

Gearbox Drill Head

Rotary gearbox drill head with wet swivel



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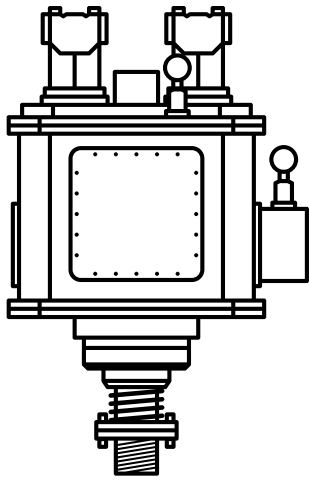
TMG Manufactures a line of 4-speed gearbox drill heads for geotechnical, water well, micropile and rotary drill rigs.

These rotary drilling heads can be adapted to almost all models of soil drilling machines, and feature a spring loaded floating head, 4 speeds of drilling, and a built in wet swivel system for drilling with mud or water.

From the small MS-200 head that has 1,253 rpm and 1,761 ft lbs (2,387 Nm) of torque, to the large ML-500, which reaches 964 rpm and 9,161 ft lbs (12,420 Nm) of torque, our 4-speed rotary heads have interchangeable couplings, for various sizes of drill rods, and an easy two hose hydraulic connection, and NO electronics. Each gearbox drill head comes with a universal adapter plate.

CHARACTERISTICS

- Top intake wet swivel for water or mud drilling
- Bolt flange adapter plate for rapid change drill rod adapters
- Spring loaded floating head for easy pipe threading
- 4 Speeds
- No electronics – fully mechanical gears
- Universal blank adapter plate



Rotary Drill Head Gearbox Options

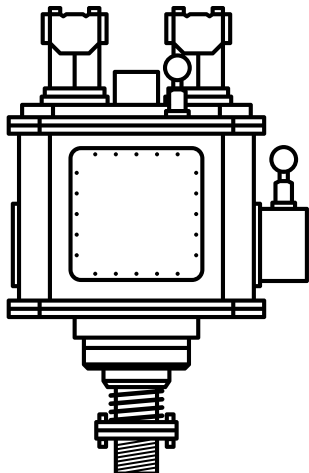
For 38 hp & 22 gpm, diesel engine

MS Series					ML Series				
MS-200					ML-200				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	1253	627	313	157	1253	627	157	78	
TORQUE - Lb ft	220	440	881	1761	220	440	1761	3523	
TORQUE - Nm	298	596	1194	2387	298	596	2387	4776	

MS-250					ML-250				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	1002	501	250	125	1002	501	125	63	
TORQUE - Lb ft	275	551	1101	2203	275	551	2203	4405	
TORQUE - Nm	372	747	1492	2986	372	747	2986	5972	

MS-400					ML-400				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	773	387	193	97	773	387	97	48	
TORQUE - Lb ft	357	714	1427	2855	357	714	2855	5710	
TORQUE - Nm	484	968	1934	3870	484	968	3870	7741	

MS-500 - Standard					ML-500				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	482	241	120	60	482	241	60	30	
TORQUE - Lb ft	573	1145	2290	4580	573	1145	4580	9161	
TORQUE - Nm	776	1552	3104	6209	776	1552	6209	12420	



Rotary Drill Head Gearbox Options

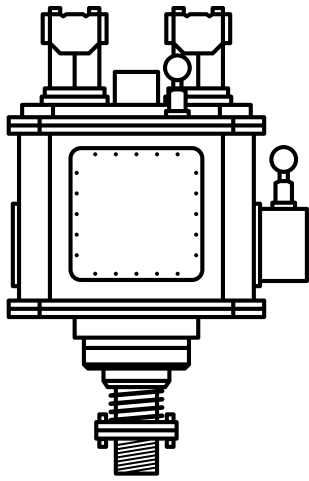
For 55 hp & 48 gpm, diesel engine

MS Series					ML Series				
MS-200					ML-200				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	1253	627	313	157	1253	627	157	78	
TORQUE - Lb ft	220	440	881	1761	220	440	1761	3523	
TORQUE - Nm	298	596	1194	2387	298	596	2387	4776	

