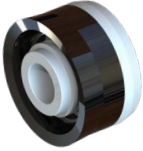
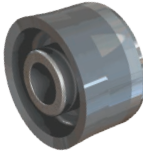
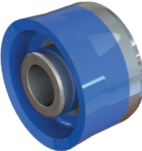
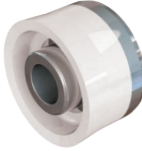
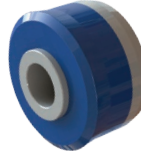
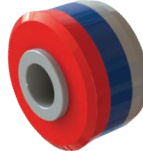
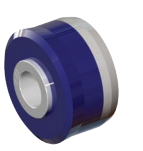


# PISTON COMPARISON



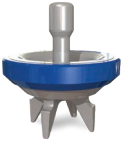

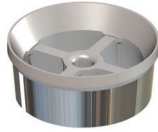

MUD PUMP PISTONS	PREMIUM OILFIELD TECHNOLOGIES PRODUCTS						
	CALIBER X500	CALIBER X400	CALIBER X300	CALIBER X200	PATRIOT HT	PATRIOT ST	PATRIOT XT
MODELS							
ABRASION / TEAR / OIL RESISTANCE	Blue	Blue	Blue	Green	Blue	Blue	Blue
SYNTHETIC / CHEMICAL OIL RESISTANCE	Green	Blue	Green	Green	Blue	Green	Green
EXTRUSION RESISTANCE	Yellow	Blue	Blue	Green	Blue	Blue	Blue
USE IN OIL / SYNTHETIC BASED MUDS	Yellow	Blue	Blue	Green	Blue	Blue	Blue
USE IN BRINE / WATER BASED MUD	Blue	Green	Red	Red	Yellow	Red	Yellow
USE IN LOW SOLIDS	Blue	Blue	Blue	Blue	Blue	Blue	Blue
USE IN MODERATE SOLIDS	Green	Blue	Blue	Green	Blue	Blue	Blue
USE IN HIGH SOLIDS	Green	Green	Yellow	Yellow	Blue	Green	Green
MAXIMUM TEMPERATURE (°F)	250°F	300°F	280°F	180°F	300°F	220°F	280°F

## PERFORMANCE KEY

BEST	Blue
VERY GOOD	Green



GOOD	Yellow
POOR	Red

# MUD VALVE AND SEAT COMPARISON

MUD VALVES AND SEATS	PREMIUM OILFIELD TECHNOLOGIES PRODUCTS					
	CALIBER XV400	CALIBER 4-WEB	PATRIOT HD	PATRIOT VXT	CALIBER 4-WEB SEAT	CALIBER XS SEAT
MODELS						
ABRASION / TEAR / OIL RESISTANCE	Blue	Blue	Blue	Green	Blue	Blue
TEAR RESISTANCE	Blue	Blue	Blue	Green	Blue	Blue
OIL RESISTANCE	Blue	Blue	Blue	Blue	Blue	Blue
CHEMICAL RESISTANCE	Blue	Blue	Blue	Green	Blue	Blue
SYNTHETIC OIL RESISTANCE	Green	Green	Green	Green	Blue	Blue
EXTRUSION RESISTANCE	Blue	Blue	Blue	Green	Blue	Blue
USE IN OIL BASED MUDS	Blue	Blue	Blue	Blue	Blue	Blue
USE IN SYNTHETIC BASED MUDS	Green	Green	Blue	Green	Blue	Blue
USE IN BRINE	Blue	Blue	Green	Green	Blue	Blue
FULLY BONDED	•	•	•	•	N/A	N/A
FORGED SINGLE PIECE BODY	•	•	•	•	•	•
CASE HARDENED ALLOY	•	•	•	•	•	•
MAXIMUM TEMPERATURE (°F)	300°F	300°F	300°F	280°F	N/A	N/A

## PERFORMANCE KEY

BEST	
VERY GOOD	

GOOD	
POOR	

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