



# Disc Brake Caliper

air applied spring released

air applied spring released

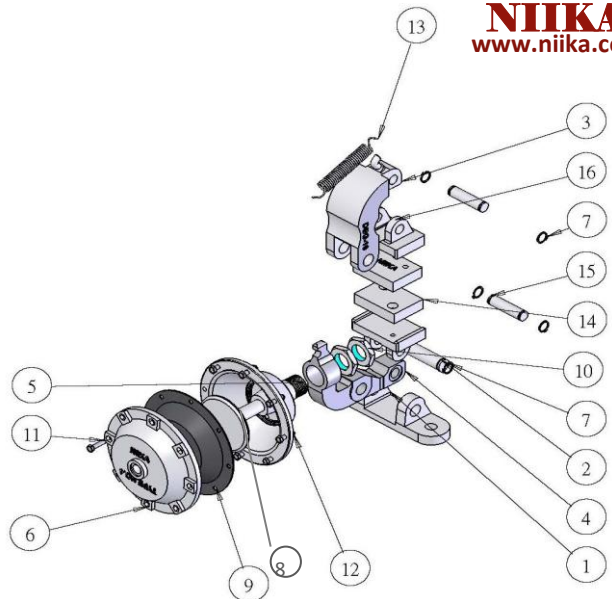
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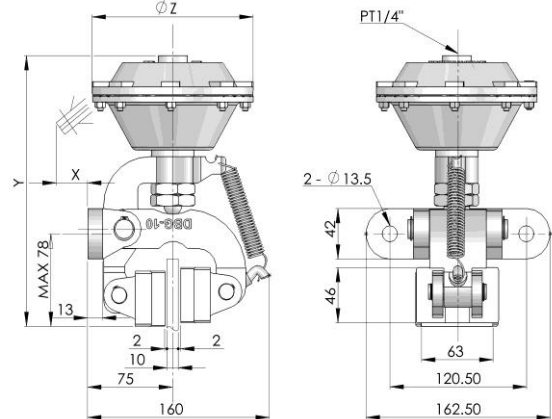
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| No. | Parts              | Q'ty |
|-----|--------------------|------|
| 1   | Base               | 1    |
| 2   | Pin for base       | 1    |
| 3   | Upper Arm          | 1    |
| 4   | Bottom Arm         | 1    |
| 5   | Upper Cover        | 1    |
| 6   | Bottom Cover       | 1    |
| 7   | Spacer             | 6    |
| 8   | Tappet             | 1    |
| 9   | Diaphragm          | 1    |
| 10  | Screw nut          | 2    |
| 11  | Scre-B18.2.3.2M    | 8    |
| 12  | Screw-B18.2.4.1M   | 8    |
| 13  | Spring             | 1    |
| 14  | Brake Pad          | 2    |
| 15  | Pin                | 2    |
| 16  | Base for brake pad | 2    |



As a type of economical brake, it can provide stably and effective power of braking. The vertical installation can save the space and the heat of rubbing surface can dissipate rapidly. The friction part is easy to replace, and it does not contain any asbestos. Brake-disc thickness covers from 10mm to 20mm. To control the deceleration of moving parts for small and medium powers, the best solution is the combination of a brake disc with one or more pneumatic calipers.

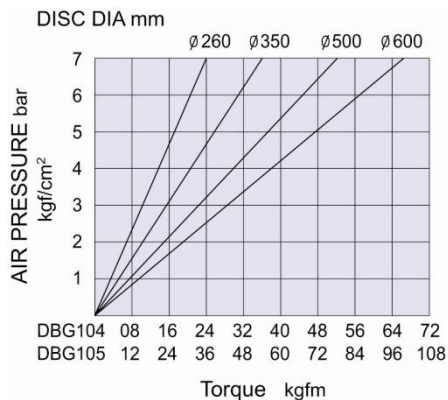
| Size                | DBG 104              | DBG 105              |
|---------------------|----------------------|----------------------|
| Maxi.under overload | 7 kg/cm <sup>2</sup> | 7 kg/cm <sup>2</sup> |
| Compression ratio   | 0.74                 | 0.74                 |
| Disc thickness      | 10 mm                | 10 mm                |
| Disc O. D. mm       | 200↑                 | 200↑                 |
| Unit Weight         | 5.5 kg               | 6 kg                 |



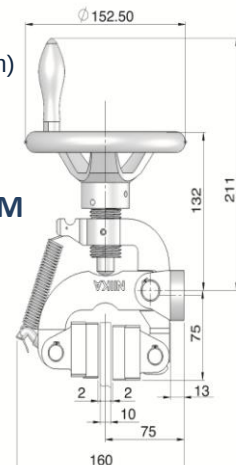
| Size    | X  | Y   | φZ  |
|---------|----|-----|-----|
| DBG 104 | 18 | 145 | 142 |
| DBG 105 | 36 | 160 | 177 |

### Torque Formula :

Braking Torque (kgm) = Braking Force (kg) x Effective Disc Radius (Actual)(mm)



### DBG -10M



## INSTALLATION

- \* Inspect and make sure the frame of whole brake without any contrived damage.
- \* Insert the disc between the brake pads before inspect the actuator and make sure there's no leakage.
- \* Insert the disc between the brake pads, and then fulfill the air to make sure the brake pad is complete in position.
- \* After all necessary check being completed, to install the DBH properly.

## MAINTENANCE

- \* Periodically inspect the actuator and make sure no leakage.
- \* Check the brake pad abrasion situation.  
The thickness of brake pad is 14.5mm.  
Please change the brake while:
  - a. The thickness of brake pad is below 8.5mm
  - b. Any metal noise to remind the brake pad might be too thin to prevent improper stroke.
- \* the inspection should be completed at least 1 time per month.

**DEG**

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