



MUD PUMP

PARTS & EXPENDABLES

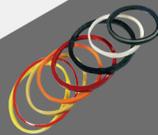
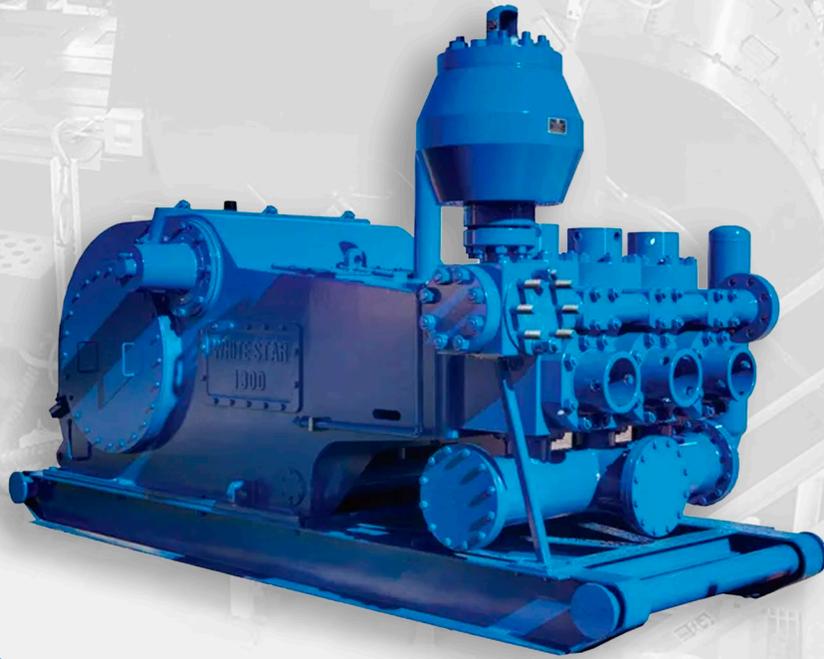


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6-3/4 X 7

EMSCO

F-350

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	M-I40HK10	M-I40HK	M-BR-400-10	M-LL-400-10	N/A
4 1/2"	M-I44HK10	M-I44HK	M-BR-440-10	M-LL-440-10	N/A
5"	M-I50HB10	M-I50HB	M-BR-500-10	M-LL-500-10	N/A
5 1/2"	M-I54HB10	M-I54HB	M-BR-540-10	M-LL-540-10	N/A
6"	M-I60HB10	M-I60HB	M-BR-600-10	M-LL-600-10	N/A
6-1/4"	M-I62HB10	M-I62HB	M-BR-620-10	M-LL-620-10	N/A
6 1/2"	M-I64HL10	M-I64HL	M-BR-640-10	M-LL-640-10	N/A
7"	N/A	N/A	N/A	N/A	N/A

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	N/A	N/A	N/A	N/A	N/A
4-WEB	M-U5B-05	M-5DD-B1	M-5710-111	M-UDD-5B	M-1700-5
G2-FULL OPEN	N/A	N/A	N/A	N/A	N/A
NV-FULL OPEN	MND-5-V1	MND-5-S1	M-5710-030	MND-5-S1	MND-5-PH
SW-FULL OPEN	N/A	N/A	N/A	N/A	N/A
ROUGHNECK	N/A	N/A	N/A	N/A	N/A
DOUBLE ANGLE	M-0500117	M-0508623	M-05147900	M-0515844	M-1700-5BA
PLATE TYPE	M-0504991	M-0508623	M-05144230	M-0504888	M-1700-5BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0146-40	MG-0281
4 1/2"	M-0146-44	MG-0281
5"	M-0146-50	MG-0281
5 1/2"	M-0146-54	MG-0281
6"	M-0146-60	MG-0281
6 1/4"	M-0146-62	MG-0281
6 1/2"	M-0146-64	MG-0281
6 3/4"	M-0146-66	MG-0281

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0733	MG-0281

	PISTON ROD	SUB ROD	EXTENSION ROD	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0147	N/A	M-16-0142	M-24-0146	M-7403224

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

6-3/4 X 7-1/2

EMSCO

F-500

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	M-I40HK10	M-I40HK	M-BR-400-10	M-LL-400-10	N/A
4 1/2"	M-I44HK10	M-I44HK	M-BR-440-10	M-LL-440-10	N/A
5"	M-I50HB10	M-I50HB	M-BR-500-10	M-LL-500-10	N/A
5 1/2"	M-I54HB10	M-I54HB	M-BR-540-10	M-LL-540-10	N/A
6"	M-I60HB10	M-I60HB	M-BR-600-10	M-LL-600-10	N/A
6-1/4"	M-I62HB10	M-I62HB	M-BR-620-10	M-LL-620-10	N/A
6 1/2"	M-I64HL10	M-I64HL	M-BR-640-10	M-LL-640-10	N/A
N/A	N/A	N/A	N/A	N/A	N/A

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	N/A	N/A	N/A	N/A	N/A
4-WEB	M-U5B-05	M-5DD-B1	M-5710-111	M-UDD-5B	M-1700-5
G2-FULL OPEN	N/A	N/A	N/A	N/A	N/A
NV-FULL OPEN	MND-5-V1	MND-5-S1	M-5710-030	MND-5-S1	MND-5-PH
SW-FULL OPEN	N/A	N/A	N/A	N/A	N/A
ROUGHNECK	N/A	N/A	N/A	N/A	N/A
DOUBLE ANGLE	M-0500117	M-0508623	M-05147900	M-0515844	M-1700-5BA
PLATE TYPE	M-0504991	M-0508623	M-05144230	M-0504888	M-1700-5BA

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	M-0146-40	MG-0281
4 1/2"	M-0146-44	MG-0281
5"	M-0146-50	MG-0281
5 1/2"	M-0146-54	MG-0281
6"	M-0146-60	MG-0281
6 1/4"	M-0146-62	MG-0281
6 1/2"	M-0146-64	MG-0281
6 3/4"	M-0146-66	MG-0281

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
MG-0733	MG-0281

RODS

	PISTON ROD	SUB ROD	EXTENSION ROD	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0146	N/A	M-16-0146	M-24-0146	M-7403224

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

6-3/4 X 8

EMSCO

F-650

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	N/A
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	N/A
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	N/A
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	N/A
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	N/A
6-1/4"	M-I62HB14/15	M-I62HB	M-BR-620	M-LL-620	N/A
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	N/A
N/A	N/A	N/A	N/A	N/A	N/A

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	N/A	N/A	N/A	N/A	N/A
4-WEB	M-U5B-05	M-5DD-B1	M-5710-111	M-UDD-5B	M-1700-5
G2-FULL OPEN	N/A	N/A	N/A	N/A	N/A
NV-FULL OPEN	MND-5-V1	MND-5-S1	M-5710-030	MND-5-S1	MND-5-PH
SW-FULL OPEN	N/A	N/A	N/A	N/A	N/A
ROUGHNECK	N/A	N/A	N/A	N/A	N/A
DOUBLE ANGLE	M-0500117	M-0508623	M-05147900	M-0515844	M-1700-5BA
PLATE TYPE	M-0504991	M-0508623	M-05144230	M-0504888	M-1700-5BA

