

perma STAR Vario – Remote Mounting Guidelines



Direct or Remote Mount Decisions

Where practical, direct mounting is preferred as this presents maximum pressure to the lubrication point. However, many points will demand remote mounting to ensure safe and convenient access.

Remote installations are recommended under the following circumstances:

- When the bearing is subject to high vibration or temperature which may damage the lubricator
- Where it is difficult or unsafe to access the lubrication point while equipment is running
- When the lubrication point is exposed to excessive amounts of water or impact from solid material
- When protective guards or safety cages have to be removed to access the bearing

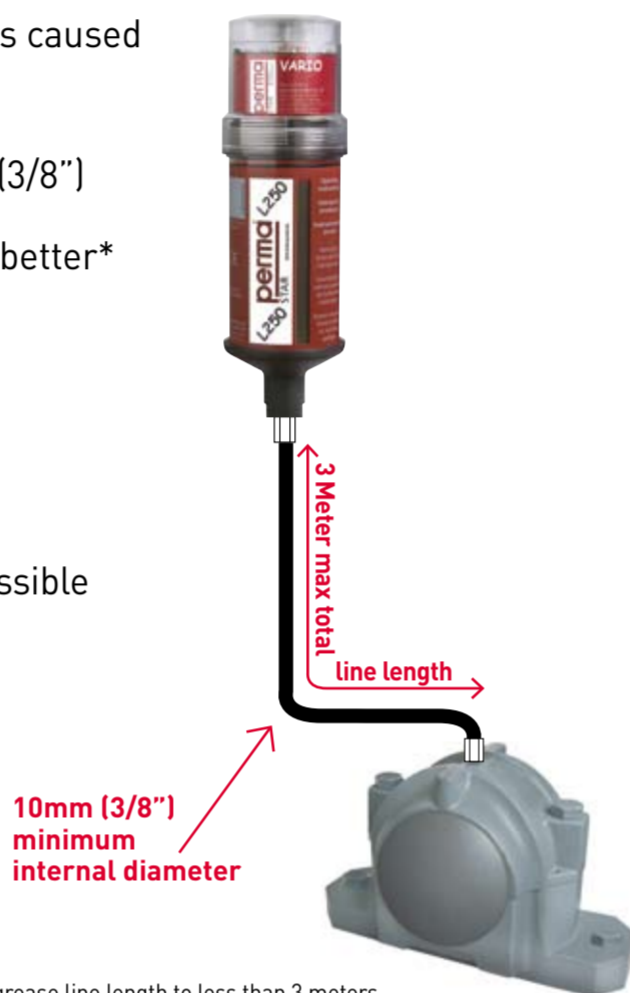


Remote mounted Perma Star Vario on conveyor pulley bearing.

Grease Line Fittings Selection Rules

Mounting methods must minimise grease pressure loss caused by small diameter lines and fittings:

