

# ZRT Series 3-Position Pneumatic Index

## 3-Position Indexing via Air Pressure

### Key Features

- Light-weight and compact body
- Position is controllable via combination of 2 valves
- High accuracy and rigidity



ZRT-16A

### How To Order

Standard ----- ZRT - 16A - 90

Option ----- ZRT - **16A** - **90** - **ET3S2** ----- 90° swivel type ZRT-16A with 2 of ET3 non-contact reed switches

Size	
Symbol	
16A	

Angle	
Symbol	Specification
90	90°
120	120°

Sensor, Quantity			
Symbol	Name	Symbol	Name
ET3	Non-Contact 3-Lead	S1	1 Sensor
ET3L	Non-Contact 3-Lead	S2	2 Sensors
ET2	Non-Contact 2-Lead	S3	3 Sensors
ET2L	Non-Contact 2-Lead		

For sensor detail ▶ 277p

### Specification

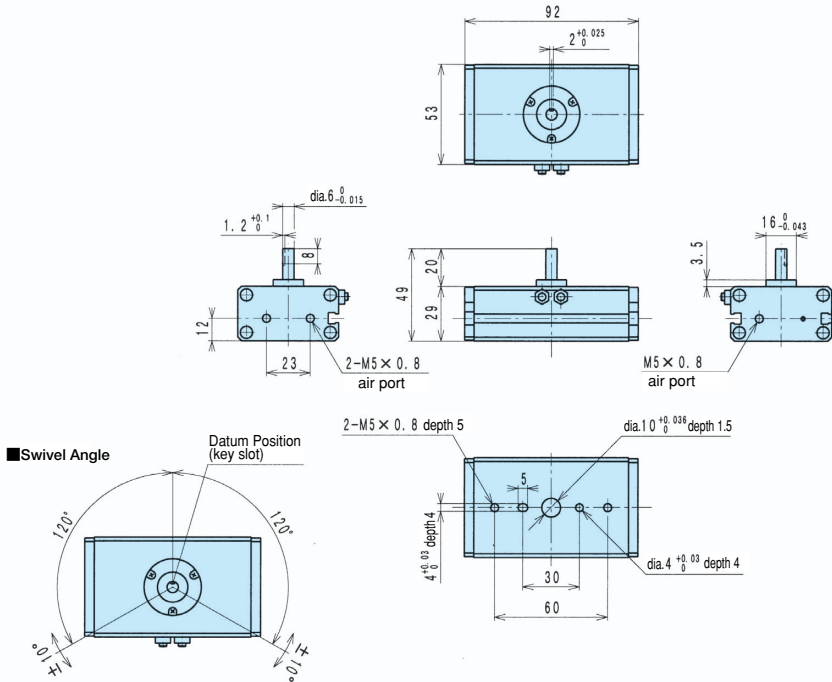
Model	ZRT-16A	
Working Pressure	Pneumatic: 0.3 to 0.7MPa	
Lubrication	Not Required or Turbine Oil Class 1 (ISOVG32)	
Ambient Temperature (°C)	5 to 60	
Swivel Angle	120°, 240° (equally divided by 3)	
Swivel Torque (N·m)	0.27 (at 0.5MPa)	
Withstand Load	Thrust (N)	29.2
	Radial (N)	14.6
Moment Capacity (N·m)	0.175	
Kinetic Energy Capacity (J)	0.004	
Repeatability (minutes)	±1	
Swivel Speed (sec/120°)	0.2 to 2	
Weight (kg)	0.4	
Option	Swivel Confirmation Sensor (ET3·ET3L·ET2·ET2L)	

For CAD data, please go to **▶518P**

## Layout Drawing

**ZRT-16A** (Swivel Torque 0.27N·m)

ZRT-16A Standard



Moion Control Method

