INTRODUCTION

LINERS

When it comes to mud pump fluid end expendable parts, TSC Manufacturing and Supply, LLC. has it all.

TSC mud pump liners are designed and manufactured to meet or exceed original equipment specification and API standards for almost all types of mud pumps in use today. With advanced technology, metallurgical control and rigid inspection, we offer unmatched performance and durability according to customer testimonies in the most severe drilling conditions, both triplex and duplex liners are available in a wide range of sizes.

HIGH CHROME SLEEVE LINER

The outer hull, or body, of the liner is manufactured using high-strength forging. TSC uses forgings exclusively to ensure consistent quality. The sleeve is centrifugally cast in the TSC facilities by skilled craftsmen. It has the maximum amount of chrome for the base metal and TSC adds molybdenum to increase the hardness depth. The sleeve is then inserted into the hull at a tightness at exceeds its counterparts. The TSC liner is rated to match the pressure rating of the pump per liner size.

TSC mud pump liners are unsurpassed in quality and reliability.

Features

- Rated for all drilling operations.
- Bore hardness is 62-69 Rockwell.
- "HP" lip design to prevent inner sleeve slippage.
- Extremely long service life.

CHROME-PLATED LINER

TSC chrome-plates the same outer hull in lieu of the sleeve to maximum thickness. The hulls are then machined and polished to a mirror finish.



