

ASM 1000

Technical Specifications Catalog



TECHNICAL SPECIFICATIONS

Outside Diameter	1295	mm
Overall Length with Cutting Wheel	5305	mm
Max. Torque Left / Right	150	kNm
Breakout Torque	180	kNm
Revolution	8.5	rpm
Number of Drive Motors	1	No.
Number of Steering Cylinders	3	No.
Steering Stroke	65	mm
Diameter of Steering Cylinder Piston / Rod	140/90	mm
Steering Capacity per Cylinder Extend / Retract	70/45	kN
Max. Pressure of Steering Cylinder	400	Bar
Steering Angle Up / down	5°	degree
Steering Angle Diagonal	5°	degree
Steering Angle Left / right	4°	degree
Anti-clogging Jet Wash	Yes	3 Outlet in Chamber
Operating Pressure	3	Bar

HYDRAULIC AND BYPASS SYSTEM

Power of Main Pump	110	Kw
Power of Push Pump	55	Kw
Power of Steering & Cooling Pump	15	Kw
Hydraulic Pressure for Drive Unit	280	Bar
Diameter Feed / Slurry lines	125	mm
Diameter Bypass	125	mm
Type & No. of Slurry Actuators	Hydraulic 2	Nos.
Max. Pressure Bypass Cylinder	200	Bar

LASER TARGET

Dimensions Active Surface of Laser Target	146 * 88	mm
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MACHINE DIMENSIONS

Diameter	1325	mm
Length without Cutting Wheel	2837	mm
Length with Cutting Wheel	3216	mm
Thread	4 * M30	
Weight	~ 6530	Kgs

CONTROL CABIN SPECIFICATIONS

Control Cabin Diameter	20'	Standard Container
Control System	Siemenc S7	1500
Total Power	370	Kw
Power of Invertors	3 * 55	Kw
Attachments	Air Compressor	Air Conditioner
Launch Shaft Assests	Shaft Box	Switch Boxes
Cabin Weight	~ 12000	Kgs

JACKING FRAME SPECIFICATIONS

Thrust Capacity	5200	KN
Working Pressure	400	Bar
No. of Thrust Cylinder	4	Nos.
Diameter of Thrust Cylinder	220 / 160	mm
Leveling System	Threated Bolt	4 Nos.
Diameter	4180 * 2880 * 2190	mm
Total Weight	1520	kgs

MANUFACTURING AND ASSEMBLY PROCESS







