

Bearing Blocks

Hepco MHD bearing blocks have a high strength ductile iron body, precision machined and chemically blacked. The upper wheel uses a very high load double row taper roller bearing, and the lower two wheels have double row ball bearings. This arrangement gives high load capacity, excellent durability, and a predominant load capacity in the L_{1A} direction (16).

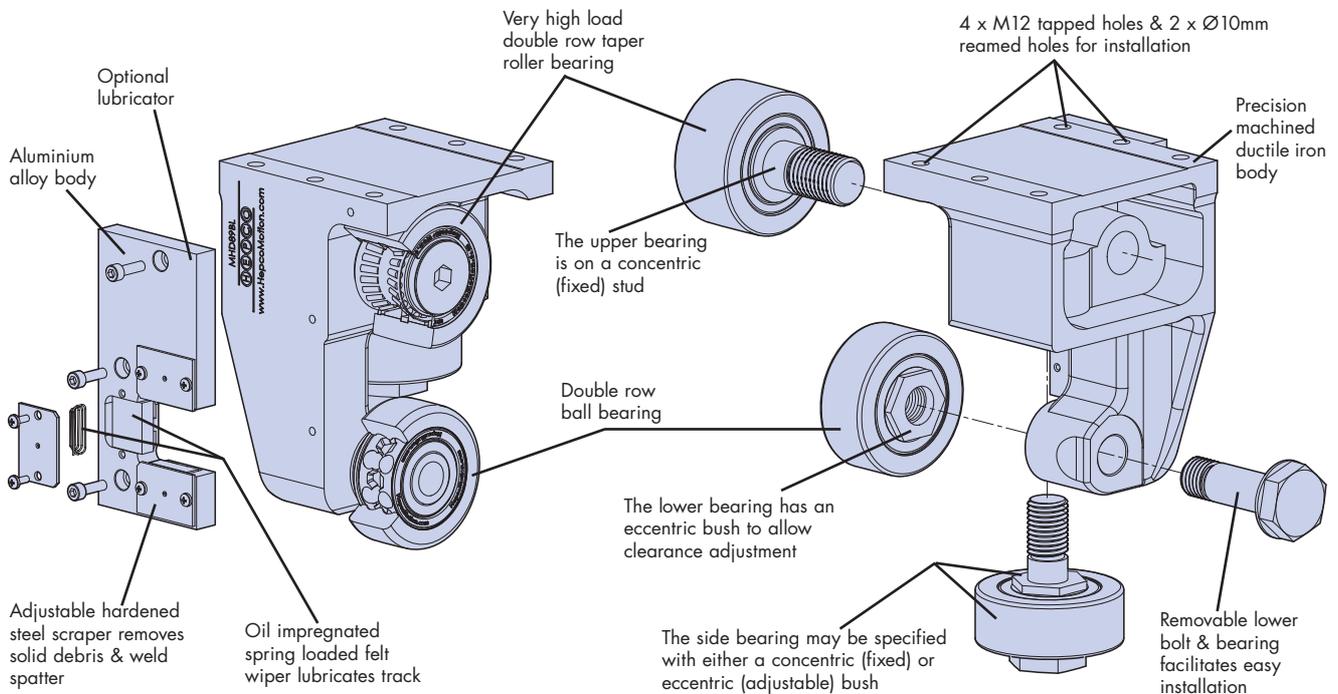
The upper wheel rotates on a fixed (concentric) stud. The lower wheel rotates on an eccentric fixing to allow the adjustment of running clearance. This wheel is easily removable to facilitate installation. The third roller is mounted concentrically or eccentrically depending on what is specified. In most systems it is usual to specify fixed (concentric) studs on the datum side of the system, with eccentric ones on the other side for ease of installation (1).

The lubricator has spring-loaded oil impregnated felts which wipe lubricant onto the track running surfaces. Adjustable hardened scrapers remove debris from the track surfaces, which ensures running quality is maintained even in dirty environments. Lubricators may be deleted where the application does not require them.

