Mounting subplates type BA-214, 314 and 244
Multi-station, for valves ISO 4401 size 06 and 10

BA-214, BA-314 and BA-244 are multi-station subplates for assembling of directional and modular valves with mounting surface ISO 4401, size 06 and 10. They are made in cast iron with high corrosion protection black zinc surface treatment, and they are provided with P, T passing through lines and A, B user ports connections.

BA-214 are multi-station subplates with 1 to 10 stations for valves ISO size 06.

BA-314 are multi-station subplates with 1 to 6 stations for valves ISO size 10.

BA-244 are modular subplates with 1 to 4 stations for valves ISO 4401 size 06.

They are designed for installation on power units cover and they can be easily assembled together by means of n° 4 screws M6 class 12.9 (included in the supply), combining up to max 12 stations.

### 1 MODEL CODE OF SUBPLATES TYPE BA-214 and BA-314

| BA-214 | 5 | P | *
| --- | --- | --- | ---

**Type of subplate:**
- BA-214 = for valves ISO size 06
- BA-314 = for valves ISO size 10

**Number of stations**, see section 4.5.6:
- 1 = one station
- 2 = two stations
- 3 = three stations
- 4 = four stations
- 5 = five stations
- 6 = six stations (only for BA-214)
- 7 = seven stations (only for BA-214)
- 8 = eight stations (only for BA-214)
- 9 = nine stations (only for BA-214)
- 10 = ten stations (only for BA-214)

**Model** | **Port P** | **Port T** | **Ports A, B** | **Qmax** | **Qmax ports A, B** | **Pmax**
--- | --- | --- | --- | --- | --- | ---
BA-214 | G 1/2" | G 1/2" | G 3/8" lateral | 80 l/min | 60 l/min | 350 bar
BA-244/* | G 1/2" | G 1/2" | G 3/8" rear | 80 l/min | 60 l/min | 350 bar
BA-314 | G 3/4" | G 1" | G 3/4" lateral | 150 l/min | 100 l/min | 300 bar

- = with A and B lateral ports
P = with A and B rear ports (not for BA-214/1 and all BA-314)

### 2 MODEL CODE OF SUBPLATES TYPE BA-244

| BA-244 | *
| --- | ---

**Type of subplate:**
- BA-244 = modular subplate for valves ISO size 06

**Number of stations**:
- 1 = one station
- 2 = two stations
- 3 = three stations
- 4 = four stations

### 3 TECHNICAL CHARACTERISTICS

- **Installation position**: Any position. For BA-244, a maximum of 12 stations can be combined; in case of horizontal mounting proper brackets are recommended.
- **Operating pressure**: Ports P, T, A, B = **350 bar** (BA-214), **300 bar** (BA-314), **250 bar** (BA-244)
- See technical table of the valves to be assembled
- **Ambient temperature range**: -30°C to +70°C
- **Fluid**: Hydraulic oil as per DIN 51524...535, for other fluids contact our technical office
- **Recommended viscosity**: 15÷100 mm²/s - max allowed range: see the technical table of the valves to be assembled
- **Max fluid contamination level**: See technical table of the valves to be assembled and filter section at www.atos.com or KTF catalog
- **Fluid temperature**: See technical table of the valves to be assembled
- **Surface protection**: zinc coating with black passivation
- **Corrosion resistance**: Salt spray test (EN ISO 9227) > 200 h
- **Compliance**: RoHS Directive 2011/65/EU as last update by 2015/65/EU

See technical table of REACH Regulation (EC) n°1907/2006
OVERALL DIMENSIONS OF SUBPLATES TYPE BA-214 [mm]

Ports P and T = G 1/2" (passing through)
Ports A and B = G 3/8"
Qmax = 80 l/min
Qmax A and B ports = 60 l/min
Pmax = 350 bar

The length of the subplate depends on the number of stations as shown in the table below.

<table>
<thead>
<tr>
<th>Stations</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension A</td>
<td>70</td>
<td>120</td>
<td>170</td>
<td>220</td>
<td>270</td>
<td>320</td>
<td>370</td>
<td>420</td>
<td>470</td>
<td>520</td>
</tr>
<tr>
<td>Mass [Kg]</td>
<td>2</td>
<td>3.5</td>
<td>5</td>
<td>6.5</td>
<td>8</td>
<td>9.5</td>
<td>11</td>
<td>12.5</td>
<td>14</td>
<td>15.5</td>
</tr>
</tbody>
</table>

The 5-station version is shown in the drawing.

OVERALL DIMENSIONS OF SUBPLATES TYPE BA-314 [mm]

Ports P = G 3/4" (passing through)
Ports T = G 1" (passing through)
Ports A and B = G 3/4"
Qmax = 150 l/min
Qmax A and B use ports = 100 l/min
Pmax = 300 bar

The length of the subplate depends on the number of stations as shown in the table below.

<table>
<thead>
<tr>
<th>Stations</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension A</td>
<td>80</td>
<td>160</td>
<td>240</td>
<td>320</td>
<td>400</td>
</tr>
<tr>
<td>Mass [Kg]</td>
<td>4</td>
<td>8.5</td>
<td>13</td>
<td>17.5</td>
<td>22</td>
</tr>
</tbody>
</table>

The 5-station version is shown in the drawing.
OVERALL DIMENSIONS OF SUBPLATES TYPE BA-214/P [mm]

- Ports P and T = G 1/2"
- Ports A and B = G 3/8"
- Q_max = 80 l/min
- Q_max A and B ports = 60 l/min
- P_max = 350 bar

The length of the subplate depends on the number of stations as shown in the table below.

<table>
<thead>
<tr>
<th>Stations</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension A</td>
<td>160</td>
<td>210</td>
<td>260</td>
<td>310</td>
<td>360</td>
<td>410</td>
<td>460</td>
<td>510</td>
<td>560</td>
</tr>
<tr>
<td>Mass [Kg]</td>
<td>5.4</td>
<td>7</td>
<td>8.7</td>
<td>10.4</td>
<td>12.1</td>
<td>13.8</td>
<td>15.5</td>
<td>17.2</td>
<td>18.9</td>
</tr>
</tbody>
</table>

The 5-station version is shown in the drawing.

OVERALL DIMENSIONS OF SUBPLATES TYPE BA-244 [mm]

- Ports P and T = G 3/8" (passing through)
- Ports A and B = G 3/8"
- Ports M = G 1/4" (pressure gauge connecting)
- Q_max = 35 l/min
- Q_max A and B ports = 60 l/min
- P_max = 250 bar

The length of the subplate depends on the number of stations as shown in the table below.

<table>
<thead>
<tr>
<th>Stations</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension A</td>
<td>90</td>
<td>140</td>
<td>190</td>
<td>240</td>
</tr>
<tr>
<td>Mass [Kg]</td>
<td>2.5</td>
<td>3.5</td>
<td>5.2</td>
<td>7.0</td>
</tr>
</tbody>
</table>

The 3-station version is shown in the drawing.

Fastening bolts: 4 exagonal head screws M6x20 class 12.9 included in the supply
Tightening torque = 15 Nm
Seals: 2 CR-3081 included in the supply