | 0.099 kg |





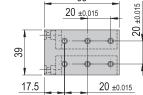
#### Inlcuded in the delivery

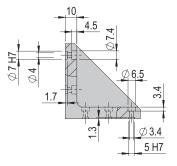
- 2x Centering bushing Ø7x3
- 4x Mounting screw M3x12
- 4x Mounting screw M4x12
- 2x Centering bushing Ø5x2.5

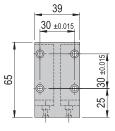
| Angle plate VW 318 |  |
|--------------------|--|
| Order number       |  |

| 50390283 |
|----------|
| 0.162 kg |

| Net weight |      |   |
|------------|------|---|
|            | - 65 | - |







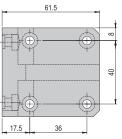
#### Inlcuded in the delivery

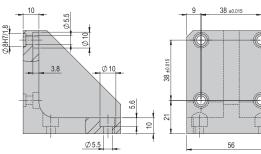
- 2x Centering bushing Ø7x3
- 6x Mounting screw M3x14
- 4x Mounting screw M4x14
- 2x Centering bushing Ø5x2.5

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.

| Angle plate VW 319 | VW 319   |
|--------------------|----------|
| Order number       | 50396474 |
| Net weight         | 0.25 kg  |

| Angle plate VW 320 | VW 320   |
|--------------------|----------|
| Order number       | 50396475 |
| Net weight         | 0.32 kg  |

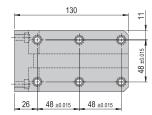


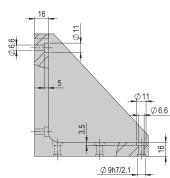


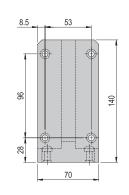
#### Inlcuded in the delivery

- 2x Centering bushing Ø8x3.5
- 4x Mounting screw M5x10
- 4x Mounting screw M5x16
- 4x T-nut M5

| Angle plate VW 321 | VW 321   |
|--------------------|----------|
| Order number       | 50396476 |
| Net weight         | 1.19 kg  |

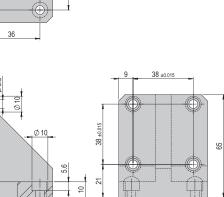


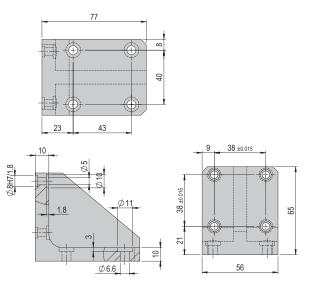




#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 4x Mounting screw M6x20
- 6x Mounting screw M6x25
- 4x T-nut M6

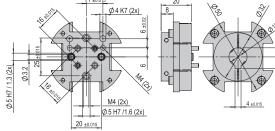




- 4x Mounting screw M5x18
- 2x Centering bushing Ø8x3.5
- 4x Mounting screw M6x16
- 4x T-nut M6

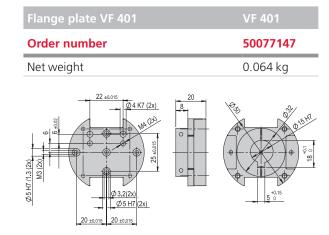
## Flange plates VF

| Flange plate VF 400 | VF 400   |
|---------------------|----------|
| Order number        | 50077146 |
| Net weight          | 0.06 kg  |
| 11 40.016           | 20       |



#### Inlcuded in the delivery

- 2x Mounting screw M2.5x10
- 2x Mounting screw M3x12
- 2x Centering bushing Ø5x2.5



#### Inlcuded in the delivery

- 2x Mounting screw M3x12
- 2x Centering bushing Ø5x2.5

| Flange plate VF 403  | VF 403   |
|--|----------|
| Order number   | 50077217 |
| Net weight   | 0.039 kg |
| 900F 00<br>900F 00<br>900 |          |

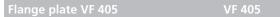
### Inlcuded in the delivery

- 2x Centering bushing Ø7x3
- 2x Centering bushing Ø9x4
- 2x Mounting screw M3x14
- 4x Mounting screw M4x16
- 4x Mounting screw M5x20

| Flange plate VF 404      | VF 404   |
|--------------------------|----------|
| Order number             | 50077218 |
| Net weight               | 0.374 kg |
|                          |          |
| Inlcuded in the delivery |          |

- 2x Centering bushing Ø9x4
- 4x Mounting screw M5x25

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.