The default design has tapped holes, accurate machined registers and dowel holes for mounting off the top surface. An alternative block pattern is available which allows the block to be mounted using the rear face.

For full installation instructions please visit our website at www.HepcoMotion.com/mhddatauk and select datasheet No. 1 - MHD Installation Instructions.

Features of MHD Bearing Blocks



The above drawings show a left-handed block

Ordering Details

Part Number. **MHD89B** indicates an MHD block. _____

L indicates a **L**eft handed block; **R** indicates a **R**ight handed block (see above). _____

E indicates an **E**ccentric (adjustable) fitting for the side bearing; **C** indicates a **C**oncentric (fixed) fitting. _____

NL indicates a block without lubricator / slide scraper. Leave blank for blocks with lubricator / slide scraper. _____

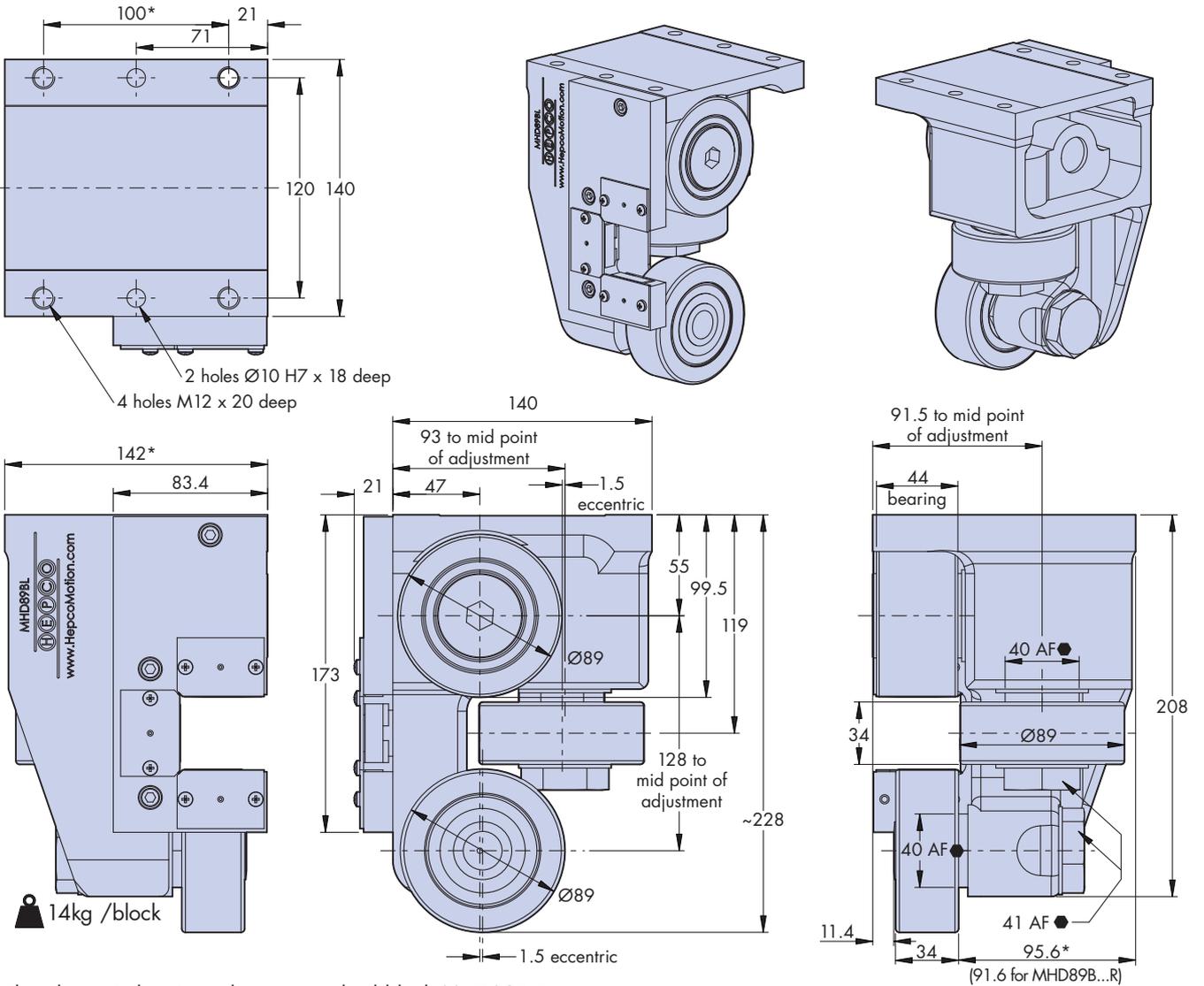
R indicates the rear fixing option. Leave blank for blocks with standard fixing. _____

