**QGIS Application - Bug report #21330**  
**Missing hatch, wrong text alignment and line width from DWG import**  
2019-02-20 10:06 PM - Antoine Lafranchis

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Jürgen Fischer</td>
</tr>
<tr>
<td>Category:</td>
<td>DWG/DXF import</td>
</tr>
<tr>
<td>Affected QGIS version:</td>
<td>3.5(master)</td>
</tr>
<tr>
<td>Regression?:</td>
<td>No</td>
</tr>
<tr>
<td>Easy fix?:</td>
<td>No</td>
</tr>
<tr>
<td>Copied to github as #:</td>
<td>29148</td>
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**Description**

When I imported a DWG in Qgis, I noticed the following problems:

- One hatch is missing (exists in attribute table but without geometry)
- The texts are wrongly aligned (centered in Autocad, top left aligned in Qgis)
- The line width (defined in the layer in Autocad) doesn't appear in Qgis

Also the hatch pattern and hatch opacity aren't converted but these are minor issues.

**Associated revisions**

Revision 92e7faab - 2019-02-19 07:56 PM - Jürgen Fischer

dwg/dxf import: fix angle and alignment handing of (m)texts

Revision b8c727f1 - 2019-02-19 07:56 PM - Jürgen Fischer

dwg import: force polyline and hatch/ring continuity

Revision 6bf2d9d4 - 2019-02-22 11:50 PM - Jürgen Fischer

dwg import: implement suggestion from #21330

**History**

#1 - 2019-02-22 11:47 AM - Jürgen Fischer

Antoine Lafranchis wrote:

> When I imported a DWG in Qgis, I noticed the following problems:
> - One hatch is missing (exists in attribute table but without geometry)
> - The texts are wrongly aligned (centered in Autocad, top left aligned in Qgis)

was already fixed.

> The line width (defined in the layer in Autocad) doesn't appear in Qgis

That's a more involved problem. polylines (can) have width in map units - but also have a linewidth in render units, which might even be inherited from the
So we have two possibilities for units, but those currently cannot be data defined. In your case the polylines don't have an explicit polyline width. Therefore the width attribute is 0. Linewidth is set to 0.5, but currently not used for polylines as the line symbol is set to use width with unit hardwired to map units. The latter wouldn't make sense for linewidth.

All I can offer now is the option change such polyline layers manually - which also only would work, if you don't have mixed cases.

#2 - 2019-02-22 07:47 PM - Antoine Lafranchis
- Status changed from Open to Closed

I installed yesterday’s build and the missing hatch and misaligned text issues are indeed fixed! Thanks!

For the mixed width/linewidth i found a solution: I add two Simple Line symbols, one with map units and the other with pixels. For the first one I add data-defined ‘enable layer’ property with expression "width" > 0 and for the second one ‘enable layer’ is set to "width" = 0.

#3 - 2019-02-27 09:22 AM - Jürgen Fischer

Antoine Lafranchis wrote:

For the mixed width/linewidth i found a solution: I add two Simple Line symbols, one with map units and the other with pixels. For the first one I add data-defined ‘enable layer’ property with expression "width" > 0 and for the second one ‘enable layer’ is set to "width" = 0.

also implemented. Transparency should also be in places - although it’s a property of the color, so inheritance of only color or transparency might not work.

#4 - 2019-03-03 07:12 PM - Antoine Lafranchis

Thanks for fixing this.

It looks like there is still an issue with transparency applied in lines that should be opaque, but the problem is not in the symbology (it matches the rgba color value in the attribute table). I will create a new clean DWG file and if the issue is confirmed I will open another report.

Files

<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
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<tbody>
<tr>
<td>hatches_text.dwg</td>
<td>53.2 KB</td>
<td>2019-02-20</td>
<td>Antoine Lafranchis</td>
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<td>hatches_text_autocad_screenshot.png</td>
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<tr>
<td>hatches_text.gpkg</td>
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<td>Antoine Lafranchis</td>
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<td>qgis_dwg_import_settings.png</td>
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