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	M-0146-40	MG-0281
4 1/2"	M-0146-44	MG-0281
5"	M-0146-50	MG-0281
5 1/2"	M-0146-54	MG-0281
6"	M-0146-60	MG-0281
6 1/4"	M-0146-62	MG-0281
6 1/2"	M-0146-64	MG-0281
6 3/4"	M-0146-66	MG-0281

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
MG-0733	MG-0281

RODS

	PISTON ROD	SUB ROD	EXTENSION ROD	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0151	N/A	M-16-0141	M-24-0147	M-7403364



MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

6-3/4 X 10

EMSCO

F-800

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-40-3
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-44-3
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-60-3
6-1/4"	M-I62HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-62-3
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-64-3

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	N/A	N/A	N/A	N/A	N/A
4-WEB	M-U5B-EH	M-6ADD-B6	M-5710-111	M-UDD-6AB	M-1700-6
4-WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B6	M-5710-111	M-UDD-6ABHT	M-1700-6
G2-FULL OPEN	M-1560995	M-1561380	M-1560701	M-1560587	M-1700-6G2
NV-FULL OPEN	M-ND-6-V2	M-ND-6-S6	M-5710-115	M-ND-6-I	M-ND-6-PH
SW FULL OPEN	M-773-1	M-873-2	M-951	M-973	M-1700-6SW
ROUGHNECK	M-RN6-V1	M-RN6-S6	M-5710-110L	M-RN6-I	M-1700-6FO
DOUBLE ANGLE	M-0500119	M-0520008	M-05139890	M-0515845	M-1700-6BA
PLATE TYPE	M-0505038	M-0520008	M-05139880	M-0504890	M-1700-6BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0148-40	MG-0282
4 1/2"	M-0148-44	MG-0282
5"	M-0148-50	MG-0282
5 1/2"	M-0148-54	MG-0282
6"	M-0148-60	MG-0282
6 1/4"	M-0148-62	MG-0282
6 1/2"	M-0148-64	MG-0282
6 3/4"	M-0148-66	MG-0282

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0740	MG-0282

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0150	N/A	M-16-0150	M-24-0150	M-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

6-3/4 X 10

EMSCO

F-1000

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-40-3
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-44-3
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-60-3
6 1/4"	M-I62HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-62-3
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-64-3

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	N/A	N/A	N/A	N/A	N/A
4-WEB	M-U5B-EH	M-6ADD-B6	M-5710-111	M-UDD-6AB	M-1700-6
4-WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B6	M-5710-111	M-UDD-6ABHT	M-1700-6
G2-FULL OPEN	M-1560995	M-1561380	M-1560701	M-1560587	M-1700-6G2
NV-FULL OPEN	M-ND-6-V2	M-ND-6-S6	M-5710-115	M-ND-6-I	M-ND-6-PH
SW FULL OPEN	M-773-1	M-873-2	M-951	M-973	M-1700-6SW
ROUGHNECK	M-RN6-V1	M-RN6-S6	M-5710-110L	M-RN6-I	M-1700-6FO
DOUBLE ANGLE	M-0500119	M-0520008	M-05139890	M-0515845	M-1700-6BA
PLATE TYPE	M-0505038	M-0520008	M-05139880	M-0504890	M-1700-6BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0148-40	MG-0282
4 1/2"	M-0148-44	MG-0282
5"	M-0148-50	MG-0282
5 1/2"	M-0148-54	MG-0282
6"	M-0148-60	MG-0282
6 1/4"	M-0148-62	MG-0282
6 1/2"	M-0148-64	MG-0282
6 3/4"	M-0148-66	MG-0282

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0740	MG-0282

RODS					
PART NO.	PISTON ROD	SUB ROD	EXTENSION ROD	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0148	N/A	M-16-0148	M-24-0148	M-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7-1/2 X 12

EMSCO

FB-1300

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-40-3
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-44-3
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-60-3
6 1/4"	M-I62HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-62-3
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-64-3
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-70-3
7 1/2"	M-I74HL14/15	M-I74HL	N/A	N/A	M-UB-74-3

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-115	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-115	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-115	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7-V2	M-ND-7-S1	M-5710-115	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-115L	M-RN7-I	M-1700-7FO
DOUBLE ANGLE	M-0500110	M-0509309	M-05139890	M-0514275	M-1700-7BA
PLATE TYPE	M-0505062	M-0509309	M-05139880	M-0504893	M-1700-7BA

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	M-2145-40	MG-0800
4 1/2"	M-2145-44	MG-0800
5"	M-2145-50	MG-0800
5 1/2"	M-2145-54	MG-0800
6"	M-2145-60	MG-0800
6 1/4"	M-2145-62	MG-0800
6 1/2"	M-2145-64	MG-0800
6 3/4"	M-2145-66	MG-0800
7"	M-2145-70	MG-0800
7 1/2"	M-2145-74	MG-0800

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
MG-0741	MG-0801

RODS

	PISTON ROD	SUB ROD	EXTENSION ROD	ROD CLAMP	PISTON ROD NUT
PART NO.	M-2145	N/A	M-16-0145	M-24-0145	M-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7-1/2 X 12

EMSCO

FB-1600

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-40-3
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-44-3
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-60-3
6 1/4"	M-I62HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-62-3
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-64-3
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-70-3
7 1/2"	M-I74HL14/15	M-I74HL	N/A	N/A	M-UB-74-3

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-115	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-115	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-115	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7-V2	M-ND-7-S1	M-5710-115	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-115L	M-RN7-I	M-1700-7FO
DOUBLE ANGLE	M-0500110	M-0509309	M-05139890	M-0514275	M-1700-7BA
PLATE TYPE	M-0505062	M-0509309	M-05139880	M-0504893	M-1700-7BA

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	M-2145-40	MG-0800
4 1/2"	M-2145-44	MG-0800
5"	M-2145-50	MG-0800
5 1/2"	M-2145-54	MG-0800
6"	M-2145-60	MG-0800
6 1/4"	M-2145-62	MG-0800
6 1/2"	M-2145-64	MG-0800
6 3/4"	M-2145-66	MG-0800
7"	M-2145-70	MG-0800
7 1/2"	M-2145-74	MG-0800

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
MG-0741	MG-0801

RODS

PART NO.	PISTON ROD	SUB ROD	EXTENSION ROD	ROD CLAMP	PISTON ROD NUT
	M-2145	N/A	M-16-0145	M-24-0145	M-7403364



MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7 X 8

OPI

700HDL

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	N/A	N/A	N/A	N/A	N/A
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-44-3
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-60-3
6 1/4"	N/A	N/A	N/A	N/A	N/A
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-64-3
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-70-3
7 1/2"	N/A	N/A	N/A	N/A	N/A

