



**GEOMECH AFRICA**  
Proudly **GEO GROUP**



**GEOMECHANICS**  
Proudly **GEO GROUP**

# FACT SHEET

**Longyear "38"**

## **GEOTECHNICAL AND EXPLORATION DRILLING RIG**

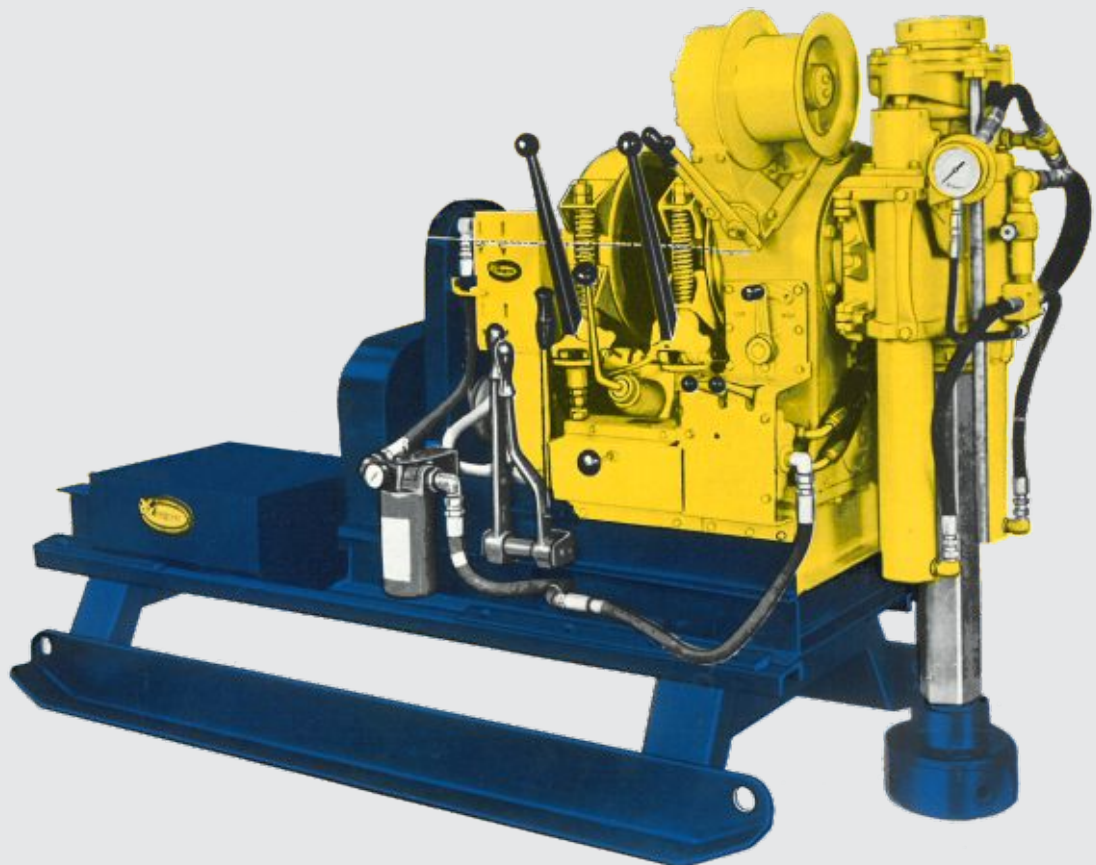
**GEOMECH AFRICA**  
**LEVEL 1 - B-BBEE**

[www.geogroup.co.za](http://www.geogroup.co.za)



## About The Longyear "38" Drill Rig

The Longyear "38" offers more capacity than any other drill in its class. From engine to chuck, every component is engineered for reliability and to form a single integrated system. Generous horsepower, extra hoist clutching and braking power, heavy-duty power train, rigid head and drive rod. All these are matched and balanced to enable the "38" to efficiently handle any job within rated capacity.