MS-250					ML-250				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	1002	501	250	125	1002	501	125	63	
TORQUE - Lb ft	275	551	1101	2203	275	551	2203	4405	
TORQUE - Nm	372	747	1492	2986	372	747	2986	5972	

MS-400					ML-400				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	773	387	193	97	773	387	97	48	
TORQUE - Lb ft	357	714	1427	2855	357	714	2855	5710	
TORQUE - Nm	484	968	1934	3870	484	968	3870	7741	

MS-500 - Standard					ML-500				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	482	241	120	60	482	241	60	30	
TORQUE - Lb ft	573	1145	2290	4580	573	1145	4580	9161	
TORQUE - Nm	776	1552	3104	6209	776	1552	6209	12420	



Rotary Drill Head Gearbox Options

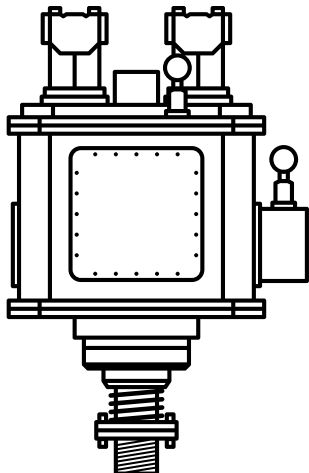
For 74 hp & 50 gpm, diesel engine

MS Series					ML Series				
MS-200					ML-200				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4		GEAR 1	GEAR 2	GEAR 3	GEAR 4
RPM - Max speed	1880	940	470	235		1880	940	235	117
TORQUE - Lb ft	220	440	881	1761		220	440	1761	3523
TORQUE - Nm	298	596	1194	2387		298	596	2387	4776

MS-250					ML-250				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4		GEAR 1	GEAR 2	GEAR 3	GEAR 4
RPM - Max speed	1503	751	376	188		1503	751	188	94
TORQUE - Lb ft	275	551	1101	2203		275	551	2203	4405
TORQUE - Nm	372	747	1492	2986		372	747	2986	5972

MS-400					ML-400				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4		GEAR 1	GEAR 2	GEAR 3	GEAR 4
RPM - Max speed	1160	580	290	145		1160	580	145	72
TORQUE - Lb ft	357	714	1427	2855		357	714	2855	5710
TORQUE - Nm	484	968	1934	3870		484	968	3870	7741

MS-500 - Standard					ML-500				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4		GEAR 1	GEAR 2	GEAR 3	GEAR 4
RPM - Max speed	723	361	181	90		723	361	90	45
TORQUE - Lb ft	573	1145	2290	4580		573	1145	4580	9161
TORQUE - Nm	776	1552	3104	6209		776	1552	6209	12420



Rotary Drill Head Gearbox Options

For 136 hp & 85 gpm, diesel engine

MS Series					ML Series				
MS-200					ML-200				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	1671	835	418	209	2506	835	209	104	
TORQUE - Lb ft	220	440	881	1761	220	440	1761	3523	
TORQUE - Nm	298	596	1194	2387	298	596	2387	4776	

MS-250					ML-250				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	2004	668	334	167	2004	668	167	83	
TORQUE - Lb ft	275	551	1101	2203	275	551	2203	4405	
TORQUE - Nm	372	747	1492	2986	372	747	2986	5972	

MS-400					ML-400				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	1546	515	258	129	1546	515	129	64	
TORQUE - Lb ft	357	714	1427	2855	357	714	2855	5710	
TORQUE - Nm	484	968	1934	3870	484	968	3870	7741	

MS-500 - Standard					ML-500				
	GEAR 1	GEAR 2	GEAR 3	GEAR 4	GEAR 1	GEAR 2	GEAR 3	GEAR 4	
RPM - Max speed	964	321	161	80	964	321	80	40	
TORQUE - Lb ft	573	1145	2290	4580	573	1145	4580	9161	
TORQUE - Nm	776	1552	3104	6209	776	1552	6209	12420	

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