

# Rock Drill U1838ME

High speed rock drill with stable performance  
Hole range 38-64mm



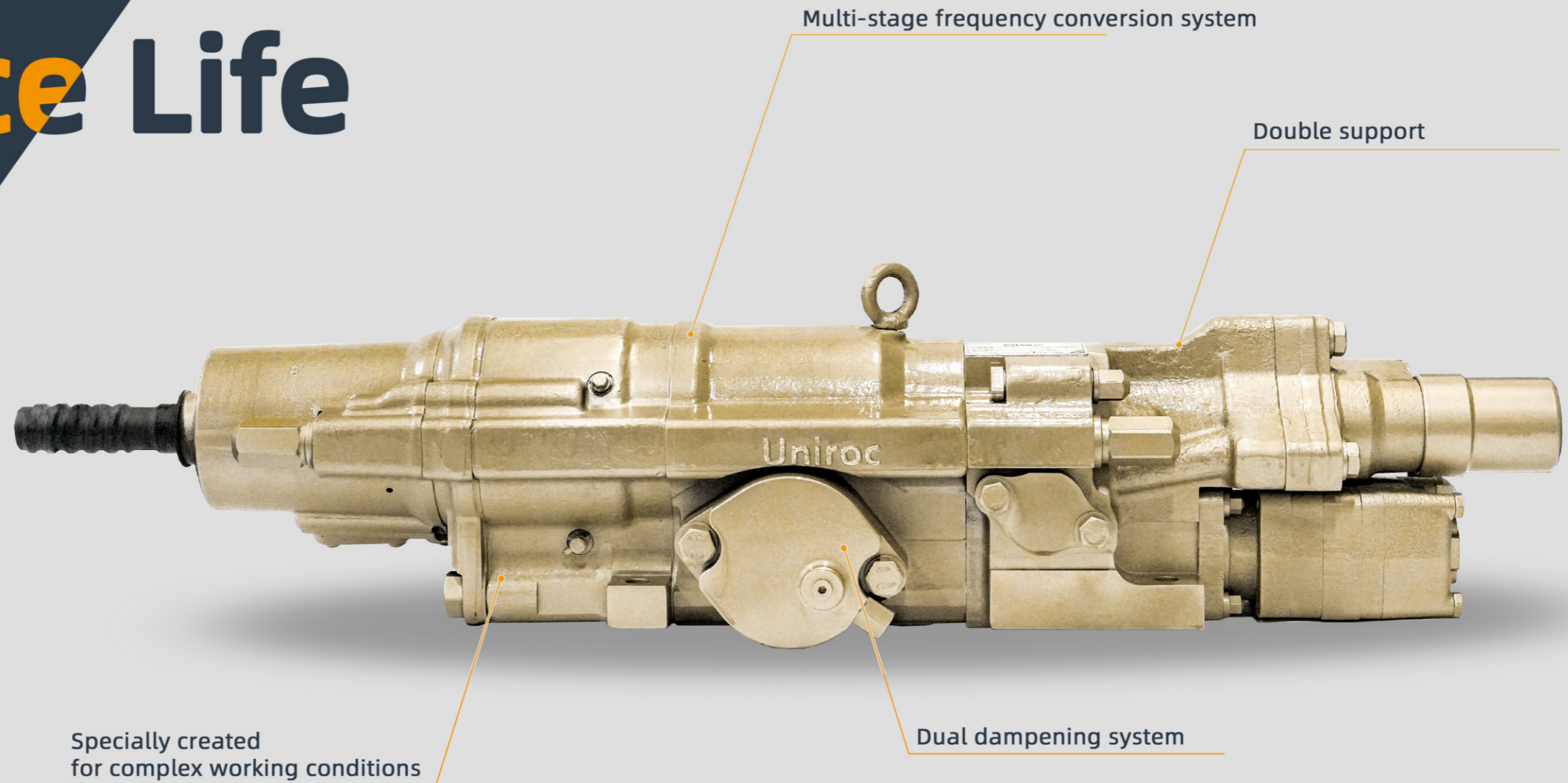
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[unirocgroup.com](http://unirocgroup.com)  
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# Longer Service Life



The design of heavy-duty front head is optimal for face drilling.



Seal kit, overhaul kit and repair set are available for maintenance ease, and to ensure extended service life of rock drills.



