

NLC CO., LTD

NL-26



## Prestigious Versatile Rotary Spindle Type Drill

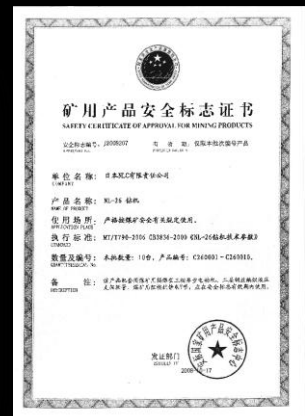
**NL-26** is a small-sized and light drilling machine equipped with Hydraulic Chuck.

This drill can be disassembled to be easily carried to mountainous sites.

### Features

1. **Compact Hydraulic Chuck Assy** is equipped as a standard.
2. **Safety** – the rotation portions such as Cone Pulley and Drive Rod are equipped with Safety Guards
3. **Light weight** – some parts like Main Gear Case, Transmission & Clutch Housing, Swivel Frame and Cross Head are of aluminum.
4. Low speed to higher speed available due to **6-steps gearing**
5. When disassembling, there is **no oil leakage** from the Gear Case, and neither the other the other portions.
6. **Maximum disassembling weight is under 60 kgs** – except power unit.

Electric Motor drive model can be installed.



NL-26 is certified by the Chinese Government as a rescue tool at coal mines in China.



# NL-26 Technical Specification

## Deisel Engine Type

### Drill Type

Mechanical Spindle Type
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### Drilling Depth Guidelines

AQ	200 m
BQ	150 m
NQ	100 m

### Prime Mover

Standard Unit	Yanmar TF90V-E Diesel Engine (water-cooled)
Displacement	493 cc
Power at 2,200 rpm	8.6 PS
Weight & Dimension (L x W x H)	97 kg & 750 x 340 x 500 mm (approx.)
Fuel Tank Capacity	10.6 L
Enviromental Design	Low-Fuel-Comsumption & Low-Noise

### Drill Head

Maximum Rod Diameter	47 mm
Mechanical Transmission	NLC 3 SPEED & Low / High
Ratio	1st 5.50 : 1
	2nd 4.00 : 1
	3rd 2.39 : 1
Final Drive	Gear Drive (not Roller Chain)
Ratio	1.241 : 1

### Torque & RPM Ratings at 1,400 rpm (Input Shaft Revolution)

	Speed (RPM)		Torque (Nm)	
	Low	High	Low	High
1st Gear	83	128	750.0	490.0
2nd Gear	167	256	370.0	245.0
3rd Gear	340	522	185.0	120.0

### Hydraulic System

Primary Pump	Vane Type (Variable Out Put)
Max. Flow	20 L/min
Max. Pressure	6.86 Mpa
Hydraulic Tank Capacity	

### Feed System

Feed Stroke	515 mm
Pull Capacity	38.5 KN
Thrust Capacity	30.9 KN
Drilling Angle	360°

### Main Hoist

Line Speed	14 - 25 - 48 m/min (Bare Drum)
Wire	30 m & 9 mm Dia.
Hoisting Capacity	1,000 Kgf

### Dimension & Weight ( Main Body )

Dimensions ( L x W x H )	1,360 x 750 x 1,405 mm
Weight ( Less Power )	450 kg
Max Disassembling Weight ( w/o Power Unit )	60 kg

### Others

#### **Certified as a Resucue Tool at coal mine by Chinese Goverment**

#### Options :

#### Skid Mounted Wireline Hoist :

- Drum Dia. & Length : 114 & 244 mm
- Hoisting Capacity : 350 mm with 5 mm wire
- Line Speed : 57m / min
- Power Required : 4 PS

Manual Chuck, Mud Pump, Mud Mixer, Trailer Mount, Emergency Stop Button

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Easy Maintenance  
High Fuel Efficiency

### Drilling Depth Guidelines

Drilling Capacity have been calculated, based on field experiences, and may be reasonably expected. Ratings are based on vertical, straight, clean down hole using a 58,800N hoist (single line pull) . Actual drilling capacity will depend on in-hole tools, conditions, drilling techniques and equipment used.