Application:
- Stopping and/or holding brake for rotor of wind turbines

Description:
- The ABS 75 FC brake is an Active Brake, Hydraulically Applied: braking force produced by variation of hydraulic pressure.
- The ABS 75 FC brake is designed as a floating caliper with one hydraulic cylinder.
- ABS brakes are suitable for horizontal and vertical brake discs under any angular displacement.

Design Advantage:
- Compact and robust construction
- Fast response time, fast braking for maximum safety
- Stainless steel piston
- Sinter linings for high speed/high energy application
- Lining retraction springs ensure air gap between lining and disc, when brake is open
- Removable retainers allow easy change of linings
- Suitable for low temperature application
- Long service life
- Easy maintenance
### Mounting: Y = 90 ± 12

![Diagram of brake caliper mounting](image)

**Calculation of Braking Torque**

\[
M_B = F_B \cdot \frac{D_1}{2} = 2 \cdot A_P \cdot p \cdot \frac{D_1}{2} = A_P \cdot p \cdot \mu \cdot D_1
\]

<table>
<thead>
<tr>
<th>(\varnothing D)</th>
<th>(\varnothing D_1)</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 (\leq \varnothing D &lt; 1500)</td>
<td>(\varnothing D_1 = \varnothing D – 130)</td>
<td>20</td>
</tr>
<tr>
<td>1500 (\leq \varnothing D &lt; 1600)</td>
<td>(\varnothing D_1 = \varnothing D – 126)</td>
<td>18</td>
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<tr>
<td>1600 (\leq \varnothing D &lt; 2000)</td>
<td>(\varnothing D_1 = \varnothing D – 120)</td>
<td>15</td>
</tr>
<tr>
<td>2000 (\leq \varnothing D &lt; 4000)</td>
<td>(\varnothing D_1 = \varnothing D – 110)</td>
<td>10</td>
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