

# AT4-1.8K

## Mechanical Flange Alignment Tool

The AT4-1.8K is a mechanical flange alignment tool that is used to correct:

- **linear misalignment** (when the axis of the two flanges are not aligned).
- **rotational misalignment** (when the axis of the flanges are aligned but the boltholes are not).

The AT4-1.8K can produce a maximum reaction alignment force of 18kN when a torque of 30Nm (22ft.Lb) is applied to the tool.

- High durability High Quality low Maintenance design.
- Tool weight 8Kg
- No external anchor points or rigging required
- Can be used to prevent misalignment during flange joint maintenance
- 100% Load tested and certified
- Prevents gasket pinching during flange joint assembly
- Torque wrench provided for accurate tool loading
- Robust Moulded Case for easy transportation & storage
- Bearings rated to provide overload warning



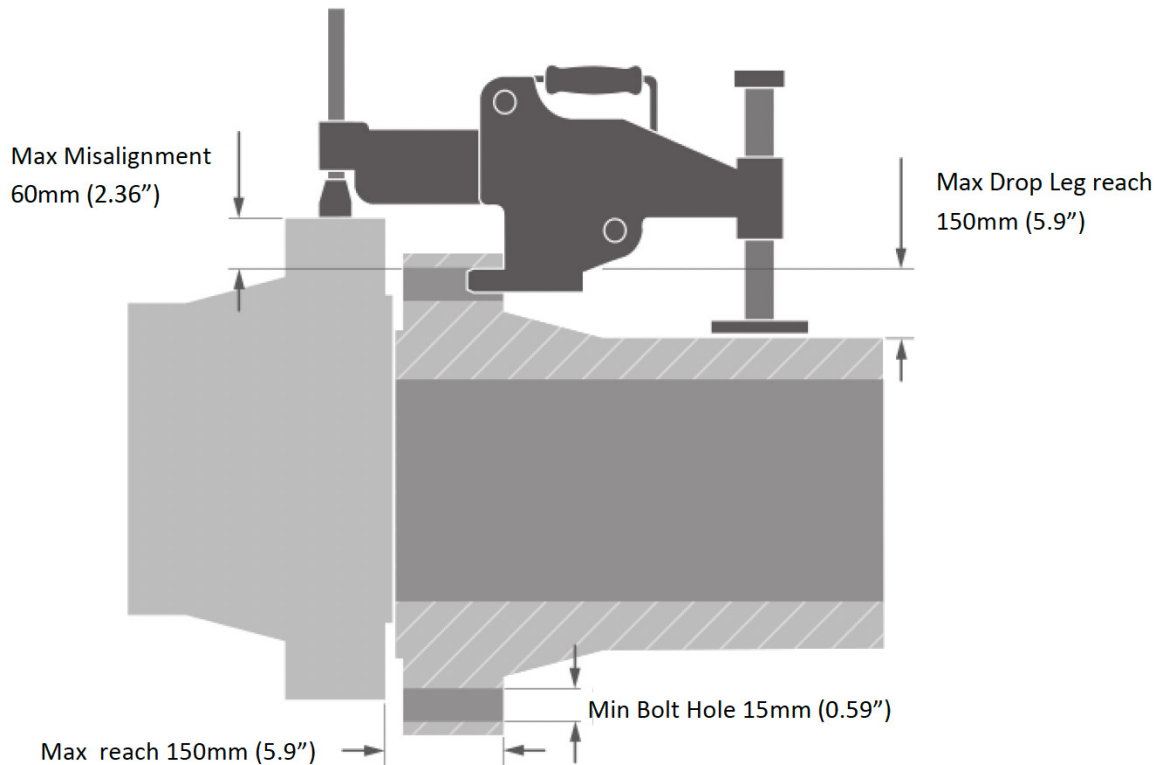
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# AT4-1.8K

## Mechanical Flange Alignment Tool



**Kit weight:** 12Kg

**Kit Dims.:** 580mm x 340mm x 180mm

**Tool Weight:** 8Kg

**Tool Dims.:** 100mm x 285mm x 380mm

**Product ordering code:** AT4-1.8k

### Kit Content

- 1 x AT4-1.8 Tool
- 1 x Torque wrench
- 1 x Ratchet and Strap
- 1 x Instruction Manual
- 1 x Robust moulded carry case



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# AT

## Flange Alignment Tools

The flange alignment tools are used to correct:

- **linear misalignment**  
(when the axis of the two flanges are not aligned)
- **rotational misalignment**  
(when the axis of the flanges are aligned but the bolt holes are not)

The mechanical flange alignment tool (AT4K) can produce a maximum reaction alignment force of 40kN (4T).