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER	HEAD
3-WEB	N/A	N/A	N/A	N/A	N/A	N/A
4-WEB	M-U5B-EH	M-6ADD-B6	M-5710-115	M-UDD-6AB	M-1700-6	M-1700-6
4-WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B6	M-5710-115	M-UDD-6ABHT	M-1700-6	M-1700-6
G2 - FULL OPEN	M-1560995	M-1561380	M-1560701	M-1560587	M-1700-6G2	M-1700-6G2
NV-FULL OPEN	M-NF-6-V1	M-NF6-S3	M-19000-4	M-NF-6-I	NF-6-PH	NF-6-PH
SW FULL OPEN	N/A	N/A	N/A	N/A	N/A	N/A
ROUGHNECK	M-RN6-V1	M-RN6-S6	M-5710-115	M-RN6-I	M-1700-6FO	M-1700-6FO

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	M-0481-40	MG-0753
4 1/2"	M-0481-44	MG-0754
5"	M-0481-50	MG-0742
5 1/2"	M-0481-54	MG-0743
6"	M-0481-60	MG-0745
6 1/2"	M-0481-64	MG-0746
7"	M-0481-70	MG-0756

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
MG-0745	MG-0745

RODS

	PISTON ROD	SUB ROD	EXTENSION ROD	EXTENSION ROD CLAMP	PISTON ROD CLAMP	PISTON ROD NUT
CLAMP TYPE	M-0482	M-0482-B	M-16-0481	M-24-0481	M-24-0482	M-7403364
THREAD TYPE	M-0481	M-0481-B	M-16-0481	N/A	N/A	M-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

5 X 8

GARDNER DENVER

PAH (All models), PJ8A

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
3"	N/A	M-I30HA	N/A	N/A	N/A
3-1/2"	M-I34HK14/15	M-I34HK	N/A	N/A	N/A
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	N/A
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	N/A
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	N/A
5 1/2"	N/A	N/A	N/A	N/A	N/A
6"	N/A	N/A	N/A	N/A	N/A
6 1/4"	N/A	N/A	N/A	N/A	N/A
6 1/2"	N/A	N/A	N/A	N/A	N/A
7"	N/A	N/A	N/A	N/A	N/A
7 1/2"	N/A	N/A	N/A	N/A	N/A

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-PJ482A	M-PJ451	M-5710-078	M-PJ452	M-1700-4GD
4-WEB	N/A	N/A	N/A	N/A	N/A
4-WEB HIGH TEMP	N/A	N/A	N/A	N/A	N/A
G2 - FULL OPEN	N/A	N/A	N/A	N/A	N/A
NV-FULL OPEN	M-ND-4-V1	M-NF-4-S5	M-5710-033	M-NF-4-I	M-ND-4-PH
SW FULL OPEN	N/A	N/A	N/A	N/A	N/A
ROUGHNECK	N/A	N/A	N/A	N/A	N/A

Liners & Liner Packing			
SIZES	LINER	LINER PACKING	LINER (LARGE OD)
3"	M-0189-30	MG-0266	M-0193-30
3 1/2"	M-0189-34	MG-0266	M-0193-34
4"	M-0189-40	MG-0266	M-0193-40
4 1/2"	M-0189-44	MG-0266	M-0193-44
5"	N/A	MG-0266	M-0193-50
5 1/2"	N/A	N/A	N/A
6"	N/A	N/A	N/A
6 1/2"	N/A	N/A	N/A
7"	N/A	N/A	N/A

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0799	MG-0799

RODS					
CLAMP TYPE	PISTON ROD	SUB ROD	EXTENSION ROD	ROD CLAMP	PISTON ROD NUT
	M-0204	N/A	M-300TEE839	M-201TAE092A	M-7403224

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

4 X 5

GARDNER DENVER

TEE, TGE

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
3"	M-I30HA10	M-I30HA	N/A	N/A	N/A
3 1/2"	M-I34HK10	M-I34HK	N/A	N/A	N/A
4"	M-I40HK10	M-I40HK	M-BR-400-10	M-LL-400-10	N/A
4 1/2"	N/A	N/A	N/A	N/A	N/A
5"	N/A	N/A	N/A	N/A	N/A
5 1/2"	N/A	N/A	N/A	N/A	N/A
6"	N/A	N/A	N/A	N/A	N/A
6 1/4"	N/A	N/A	N/A	N/A	N/A
6 1/2"	N/A	N/A	N/A	N/A	N/A
7"	N/A	N/A	N/A	N/A	N/A
7 1/2"	N/A	N/A	N/A	N/A	N/A

ABRASION RESISTANT

VALVE ASSEMBLY	M-209TEE482 (Includes Valve Body Cage, Spring and Insert)
INSERT	M-ARI-10
SPRING	M-2116523
VALVE SEAT PULLER HEAD	M-1700-16SN

Liners & Liner Packing

SIZES	LINER	LINER PACKING
3"	M-1190-30	MG-0174
3 1/2"	M-1190-34	MG-0174
4"	M-1190-40	MG-0174
4 1/2"	N/A	N/A
5"	N/A	N/A
5 1/2"	N/A	N/A
6"	N/A	N/A
6 1/2"	N/A	N/A
7"	N/A	N/A

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
M-25AL20	M-25AL20

RODS

	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0204	N/A	M-300TEE839	M-201TAE092A	M-7403224

7 X 7

GARDNER DENVER PZ-GA & GB

PZ-7

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-140HK14/15	M-140HB	M-BR-400	M-LL-400	M-UB-40-3
4 1/2"	M-144HK14/15	M-144HB	M-BR-440	M-LL-440	M-UB-44-3
5"	M-150HB14/15	M-150HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-154HB14/15	M-154HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-160HB14/15	M-160HB	M-BR-600	M-LL-600	M-UB-60-3
6 1/4"	M-160HB14/15	M-162HB	M-BR-620	M-LL-620	M-UB-62-3
6 1/2"	M-164HL14/15	M-164HL	M-BR-640	M-LL-640	M-UB-64-3
6 3/4"	M-164HL14/15	M-166HL	M-BR-660	M-LL-660	M-UB-70-3
7"	M-170HL14/15	M-170HL	M-BR-700	M-LL-700	M-UB-74-3

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-110	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-110	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-110	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7- V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-110L	M-RN7-I	M-1700-7FO
DOUBLE ANGLE	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKIN
4"	M-1192-40	MG-0692
4 1/2"	M-1192-44	MG-0692
5"	M-1192-50	MG-0692
5 1/2"	M-1192-54	MG-0692
6"	M-1192-60	MG-0692
6 1/4"	M-1192-62	MG-0692
6 1/2"	M-1192-64	MG-0692
6 3/4"	M-1192-66	MG-0692
7"	M-1192-70	MG-0692

