

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 that 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.

FLUID END EXPENDABLES

TSC

WF1600LH (7500 PSI)

7 x 11

	LINERS		ZIRCONIA LINERS	LINER GASKETS	PISTONS				PISTON RUBBERS
SIZE	PART NUMBER	PART NUMBER	PART NUMBER	URETHANE BONDED	RUBBER BONDED	N'DURALL BONDED	REPLACEABLE RUBBER	PART NUMBER	
4 1/2"	TS-1197-44HP	TS-07466450	G-756	LLU-44-B15	LL-44-B15	HPW-44-B15	I-44-B15	TM-44-BR	
5"	TS-1197-50HP	TS-07466500	G-756	LLU-50-B15	LL-50-B15	HPW-50-B15	I-50-B15	TM-50-BR	
5 1/2"	TS-1197-54HP	TS-07466550	G-756	LLU-54-B15	LL-54-B15	HPW-54-B15	I-54-B15	TM-54-BR	
5 3/4"	TS-1197-56HP	TS-07466575	G-756	LLU-56-B15	LL-56-B15	HPW-56-B15	I-56-B15	TM-56-BR	
6"	TS-1197-60HP	TS-07466600	G-756	LLU-60-B15	LL-60-B15	HPW-60-B15	I-60-B15	TM-60-BR	
6 1/4"	TS-1197-62HP	TS-07466625	G-757	LLU-62-L15	LL-62-L15	HPW-62-L15	I-62-L15	TM-62-LR	
6 1/2"	TS-1197-64HP	TS-07466650	G-757	LLU-64-L15	LL-64-L15	HPW-64-L15	I-64-L15	TM-64-LR	
6 3/4"	TS-1197-66HP	TS-07466675	G-757	LLU-66-L15	LL-66-L15	HPW-66-L15	I-66-L15	TM-66-LR	
7"	TS-1197-70HP	TS-07466700		LLU-70-L15	LL-70-L15	HPW-70-L15	I-70-L15	TM-70-LR	
VALVES, SEATS, SPRINGS						TS-07466700			
	4 WEB DESIGN	3 WEB DESIGN	FULL OPEN (1)	FULL OPEN (2)		PART NUMBER			
VALVE	TS-6-EH	-	TS-0995M	TS-6-V1	VALVE COVER GASKET	TS-309PZL316			
SEAT	TS-6-ADDB6	-	TS-1561380	TS-6-S6	CYLINDER HEAD GASKET	TS-309PZL316			
SPRING	TS-5710-115	-	-	TS-5710-115	WEAR PLATE GASKET	TS-316PZL316			
INSERT (Urethane)	TS-6-WI	-	TS-6-MI	TS-6-FI	EXTENSION ROD SEAL	TS-2011872			
INSERT (Rubber)	TS-6-WR	-	-	TS-6-FR	EXTENSION ROD BAFFLE	TS-PZ840			
PISTON ROD & EXTENSION ROD									
ROD CLAMP	2-PIECE PISTON ROD STUD	PISTON NUT	2-PIECE THREADED TYPE PISTON ROD	CLAMP TYPE PISTON ROD	2-PIECE SUB ROD	THREADED TYPE EXTENSION ROD	CLAMP TYPE EXTENSION ROD		
TMPZ11-03-08	TS-PP1005294	TM-NUT	TS-PP1005290	TM-200	TS-PP1005292	-	TMPZ11-01-06		
FLUID END MODULE									
FLUID END MODULE STUDDED				MODULE SEAL SET		STUDS & NUTS SET			
TS-300PZL20390E				TMPZ11HP-SEALKIT		TMPZ11HP-STUDSSET			

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.

TSC Manufacturing and Supply LLC, 13788 West Road, Suite 100, Houston, Texas 77041, USA
 Tel: +1 832 456 3900 Fax: +1 832 456 3998 E-mail: sales@t-s-c.com