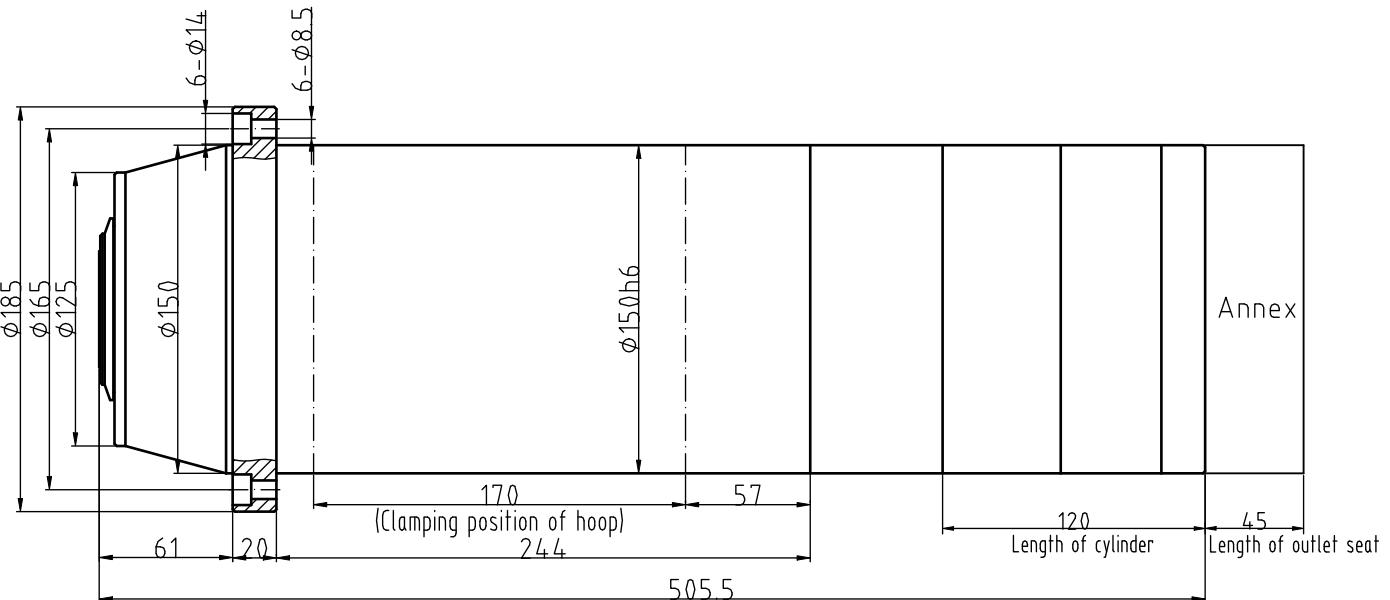


#### Connection requirement

- 1:Power line Tricolor power wire and yellow-green ground wire
- 2:Temperature control line Two thin wires of 110°C thermistor
- 3:Cooling water outlet
- 4:Pressure for tool changing and de-dusting 0.4MPa
- 5:Pressure of air sealing 0.2MPa
- 6:Inlet air pressure for tool-removing 0.70MPa
- 7:Cooling water inlet delivery of water pump head 12m(Don't connect wrong!)
- 8:Proximity switch Two NPN(normally open) N.O. for tool-removing and tool-mounting
- 9:Hanging ring

#### Special warning

1. It shall not change tools before complete stop of spindle.The manual tool-changing button shall be unavailable while spindle is rotating;otherwise it would cause the block of spindle!
2. The compressed air shall be clean and dry with filtering precision of  $0.1 \mu\text{m}$ ! Air sealing shall be normally open.It is recommended to apply two levels of filtering with precisions of  $0.5\mu\text{m}/0.1\mu\text{m}$ , and the filter shall be equipped with automatic drainage.



#### Connection Description

- 1:Three colored wires are connected with U, V, W phases/ Yellow-green wire is connected with earth
- 2:Temperature controlled line is connected externally with temperature control protector
- 3:The quick plug of cooling water outlet is 8/6 hose
- 4:The quick plug for tool-changing and dust-removing is 6/4 hose
- 5:The quick plug for air-sealing is 6/4 hose
- 6:The quick plug for tool-removing is 6/4 hose
- 7:The quick plug of cooling water inlet is 8/6 hose
- 8:Connect brown wire of proximity switch with +24 VDC, and blue line connected to 0VDC
- 9:Signal loading end connected to +24VDC/the other end connected to black line
- 10:Hanging ring applied for mounting

Parameters of PTC single-core thermistor	
DC Power Supply	Maximum DC25V/100mA
-20~25°C	$\leq 300\Omega$
$\leq 90^\circ\text{C}$	$\leq 750\Omega$
105°C	$\leq 1650\Omega$
110°C	Rated function temperature
115°C	$\geq 3990\Omega$
$\geq 125^\circ\text{C}$	$\geq 12K\Omega$
$\leq 160^\circ\text{C}$	Maximum storage temperature

Model GDL150-40-12Z/7.5 Rotation Direction Counterclockwise viewed from the end of spindle extension  
 Voltage 380V Power 7.5kw  
 Current 16.5A Frequency 400Hz  
 Tool Holder BT40 Without keys (Parfaite recommended)  
 Rotation 12000rpm Pop-rivet BT40-45° (Parfaite recommended)  
 Number of Pole 4P Weight 47KG  
 Phase 3  
 Bearing 2xSM6011C P4/Steel ball  
 2x7008C P4/Steel ball  
 Apply imported grease specially for high-speed bearing

Marks	Number of places	Zoning	Modified document number	Signature	Date				Profile Drawing of flange
Designed by						Phase mark	Weight	Scale	GDL150-40-12Z/7.5
Reviewed by									
Processed by			Approved by			Total page(s)	Page		