RAS Assemblex Frame FAQ

Our assembly frames are the right ergonomic solution for you.
Mobile, tiltable and height-adjustable frames for wiring mounting plates and enclosures.

1. What is included in the Pre-Packaged Assembly Frame Kit?

- Ordering with Part Number 9973099 includes the following:
  1. 4050300 Assembly Frame.
  2. 4050219 and 4050222 US power adapters.
  3. 4050221 AE/WM Bracket kit to attached AE/WM mounting panels to the 4050300.
  4. 9973158 US clamping kit to all non-Rittal freestanding mounting panels to be attached to the 4050300.

2. How many versions of the Assembly Frames are available and what is the difference between them?

- The Assembly Frame is available in 3 versions:
  a. **4050150**
     1. The frame angle is adjustable from 0° to 80° by the use of a manual cranking handle.
     2. The working height is fixed at 1 m (39.4 in.).
     3. Weight capacity is 150 kg (330 lbs.).

  b. **4050200**
     1. The frame angle is adjustable from 0° to 80° by using a rechargeable battery and controller.
     2. The working height is fixed at 0.90 m (35.4 in.).
     3. Weight capacity is 200 kg (440.1 lbs.).

  c. **4050300**
     1. The frame angle is adjustable from 0° to 80° by using a rechargeable battery and controller.
     2. The working height is adjustable from 0.80 to 1.10 m (31.4 to 43.2 in.) by using a rechargeable battery and controller.
     3. Weight capacity is 300 kg (661 lbs.).

3. What is required to charge the battery for 4050200 and 4050300?

- Power adapters are required for any 4050200 or 4050300 sold in the USA. Without the power adapter, the battery cannot be recharged unless you have 220V/50Hz power.
- The required part numbers are 4050219 and 4050222. Both part numbers must be ordered for each 4050200 or 4050300 sold.
- 4050219 and 4050222 are included if 9973099 Prepackaged 4050300 is ordered.

4. Can AE or WM mounting panels be used on the Assembly Frames?

- Yes, while the Assembly Frames were designed specifically for Rittal style mounting panels for freestanding enclosures (e.g. TS and SE); it is possible to secure AE or WM mounting panels by using an additional accessory part number 4050221 AE/WM Bracket kit.
- The 4050221 attaches to the Assembly Frame and allows AE/WM mounting panels to be attached.
- The 4050221 can be also be used for non-Rittal wall mount sized mounting panels.
- 4050221 is included if 9973099 Prepackaged 4050300 is ordered.

5. Can non-Rittal freestanding mounting panels be used on the Assembly Frame?

- Yes, while the Assembly Frames were designed for Rittal style mounting panels for freestanding enclosures (e.g. TS and SE); it is possible to secure non-Rittal freestanding mounting panels by utilizing an additional accessory part number 9973158 US Clamping kit.
- The 9973158 was designed specifically to allow non-Rittal freestanding mounting panels to be secured to the Assembly Frames.

- This is an optional accessory and can be purchased as needed.
- 9973158 is included if 9973099 Prepackaged 4050300 is ordered.

6. What size freestanding mounting panels can be secured to the Assembly Frame?

- The Assembly Frames as shipped will support a TS/SE mounting panel with a size of 1900mm (74.8 in.) H x 1110mm (43.7 in.) W. This would correspond to a mounting panel from a 2000mm H x 1200mm W TS/SE enclosure.
- If a wider mounting panel will be used, then a 4050210 Assembly Frame Extension kit must be ordered. The 4050210 will increase the width from 1110mm (43.7 in.) W to 1900mm (74.8 in.) W. This would correspond to a mounting panel from a 2000mm H x 1600mm W or 2000mm H x 1800mm W TS/SE enclosures.
- Maximum mounting panel height is 1900mm (74.8 in.).

7. Is it possible to secure a large AE/WM enclosure to the Assembly Frame?

- Yes, larger AE/WM bodies can be secured to Assembly Frames by using the 4050211 Enclosure kit.
- The 4050211 contains brackets and straps that will be used to secure the AE/WM enclosure to the Assembly Frame while it is being wired.

8. Do I need to purchase mounting panel clamps?

- No, the Assembly Frames are shipped with a set of mounting panel clamps used to secure the top and bottom of the Rittal freestanding style mounting panels.
- Only one set of clamps is required to secure a Rittal freestanding style mounting panel.
- Additional clamps can be ordered as replacements or to have extra. Order part numbers 4050213 for the top clamp and 4050214 for the bottom clamp. Only 1 clamp is supplied for each part number.

9. How can wire reels be used with the Assembly Frames?

- To help hold the reels of wire that are used during the wiring process utilize part number 4050216 Wire Reel Holder.
- Typically, part number 4050212 Wire Guide is also ordered. The Wire Guide can be positioned to help guide the wires during assembly.

10. Can you drill and tap a mounting panel on the Assembly Frames?

- No, it would not be recommended.
- However, if required it could be possible to drill and tap holes but with caution. User must be aware of the metal frame members supporting the mounting panel and avoid drilling or tapping into them. Also, the felt tape protecting the frame members will collect metal dust, filings and thread cutting oil so pulling parts across the felt could cause scratching and/or leave marks. It will be up to the end user to determine the best method to protect the frame members from potential damage.

11. Are the Assembly Frame manuals in English?

- Yes, the manuals supplied with each Assembly Frame are multi-lingual. They are written in German, English and French.

12. Can the Assembly Frames 4050200 and 4050300 be used immediately when uncrated?

- No, it is highly recommended before using the 4050200 and 4050300 for the first time, the battery should be charged for a minimum of 10-hours.
- Please note that batteries will not reach full capacity charge until 5 to 10 charging/discharging cycles.

13. Can the Assembly Frames 4050200 and 4050300 operate continuously?

- No, the motor used for the adjustment of the frame angle and/or height should only be operated for a maximum of 2-minutes then followed by an 18-minute pause to avoid the motor from overheating.

For more information:

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