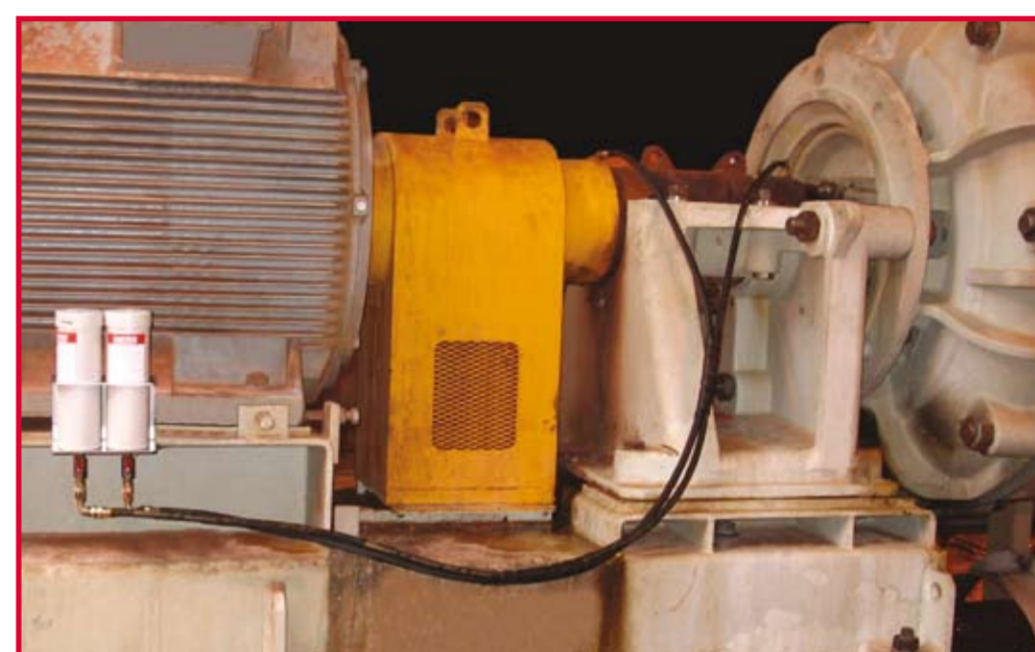
- ✓ Use flexible lines with internal diameter of 10mm (3/8")
- ✓ Restrict line lengths to 3 meters – the shorter the better*
- ✓ Use full bore hose-ends and elbows
- ✓ Prime grease lines and pre-grease bearings
- ✓ Secure grease lines using cable ties or spiral wrap
- ✓ Run grease lines under or around cages where possible
- ✓ Install manual purge kits for easy purging
- ✗ Do not use narrow lines
- ✗ Do not use restrictive elbow fittings
- ✗ Do not rely on the lubricator to fill lines



* Factors such as low ambient temperatures may restrict the maximum allowable grease line length to less than 3 meters

Remote Mounted Slurry Pump Installations

Grease purging of labyrinth seals on the wet and dry end bearings of slurry pump barrels is a common application for Perma Star Vario lubricators. C-Section style brackets are recommended for sites where wash down procedures are likely to impact lubricators.



Remote mounted Perma Star Vario on horizontal slurry pump barrel – one lubricator for each labyrinth seal.

Mounting Systems for Remote Installations

Mounting systems are available for combinations of 1, 2, 3 and 4 lubricators. Each mounting system combines a bracket and attachment option.

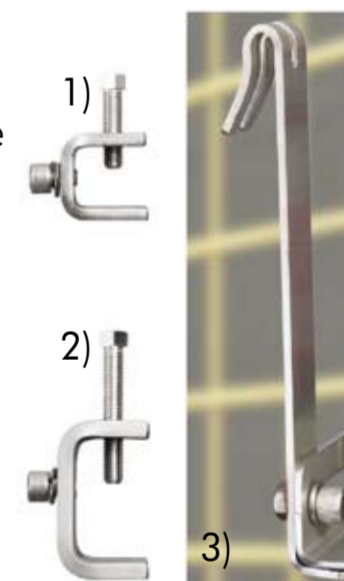
There are six categories of stainless steel mounting systems –

- 1) Heavy duty basic brackets for general applications
- 2) Impact resistant C-Section brackets for high contamination or heavy wash down areas
- 3) Manifold brackets for extra high dispensing rates or service interval rationalisation
- 4) Brackets which integrate automatic lubricators and manual grease points
- 5) Brackets which hang from safety cages (down to 25 x 25mm mesh)
- 6) Brackets with integrated mount point for vibration analysis data collection cables

There are three stainless steel attachments options which are compatible with each of the bracket categories –

- 1) 30mm beam clamps
- 2) 65mm beam clamps
- 3) Cage hanger arms – for square mesh down to 25mm

The installation of the mounting systems requires no drilling, cutting or welding.



1) Basic Brackets



2) C-Section Brackets



3) Manifold Brackets



4) Brackets with integrated manual grease points



5) Cage Brackets



6) Brackets with integrated mount point for VA data collection cable