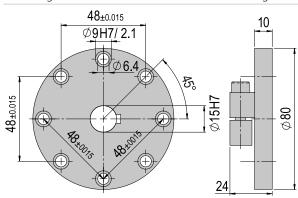
#### Order number 50077219 Net weight 0.527 kg 48±0.015 12 14 Ø9H7/2.1 Ø5 16 $\oplus$ Õ ōt ٢ • **48**±0.015 $30_{\pm 0.015}$ Ø80 0 F Õ ė Ø4.5 <u>30±0.015</u> Ø7H7/ 1.6 59

Inlcuded in the delivery 4x Mounting screw M4x20

| Flange plate VF 406 | VF 406   |
|---------------------|----------|
| Order number        | 50077220 |

Net weight

0.173 kg



#### Inlcuded in the delivery

- 2x Centering bushing Ø9x4
- 4x Mounting screw M6x18
- 4x Mounting screw M6x25

| Flange plate VF 407  | VF 407   |
|--|----------|
| Order number   | 11001847 |
| Net weight   | 0.274 kg |
| 48±0.015<br>Ø9H7/2.1<br>Ø6.4<br>Ø6.4<br>Ø9H7/2.1<br>Ø9H7/2.1<br>Ø9H7/2.1<br>Ø9H7/2.1<br>Ø9H7/2.1<br>Ø9H7/2.1<br>Ø9H7/2.1 |          |

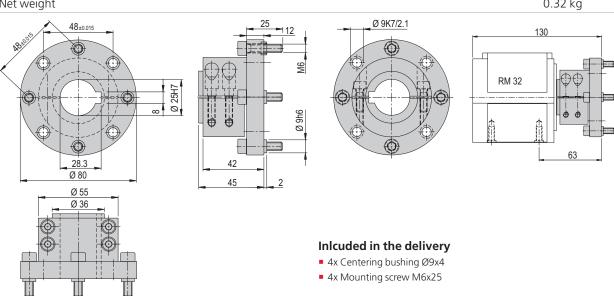
#### Inlcuded in the delivery

2x Centering bushing Ø9x4

4x Mounting screw M6x25

#### **Order number**

### Net weight



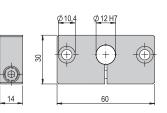
## **Order number**

Net weight

 $\phi$  80

11001825

0.075 kg



#### Inlcuded in the delivery

Ø<u>9 H7 / 2.1</u> Ø6.4

12

2x Centering bushing Ø9x4

48 ±0.015

4x Mounting screw M6x20

11001821

0.32 kg

## Connecting set VS

| Connecting set VS 500    | VS 500   |
|--------------------------|----------|
| Order number             | 50074821 |
| Net weight               | 0.01 kg  |
| Inlcuded in the delivery |          |

4x Special screw M4 x 18/9

| Connecting set VS 502 | VS 502   |
|-----------------------|----------|
| Order number          | 50074823 |
| Net weight            | 0.01 kg  |
|                       |          |

#### Inlcuded in the delivery

• 4x Special screw M6 x 20/11

| Connecting set VS 504 | VS 504   |
|-----------------------|----------|
| Order number          | 50074825 |
| Net weight            | 0.18 kg  |

#### Inlcuded in the delivery

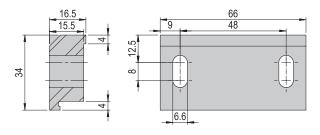
- 4x Mounting screw M8x30
- 4x Mounting screw M8x40
- 4x T-nut M8

| Connecting set VS 506 | VS 506   |
|-----------------------|----------|
| Order number          | 50077086 |
| Net weight            | 0.01 kg  |

#### Inlcuded in the delivery

2x Special screw M6 x 36/8

| Connecting set VS 508 | VS 508   |
|-----------------------|----------|
| Order number          | 50254005 |
| Net weight            | 0.077 kg |
| Suitable for          | PEZ-65   |



#### Inlcuded in the delivery

- 4x Mounting screw M6x30
- 2x Washer M6
- 1x Clamping jaws PEZ-65

| Connecting set VS 501    | VS 501   |
|--------------------------|----------|
| Order number             | 50074822 |
| Net weight               | 0.01 kg  |
| Inlcuded in the delivery |          |

