

MOTORHEAD ASSEMBLY (MHA)

The second generation **LiMAR®** Motorhead Assembly (MHA) is a technically enhanced version of the original **LiMAR®** MHA, offering not only an increased pressure rating but a number of technical enhancements over the standard product.

The MHA houses **LiMAR®** Single Piece Double Flapper Check Valves, Hydraulic Disconnect and a Dual Circulation Sub in one combined unit. This considerably shortens the overall length of the BHA and allows rig-up in situations where riser height is restricted.

TOOL APPLICATIONS:

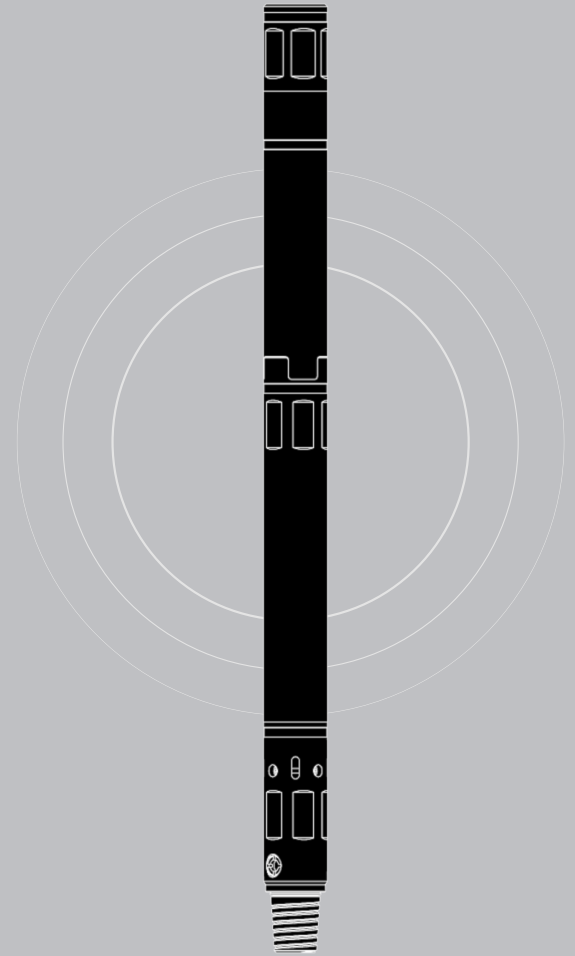
- For use in the BHA directly below the CT connector
- To provide a double barrier from well pressure & contents
- Torque-thru hydraulic disconnect option for contingent release
- Integral dual circulating function for coil-to-tubing circulation
- For use in height restricted rig-ups
- Specifically designed for high pressure applications

OPERATIONAL APPLICATIONS:

- Fishing operations in conjunction with high impulse jars and impact hammers
- Milling operations in conjunction with hi-torque PDM motors
- Explosive perforating operations
- Abrasive perforating operations with availability of especially hardened MHA internals
- Packer setting operations in conjunction with Inflatable, Hydraulic & Explosive setting tools
- Acidising, Cementing & Stimulation operations
- High Temp / High Pressure operations

DESIGN FEATURES & BENEFITS:

- Single piece cartridge type Double Flapper Check Valve safety system
- Superior torque rating
- High tensile and compressive strength rating
- Optional flow paths during disconnecting
- 10,000 psi Safe Working Pressure
- Drop Ball operated release and circulating feature with maximised flo area
- Benoil type rupture disc fitted as standard
- Disconnect Sub fitted with LIMAR GS type internal fish neck profile
- Selected components QPQ treated
- Hexagonal flats for safe make-up & break-out
- Connection options to suit customer requirements
- Corrosion resistant materials



TECHNICAL DATA

Assembly Part No.	Actual OD	Maximum ID	Disconnect GS Profile	Make up Length
223-1500-XXX-RX	1.500"	0.375"	1. 1/2" GS	26.85"
223-1562-XXX-RX	1.562"	0.375"	1. 1/2" GS	26.93"
223-1750-XXX-RX	1.750"	0.437"	1. 1/2" GS	27.48"
223-2000-XXX-RX	2.000"	0.562"	2" GS	29.84"
223-2250-XXX-RX	2.250"	0.562"	2" GS	29.34"
223-2375-XXX-RX	2.375"	0.562"	2" GS	29.34"
223-2500-XXX-RX	2.500"	0.562"	2" GS	29.34"
223-3125-XXX-RX	3.125"	0.938"	3" GS	36.06"

XXX - Last 3 digits of part number denotes connection type - Please refer to the connection code data sheet.
 For additional sizes or further information please contact sales@limaroiltools.com