Gaskets	
Valve Cover Gasket	Valve Cover Gasket
MG-0749	MG-0749

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
CLAMP TYPE	M-0205	N/A	M-16-0205	M-24-0191	M-7403364
THREAD TYPE	M-0196	N/A	M-16-0196	N/A	M-7403364

7 X 8

GARDNER DENVER DENVER PZ-H-E, VE

PZ-8

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HB	M-BR-400	M-LL-400	M-UB-40-3
4 1/2"	M-I44HK14/15	M-I44HB	M-BR-440	M-LL-440	M-UB-44-3
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-60-3
6 1/4"	M-I60HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-62-3
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-64-3
6 1/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-70-3
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-74-3

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-110	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-110	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-110	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7- V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-110L	M-RN7-I	M-1700-7FO
DOUBLE ANGLE	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Linners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-1191-40	MG-0692
4 1/2"	M-1191-44	MG-0692
5"	M-1191-50	MG-0692
5 1/2"	M-1191-54	MG-0692
6"	M-1191-60	MG-0692
6 1/4"	M-1191-62	MG-0692
6 1/2"	M-1191-64	MG-0692
6 3/4"	M-1191-66	MG-0692
7"	M-1191-70	MG-0692

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0749	MG-0749

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
CLAMP TYPE	M-0191	N/A	M-16-0192	M-24-0191	M-7403364
THREAD TYPE	M-0202	N/A	M-16-0196	N/A	M-7403364

7x9

GARDNER DENVER PZ-GA & GB

PZ-9

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-140HK14/15	M-140HB	M-BR-400	M-LL-400	M-UB-40-3
4 1/2"	M-144HK14/15	M-144HB	M-BR-440	M-LL-440	M-UB-44-3
5"	M-150HB14/15	M-150HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-154HB14/15	M-154HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-160HB14/15	M-160HB	M-BR-600	M-LL-600	M-UB-60-3
6 1/4"	M-160HB14/15	M-162HB	M-BR-620	M-LL-620	M-UB-62-3
6 1/2"	M-164HL14/15	M-164HL	M-BR-640	M-LL-640	M-UB-64-3
6 1/4"	M-164HL14/15	M-166HL	M-BR-660	M-LL-660	M-UB-70-3
7"	M-170HL14/15	M-170HL	M-BR-700	M-LL-700	M-UB-74-3

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-110	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-110	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-110	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7- V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-110L	M-RN7-I	M-1700-7FO
DOUBLE ANGLE	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-1191-40	MG-0692
4 1/2"	M-1191-44	MG-0692
5"	M-1191-50	MG-0692
5 1/2"	M-1191-54	MG-0692
6"	M-1191-60	MG-0692
6 1/4"	M-1191-62	MG-0692
6 1/2"	M-1191-64	MG-0692
6 3/4"	M-1191-66	MG-0692
7"	M-1191-70	MG-0692

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0749	MG-0749

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
CLAMP TYPE	M-0191	N/A	M-16-0191	M-24-0191	M-7403364
THREAD TYPE	M-0202	N/A	M-16-0201	N/A	M-7403364

7x10

GARDNER DENVER PZL

PZ-10

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HB	M-BR-400	M-LL-400	M-UB-40-3
4 1/2"	M-I44HK14/15	M-I44HB	M-BR-440	M-LL-440	M-UB-44-3
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-60-3
6 1/4"	M-I60HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-62-3
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-64-3
6 3/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-70-3
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-74-3

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-110	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-110	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-110	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7- V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-110L	M-RN7-I	M-1700-7FO
DOUBLE ANGLE	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0197-40	MG-0692
4 1/2"	M-0197-44	MG-0692
5"	M-0197-50	MG-0692
5 1/2"	M-0197-54	MG-0692
6"	M-0197-60	MG-0692
6 1/4"	M-0197-62	MG-0692
6 1/2"	M-0197-64	MG-0692
6 3/4"	M-0197-66	MG-0692
7"	M-0197-70	MG-0692

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0780	MG-0780

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
CLAMP TYPE	M-0200	N/A	M-16-0200	M-24-0200	M-7403364
THREAD TYPE	M-0201	N/A	M-16-0201	N/A	M-7403364

7 X 11

GARDNER DENVER PZL

PZ-11

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HB	M-BR-400	M-LL-400	M-UB-40-3
4 1/2"	M-I44HK14/15	M-I44HB	M-BR-440	M-LL-440	M-UB-44-3
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-50-3
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-54-3
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-60-3
6 1/4"	M-I60HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-62-3
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-64-3
6 3/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-70-3
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-74-3

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-110	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-110	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-110	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7- V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-110L	M-RN7-I	M-1700-7FO
DOUBLE ANGLE	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0197-40	MG-0692
4 1/2"	M-0197-44	MG-0692
5"	M-0197-50	MG-0692
5 1/2"	M-0197-54	MG-0692
6"	M-0197-60	MG-0692
6 1/4"	M-0197-62	MG-0692
6 1/2"	M-0197-64	MG-0692
6 3/4"	M-0197-66	MG-0692
7"	M-0197-70	MG-0692

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0780	MG-0780

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
CLAMP TYPE	M-0200	N/A	M-16-0200	M-24-0200	M-7403364
THREAD TYPE	M-0201	N/A	M-16-0201	N/A	M-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7x8

IDECO

T-500

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-I64HL14/15	M-I62HL	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-660
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-700

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
4-WEB	M-U5B-EH	M-6ADD-B6	M-5710-115	M-UDD-6AB	M-1700-6
4-WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B6	M-5710-115	M-UDD-6ABHT	M-1700-6
G2-FULL OPEN	M-1560995	M-1561380	M-1560701	M-1560587	M-1700-6G2
NV FULL OPEN	M-ND-6-V1	M-ND-6-S6	M-5710-115L	M-ND-6-I	M-ND-6-PH
SW FULL OPEN	M-773-1	M-873-2	M-950	M-973	M-1700-6SW
ROUGHNECK	M-RN6-V1	M-RN6-S6	M-5710-115L	M-RN6-I	M-1700-6FO
DOUBLE ANGLE	M-0500119	M-0520008	M-05147900	M-0515845	M-1700-6BA
PLATE TYPE	M-0505038	M-0520008	M-05144230	M-0504890	M-1700-6BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0234-40	MG-0783
4 1/2"	M-0234-44	MG-0783
5"	M-0234-50	MG-0783
5 1/2"	M-0234-54	MG-0783
6"	M-0234-60	MG-0783
6 1/4"	M-0234-62	MG-0783
6 1/2"	M-0234-64	MG-0783
6 3/4"	M-0234-66	MG-0783
7"	M-0234-70	MG-0783

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0783	MG-0783

RODS					
PART NO.	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	MK-0237	N/A	MK-16-0237	MK-24--0237	MK-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7x9

