



**Connection requirements**

1. Power line Three-color power line and yellow-green earthing line Temperature control line 110°C thermistor two-piece fine wires
2. Cooling effluent
3. Tool changing/dust removal pressure 0.5MPa
4. Encoder outgoing line socket 5VDC
5. Air seal pressure 0.2-0.3 MPa
6. Cutting fluid intake
7. Tool discharge and air feed pressure 0.70MPa
8. Cooling water feed Pump lift 12m (avoid wrong connection)
9. Proximity switch: for tool discharge and hanging NPN (normally open) N. O.
10. Handle of the lifting sling

**Connection description**

1. Three-color power line connected with U, V and W phases of frequency converter, and the yellow-green wire connected with the earth wire
- Temperature control line connected with the temperature control protector
2. Rapid inserted connecting pipe for the cooling effluent is 12/10 hoses
3. Rapid inserted connecting pipe for the cooling effluent is 8/6 hoses
4. Connect wires according to the instruction. Four groups of positive and negative electrodes are not allowed to be connected incorrectly; otherwise, the detector head will be damaged.
5. Rapid inserted connecting pipe for the air seal is 8/6 hoses
6. The quick coupling pipe of cutting fluid intake is 12/10 hose.
7. Rapid inserted connecting pipe for the tool discharge and air feed is 8/6 hoses
8. Rapid inserted connecting pipe for the cooling influent is 12/10 hoses
9. Brown wire of the proximity switch connected with +24VDC Blue wire connected with 0VDC
- One terminal of the signal load connected with +24VDC/the other terminal connected with the black wire
10. Installation and use of the handle of the lifting sling

Model	GDL 170-40-10Z/14
Voltage	380 V
Power	14 kw
Current	28.0 A
Frequency	334 Hz
Rotating speed	10000 rpm
Pole number	4P
Phase number	3
Bearing	2×SM6014C P4 Steel ball 2×7010C P4 Steel ball The dedicated grease for the imported high-speed bearing
Rotating direction	Rotate anticlockwise from the shaft extension end
Tool holder	BT 40 with key (Parfaite is recommended)
Blind rivet	BT40-45° (Parfaite is recommended)
Weight	75 KG

**Special warning:**

1. Improper clamped position of electric main shaft will easily result in the damage of the bearing!
2. The main shaft shall entirely stop before the tool changing. The manual tool changing button shall not act during the rotation of the main shaft; otherwise it will easily result in the seizure of the shaft!
3. The compressed air shall be clean and dry. And the filter accuracy is 0.1um! The air seal is normally open. It is recommended to use the two-level filtration, with the filtration accuracy of 0.5um/0.1um respectively. The compressed air filter shall be installed with the self-discharge device.
4. Suzhou Secona encoder, gear GR05-128A01, miniature measuring head G505T, TTL A/B/Z ppr. square wave output signal. Consulting call: 139-14017809 (Manager Cai)

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Outline diagram of the flange

GDL170-40-10Z/14