Altair® HyperWorks®

2022.2

Match Parts

Automatically group selected parts into part sets based on comparison method and criteria selected.

1. From the Assembly ribbon, click the Match tool.

Figure 1.

A guide bar will display with the active selector set to Parts.

2. Select the necessary parts in the graphics area or through the **Advanced selection** dialog.

3. **Optional:** Select the comparison method. The default is shapeAI.

4. **Optional:** Select the **Choose reference** checkbox and select the parts that will act as a reference for comparison. You can select more than one reference part.

5. **Optional:** Set options as necessary by clicking ≡ on the guide bar.

6. Click **Match** on the guide bar.

A progress bar initializes in the status bar. A part set is created for each group of parts that match each other. The top level part set is created using a combination of comparison method and criteria, and is prefixed with "Grouped_." Nested part sets are created for each part having similar or matching parts, with a prefix of "Matched_."
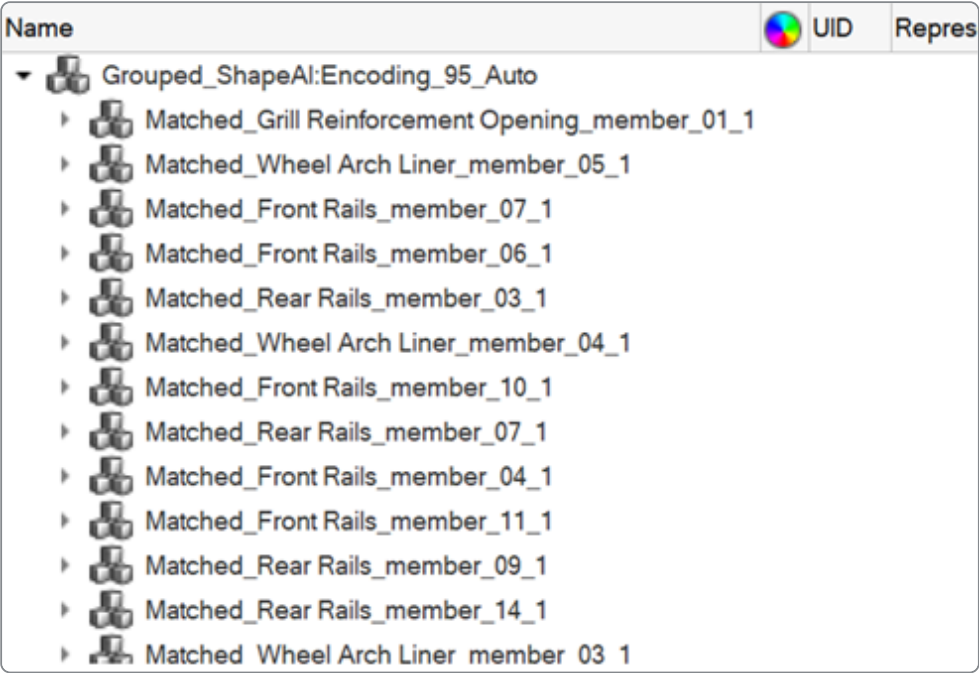

Figure 2.

    Note: Match also supports comparisons based on part name and metadata. You can group parts based on complex queries using name, metadata, or a combination of both. Partset name can be specified before creation and these queries can be saved and shared in a configuration file.