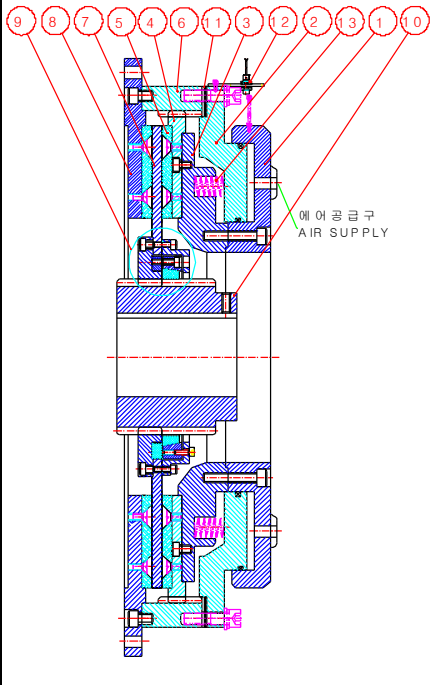


SAFETY AIR BRAKE MANUAL - (Model : HABB-type)

COMPOSITION



- | | |
|--------------------|--------------------------------------|
| 7 Rotation Disc | 13 Brake Spring |
| 6 Internal Gearing | 12 Proximity Switch |
| 5 Lining | 11 Gap Adjusting Washer |
| 4 External Gear | 10 Hub Gear |
| 3 Pressure Plate | 9 Internal Auto-gap(Power-lock) Unit |
| 2 Piston | 8 Flange |
| 1 Cylinder | |

M O D E L

HABB-type (Patent No. 제0357784호)

Features

1. Safety Air Brake. Operation halted by Brake Spring as air pressure is shut down or lowered. In reverse, it is released from brake with the air supply.
2. It maintains constant gap despite lining wear because the brake is equipped with Auto-gap & Power-Lock in Rotation Disk. Not interfered with friction at all during idling.
3. In case of blackout or emergency, power from solenoid valve is shut down and brake is operated. Suitable for safe usage.

Operation Principles

1. Quick Braking by Brake Spring as the air pressure is supplied from Air Supply Tube.
2. Pressure Plate (Plan3) coupled with Brake Spring (Plan13) generates braking power by contacting with Rotation Disc (Plan7) and both sides of Lining (Plan5). With the air supply in Air Supply Tube (Minimum Pneumatic Pressure : 4.6kgf/Cm²), Brake Spring is compressed and released from the brake as a gap is formed between Rotation Disk and both sides of Lining. As a result, Rotating Chain and Rotation Disk are also released.

Instructions

1. Make sure to examine the brake more than once a week by operating Emergency Shutdown Switch.(Use Power Shutdown Switch for normal operation)
2. After 2~3 years from installation, make sure to disassemble the brake to cleanse lining dust and reassemble to use. (refer to the Check Sheet)
3. Examine the Air Supply Tube daily to detect possible air leakage in advance. If there is air leak and minimum release air pressure is below 4.6Kgf/Cm², Cylinder cannot compress Brake Spring and results in operating Pressure Switch (input) or Proximity Switch in the Cylinder. The power from motor is shut down and the operation is ceased gradually at the same time.