



[ATALAY 76-1000 WIRE-LINE SONDAJ MAKİNESİ]  
[ATALAY 76-1000 WIRE-LINE EXPLORATION DRILL RIGS]  
TEKNİK DÖKÜMAN / TECHNICAL DOCUMENTATION



**ATALAY**

Sondaj-Enjeksiyon  
Makine İmalat İnşaat Madencilik Mühendislik



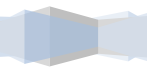
# Atalay 76-1000 Wire-Line Sondaj Makinesi / Exploration Drill Rig

## -TEKNİK ÖZELLİKLER - TECHNICAL SPECIFICATIONS -

DELĞİ KAPASİTESİ / DRILLING CAPACITY	
Çap / Diameter	Derinlik / Depth
B WIRE-LINE	1500 m
N WIRE-LINE	1000 m
H WIRE-LINE	700 m
P WIRE-LINE	510 m

GÜÇ ÜNİTESİ / ENGINE	
Motor / Engine	VOLVO TAD 620 VE Diesel Engine
Güç / Power at 2200 Rpm	208 Hp
Emisyon sertifikası / Emission certificate	Tier II

KULE / MAST	
Kule / Mast	<b>Ağır hizmet tipi çelik</b> <i>Maden by heavy-duty steel.</i> Besleme aralığı 3,0 m / <i>Feed stroke: 3,0 m</i>
Askı gücü / <i>Pull-back force</i>	15.000 kg
Baskı gücü / <i>Push force</i>	9.800 kg
Maks. Kule dayanma gücü <i>Mast Resistance Force (Max)</i>	100.000 kg
Kule Hareket Kabiliyeti <i>Mast movement capability</i>	Kule hidrolik piston ile yatırılıp kaldırılabilir, açılı sondajlarda da(90° ve 0°)payandalarla sabitlenebilir. <i>The mast is rised and laid down with aim of hydraulic pistons. Can drill between angles of 90° - 0°.</i>
Alt Çene Merkezleyicisine sahiptir. / <i>The drill rig has lower centriliser.</i>	
Teleskopik kule (Opsiyonel) <i>Hydraulic movement capability of 360°. (Optional)</i>	
Kuleye montajlı 8.000 kg tutma kapasiteli hidrolik alt fren çenesi mevcuttur. <i>There is a hydraulic clamp which is mounted on the mast with holding capacity of 8.000 kg.</i>	
6m tij çekme kapasitesi (Opsiyonel)/ <i>Pulling 6m lengths drill rods capability(Optional)</i>	



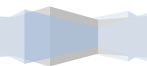


WIRELINE VİNCİ / WIRELINE HOIST	
Capacity	1000 m, Q8 mm Halat
Drum speed	119 m/min
Breakaway weight (max.)	383 m/min
Drum capacity (empty – full)	990kg-250kg



HİDROLİK MOTOR VE POMPALAR /HYDRAULIC MOTORS AND PUMPS		
Hid. Motorlar: Rexroth, Parker ve ya Eaton <i>Hyd.Engines : Rexroth, Parker or Eaton Wickers</i>		
Hid. Pompalar: Kawasaki üçlü tandem tip olup L/C' dir <i>Hyd. Pumps: Kawasaki triple tandem type, with piston and L/C.</i>		
	DEBİ / FLOW RATE	BASINÇ / PRESSURE
1. Pump:	112 lt/min	260 bar
2. Pump:	45 lt/min	200 bar
3. Pump:	28 lt/min	175 bar

HİDROLİK VALFLER VE SİSTEM / HYDRAULIC VALVES AND INSTALLATION	
Hidrolik Sistem / <i>Hydraulic system</i>	Açık / <i>Open</i>
Rotary Sistem / <i>Rotary System</i>	Açık / <i>Open</i>
Hidrolik Tank Filtresi / <i>Hydraulic tank filters</i>	10 micron
Hidrolik Depo Kapasitesi / <i>Hydraulic tank capacity</i>	180 lt
Isı ve seviye göstergeleri mevcuttur./ <i>Thermal and level gauges.</i>	
Tüm hidrolik liftler uygun çaptadır./ <i>All lifts are choosen in suitable diameters.</i>	
Hidrolik sistem hava ile cebri olarak soğutulur./ <i>Air cooling system.</i>	
Oransal hidrolik kumanda kullanılmaktadır./ <i>Modulating hydraulic controls.</i>	