Service solutions ensure that rock drill performs at its best throughout its life cycle.

## 🔄 Main features:

- 1#**  
Efficient drilling can minimize the risk of jamming.
- 2#**  
Under high-frequency impact conditions, the impact piston still operates stably.
- 3#**  
Equipped with all levels of frequency conversion system, which can meet the working requirements of different surrounding rock grades.

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# Technical Specifications

Dimensions And Weight	
Weight	179kg
Length without shank adapter	1008mm
Width including connectors	288mm
Height	223mm
Height over drill center	85.5mm

Impact Ratings	
Impact power (maximum)	18kW
Input power to rock drill (maximum)	31kW
Hydraulic pressure (maximum)	230Bar
Flow rate	75-92L/min
Impact frequency	60Hz

Rotation Motors			
Type	05 (100cc)	06 (125cc)	07 (160cc)
Rotation range	0-340rpm	0-275rpm	0-215rpm
Torque (maximum)	640Nm	820Nm	1000Nm
Working pressure (maximum)	210bar	210bar	210bar
Oil consumption	75L/min	75L/min	75L/min

Flushing Flow And Pressure	
Flushing water pressure (maximum)	25bar
Lubricating air consumption at 2 bar	5L/s
Flushing water consumption*	40-120L/min

\* Flushing water consumption depends strongly upon hole diameter, bit type, drill rod size and rock hardness.

Drill		
Drill Thread	Drill Diameter	Drill Numbers
R32	43	111169
R32	45	111128
R32	48	111112
R32	51	110515
R32	57	110448
R32	76	111170
R32	64	111051
R32	89	110800
T38	76	110712
T38	64	110199
T38	76	110203
T38	89	110290
T38	64	110434
T38	76	110793
T38	89	110357

Shank	
Shank Model	Shank Numbers
HM38	450889
HM38	450550
HM38	450551
HM45	450713
HM51	450539
R32	450614
R32	450631
R38	450469
T38	451004

Service Kits	
Seal kit	Z1301090101000
Repair Set	Z1301090000000
Overhaul Kit	Z1301090100000

Z1301090101000 Seal Kit		
Description	Part Numbers	Quantity
O-ring set	Z1301090101010	1
Seal kit	Z1301090101020	1
Radial lip seal	20311000150	1
Plug	20307001886	1
Gasket	20601000451	1
Grease Nipple	20601000523	1
Radial lip seal	20311000162	1
Seal	20311000331	1
Seal kit	20311000414	2
Seal washer	20311000602	2
Seal washer	20311000091	2
Seal kit	20311000648	2
Gasket	20601000474	1
Seal	20311000137	1
Cup seal	20311000032	2
Cup seal	20311000579	1
O-ring	20311000842	1
Seal washer	20311000092	1
O-ring	20311000843	2
O-ring	20311000841	1
O-ring	20311000439	1

Z1301090000000 Repair Set		
Description	Part Numbers	Quantity
Overhaul KIT	Z1301090100000	1
Rot.ch.bushing	20601000444	1
Bushing	20601000443	1
Driver	20601000441	1
Damping piston	20601000453	1
Bushing	20601000456	1
Piston guide	20601000461	1
Piston guide	20601000463	1
Piston	20601000552	1
Guide	20601000434	1
Stop ring	20601000436	1

Z1301090100000 Overhaul Kit		
Description	Part Numbers	Quantity
Seal kit	Z1301090101000	1
Diaphragm	20306000337	2
Valve	20307001782	2
Diaphragm	20311000860	1
Circlip	20305000615	1
Roller bearing	20306000283	1
Roller bearing	20306000284	1
Circlip	20305000616	1
Needle bearing	20306000348	1
Needle bearing	20110000498	1
Lock ring	20311000376	1
Circlip	20311000851	1
Nut	20601000475	4
Bushing	20601000443	1
Screw,hex head	30101030291	3
Screw	31703000303	4
Side bolt	20601000479	1
Side bolt	20601000478	2
Dome nut	20601000476	4
Washer	20601000477	4
Gasket	20601000474	1
Grease nipple	20601000523	1
Plug	20307001886	1
Lock washer	20601000072	4
Screw,hex head	30401020122	4
Screw	30401030010	2
Screw,hex head	30101030149	4
Label set	200600000077	1
Label set	200600000078	1