



ENTRAPMENT PREVENTION INFORMATION for Poles

The Consumer Product Safety Commission (CPSC), the Food & Drug Administration (FDA) and the ASTM F3186-17 Standard state that when used adjacent to against a Bed a Pole is considered to be an Adult Portable Bed Rail (APBRs).

It is known that there is a risk of Entrapment when Adult Portable Bed Rails (APBRs), are used. Hartmobility Inc. is committed to inform our customers and users about what Entrapment is, where the risks of Entrapment are, and to provide this Entrapment Prevention Information. Hartmobility Inc.'s R & D department, Design Engineers and Product Quality Control Department all work continuously together to minimize and mitigate these risks. We employ Research facility staff and Consultants where appropriate.

GENERAL NOTES:

Entrapment risk exists whenever a user of a Pole can have their head, neck, chest, or other body part trapped in the space between the bed and/or mattress, and the Pole. Before installing or using a Pole it is important to consider carefully who will be using the Pole. Standards outlined in ASTM F3186-17, the CPSC, and the FDA describe users who are particularly at risk of entrapment, suffocation and strangulation as, "People with Alzheimer's disease, dementia, or other neurological conditions, or those who are sedated, confused, or frail." Caregivers and installers of Poles must understand and be aware of entrapment risks and take full responsibility for the correct installation and use of Poles.

The ASTM F3186-17 Standard mandates 4 Entrapment Zones: 1, 2, 3 & 4 See Figure 1A. These are the Zones that Poles must be tested for, with pass requirements for each of these Zones. The FDA has identified and detailed seven Entrapment Zones. See Zones 1, 2, 3 & 4 are the same Zones as the in the ASTM F3186-17 Standard. Zones 5, 6 & 7 have been added by the FDA.

All Entrapment Zones are shown in Figure 1A & 1B
<https://www.fda.gov/media/71460/download> (Page 13)

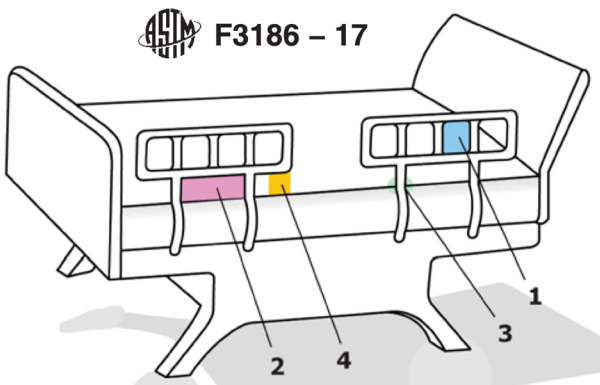


Figure 1A

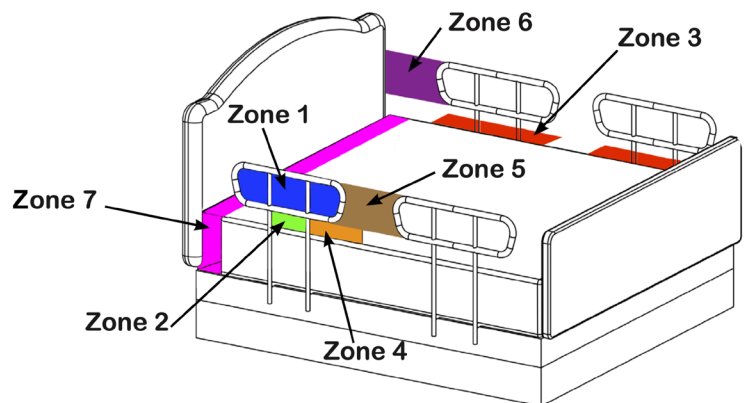
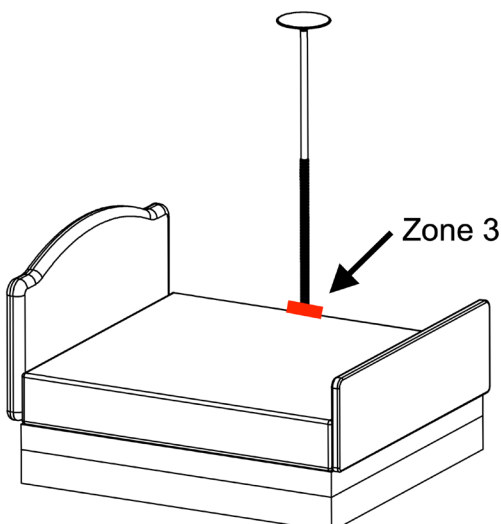


Figure 1B

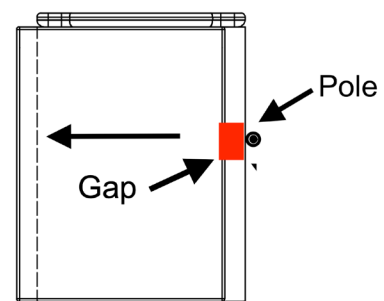
ZONES 1, 2, 3 & 4

NOTE: Entrapment Zones 1; 2 & 4 do not exist with a Pole

Zone 3: Between the Pole and the Mattress



Mattress has moved away from the Pole



There must be no Gap between the Pole and the edge of the mattress

The Hartmobility Inc. patent(s) pending product: MR150, is an inovative Mattress Retention System that makes using a Pole with a Bed a safe and dependable combination.

