

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

HONGHUA

HHF-1600

7 x 12

	LINERS	ZIRCONIA LINERS	LINER GASKETS	PISTONS				PISTON RUBBERS
SIZE	TSC PART NUMBER	PART NUMBER	TSC PART NUMBER	URETHANE BONDED	RUBBER BONDED	N'DURALL BONDED	REPLACEABLE RUBBER	PART NUMBER
4"	TS-2145-40HP	TS-07499400	G-800 *	LLU-40-K15	LL-40-K15	HPW-40-K15	I-40-K15	TM-40-KR
4 1/2"	TS-2145-44HP	TS-07499450	G-800 *	LLU-44-B15	LL-44-B15	HPW-44-B15	I-44-B15	TM-44-BR
5"	TS-2145-50HP	TS-07499500	G-800 *	LLU-50-B15	LL-50-B15	HPW-50-B15	I-50-B15	TM-50-BR
5 1/2"	TS-2145-54HP	TS-07499550	G-800 *	LLU-54-B15	LL-54-B15	HPW-54-B15	I-54-B15	TM-54-BR
5 3/4"	TS-2145-56HP	TS-07499575	G-800 *	LLU-56-B15	LL-56-B15	HPW-56-B15	I-56-B15	TM-56-BR
6"	TS-2145-60HP	TS-07499600	G-800 *	LLU-60-B15	LL-60-B15	HPW-60-B15	I-60-B15	TM-60-BR
6 1/4"	TS-2145-62HP	TS-07499625	G-800 *	LLU-62-L15	LL-62-L15	HPW-62-L15	I-62-L15	TM-62-LR
6 1/2"	TS-2145-64HP	TS-07499650	G-800 *	LLU-64-L15	LL-64-L15	HPW-64-L15	I-64-L15	TM-64-LR
6 3/4"	TS-2145-66HP	TS-07499675	G-800 *	LLU-66-L15	LL-66-L15	HPW-66-L15	I-66-L15	TM-66-LR
7"	TS-2145-70HP	TS-07499700	G-800 *	LLU-70-L15	LL-70-L15	HPW-70-L15	I-70-L15	TM-70-LR
HONGHUA PART NUMBER		11-3161-0521~26	11-3161-0514				11-3161-0524-00	
VALVES, SEATS, SPRINGS					GASKETS			
	4 WEB DESIGN	FULL OPEN	HONGHUA PART NUMBER			TSC PART NUMBER	HONGHUA PART NUMBER	
VALVE	TS-7-EEF	TS-7-V1	11-3161-0511-01	VALVE COVER GASKET		G-741 *	11-3161-0512	
SEAT	TS-7-DDB1	TS-7-S1	11-3161-0511-06	CYLINDER HEAD GASKET		G-801 *	11-3161-0508	
SPRING	TS-5710-115	TS-5710-115L	11-3161-0510	WEAR PLATE GASKET		G-800 *	11-3161-0514	
INSERT (Urethane)	TS-7-WI	TS-7-FI	11-3161-0511-05					
PISTON ROD & EXTENSION ROD								
	ROD CLAMP		PISTON NUT	PISTON ROD		EXTENSION ROD		
TSC PART NUMBER	TMFB6-03-08		TM-NUT	TM-2145		TMF16-01-06		
HONGHUA PART NUMBER	11-3161-0522-00		11-3161-0532-00	11-3161-0518		11-3161-0412		
FLUID END MODULE								
	FLUID END MODULE STUDDER		MODULE SEAL SET			STUDS & NUTS SET		
TSC PART NUMBER	TS-6316-0357-00B		TMFB6-SEALKIT			TMBJ16-STUDSET		
HONGHUA PART NUMBER	11-3161-0501-00							

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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