Notes:

1. To set up an MHD block on a track it is necessary to adjust the eccentrics. To do this a standard 41mm A/F spanner and a special 40mm A/F thin spanner (available from Hepco: part number AT95) are required.

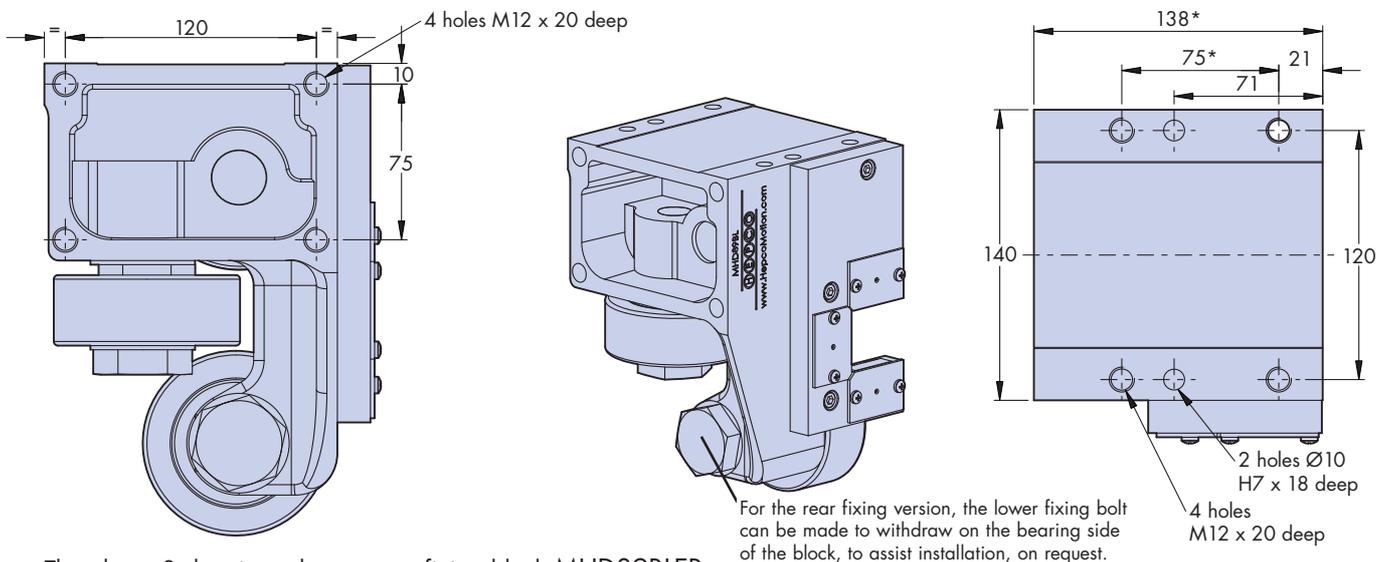
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Dimensions



The above 6 drawings show a standard block MHD89BLE

Right-handed blocks are a mirror image of the left-handed versions shown.



The above 3 drawings show a rear fixing block MHD89BLER

dimensions marked * differ between the standard and rear fixing variants.