

# Mud Pump Parts

## Fluid End

The fluid end produces the pumping process with valves, pistons, and liners. Because these components are high-wear items, modern pumps are designed to allow quick replacement of these parts..

To reduce severe vibration caused by the pumping process, these pumps incorporate both a suction and discharge pulsation dampener. These are connected to the inlet and outlet of the fluid end.

## Power End

The power end converts the rotation of the drive shaft to the reciprocating motion of the pistons. In most cases a [crosshead](#) crank gear is used for this.

## Mud pump parts

A mud pump is composed of many parts including mud pump liner, mud pump piston, modules, hydraulic seat pullers, and other parts. Parts of a mud pump: 1. housing itself, 2. liner with packing, 3. cover plus packing, 4. piston and piston rod, 5. suction valve and discharge valve with their seats, 6. stuffing box (only in double-acting pumps), 7. gland (only in double-acting pumps), 8. pulsation dampener.

E5238U	MUC5136	6319-0078-00	546293
		bearing(original)	
MUC5148	E-5140-UMR	6319-0078-00	10-6040
ZT-7872	MUC5144	7602-0212-89	544000
ZT-8004	MUC5144	6310-0012-00	546293
ZT-7006	W-4482	7602-0213-07	10-6209
7602-0220-62	MUC5136	7602-0212-67	ZT-7872
7602-0220-61	X39042	7602-0212-88	ZT-8004
7602-0202-01	E5238U	7602-0211-09	ZT-7006
22-030-007	MUC5148	7602-0210-37	7602-0220-62
IB-666	4600170/649366	7602-0213-05	7602-0220-61
IB-429	4600169/649472	6301-0038-00	7602-0202-01