### CAPACITIES

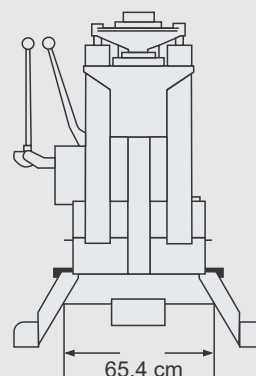
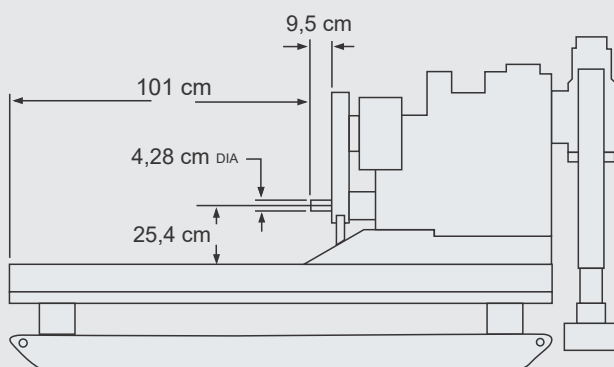
Drill Rod	PQ	HQ	NQ	BQ
Meters	210	315	528	671



# LONGYEAR "38"

## Technical Specifications

DIESEL ENGINE	
<b>MODEL</b> 3-INCH HYDRAULIC HEAD	26074
<b>TRANSMISSION</b> TYPE / SPEEDS	Sliding gear / 4 forward, 1 reverse
<b>HOIST</b> TYPE DRUM DIMENSIONS DRUM CAPACITY (5/16" CABLE) BARE DRUM LINE SPEEDS	Planetary reduction gear 241 mm diameter, 140 mm long 40m 22, 46, 85, 143 m per minute
<b>RANGE SELECTOR</b> TYPE RANGES NUMBER OF BIT SPEEDS	Sliding Gear Low, high, neutral 8 forward, 2 reverse
<b>HYDRAULIC PUMP</b> TYPE VOLUME MAXIMUM PRESSURE	Variable volume 0-45 liters per minute 70 kg per square cm
<b>3-INCH HYDRAULIC HEAD</b> DRIVE ROD I.D HYDRAULIC CYLINDER I.D FEED LENGTH ANGLE RANGE	Twin-cylinder type 76 mm 88,9 mm 610 mm 360°
<b>OVERALL DIMENSIONS</b>	1,07 m 2,40 m 1,45 m
<b>APPROXIMATE WEIGHT</b> 3-INCH HYDRAULIC HEAD: STEEL TRACKS	6,5 Tons
<b>CUBIC DISPLACEMENT</b> CRATED FOR EXPORT	4,5 m <sup>3</sup>



UNIT DIMENSIONS



**GEOMECH AFRICA**  
Proudly **GEO GROUP**



**GEOMECHANICS**  
Proudly **GEO GROUP**

# LONGYEAR "38"



## The GeoGroup

GeoGroup comprises of a group of companies, each a leader in its own field, providing a range of services to the geotechnical, civil, mining and energy industries.

### CONTACTS

#### GeoGroup Head Office

Plot 28, central road  
Sunrella  
Lanseria, Gauteng  
South Africa  
info@geogroup.co.za  
0861 436 632  
+27 (0)11 966 7760  
Fax: +27 (0)86 663 3896

#### Eastern Cape Branch

East London  
Branch Manager:  
Barry Kruger  
Barryk@geogroup.co.za  
+27 (0)83 616 0399

#### Western Cape Branch

19A Zonnekus Rd  
Morning Star  
Cape Town  
Branch Manager:  
Brett Mannix  
Brettm@geogroup.co.za  
+27 (0)79 519 2629

#### KwaZulu Natal Branch

Lynnfield Park  
Ashburton  
Branch Manager:  
Dries de Beer  
Driesd@geogroup.co.za  
+27 (0)82 578 0023

#### Uganda Branch

Plot no. 8  
Mungonya Rise  
Naguru, Kampala, Uganda  
Branch Manager:  
Geoffrey Okello  
Geoffreyo@geogroup.co.za  
+256 776 959 454

## About Geomech Africa

Geomech Africa (Pty) Ltd is an industry leader in the geotechnical investigations in Southern Africa. Certified as a **Level 1 B-BBEE** contributor. Providing drilling and testing services to the minerals exploration market, as well as geotechnical and civil industries in and around Southern Africa and Africa.

Geomechanics has long-term policies of developing operational/maintenance staff and upgrading equipment, to ensure that geotechnical investigations conducted for our clients are accurate, timely, cost effective and easily interpreted.

GeoGroup Head Office



## Contact Us

**Neil Mackintosh**  
+27 83 229 4143  
NeilM@geogroup.co.za

**0861 436 632**

info@geogroup.co.za  
www.geomechanics.co.za