• 4x Special screw M6 x 36/8

| Connecting set VS 503 | VS 503   |
|-----------------------|----------|
| Order number          | 50074824 |
| Net weight            | 0.005 kg |

#### Inlcuded in the delivery

2x Special screw M3 x 10/4

| Connecting set VS 505 | VS 505   |
|-----------------------|----------|
| Order number          | 50074827 |
| Net weight            | 0.044 kg |

#### Inlcuded in the delivery

- 4x Mounting screw M4x25
- 4x Mounting screw M5x35

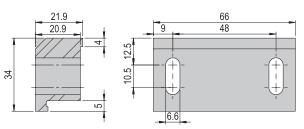
4x T-nut M4

| Connecting set VS 507 | VS 507   |
|-----------------------|----------|
| Order number          | 50077087 |
| Net weight            | 0.01 kg  |

#### Inlcuded in the delivery

2x Special screw M6 x 56/11

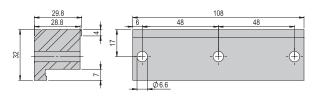
| Connecting set VS 509 | VS 509                       |
|-----------------------|------------------------------|
| Order number          | 50254006                     |
| Net weight            | 0.287 kg                     |
| Suitable for          | PEZ-80, PEZ-100, PDZ-<br>160 |



- 2x Mounting screw M6x35
- 2x Washer M6
- 1x Clamping jaws PEZ-80/100 PDZ-160

## Connecting set VS

| Connecting set VS 510 | VS 510   |
|-----------------------|----------|
| Order number          | 50254007 |
| Net weight            | 0.256 kg |
| Suitable for          | PDZ-200  |



| Connecting set VS 511 | VS 511   |
|-----------------------|----------|
| Order number          | 50332465 |
| Net weight            | 0.03 kg  |

#### Inlcuded in the delivery

2x Special screw M6 x 25/9

| Order number          | 50353058 |
|-----------------------|----------|
| Connecting set VS 512 | VS 512   |
|                       |          |

| Net weight | 0.01 kg |
|------------|---------|
|            |         |

#### Inlcuded in the delivery

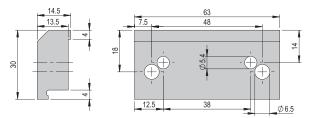
Inlcuded in the delivery3x Mounting screw M6x45

1x Clamping jaws PDZ-200

2x Washer M6

2x Special screw M4 x 16/5

| Connecting set VS 513 | VS 513          |
|-----------------------|-----------------|
| Order number          | 50396482        |
| Net weight            | 0.089 kg        |
| Suitable for          | PEZ-52, PDZ-128 |



#### Inlcuded in the delivery

- 2x Mounting screw M5x25
- 2 Mounting screw M6x25
- 2x Washer M5
- 2x Washer M6
- 1x Clamping jaws PEZ-52 & PDZ-128

| Connecting set VS 514 | VS 514   |  |  |
|-----------------------|----------|--|--|
| Order number          | 50401765 |  |  |
| Net weight            | 0.005 kg |  |  |

| Connecting set VS 515 | VS 515   |
|-----------------------|----------|
| Order number          | 50403642 |
| Net weight            | 0.05 kg  |

#### Inlcuded in the delivery

2x Special screw M2.5 x 10/5

#### Inlcuded in the delivery

2x Special screw M2.5 x 22/5-10

Note: Connection plate, angle plates, flange plates can also be manufactured by the customer itself, please have a look at our website www.afag.com where you can download shop drawings free of charge.

