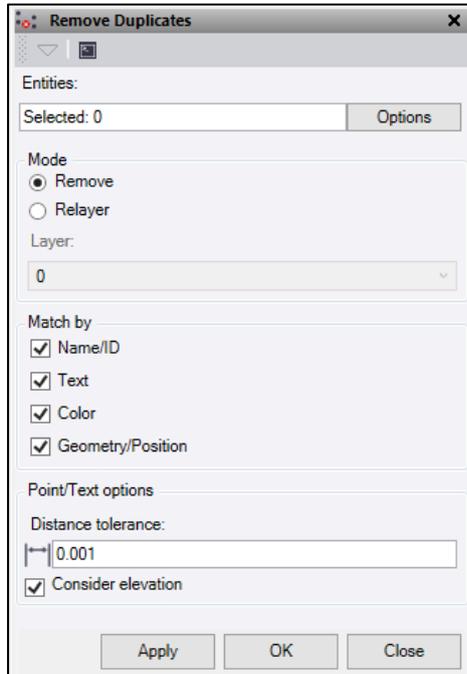Remove Duplicates

## Command Description

The Remove Duplicates command allows the user to remove duplicate lines, points and text based on a selection of properties such as position, geometry, name/id, text and colour.



1. Click in the **Entities** selection field and then in a graphic view select the objects you want to check for duplicates. Click **Options** for additional selection options.

2. Select the **Mode** to use for any duplicate data found. Either **Remove** permanently or **Relayer** the data to another layer.

3. Tick any of combination of **Match by** fields of **Name/ID,** and/or **Text** and/or **Color,** and/or **Geometry/Position** to determine which objects are duplicates.

   Objects must be of the same type to be matched. *For example: if a point and a line have the same name/id and only the **Name/ID** field is selected they will not be considered duplicates.*

   When comparing two objects all the fields selected must match for the objects to be considered duplicates. *For example: if **Name/ID** and **Geometry/Position** are selected along with 3 points – all 3 of which have the same id but only 2 of which have the same position – then only 2 of the points will be considered duplicates (1 point will be removed). If the same selection is used but the **Geometry/Position** field is turned off, then all 3 will considered duplicates (2 points will be removed).*

   The following table explains the available **Match by** fields, and which objects they apply to:

| Field | Remarks | Applies to | | |
|---|---|---|---|---|
| | | **Points** | **Text** | **Lines** |
| **Name/ID** | For lines this is the name, for points the ID. | ✓ | ✗ | ✓ |
| **Text** | Applies to both Text and MText objects. | ✗ | ✓ | ✗ |
| **Color** | Does not apply to the points layer color. | ✗ | ✓ | ✓ |
| **Geometry/Position** | For text objects this is the insertion point. | ✓ | ✓ | ✓ |

4. Set the appropriate **Point/Text Options**.

- Distance tolerance: This is the distance used to compare points or text with each other. To match exactly it must be set to "0.000".

- Consider elevation: If this is ticked then position is compared in 3D. If unticked the position is a 2D comparison.

5. Click **Apply** to apply the changes and keep the **Remove Duplicates** command pane open.