Dellner Compact 95 is a complete, ready to use, safety brake system which includes disc brake, support and hydraulic power pack (HPP) with one interface.

The system is very compact, light weight, durable and suitable for outdoor / dirty environments (IP65).

The HPP is capable to actuate a second brake through a hose (twin mounting). It is also possible to separate the HPP, and mount it remote from the support. (In this case hydraulic tubing is not included).

The Compact 95 systems are designed for 12 mm thick brake discs. When used with thicker discs the systems can be supplied with spacers.

To maintain full brake torque the brakes should be adjusted when below mentioned maximum air gap value is exceeded. An extension of the brake piston through the adjustment nut gives an easy visual way to tell when adjustment is needed. As standard the Compact 95 systems are delivered with Dellner “Easy adjustment” feature.

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<td>max. 3)</td>
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<td>14300</td>
<td>65</td>
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<td>90</td>
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<td>&gt;6x10⁵</td>
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</table>

1) Calculated with an average frictional coefficient μ=0,42. Consideration has not been taken for external factors.
2) Braking force with correctly adjusted disc spring pack.
3) Braking force with maximum recommended air gap before adjustment is needed.
4) Pressure to fully release brake.
5) Air gap for correctly adjusted brake.
6) Maximum recommended air gap before adjustment is needed.
7) Valid for minimum spring pack compression.
8) Valid for maximum spring pack compression.

**Options**

- Proximity or mechanical switches for indicating on/off, pad wear or “time to adjust”.
- HPP for remote vertical mounting
- Console for remote mounting of vertical or horizontal HPP
- Other voltages for motor and solenoids than standard.
- ATEX approval available (causes changed outer dimensions on HPP)
- Cover for HPP
**Dimensions / Hydraulic Circuit**

- **Dellner Brakes AB reserves the rights to modification without special notice.**

**q = number of brakes**

**F = braking force according to the table below [N]**

**Ds = brake disc diameter [m]**

**H = brake pad height [m] (Compact 95 = 0.120)**

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**Torque table**

The braking torque is calculated from the following formula:

\[
M_{\text{brake}} = \frac{q \times F \times (D_s - H)}{2}
\]

<table>
<thead>
<tr>
<th>Compact model</th>
<th>Tangential braking force F [N] (^1)</th>
<th>Disc diameter D [mm]</th>
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<tr>
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<td>max. (^2)</td>
<td>min. (^3)</td>
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2) Braking force with correctly adjusted disc spring pack.

3) Braking force with maximum recommended air gap before adjustment is needed.