

# CASTOR OUTRIGGERS

## Installation Guidelines

Covering Part Numbers: L1-P01-F3 - 50mm, 75mm and 100mm (finished in Chromium Plating)

RMS Castor Outriggers are suitable for fitment to the following wheelchairs for the purpose of improving forward and lateral stability:-

**Remploy:** 8BLJ, 8LJ, 8L, 9LJ, 9L, Access, 800/900 and Ranger 8/9.

**Lomax:** 8L, 8BL, 8LJ, SA8, 9L, 9L-HD, Uni 8 and 9.

**Bencraft / Invacare:** Celt, Ben 8 / 9, 9LJ, 8/ 9 LJ, 8/9 L and Zipper ZS .

**RJ Mobility:** 7# / 10#, Maxi, Meteor, Combi 8/9, 9L.

The amount of improvement to stability will depend on the length of the Castor Outriggers fitted and their position in relation to the wheelchair frame, i.e. pointing forward increases forward stability. To the side increases lateral stability.

## SAFETY STATEMENT

- **RMS Castor Outriggers have not been fitted to any wheelchair during Frontal Impact testing to ISO 7176-19. Therefore, a appropriate risk assessment should be carried out by a suitably qualified person, where the intention is to transport the wheelchair and occupant in a motor vehicle. (Consideration should be given to the length of outrigger, the angle of outrigger and occupant's weight)**
- **Castor Outriggers MUST only be fitted in pairs and installed by a suitably qualified person.**
- **Occupants and Carers should be aware that heavy impacting to the front Castors Wheels, could result in the Castor Outriggers being moved from their original fitted position and subsequently altering the wheelchair stability. It is therefore recommended that security of the Castor Outriggers be checked at six monthly intervals.**

**TOOLS REQUIRED:** Torque Wrench → 55Nm (40ft/lbs) with 24mm Crows-foot.  
24mm Combination Spanner. 10mm Combination Spanner

## NOTES

**1/ For Safety reasons, the occupant should be removed from the wheelchair prior to carrying out the installation of these devices.**

**2/ Loctite 243 or equivalent should be applied to all threads when installing Castor Outriggers.**

## FITTING

- Lift and support front of wheelchair. Remove both Castor Forks complete with wheels.
- Clean threads in Castor Mounts and on Castor Forks.
- Remove M14 bolts and "U"-bolts from Castor Outriggers.
- Place one new 14mm shake-proof washer (supplied), onto each Castor Fork Stem and apply Loctite 243 or equivalent to threads.
- Screw one Castor Fork assembly into each Castor Outrigger and tighten to 55Nm. (40ft/lbs).
- Apply a smear of Loctite243 to the M14 bolt threads. Position each Castor Outrigger assembly onto the wheelchair frame (refer to picture) and attach by screwing the M14 bolts, with shake-proof washer, through the Outrigger brackets, into the original Castor Mounts. **DO NOT** fully tighten at this stage.
- Install "U"-bolts to clamps using washers and nuts supplied and tighten sufficient to allow the Outriggers to move around the frame. Initially set the Outriggers to a forward pointing position and angled slightly outwards. (refer to picture) **DO NOT** fully tighten at this stage.



- With Footrests and Hangers set to their normal in-service position, the Castor Outrigger positions should be set equally each side, ensuring that the Castor Wheels, when swivelled through 360°, do not foul the Footrests, Hangers or wheelchair Frame.
- Fully tighten M14 Outrigger bolts to 55Nm (40ft/lbs) and “U”-bolt nuts to 14 Nm. (10ft/lbs), (refer to picture overleaf)

The wheelchair may now be lowered to the ground.

**NOTE:**

- An appropriate stability test should be carried out with the user seated in the wheelchair to confirm the required improvement in stability has been achieved.  
(Alternative sizes of Outriggers are available, see top of front page).