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TSC

FLUID END EXPENDABLES

3NB-1600

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ROD ROD <th></th> <th>LINERS</th> <th>LINER GASKETS</th> <th colspan="4">PISTONS</th> <th>PISTON RUBBERS</th>		LINERS	LINER GASKETS	PISTONS				PISTON RUBBERS	
5" TS-4259-50HP G-260 * LLU-50-B15 LL-50-B15 HPW-50-B15 L-50-B15 H-50-B15	SIZE			-	-				
5 1/2" TS-4259-54HP G-260 * LLU-54-B15 LL-54-B15 HPW-54-B15 I-54-B15 TM-54-BR 5 3/4" TS-4259-56HP G-260 * LLU-56-B15 LL-56-B15 HPW-56-B15 I-56-B15 TM-56-BR 6" TS-4259-56HP G-260 * LLU-60-B15 LL-60-B15 HPW-56-B15 I-60-B15 HPW-56-B15 I-60-B15 HPW-56-B15 I-60-B15 I-60-B15 I-60-B15 I-60-B15 I-60-B15 I-60-B15 I-60-B15 I-60-B15 I-60-B15 I-60-L15 I-60-L15 I-62-L15 TM-60-BR 6 1/2" TS-4259-60HP G-260 * LLU-60-L15 LL-64-L15 HPW-64-L15 I-64-L15 TM-62-BR 7" TS-4259-70HP G-260 * LLU-70-L15 HPW-70-L15 I-70-L15 HPW-70-L15 I-70-L15 ITM-60-LR 7" TS-4259-70HP G-260 * LLU-70-L15 HPW-70-L15 I-70-L15 ITM-70-LR VALVES, SEATS, SPRINGS GASKET 9 DESIGN J S-202P2L482 TS-70-10 VALVE COVER GAS	4 1/2"	TS-4259-44HP	G-260 *	LLU-44-B15	LL-44-B15	HPW-44-B15	I-44-B15	TM-44-KR	
5 3/4" TS-4259-56HP G-260* LLU-56-B15 LL-66-B15 HPW-56-B15 I-56-B15 TM-56-BR 6" TS-4259-60HP G-260* LLU-60-B15 LL-60-B15 HPW-60-B15 I-60-B15 TM-60-BR 6 1/4" TS-4259-62HP G-260* LLU-62-L15 LL-62-L15 HPW-62-L15 I-62-L15 TM-62-BR 6 1/2" TS-4259-64HP G-260* LLU-64-L15 LL-64-L15 HPW-64-L15 I-64-L15 TM-62-BR 6 3/4" TS-4259-70HP G-260* LLU-70-L15 LL-70-L15 HPW-64-L15 I-64-L15 TM-64-LR 6 3/4" TS-4259-70HP G-260* LLU-70-L15 LL-70-L15 HPW-70-L15 I-70-L15 TM-70-LR VALVES SEAT 3 WEB DESIGN G-260* LL-70-L15 FULL OPEN (1) FUL OPEN (2) PART NUMBER VALVE TS-7-EEF TS-202PZL482 TS-985M TS-7-V1 VALVE COVER GASKET TS-107.11.10.05 SEAT TS-7-DDB1 TS-202PZL482 TS-307M TS-7-S1 CYLINDER HEAD GASKET TS-107.11.10.02 NSERT (Rubber) TS-7-WI - TS-7-FR E	5"	TS-4259-50HP	G-260 *	LLU-50-B15	LL-50-B15	HPW-50-B15	I-50-B15	TM-50-BR	
6" TS-4259-60HP G-260 * LLU-60-B15 LL-60-B15 HPW-60-B15 I-60-B15 TM-60-BR 6 1/4" TS-4259-62HP G-260 * LLU-62-L15 LL-62-L15 HPW-62-L15 I-62-L15 TM-60-BR 6 1/2" TS-4259-64HP G-260 * LLU-64-L15 LL-64-L15 HPW-64-L15 I-64-L15 TM-64-LR 6 3/4" TS-4259-66HP G-260 * LLU-66-L15 LL-66-L15 HPW-64-L15 I-66-L15 TM-64-LR 7" TS-4259-70HP G-260 * LLU-70-L15 LL-70-L15 HPW-70-L15 TM-70-LR VALVES, SEATS, SPRINGS GASKETS VALVES, SEATS, SPRINGS GASKETS VALVES, SEATS, SPRINGS GASKET Seath 7S-7.0ER TS-202PZL482 TS-0885M TS-7-V1 VALVE COVER GASKET TS-107.11.110.68 SPRING TS-7.0DB1 TS-202PZL482 TS-107.11 TS-7-S1 CYLINDER HEAD GASKET TS-107.11.110.42 INSERT (Rubber) TS-7	5 1/2"	TS-4259-54HP	G-260 *	LLU-54-B15	LL-54-B15	HPW-54-B15	I-54-B15	TM-54-BR	
6 1/4" TS-4259-62HP G-260 * LLU-62-L15 LL-62-L15 HPW-62-L15 H-62-L15 TM-62-BR 6 1/2" TS-4259-64HP G-260 * LLU-64-L15 LL-64-L15 HPW-64-L15 I-64-L15 TM-64-LR 6 3/4" TS-4259-66HP G-260 * LLU-66-L15 LL-64-L15 HPW-70-L15 I-66-L15 TM-64-LR 7" TS-4259-70HP G-260 * LU-70-L15 LL-70-L15 HPW-70-L15 I-66-L15 TM-66-LR 7" TS-4259-70HP G-260 * LU-70-L15 LL-70-L15 HPW-70-L15 I-70-L15 PART NUMBER VALVES, SEATS, SPRINGS GASKETS TM-70-LR PART NUMBER VALVE TS-7-EEF TS-202PZL482 TS-0985M TS-7-V1 VALVE COVER GASKET TS-107.11.110.05 SEAT TS-7-DDB1 TS-202PZL039 TS-1370M TS-7-S1 CYLINDER HEAD GASKET TS-107.11.110.42 NSERT (Rubber) TS-7-WR - TS-7-MI TS-7-FI EXTENSION ROD SEAL - NSERT (Rubber) PISTON NUT THREADED TS-7-WR CLAMP TYPE ROD SUB ROD THREADED TYPE EXTENSION ROD SUB ROD	5 3/4"	TS-4259-56HP	G-260 *	LLU-56-B15	LL-56-B15	HPW-56-B15	I-56-B15	TM-56-BR	
6 1/2" TS-4259-66HP G-260* LLU-64-L15 HPW-64-L15 I-64-L15 HeW-64-L15 I-66-L15 I-70-L15 I-70-L15 II-70-L15 II-70-L15 II-70-L15 II-70-L15 II-70-L15 II-70-L15 II-70-L15 II-70-L15 II-70-L15 IIII IIIII IIIIII IIIIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	6"	TS-4259-60HP	G-260 *	LLU-60-B15	LL-60-B15	HPW-60-B15	I-60-B15	TM-60-BR	
6 3/4" TS-4259-66HP G-260 * LLU-66-L15 HPW-66-L15 HPW-66-L15 HeW-70-L15 HeV/70-L15 He//70-L15 He//70-L15<	6 1/4"	TS-4259-62HP	G-260 *	LLU-62-L15	LL-62-L15	HPW-62-L15	I-62-L15	TM-62-BR	
7" TS-4259-70HP G-260 * LLU-70-L15 LL-70-L15 HPW-70-L15 I-70-L15 TM-70-LR VALVES, SEATS, SPRINGS GASKETS GASKETS PART NUMBER PART NUMBER VALVE 3 WEB DESIGN 3 WEB DESIGN FULL OPEN (1) FULL OPEN (2) PART NUMBER PART NUMBER VALVE TS-7-EEF TS-202PZL482 TS-0985M TS-7-V1 VALVE COVER GASKET TS-107.11.110.05 SEAT TS-7-DDB1 TS-202PZL482 TS-0985M TS-7-S1 CYLINDER HEAD GASKET TS-107.11.110.05 SPRING TS-7-DDB1 TS-202PZL482 TS-0985M TS-7-S1 CYLINDER HEAD GASKET TS-107.11.110.05 SPRING TS-5710-110 - - TS-6710-110L WEAR PLATE GASKET TS-107.11.110.42 INSERT (Urethane) TS-7-WI - TS-7-FR EXTENSION ROD SEAL - INSERT (Rubber) TS-7-WR - - TS-7-FR EXTENSION ROD BAFFLE TS-107.11.70.00 TS-107.11.114.00 TS-107.04.120.00 - TS-107.11.110.39 - - </th <th>6 1/2"</th> <td>TS-4259-64HP</td> <td>G-260 *</td> <td>LLU-64-L15</td> <td>LL-64-L15</td> <td>HPW-64-L15</td> <td>I-64-L15</td> <td>TM-64-LR</td>	6 1/2"	TS-4259-64HP	G-260 *	LLU-64-L15	LL-64-L15	HPW-64-L15	I-64-L15	TM-64-LR	
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				FLUID END M	ODULE				
TS-107.11.110.14-2 TMNB16-SEALKIT TMNB16-STUDSET	FLUID END MODULE STUDDED			MODULE S	MODULE SEAL SET		STUDS & NUTS SET		
		TS-107.11.110.14-2		TMNB16-SEALKIT		TMNB16-STUDSET			

TSC does not warrant or represent that any of such information is accurate, or that any products listed are compatible with each other. Any deviations from the OEM products should be verified as to compatibility.

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