IDECO

T-800

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-140HK14/15	M-140HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-144HK14/15	M-144HK	M-BR-440	M-LL-440	M-UB-440
5"	M-150HB14/15	M-150HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-154HB14/15	M-154HB	M-BR-540	M-LL-540	M-UB-540
6"	M-160HB14/15	M-160HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-164HL14/15	M-162HL	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-164HL14/15	M-164HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-164HL14/15	M-166HL	M-BR-660	M-LL-660	M-UB-660
7"	M-170HL14/15	M-170HL	M-BR-700	M-LL-700	M-UB-700

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
4-WEB	M-U5B-EH	M-6ADD-B6	M-5710-115	M-UDD-6AB	M-1700-6
4-WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B6	M-5710-115	M-UDD-6ABHT	M-1700-6
G2-FULL OPEN	M-1560995	M-1561380	M-1560701	M-1560587	M-1700-6G2
NV FULL OPEN	M-ND-6-V1	M-ND-6-S6	M-5710-115L	M-ND-6-I	M-ND-6-PH
SW FULL OPEN	M-773-1	M-873-2	M-950	M-973	M-1700-6SW
ROUGHNECK	M-RN6-V1	M-RN6-S6	M-5710-115L	M-RN6-I	M-1700-6FO
DOUBLE ANGLE	M-0500119	M-0520008	M-05147900	M-0515845	M-1700-6BA
PLATE TYPE	M-0505038	M-0520008	M-05144230	M-0504890	M-1700-6BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0230-40	MG-0783
4 1/2"	M-0230-44	MG-0783
5"	M-0230-50	MG-0783
5 1/2"	M-0230-54	MG-0783
6"	M-0230-60	MG-0783
6 1/4"	M-0230-62	MG-0783
6 1/2"	M-0230-64	MG-0783
6 3/4"	M-0230-66	MG-0783
7"	M-0230-70	MG-0783

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0783	MG-0783

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	MK-0230	N/A	MK-16-0230	MK-24-0230	MK-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7x10

IDECO

T-1000

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-I64HL14/15	M-I62HL	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-660
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-700

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
4-WEB	M-U5B-EH	M-6ADD-B6	M-5710-115	M-UDD-6AB	M-1700-6
4-WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B6	M-5710-115	M-UDD-6ABHT	M-1700-6
G2-FULL OPEN	M-1560995	M-1561380	M-1560701	M-1560587	M-1700-6G2
NV FULL OPEN	M-ND-6-V1	M-ND-6-S6	M-5710-115L	M-ND-6-I	M-ND-6-PH
SW FULL OPEN	M-773-1	M-873-2	M-950	M-973	M-1700-6SW
ROUGHNECK	M-RN6-V1	M-RN6-S6	M-5710-115L	M-RN6-I	M-1700-6FO
DOUBLE ANGLE	M-0500119	M-0520008	M-05147900	M-0515845	M-1700-6BA
PLATE TYPE	M-0505038	M-0520008	M-05144230	M-0504890	M-1700-6BA

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	M-0230-40	MG-0783
4 1/2"	M-0230-44	MG-0783
5"	M-0230-50	MG-0783
5 1/2"	M-0230-54	MG-0783
6"	M-0230-60	MG-0783
6 1/4"	M-0230-62	MG-0783
6 1/2"	M-0230-64	MG-0783
6 3/4"	M-0230-66	MG-0783
7"	M-0230-70	MG-0783

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
MG-0783	MG-0783

RODS

	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0230	N/A	M-16-0231	M-24-0230	M-7403364



7-1/2 x 12

IDECO

T-1300

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-I64HL14/15	M-I62HL	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-660
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-700

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-115	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-115	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EFHHT	M-7DD-B1	M-5710-115	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7-V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-115L	M-RN7-I	M-1700-7FO
DOUBLE ANGLE	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA

Linners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0233-40	MG-0782
4 1/2"	M-0233-44	MG-0782
5"	M-0233-50	MG-0782
5 1/2"	M-0233-54	MG-0782
6"	M-0233-60	MG-0782
6 1/4"	M-0233-62	MG-0782
6 1/2"	M-0233-64	MG-0782
6 3/4"	M-0233-66	MG-0782
7"	M-0233-70	MG-0782
7 1/2"	M-0233-74	MG-0782

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0782	MG-0782

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0233	N/A	M-16-0233	M-24-0233	MK-7403364

7-1/2 x 12

IDECO

T-1600

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-I64HL14/15	M-I62HL	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-660
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-700

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-115	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-115	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHHT	M-7DD-B1	M-5710-115	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7-V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-115L	M-RN7-I	M-1700-7FO
MP-DOUBLE ANGLE	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
MP-PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0233-40	MG-0782
4 1/2"	M-0233-44	MG-0782
5"	M-0233-50	MG-0782
5 1/2"	M-0233-54	MG-0782
6"	M-0233-60	MG-0782
6 1/4"	M-0233-62	MG-0782
6 1/2"	M-0233-64	MG-0782
6 3/4"	M-0233-66	MG-0782
7"	M-0233-70	MG-0782
7 1/2"	M-0233-74	MG-0782

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0782	MG-0782

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0233	N/A	M-16-0233	M-24-0233	M-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7 X 8

OILWELL

A-560-PT

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I44HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-I62HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-660
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-700

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	N/A	N/A	N/A	N/A	N/A
4-WEB	M-U5B-EH	M-6ADD-B6	M-5710-115	M-UDD-6AB	M-1700-6
4-WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B6	M-5710-115	M-UDD-6ABHT	M-1700-6
G2 - FULL OPEN	M-1560995	M-1561380	M-1560701	M-1560587	M-1700-6G2
NV-FULL OPEN	M-ND-6-V1	M-ND-6-S6	M-5710-115L	M-ND-6-I	M-ND-6-PH
SW FULL OPEN	N/A	N/A	N/A	N/A	N/A
ROUGHNECK	M-RN6-V1	M-RN6-S6	M-5710-115L	M-RN6-I	M-1700-6FO

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	M-0287-40	MG-0753
4 1/2"	M-0287-44	MG-0754
5"	M-0287-50	MG-0742
5 1/2"	M-0287-54	MG-0743
6"	M-0287-60	MG-0745
6 1/4"	M-0287-62	MG-0770
6 1/2"	M-0287-64	MG-0746
6 3/4"	M-0287-66	MG-0755
7"	M-0287-70	MG-0756

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
MG-0732	N/A

RODS

	PISTON ROD	SUB ROD	CONNECTING ROD	EXTENSION ROD	PISTON ROD CLAMP	PISTON ROD NUT
PART NO.	M-0283-C	M-0283-A	M-0283-D	M-16-0283	M-24-0283	M-7403364



MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7 X 8

OILWELL

A-350/600-PT

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I44HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-I62HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-660
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-700