## Special screws

|              | screw  | E 4 (    |  |
|--------------|--------|----------|--|
| a Ye Yelle 1 | SCIENT | -5 V I I |  |
| peciai       | JULAN  |          |  |

| Order number | 50389779 |
|--------------|----------|

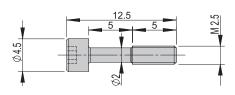
0.001 kg

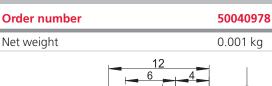
50001373

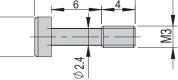
0.002 kg

50060095

Net weight

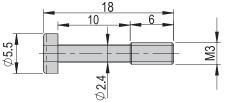






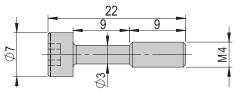
 $\phi_{5.5}$ 

**Order number** 50035812 Net weight 0.001 kg



**Order number** 

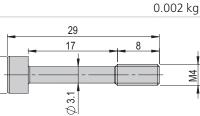
Net weight



**Order number** 



6



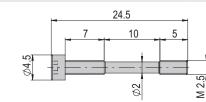
### Order number

### 50403640

Net weight



0.001 kg



Order number

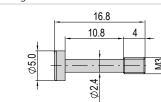
50473379

Net weight



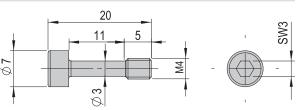
50353043

0.002 kg



## Order number

Net weight



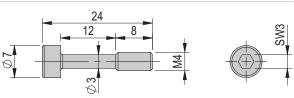
**Order number** 

**Order number** 

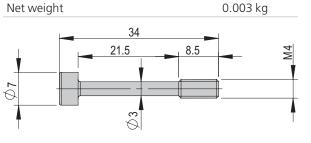
Net weight

50101005

0.002 kg



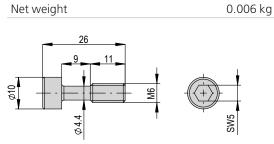
50001374



## Special screws

Order number

Net weight



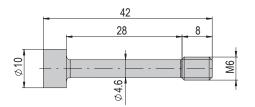
Order number

11005014

Net weight

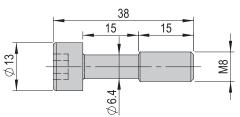
0.001 kg

50035662



|            | Order number |  |
|------------|--------------|--|
| Net weight | Net weight   |  |

50332560 0.016 kg

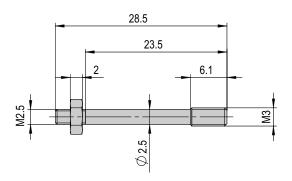


**Order number** 

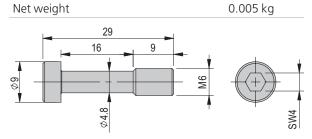
Net weight

0.002 kg

50561844



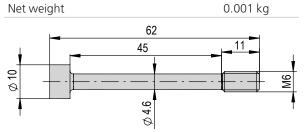
## **Order number**



Order number

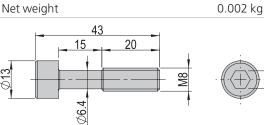
11005015

50101720



Order number Net weight

50244904





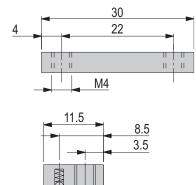
## T-nuts

| long     | short                      |
|----------|----------------------------|
| 11014646 | 11002448                   |
| 0.01 kg  | 0.01 kg                    |
| PMP-c    | PMP-c                      |
|          | <b>11014646</b><br>0.01 kg |



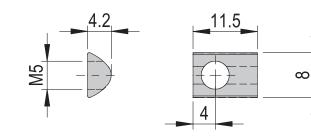
l=11.5

4.2



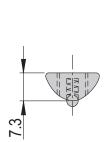
M4

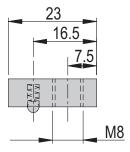
| T-nut M5     |                                     |
|--------------|-------------------------------------|
| Order number | 11011070                            |
| Net weight   | 0.001 kg                            |
| Suitable for | PEZ-52<br>PEZ-65, PDZ-128 side slot |



| T-nut M6     |   |
|--------------|---|
| Order number | 50252676  |
| Net weight   | 0.004 kg  |
| Suitable for | PEZ-65<br>PEZ-80, PEZ-100,<br>PDZ-160 side slot<br>PDZ-128 bottom |
|              |   |

| T-nut M8     |                   |
|--------------|-------------------|
| Order number | 11002452          |
| Net weight   | 0.009 kg          |
|              | PEZ-80, PEZ-100,  |
| Suitable for | PDZ-160, PMP      |
|              | PDZ-200 side slot |





T-nut M10

| Order number | 50252678 |
|--------------|----------|
| Net weight   | 0.035 kg |
| Suitable for | PDZ-200  |

