

**Grafos Steel S.r.l.**  
Via Treves 19/21  
41043 Formigine (MO) ITALY  
Tel. +39.059.57.50.267  
www.grafossteel.it

Title: Digi Inox keyboard; 81 buttons (R17 keycap) white illuminated; front mount; USB+PS/2 interface; stainless steel trackball

P/N: **DGI.81R17.F-B-TI** Rev: **DGI.81R17.F-B-TI (Data-sheet).idw**

Dimensions without indicated tolerances - precision according to: **ISO 2768 F**

Date: **28/12/2016**

Material: - Surface treatment: -

Tolerance class Length (mm)

>0 - 6 ±0.2 ±0.5 ±0.8 ±1.2

>6-30 ±0.1 ±0.2 ±0.3 ±0.5

>30-120 ±0.15 ±0.2 ±0.3 ±0.5

>120-400 ±0.2 ±0.3 ±0.5 ±0.8

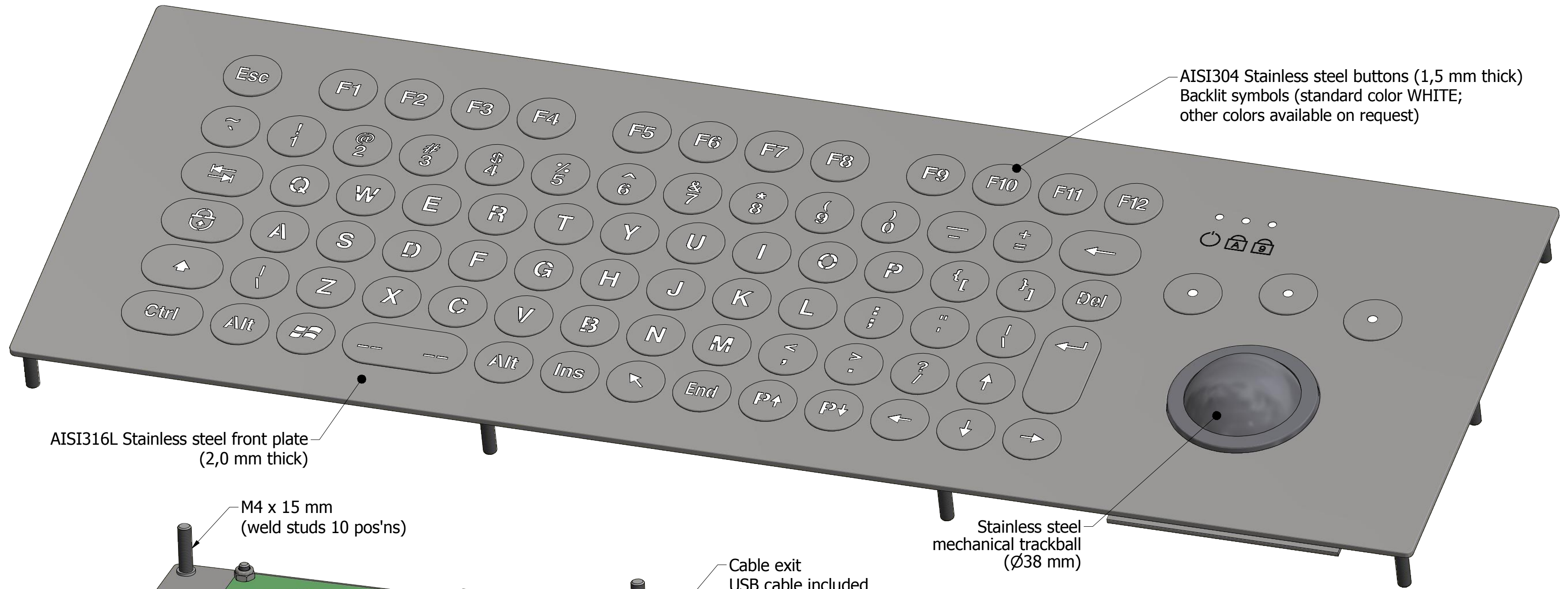
Drawn: **A. Iosi**

Approved:

Sheet: **1** Of: **2**

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|                       |  |
|-----------------------|--|
| Material              | AISI 316L Stainless Steel (2,00 mm thick) front plate; AISI 316L Stainless steel (1,5 mm thick) buttons with built-in silicone rubber sealing gasket |
| Lettering             | white opalescent polycarbonate infill  |
| Button stroke         | 0,6 mm +/- 0,1 mm  |
| Actuation force       | 4,0 N (typical)  |
| Life expectancy       | >3.000.000 cycles  |
| IP Protection rate    | IP65 (when ball is stationary); IP54 (when ball is rotating)   |
| Contact technology    | Stainless steel metal dome on Gold plated PCB  |
| Connection            | USB or PS/2  |
| Operating temperature | 0°/+50°C   |
| Storage temperature   | -25°/+55°C   |

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|--|-------------------------|--|------------------|-------------|--|--|--|--------|-------|---------|----------|------------|-------|-------|-------|-------|------------|-------|-------|-------|-------|----------|--------|-------|--------|-------|----------------|
| P/N:<br><b>DGI.81R17.F-B-TI</b>  | Rev:<br>-               | File:<br>DGI.81R17.F-B-TI (Data-sheet).idw   | Drawn:<br>A.Tosi |             |  |  |  |        |       |         |          |            |       |       |       |       |            |       |       |       |       |          |        |       |        |       |                |
| Date:<br>28/12/2016  |                         | Dimensions without indicated tolerances - precision according to:<br><b>ISO 2768 F</b>   |                  |             |  |  |  |        |       |         |          |            |       |       |       |       |            |       |       |       |       |          |        |       |        |       |                |
| Material:<br>-   | Surface treatment:<br>- | <table border="1"> <thead> <tr> <th rowspan="2">Tolerance class</th> <th colspan="4">Length (mm)</th> </tr> <tr> <th>&gt;0 - 6</th> <th>&gt;6-30</th> <th>&gt;30-120</th> <th>&gt;120-400</th> </tr> </thead> <tbody> <tr> <td>C (Coarse)</td> <td>± 0.2</td> <td>± 0.5</td> <td>± 0.8</td> <td>± 1.2</td> </tr> <tr> <td>M (medium)</td> <td>± 0.1</td> <td>± 0.2</td> <td>± 0.3</td> <td>± 0.5</td> </tr> <tr> <td>F (Fine)</td> <td>± 0.05</td> <td>± 0.1</td> <td>± 0.15</td> <td>± 0.2</td> </tr> </tbody> </table> | Tolerance class  | Length (mm) |  |  |  | >0 - 6 | >6-30 | >30-120 | >120-400 | C (Coarse) | ± 0.2 | ± 0.5 | ± 0.8 | ± 1.2 | M (medium) | ± 0.1 | ± 0.2 | ± 0.3 | ± 0.5 | F (Fine) | ± 0.05 | ± 0.1 | ± 0.15 | ± 0.2 | Approved:<br>- |
| Tolerance class  | Length (mm)             |  |                  |             |  |  |  |        |       |         |          |            |       |       |       |       |            |       |       |       |       |          |        |       |        |       |                |
|  | >0 - 6                  | >6-30  | >30-120          | >120-400    |  |  |  |        |       |         |          |            |       |       |       |       |            |       |       |       |       |          |        |       |        |       |                |
| C (Coarse)   | ± 0.2                   | ± 0.5  | ± 0.8            | ± 1.2       |  |  |  |        |       |         |          |            |       |       |       |       |            |       |       |       |       |          |        |       |        |       |                |
| M (medium)   | ± 0.1                   | ± 0.2  | ± 0.3            | ± 0.5       |  |  |  |        |       |         |          |            |       |       |       |       |            |       |       |       |       |          |        |       |        |       |                |
| F (Fine)   | ± 0.05                  | ± 0.1  | ± 0.15           | ± 0.2       |  |  |  |        |       |         |          |            |       |       |       |       |            |       |       |       |       |          |        |       |        |       |                |
| -  |                         | Sheet: 2   | Of: 2            |             |  |  |  |        |       |         |          |            |       |       |       |       |            |       |       |       |       |          |        |       |        |       |                |

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