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	N/A	N/A	N/A	N/A	N/A
4-WEB	M-U5B-EH	M-6ADD-B6	M-5710-111	M-UDD-6AB	M-1700-6
4-WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B6	M-5710-111	M-UDD-6ABHT	M-1700-6
G2 - FULL OPEN	M-1560995	M-1561380	M-1560701	M-1560587	M-1700-6G2
NV-FULL OPEN	M-ND-6-V1	M-ND-6-S6	M-5710-115L	M-ND-6-I	M-ND-6-PH
SW FULL OPEN	N/A	N/A	N/A	N/A	N/A
ROUGHNECK	M-RN6-V1	M-RN6-S6	M-5710-111	M-RN6-I	M-1700-6FO

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	M-0287-40	MG-0753
4 1/2"	M-0287-44	MG-0754
5"	M-0287-50	MG-0742
5 1/2"	M-0287-54	MG-0743
6"	M-0287-60	MG-0745
6 1/4"	M-0287-62	MG-0770
6 1/2"	M-0287-64	MG-0746
6 3/4"	M-0287-66	MG-0755
7"	M-0287-70	MG-0756

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
MG-0732	N/A

RODS

	PISTON ROD	SUB ROD	CONNECTING ROD	EXTENSION ROD	PISTON ROD	PISTON ROD NUT
PART NO.	M-0283-C	M-0283-B	M-0283-D	M-16-0282	M-24-0284	M-7403364

7-1/2 X 9

OILWELL

A-850-PT

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-144HK14/15	M-140HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-144HK14/15	M-144HK	M-BR-440	M-LL-440	M-UB-440
5"	M-150HB14/15	M-150HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-154HB14/15	M-154HB	M-BR-540	M-LL-540	M-UB-540
6"	M-160HB14/15	M-160HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-162HB14/15	M-162HB	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-164HL14/15	M-164HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-164HL14/15	M-166HL	M-BR-660	M-LL-660	M-UB-660
7"	M-170HL14/15	M-170HL	M-BR-700	M-LL-700	M-UB-700
7 1/4"	M-172HL14/15	M-172HL	M-BR-720	M-LL-720	M-UB-720
7 1/2"	M-174HL14/15	M-174HL	M-BR-740	M-LL-740	M-UB-740

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-110	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-110	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-110	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7-V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-110L	M-RN7-I	M-1700-7FO
MP-DOUBLE ANGLE	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
MP-PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0289-40	MG-0753
4 1/2"	M-0289-44	MG-0754
5"	M-0289-50	MG-0742
5 1/2"	M-0289-54	MG-0743
6"	M-0289-60	MG-0745
6 1/4"	M-0289-62	MG-0770
6 1/2"	M-0289-64	MG-0746
6 3/4"	M-0289-66	MG-0755
7"	M-0289-70	MG-0756
7 1/4"	M-0289-72	MG-0757
7 1/2"	M-0289-74	MG-0758

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0760	N/A

RODS						
PART NO.	PISTON ROD	SUB ROD	CONNECTING ROD	EXTENSION ROD	PISTON ROD CLAMP	PISTON ROD NUT
	M-0283-C	M-0283-A	M-0283-D	M-16-0284	M-24-0284	M-7403364



MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7-1/2 X 10

OILWELL

A-1100-PT

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	M-144HK14/15	M-140HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-144HK14/15	M-144HK	M-BR-440	M-LL-440	M-UB-440
5"	M-150HB14/15	M-150HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-154HB14/15	M-154HB	M-BR-540	M-LL-540	M-UB-540
6"	M-160HB14/15	M-160HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-162HB14/15	M-162HB	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-164HL14/15	M-164HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-164HL14/15	M-166HL	M-BR-660	M-LL-660	M-UB-660
7"	M-170HL14/15	M-170HL	M-BR-700	M-LL-700	M-UB-700
7 1/4"	M-172HL14/15	M-172HL	M-BR-720	M-LL-720	M-UB-720
7 1/2"	M-174HL14/15	M-174HL	M-BR-740	M-LL-740	M-UB-740

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-110	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-110	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-110	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7-V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-110L	M-RN7-I	M-1700-7FO
MP-DOUBLE ANGEL	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
MP-PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0289-40	MG-0753
4 1/2"	M-0289-44	MG-0754
5"	M-0289-50	MG-0742
5 1/2"	M-0289-54	MG-0743
6"	M-0289-60	MG-0745
6 1/4"	M-0289-62	MG-0770
6 1/2"	M-0289-64	MG-0746
6 3/4"	M-0289-66	MG-0755
7"	M-0289-70	MG-0756
7 1/4"	M-0289-72	MG-0757
7 1/2"	M-0289-74	MG-0758

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0760	N/A

RODS						
PART NO.	PISTON ROD	SUB ROD	CONNECTING ROD	EXTENSION ROD	PISTON ROD CLAMP	PISTON ROD NUT
PART NO.	M-0283-C	M-0283-A	M-0283-D	M-16-0284	M-24-0284	M-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7-1/2 X 10

OILWELL

A-1400-PT

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-144HK14/15	M-140HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-144HK14/15	M-144HK	M-BR-440	M-LL-440	M-UB-440
5"	M-150HB14/15	M-150HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-154HB14/15	M-154HB	M-BR-540	M-LL-540	M-UB-540
6"	M-160HB14/15	M-160HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-162HB14/15	M-162HB	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-164HL14/15	M-164HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-164HL14/15	M-166HL	M-BR-660	M-LL-660	M-UB-660
7"	M-170HL14/15	M-170HL	M-BR-700	M-LL-700	M-UB-700
7 1/4"	M-172HL14/15	M-172HL	M-BR-720	M-LL-720	M-UB-720
7 1/2"	M-174HL14/15	M-174HL	M-BR-740	M-LL-740	M-UB-740

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-110	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-110	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-110	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7-V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-110L	M-RN7-I	M-1700-7FO
MP-DOUBLE ANGEL	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
MP-PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0284-40	MG-0753
4 1/2"	M-0284-44	MG-0754
5"	M-0284-50	MG-0742
5 1/2"	M-0284-54	MG-0743
6"	M-0284-60	MG-0745
6 1/4"	M-0284-62	MG-0770
6 1/2"	M-0284-64	MG-0746
6 3/4"	M-0284-66	MG-0755
7"	M-0284-70	MG-0756
7 1/4"	M-0284-72	MG-0757
7 1/2"	M-0284-74	MG-0758

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0760	N/A

RODS						
PART NO.	PISTON ROD	SUB ROD	CONNECTING ROD	EXTENSION ROD CLAMP	PISTON ROD CLAMP	PISTON ROD NUT
	M-0283-C	M-0283-A	M-0283-D	M-16-0284	M-24-0284	M-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

7-1/2 X 12

OILWELL

A-1700-PT

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I44HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/4"	M-I62HB14/15	M-I62HB	M-BR-620	M-LL-620	M-UB-620
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640
6 3/4"	M-I64HL14/15	M-I66HL	M-BR-660	M-LL-660	M-UB-660
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-700
7 1/4"	M-I72HL14/15	M-I72HL	M-BR-720	M-LL-720	M-UB-720
7 1/2"	M-I74HL14/15	M-I74HL	M-BR-740	M-LL-740	M-UB-740

