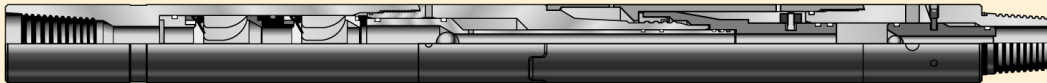




MOTORHEAD ASSEMBLY



The Motorhead Assembly has been developed in recognition to industry demands for compact, heavy duty, integrated BHA components. The Motorhead Assembly combines the Double Flapper Check Valve with the Heavy Duty Hydraulic Disconnect and the Dual Circulation Valve, standard components for virtually all tool-string designs. The tubing connector has been deliberately eliminated to give the added flexibility of operator choice for the connector type and coil tubing size. The Motorhead Assembly provides the operator with a compact, versatile, upper BHA and offers the following features:

Design Features/Benefits:

- ▶ The Motorhead Assembly compact design gives an overall length saving of approximately 30% over the use of conventional individual components.
- ▶ The high torque capability of the Motorhead Assembly provides the ideal Motorhead for today's high demand coiled tubing drilling applications.
- ▶ The choice of tubing connector is not dictated by the Motorhead Assembly; therefore, giving the operator the flexibility to choose the most appropriate connector to suit the application.
- ▶ With a considerable reduction in the number of component parts, seals and thread connections, the Motorhead Assembly is uncomplicated to assemble/disassemble and inexpensive to redress.

SERVA Specification Guide Motorhead Assembly

Max OD (in)	Min ID (in)	Thread	Part Number
1.687	0.406	1" AMMT	2181168422
1.750	0.406	1" AMMT	2181175422
2.125	0.406	1.5" AMMT	2181212422
2.375	0.625	1.5" AMMT	2181237422
2.875	0.750	2 3/8" PAC	2181287422
3.125	0.812	2 3/8" PAC	2181312422

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