The hydraulic flange alignment tool (AT9K) is designed for medium and large flanges and can produce a maximum reaction alignment force of 90kN (9T) when the maximum hydraulic pressure of 10,000psi (700Bar) is applied to the tool.

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- **High durability High Quality low Maintenance design**
  - **No external anchor points or rigging required**
  - **Can be used to prevent misalignment during flange joint maintenance**
  - **100% Load/Pressure tested and certified**
  - **Prevents gasket pinching during flange joint assembly**
  - **Robust Moulded Case for easy transportation & storage**
  - **Bearings rated to provide overload warning**

# AT4K



A mechanical flange alignment tool provided with torque wrench for accurate tool loading



**Kit weight:** 12Kg (26.5lbs)

**Kit Dims.:** 580mm x 340mm x 180mm  
(22.8" x 13.4" x 7.1")

**Tool Weight:** 8Kg (17.6lbs)

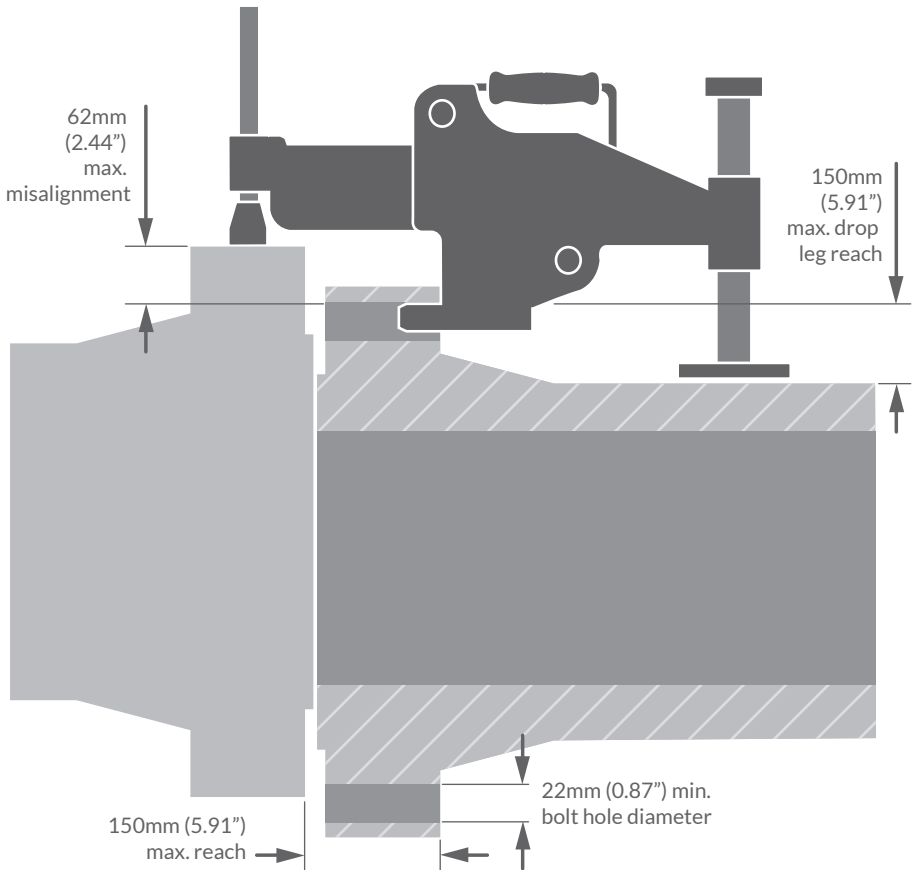
**Tool Dims.:** 100mm x 285mm x 380mm  
(3.9" x 11.2" x 15.0")

**Product ordering code:** AT4K

## Kit Content

- 1 x AT4 Tool
- 1 x Torque wrench
- 1 x Ratchet and Strap
- 1 x Instruction Manual
- 1 x Robust moulded carry case

## Application



# AT9K



A hydraulic flange alignment tool supplied with pressure rated and capacity matched pump for safety



**Oil Capacity:** 52cc

**Kit weight:** 26Kg (57.3lbs)

**Kit Dims.:** 920mm x 510mm x 210mm  
(36.2" x 20.1" x 8.3")

**Tool Weight:** 14.5Kg (32.0lbs)

**Tool Dims.:** 100mm x 230mm x 540mm  
(3.9" x 9.1" x 21.3")

**Product ordering code:** AT9K

## Kit Content

- 1 x AT9 Tool
- 1 x 10,000psi (700 Bar) Hydraulic Sealed Hand Pump
- 1 x 10,000psi (700 Bar) Hydraulic Hose 2.1M long
- 1 x 10,000psi (700 Bar) Hydraulic Gauge
- 1 x Ratchet and Strap
- 1 x Instruction Manual
- 1 x Robust moulded carry case

## Application