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
3-WEB	M-202PZL482A	M-202PZL039	M-5710-110	M-201PZL106	M-1700-7R
4-WEB	M-U5C-EEF	M-7DD-B1	M-5710-110	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B1	M-5710-110	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561370	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7-V1	M-ND-7-S1	M-5710-115L	M-ND-7-I	M-ND-7-PH
SW FULL OPEN	M-777-7	M-877-7	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S1	M-5710-110L	M-RN7-I	M-1700-7FO
MP-DOUBLE ANGEL	M-0500110	M-0509309	M-05147900	M-0514275	M-1700-7BA
MP-PLATE TYPE	M-0505062	M-0509309	M-05144230	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0284-40	MG-0753
4 1/2"	M-0284-44	MG-0754
5"	M-0284-50	MG-0742
5 1/2"	M-0284-54	MG-0743
6"	M-0284-60	MG-0745
6 1/4"	M-0284-62	MG-0770
6 1/2"	M-0284-64	MG-0746
6 3/4"	M-0284-66	MG-0755
7"	M-0284-70	MG-0756
7 1/4"	M-0284-72	MG-0757
7 1/2"	M-0284-74	MG-0758

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0760	N/A

RODS						
PART NO.	PISTON ROD	SUB ROD	CONNECTING ROD	EXTENSION ROD CLAMP	PISTON ROD CLAMP	PISTON ROD NUT
PART NO.	M-0283-C	M-0283-A	M-0283-D	M-16-0284	M-24-0284	M-7403364

4-1/2 X 5

NATIONAL

JWS165/340

Piston Size	(RR) Replaceable Rubber Pistons	(RRK) Rubber Kits	(BR) Bonded Rubber Pistons	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
3"	M-130HA10	M-130HA	N/A	N/A	N/A
3 1/2"	M-134HK10	M-134HK	N/A	N/A	N/A
4"	M-140HK10	M-140HB	M-BR-400-10	M-LL-400-10	M-UB-400-10
4 1/2"	M-144HK10	M-144HK	M-BR-440-10	M-LL-400-10	M-UB-400-10

SERIES	MP - G2	MP - G2
N/A	SUCTION	DISCHARGE
VALVE (Urethane Insert)	M-1561575	M-1561575
VALVE (Rubber Insert)	N/A	N/A
VALVE SEAT	M-1561571	M-1561572
VALVE SPRING	M-1712211	M-1712206
VALVE INSERT (Urethane)	M-1561577	M-1561577
VALVE INSERT (Red Thunder)	N/A	N/A
VALVE INSERT (Rubber)	N/A	N/A
VALVE SEAT PULLER HEAD	N/A	N/A

Liners & Liner Packing

SIZES	LINER	LINER PACKING
3"	M-0240-30	M-1712064
3 1/2"	M-0240-34	M-1712064
4"	M-0240-40	M-1712064
4 1/2"	M-0240-44	M-1712064

Gaskets

JWS165	M-2410031-429
JWS340	M-1718265

RODS

	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
ONE PIECE	M-0238	N/A	M-16-0238	M-24-0238	M-7403224



MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

5-1/2 X 7

NATIONAL

JWS400

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	Bull Nose Bonded Pistons
4"	M-I40HK10	M-I40HK	M-BR-400-10	M-LL-400-10	M-UB-400-10
4 1/2"	M-I44HK10	M-I44HK	M-BR-440-10	M-LL-440-10	M-UB-440-10
5"	M-I50HB10	M-I50HB	M-BR-500-10	M-LL-500-10	M-UB-500-10
5 1/2"	M-I54HB10	M-I54HB	M-BR-540-10	M-LL-540-10	M-UB-540-10

SERIES	MP – G2	MP – G2
N/A	SUCTION	DISCHARGE
VALVE (Urethane Insert)	M-1561575	M-1561575
VALVE (Rubber Insert)	N/A	N/A
VALVE SEAT	M-1561561	M-1561569
VALVE SPRING	M-1560698	M-1717296
VALVE INSERT (Urethane)	M-1561577	M-1561577
VALVE INSERT (Red Thunder)	N/A	N/A
VALVE INSERT (Rubber)	N/A	N/A
VALVE SEAT PULLER HEAD	N/A	N/A

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0237-40	M-0272
4 1/2"	M-0237-44	M-0274
5"	M-0237-50	M-0276
5 1/2"	M-0237-54	M-0278

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
M-1715146	N/A

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	M-2239-A	M-2239-B	M-16-2239	M-24-2239	M-7403224

6-1/4 X 7-3/4

NATIONAL

7-P-50

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400-10	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440-10	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500-10	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540-10	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600-10	M-LL-600	M-UB-600

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
MP-4 WEB	M-U5B-05	M-5DD-B3	M-5710-111	M-UDD-5B	M-1700-5
MP-FULL OPEN	M-ND-5-V2	M-ND-5-S3	M-5710-115	M-NF-5-I	M-ND-5-PH
MP-DOUBLE ANGLE	M-0500117	M-0515745	M-05147900	M-0515844	M-1700-5BA
MP-PLATE TYPE	M-0504991	M-0515745	M-05144230	M-0504888	M-1700-5BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0257-40	M-0272
4 1/2"	M-0257-44	M-0274
5"	M-0257-50	M-0276
5 1/2"	M-0257-54	M-0278
6"	M-0257-60	M-0280
6 1/4"	M-0257-62	M-0268

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
M-61-0253	N/A

RODS					
	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0257-A	M-0257-B	M-16-0257	M-24-0257	M-7403364

MUD PUMP EXPENDABLES TRIPLEX FLUID END PARTS

6-1/2 X 8-1/2

NATIONAL

8-P-80

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded Urethane Pistons	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/2"	M-I64HB14/15	M-I64HB	M-BR-640	M-LL-640	M-UB-640

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
4-WEB	M-U5B-EH	M-6ADD-B4	M-5710-115	M-UDD-6AB	M-1700-6
4-WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B4	M-5710-115	M-UDD-6ABHT	M-1700-6
G2-FULL OPEN	M-1560995	M-1561450	M-1560701	M-1560587	M-1700-6G2
NV FULL OPEN	M-ND-6-V1	M-ND-6-S4	M-5710-115	M-ND-6-I	M-ND-6-PH
SW FULL OPEN	M-773-1	M-873-1	M-951	M-973	M-1700-6SW
ROUGHNECK	M-RN6-V1	M-RN6-S4	M-5710-115L	M-RN6-I	M-1700-6FO
MP-DOUBLE ANGEL	M-0500119	M-0512436	M-05147900	M-0515845	M-1700-6BA
MP-PLATE TYPE	M-0505038	M-0512436	M-05155760	M-0504890	M-1700-6BA