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MORSET / ROTATION UNIT		
	Rpm	Tork(Nm)
1.Vites / Gear	120-195	5320-3250
2.Vites / Gear	245-400	2650-1621
3.Vites / Gear	439-714	1485-905
4.Vites / Gear	770-1050	850-525



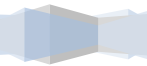
ROTATION  
UNIT



SLURRY PUMP

ATALAY 70-135 TRIPLEX ÇAMUR POMPASI (Opsiyonel) ATALAY 70-135 SLURRY PUMP (Optional)	
Tipi / Type	Hidrolik tahrikli / Hydraulic powered
Maks. Debi / Max. Flow rate	135 lt/min
Maks. basınç / Max. Pressure	70 Bar
Motor / Engine	Hidrolik motor / Hyd. engine
Taşıma / Transportation	Şasi üstüne monteli / On Chasis

ANA VİNÇ / MAIN HOIST	
Vinc orjinal Amerikan Braden markadır. The hoist is Braden from USA	
Kapasite / Capacity	9.000 kg
Halat çapı / Wire diameter	16 mm
Makara hızı / Drum Speed	39 m/dk
Maks. yük (halat) / Max. load (wire)	15.100 kg



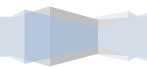


### GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

1. **Ağırlık / Weight:** 9.500 kg
2. **Delgi Kapasitesi / Drilling Capacity:** N Wire-line: 1000 m  
H Wire-line: 700 m  
P Wire-line: 510 m
3. 203 Hp Volvo Dizel Motor / 203 Hp TTF Volvo diesel Engine
4. Hidrolik tahrikli 135 lt/dk Tripleks çamur pompası / *Hydraulic powered triplex slurry pump (135 lt/dk -70 bar)*
5. Hidrolik komponentler / *Hydraulic components:* KAWASAKI, REXROTH, EATON WICKERS, BREVINI
6. 2 adet hidrolik lift ile beslenen, istenilen çapa göre değiştirilebilen alt çene pabuçları / *Lower clamps; feeded by two hydraulic pistons, replaceable with desired diameter.*
7. Alt çene merkezleyici / *Lower rod centriliser.*
8. Ana Vinç 9.000 kg / *Main hoist 9.000 kg.*
9. Wire-line vinci / *Wire-line hoist.*
10. Hidrolik kule kaydırma (aşağı-yukarı) / *Hydraulic mast sliding (up-down).*
11. Açılı sondaj yapabilme kabiliyeti (0-45°) / *Inclined drilling capability (0-45°).*
12. Hidrolik soğutucu su soğutmalı eşanjör / *Water cooling for hydraulic system*
13. Hidrolik Telescopic kule / *Hydraulic telescopic mast*

### OPTIONAL

1. Hidrolik olarak morset yana kaydırma / *Hydraulic rotation unit sliding to sideway for wire-line system.*
2. Çelik palet ve 4 adet hidrolik denge ayağı / *Steel undercarriage and 4 pcs leveler jacks.*
3. 16 Hp dizel motorlu kızaklı tripleks çamu pompası (135 lt/dk – 70 bar)  
*16 Hp Diesel engine powered slurry pump (135 lt/min -70 bar)*
4. Kamyon üzerine montaj / *Mounting on truck.*
5. Çift alt çene / *Double lower clamps.*
6. Kule aydınlatma / *Lighting,*
7. İstenilen dilde hazırlanan talimat etiketleri / *Warning labels in desired language.*
8. Makinenin kamyonu bindirilip indirilmesi için hidrolik ayaklar / *Hydraulic pistons for rising of drill rig to load on truck.*
9. Kule merdiven ve balkon / *Mast ladder and balcony.*







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