



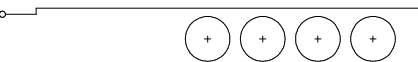


| <p>-- telefax --<br/>06221/703300</p> <hr/> <p>Haldex - HD -Technik</p>  | <p><b>datasheet for brake calculation<br/>for <u>centre axle trailer</u></b></p> <hr/> <p><b>model of vehicle :</b><br/><b>manufacturer :</b></p>  |  <p>Innovative Vehicle Solutions<br/><b>G 14047 / 9 ZAE</b></p> |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
|--|--|--|----------------------------|-----------|------------------------|-------------------------|----|----------------|----|----|------------------------------|----|----|----------------|----|---|----------------|----|----|----------------|--------------------------|----|---|--|--|-----------------------------|--|--|--|--|---|
| country of homologation ? _____ !  |  | approval acc. to <b>ECE, EEC</b> or national ? _____ !   |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <input type="checkbox"/>  </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <input type="checkbox"/>  </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <input type="checkbox"/>  </div> <div style="display: flex; align-items: center;"> <input type="checkbox"/>  </div> </div> <p>tyre type / size : _____<br/>Rdyn./Rstat. max./min. : _____ mm / _____ mm</p> <p>vmax. for agriculture trailers only:<br/> <input type="checkbox"/> ≤25Km/h <input type="checkbox"/> ≤40Km/h <input type="checkbox"/> ≤ 60Km/h <input type="checkbox"/> &gt; 60Km/h</p> | <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">technical data :</th> <th style="width:20%;">laden ?</th> <th style="width:20%;">unladen ?</th> </tr> </thead> <tbody> <tr> <td>gross vehicle weight P</td> <td style="text-align: center;">Kg</td> <td style="text-align: center;">Kg</td> </tr> <tr> <td>axle load PR 1</td> <td style="text-align: center;">Kg</td> <td style="text-align: center;">Kg</td> </tr> <tr> <td>axle load PR 2</td> <td style="text-align: center;">Kg</td> <td style="text-align: center;">Kg</td> </tr> <tr> <td>axle load PR 3</td> <td style="text-align: center;">Kg</td> <td style="text-align: center;">Kg</td> </tr> <tr> <td>axle load PR 4</td> <td style="text-align: center;">Kg</td> <td style="text-align: center;">Kg</td> </tr> <tr> <td>axle load Σ PR</td> <td style="text-align: center;">Kg</td> <td style="text-align: center;">Kg</td> </tr> </tbody> </table> | technical data :   | laden ?                    | unladen ? | gross vehicle weight P | Kg                      | Kg | axle load PR 1 | Kg | Kg | axle load PR 2               | Kg | Kg | axle load PR 3 | Kg | Kg  | axle load PR 4 | Kg | Kg | axle load Σ PR | Kg                       | Kg | <p><b>service braking system with:</b></p> <input type="checkbox"/> EB+ <input type="checkbox"/> <b>Gen3</b> or <input type="checkbox"/> Gen2 or <input type="checkbox"/> Gen1 ; ...S / ...M<br><input type="checkbox"/> ABS-MODAL/MODULAR ; ...S / ...M<br><input type="checkbox"/> ABS - UABS ; ...S / ...M<br><input type="checkbox"/> without ABS or EBS<br>further valves :<br><input type="checkbox"/> with TrCM / TrCM+ <input type="checkbox"/> with TEM <input type="checkbox"/> with REV<br><input type="checkbox"/> with LSV <input type="checkbox"/> with light/ laden valve <input type="checkbox"/> w/o LSV | <p><b>parking braking system with:</b></p> <input type="checkbox"/> with spring brakes on which axles ? _____<br>no. and type per axle : ___ type ? _____<br><hr/> or mech. Handbrake system:<br><input type="checkbox"/> with hand screw type : manuf. ? _____ Type ? _____<br>test report number ? _____ |  |                             |  |  |  |  |   |
| technical data :   | laden ?  | unladen ?  |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| gross vehicle weight P   | Kg   | Kg   |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| axle load PR 1   | Kg   | Kg   |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| axle load PR 2   | Kg   | Kg   |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| axle load PR 3   | Kg   | Kg   |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| axle load PR 4   | Kg   | Kg   |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| axle load Σ PR   | Kg   | Kg   |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| <p><b>axes/ foundationbrakes</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;"></th> <th style="width:12.5%;">1. axle</th> <th style="width:12.5%;">2. axle</th> <th style="width:12.5%;">3. axle</th> <th style="width:12.5%;">4. axle</th> </tr> </thead> <tbody> <tr> <td>manufacturer of axles ?</td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>axle type / test report-no.?</td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>manufacturer and type foundation brakes ?</td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>possible lever lengths ?</td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>no. of actuators per axle ?</td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table>   |  | 1. axle  | 2. axle                    | 3. axle   | 4. axle                | manufacturer of axles ? |    |                |    |    | axle type / test report-no.? |    |    |                |    | manufacturer and type foundation brakes ? |                |    |    |                | possible lever lengths ? |    |   |  |  | no. of actuators per axle ? |  |  |  |  | <p>brake actuators :</p> <input type="checkbox"/> diaphragm type<br><input type="checkbox"/> piston type<br>no. per axle :<br><input type="checkbox"/> 1 <input type="checkbox"/> 2<br>remark : _____ |
|  | 1. axle  | 2. axle  | 3. axle                    | 4. axle   |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| manufacturer of axles ?  |  |  |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| axle type / test report-no.?   |  |  |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| manufacturer and type foundation brakes ?  |  |  |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| possible lever lengths ?   |  |  |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| no. of actuators per axle ?  |  |  |                            |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |
| <p><b>suspension</b></p> <p><input type="checkbox"/> <b>mechanical</b>, balanced suspension during braking cond.? <input type="checkbox"/>yes <input type="checkbox"/>no (VB or W/GW etc.)<br/>         manufacturer / type ? _____ / _____ , spring deflection (laden to unladen) Δ fs ? ___ mm</p> <hr/> <p><b>unit</b></p> <p><input type="checkbox"/> <b>air suspension</b> - bellows pressure : laden ? _____ bar , unladen ? _____ bar<br/>         manufacturer ? _____ ! type ? _____ !<br/> <input type="checkbox"/> axle lift on axle(s) _____ ! <input type="checkbox"/> self steering axle(s) _____ !</p>  | <p><b>department / sign :</b> _____</p>  | <p><b>Phone/eMail:</b> _____</p>   | <p><b>date :</b> _____</p> |           |                        |                         |    |                |    |    |                              |    |    |                |    |   |                |    |    |                |                          |    |   |  |  |                             |  |  |  |  |   |