ZONES 5, 6 & 7

Zone 5: Between Two Poles On The Same Side Of The Bed.

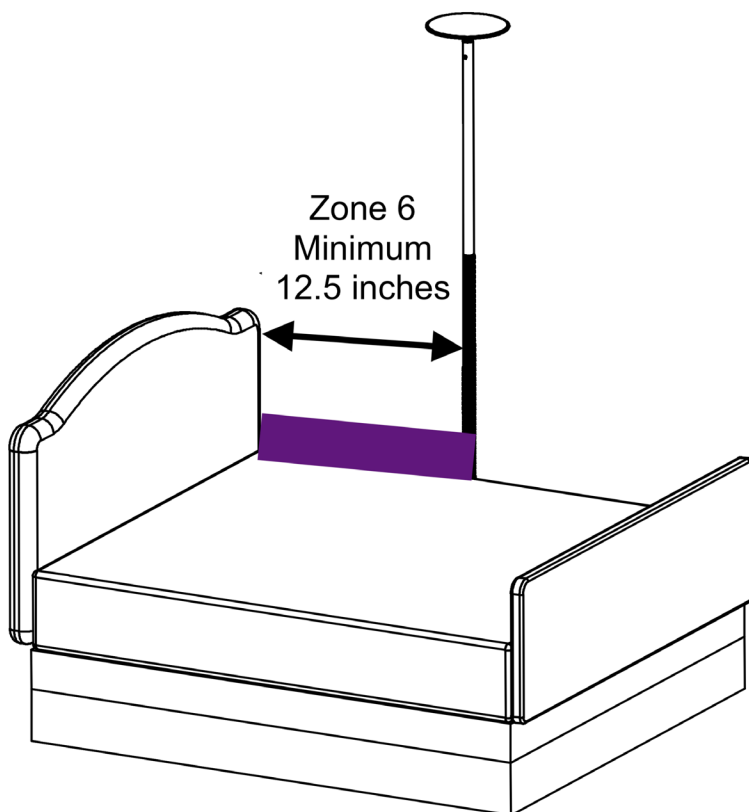
The Gap between Two Poles installed on the same side of the Bed can entrap the user between them.

Hartmobility Inc. does not recommend the use of Two Poles on the same side of the Bed unless they are at least shoulder width apart (more than 12.5 inches) allowing the user to easily pass between them, AND that there is a Gap between the Poles and the head or footboard of at least 12.5 inches to the edge of the closest Pole. See Zone 6.

Zone 6: Between the Pole and the Side Edge of the Head or Footboard.

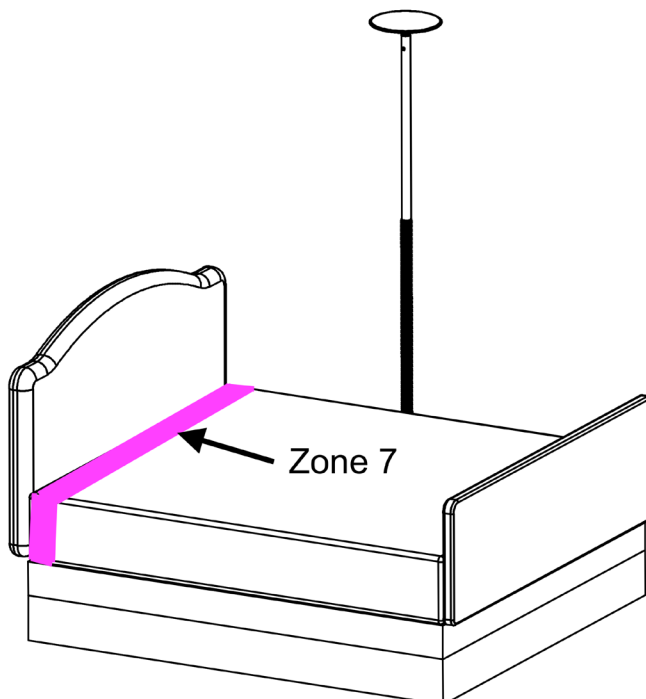
The gap between the head board or foot board of a bed can entrap.

The ASTM F3186-17 Standard states that any gaps or spaces between the head board and/or foot board and the end of the APBR must be greater than 12.5 inches (320mm).



Zone 7: Between The Head Or Foot Board And The End Of The Mattress.

- Any gap or space between the inside surface of the head board or foot board and the end of the mattress can increase the risk of head entrapment.



For more copies of this Entrapment Prevention Information document, or any other Hartmobility Inc. document, please visit www.hartmobility.com/EntrapmentPreventionInformation or call our Customer Support staff at 1-800-998-0774 ext. 3