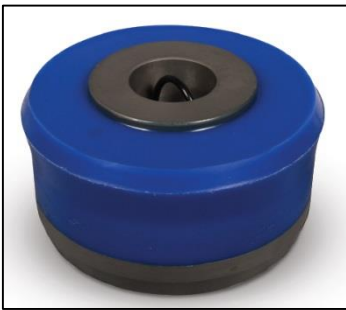


RMC offers the Mud Master HPHT Pistons for higher pressure, higher temperatures as a solution to the demand for new oilfield HPHT technologies. The Mud Master HPHT pistons are excellent in their ability to resist abrasion, tear and extrusion. Because of the Mud Master HPHT Piston's resistance to tear, they can be used in slightly higher concentrations of solids than conventional pistons on the market today for a longer lasting piston life.

BLUE DIAMOND HPHT

BLUE DIAMOND P/N	SIZE	MAX PRESS/TEMP RATING
RMC50BDHPHT	5"	7500PSI / 300°F (149°C)
RMC55BDHPHT	5-1/2"	7500PSI / 300°F (149°C)
RMC60BDHPHT	6"	7500PSI / 300°F (149°C)
RMC65BDHPHT	6-1/2"	7500PSI / 300°F (149°C)
RMC70BDHPHT	7"	7000PSI / 300°F (149°C)
RMC75BDHPHT	7-1/2"	6500PSI / 300°F (149°C)

The HPHT Blue Diamond Mud Master piston is designed with the latest premium material created just for high pressure and high temperature mud applications. This piston has the highest resilience and tensile/tear strength. It is compatible with all applications and mud types. Its Flex lip design helps align inside the liner.

XTREME HPHT

XTREME HPHT P/N	SIZE	MAX PRESS/TEMP RATING
RMC50XHPHT	5"	7500PSI / 300°F (149°C)
RMC55XHPHT	5-1/2"	7500PSI / 300°F (149°C)
RMC60XHPHT	6"	7500PSI / 300°F (149°C)
RMC65XHPHT	6-1/2"	7500PSI / 300°F (149°C)
RMC70XHPHT	7"	7000PSI / 300°F (149°C)
RMC75XHPHT	7-1/2"	6500PSI / 300°F (149°C)

The HPHT Xtreme Mud Master piston is designed for the most extreme high pressure and high temperatures. This piston can operate in ranges between -20F to 300F. It is compatible with all application and mud types. It is resistant to abrasion, heat and extrusion. Superior Bullnose lip and cut back hub design reduces wear on liners.

USA HPHT

USA HPHT P/N	SIZE	MAX PRESS/TEMP RATING
RMC50HPHT	5"	7500PSI / 220°F (104°C)
RMC55HPHT	5-1/2"	7500PSI / 220°F (104°C)
RMC60HPHT	6"	7500PSI / 220°F (104°C)
RMC65HPHT	6-1/2"	7500PSI / 220°F (104°C)
RMC70HPHT	7"	7000PSI / 220°F (104°C)
RMC75HPHT	7-1/2"	6500PSI / 220°F (104°C)

The HPHT USA piston is designed for better performance in higher pressure and higher temperatures in applications using synthetic and oil based muds (OBM). It is designed with a Multi-durometer bonded urethane that allows for longer piston and liner life. Longer life results in lower costs with mud pump expendables and the time involved in changing them.

DUAL HPHT

DUAL HPHT P/N	SIZE	MAX PRESS/TEMP RATING
RMC50DHPHT	5"	7500PSI / 220°F (104°C)
RMC55DHPHT	5-1/2"	7500PSI / 220°F (104°C)
RMC60DHPHT	6"	7500PSI / 220°F (104°C)
RMC65DHPHT	6-1/2"	7500PSI / 220°F (104°C)
RMC70DHPHT	7"	7000PSI / 220°F (104°C)
RMC75DHPHT	7-1/2"	6500PSI / 220°F (104°C)

The HPHT Dual piston is designed to work in drilling applications for harsher Water based mud (WBM) on the top side of hole & Oil based mud (OBM) used on the bottom of hole. This piston is designed with a Multi-durometer bonded urethane and a built in lubricant to reduce friction within the liner allowing for longer piston and liner life.

**MADE IN USA**

Pistons are not suited for clear or sea water uses



Mud Master HPHT Pistons - Performance & Analysis Data

The Mud Master HPHT pistons all perform well in synthetic/oil based mud (OBM) as well as water based mud (WBM). The Mud Master HPHT pistons are made of a special oil-resistant bonded urethane that performs well in synthetic/oil based mud (OBM) as well as water based mud (WBM). This material is built to withstand friction in the liner so wear on your liners is minimized. The Mud Master HPHT piston application are listed below for each type of piston offered.

MUD MASTER HPHT - PISTON APPLICATIONS	MUD MASTER "BLUE DIAMOND"	MUD MASTER "XTREME"	MUD MASTER "USA"	MUD MASTER "DUAL"
ABRASION RESISTANCE				
TEAR RESISTANCE				
RESISTANCE TO OIL				
CHEMICAL RESISTANCE				
RESISTANCE TO SYNTHETIC OIL				
TEMPERATURE RESISTANCE				
EXTRUSION RESISTANCE				
USE IN OIL BASED MUDS				
USE IN SYNTHETIC BASE MUD				
USE IN WATER BASED MUD >#10				
USE IN WATER BASED MUD <#10				
USE IN WATER BASED MUD >#11				
USE IN WATER BASED MUD <#11				
USE IN CLEAR WATER				
USE IN SALT WATER				
USE IN LOW SOLIDS				
USE IN MODERATE SOLIDS				
USE IN HIGH SOLIDS				
LINEAR WEAR CHARACTERISTICS				
USE IN CERAMIC LINERS				
MAXIMUM TEMPERATURE (FLOW LINE) (°F)	300	300	220	220

EXCELLENT	
VERY GOOD	
GOOD	
POOR/NR	

MAX PRESSURE BY SIZE	
4"	8000 PSI
4-1/2"	8000 PSI
5"	7500 PSI
5-1/2"	7500 PSI
6"	7500 PSI
6-1/2"	7500 PSI
7"	7000 PSI
7-1/2"	6500 PSI
8"	6000 PSI

MADE IN USA