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	M-0256-40	MG-0272
4 1/2"	M-0256-44	MG-0274
5"	M-0256-50	MG-0276
5 1/2"	M-0256-54	MG-0278
6"	M-0256-60	MG-0280
6 1/4"	M-0256-62	MG-0268
6 1/2"	M-0256-64	MG-0268

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
M-61-0255	N/A

RODS

	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0259-A	M-0259-B	M-16-0259	M-24-0259	M-7403364

6-3/4 X 9-1/4

NATIONAL

9-P-100

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
MP-4 WEB	M-U5B-EH	M-6ADD-B4	M-5710-115	M-UDD-6AB	M-1700-6
MP-4 WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B4	M-5710-115	M-UDD-6ABHT	M-1700-6
MP-FULL OPEN	M-ND-6-V1	M-ND-6-S4	M-5710-115	M-ND-6-I	M-ND-6-PH
MP-G2	M-1560995	M-1561450	M-1560701	M-1560587	M-1700-6G2
MP-ROUGHNECK	M-RN6-V1	M-RN6-S4	M-5710-115L	M-RN6-I	M-1700-6FO
MP-SW FULL OPEN	M-773-1	M-873-1	M-951	M-973	M-1700-6SW
MP-DOUBLE ANGLE	M-0500119	M-0512436	M-05147900	M-0515845	M-1700-6BA
MP-PLATE TYPE	M-0505038	M-0512436	M-05155760	M-0504890	M-1700-6BA

Liners & Liner Packing

SIZES	LINER	LINER PACKING
	PART NO.	PART NO.
4"	N/A	N/A
4 1/2"	M-0255-44	MG-0274
5"	M-0255-50	MG-0265
5 1/2"	M-0255-54	MG-0263
6"	M-0255-60	MG-0261
6 1/4"	M-0255-62	MG-0283
6 1/2"	M-0255-64	MG-0768
6 3/4"	M-0255-66	MG-0768

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
PART NO.	PART NO.
M-61-0255	N/A

RODS

	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0260-A	M-0260-B	M-16-0260	M-24-0260	M-7403364



6-3/4 X 10

NATIONAL

10-P-130

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
MP-4 WEB	M-U5B-EH	M-6ADD-B4	M-5710-115	M-UDD-6AB	M-1700-6
MP-4 WEB HIGH TEMP	M-U5B-EHHT	M-6ADD-B4	M-5710-115	M-UDD-6ABHT	M-1700-6
MP-FULL OPEN	M-ND-6-VI	M-ND-6-S4	M-5710-115	M-ND-6-I	M-ND-6-PH
MP-G2	M-1560995	M-1561450	M-1560701	M-1560587	M-1700-6G2
MP-ROUGHNECK	M-RN6-VI	M-RN6-S4	M-5710-115L	M-RN6-I	M-1700-6FO
MP-SW FULL OPEN	M-773-1	M-873-1	M-951	M-973	M-1700-6SW
MP-DOUBLE ANGLE	M-0500119	M-0512436	M-05147900	M-0515845	M-1700-6BA
MP-PLATE TYPE	M-0505038	M-0512436	M-05155760	M-0504890	M-1700-6BA

Liners & Liner Packing

SIZES	LINER	LINER PACKING
4"	N/A	N/A
4 1/2"	M-0255-44	MG-0274
5"	M-0255-50	MG-0265
5 1/2"	M-0255-54	MG-0263
6"	M-0255-60	MG-0261
6 1/4"	M-0255-62	MG-0283
6 1/2"	M-0255-64	MG-0768
6 3/4"	M-0255-66	MG-0768

Gaskets

Valve Cover Gasket	Cylinder Head Gasket
M-61-0255	N/A

RODS

PART NO.	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
	M-0256-A	M-0256-B	M-16-0256	M-24-0256	M-7403364

7-1/2 X 12

NATIONAL

12-P-160

Piston Size	(RR) Replaceable Rubber	(RRK) Rubber Kits	(BR) Bonded Rubber	(LL) Long Life Bonded	(BN) Bull Nose Bonded Pistons
4"	M-I40HK14/15	M-I40HK	M-BR-400	M-LL-400	M-UB-400
4 1/2"	M-I44HK14/15	M-I44HK	M-BR-440	M-LL-440	M-UB-440
5"	M-I50HB14/15	M-I50HB	M-BR-500	M-LL-500	M-UB-500
5 1/2"	M-I54HB14/15	M-I54HB	M-BR-540	M-LL-540	M-UB-540
6"	M-I60HB14/15	M-I60HB	M-BR-600	M-LL-600	M-UB-600
6 1/2"	M-I64HL14/15	M-I64HL	M-BR-640	M-LL-640	M-UB-640
7"	M-I70HL14/15	M-I70HL	M-BR-700	M-LL-700	M-UB-700
7 1/2"	M-I74HL14/15	M-I70HL	M-BR-740	M-LL-740	M-UB-740

SERIES	VALVE	SEAT	SPRING	URETHANE INSERT	PULLER HEAD
4-WEB	M-U5C-EEF	M-7DD-B12	M-5710-115	M-UDD-7B	M-1700-7
4-WEB HIGH TEMP	M-U5C-EEFHT	M-7DD-B12	M-5710-115	M-UDD-7BHT	M-1700-7
G2-FULL OPEN	M-1560985	M-1561440	M-1560702	M-1560557	M-1700-7G2
NV FULL OPEN	M-ND-7-V1	M-ND-6-S12	M-5710-115L	M-ND-67-I	M-ND-7-PH
SW FULL OPEN	M-777-7	MK-877-8	M-951	M-977	M-1700-7SW
ROUGHNECK	M-RN7-V1	M-RN7-S12	M-5710-115L	M-RN7-I	M-1700-7FO
DOUBLE ANGLE	M-0500110	M-0514299	M-05139890	M-0514275	M-1700-7BA
PLATE TYPE	M-0505062	M-0514299	M-05139880	M-0504893	M-1700-7BA

Liners & Liner Packing		
SIZES	LINER	LINER PACKING
4"	M-0259-40	MG-0265
4 1/2"	M-0259-44	MG-0265
5"	M-0259-50	MG-0264
5 1/2"	M-0259-54	MG-0263
6"	M-0259-60	MG-0261
6 1/4"	M-0259-62	MG-0283
6 1/2"	M-0259-64	MG-0284
6 3/4"	M-0259-66	MG-0287
7"	M-0259-70	MG-0285
7 1/4"	M-0259-72	MG-0286
7 1/2"	M-0259-74	N/A

Gaskets	
Valve Cover Gasket	Cylinder Head Gasket
MG-0771	N/A

RODS					
PART NO.	PISTON ROD	SUB ROD	EXTENSION ROD CLAMP	ROD CLAMP	PISTON ROD NUT
PART NO.	M-0258-A	M-0258-B	M-16-0258	M-24-0258	M-7403364



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