

GENIUS TOOLS for Creo

11.0.1.0

News

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1 Important information

Updating GENIUS TOOLS Parameter & Library

An update of GENIUS TOOLS Parameter & Library does not update the resource folder (*gt_resource_folder*). This must be updated manually. Consult the chapter *Update process* in the help document *GENIUS TOOLS Starter Installation.pdf*

License-dependent functions

The following functions are available with a subscription license for GENIUS TOOLS® Library, GENIUS TOOLS® Parameter and Startup TOOLS.

Please note: The sum of all extension modules for Creo Parametric, which comprise the GENIUS TOOLS products, are called GENIUS TOOLS for Creo.

Extension module	Description	Release
Load Save Converter	Converts Creo objects from previous Creo-, Wildfire- or Pro/ENGINEER versions to the currently used version.	7.0.0.0
Inspect Revision	Stores all versions of inspection symbols on a drawing. Easily creates an overview of a revision history.	7.0.0.0
Open Base Model	Opens geometric base models that are reference sources for features with one click in the context menu of a feature.	7.0.0.0
Extend Relations	Adds functions to model relations that define parameters for models and – with Creo 7 – for bodies.	7.0.0.0 - 8.0.0.0
Select Surfaces By Color	Surfaces of the same color can be selected with one click and be colored, measured or otherwise modified thereafter.	7.0.1.0
CS Assembler	Automates the assembly of components into an assembly using defined coordinate systems (CS).	7.0.1.0

Extension module	Description	Release
Extended Dimension Functions	Model dimensions can be increased or decreased very quickly with the mouse in a defined increment in the graphics window.	7.0.2.0
Copy Component Parameter To Substitution Component Parameter	If a value has been assigned to a component parameter for a part in the master representation, this value can be copied to the component parameter for a simplified part.	7.0.2.0
Toggle Symbol Variants	If a grouped symbol has variants in the first level, you can switch between those variants more quickly.	7.0.2.0
Multibody to Assembly	Converts multiple bodies into assemblies (Creo Advanced Assembly Extension (AAX) is required.)	8.0.0.0
Work Dir Manager	Automatically collects all directories used during the work process and enables the current working directory to be changed quickly.	8.0.0.0
Full Backup	Quickly backs up the current model with all dependent data.	8.0.0.0
Command Control	Creo Parametric ribbon commands / commands can be hidden or deactivated.	8.0.1.0
Feature Regeneration Profiler	Regenerates models and displays regeneration times for each feature.	10.0.1.0

GENIUS TOOLS for Creo: End of support for Creo versions 7.0.0.0 and 7.0.1.0 (Version 10.0.1.0)

PTC Creo versions 7.0.0.0 and 7.0.1.0 are no longer supported.

Recording Telemetry Data (11.0.1.0)

Telemetry data collection is implemented for product optimization, troubleshooting and sustainable development. Telemetry data provides valuable insight into how modules and

features are used. This data can be used to identify weaknesses. It can also be used to develop improvements and new features. Telemetry data collection can be enabled or disabled at any time in the settings.

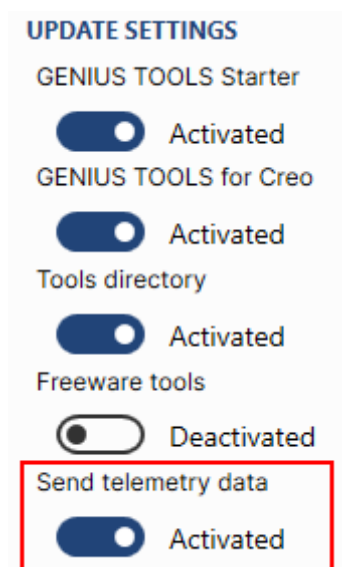
Data Anonymization

Telemetry data is anonymized and transmitted using HTTPS encryption. If telemetry data collection is disabled, no data is collected or transmitted. All transmissions will replace any client-side data that contains any of the following information:

- Username → based on environment variable USERNAME
- Computer name → based on environment variable COMPUTERNAME
- userdomain → based on environment variable USERDOMAIN
- GT Starter Drive → based on environment variable GTS_CFG_LW
- GT Starter Root Dir → based on environment variable GTS_ROOT_DIR
- GT Resource Folder → based on environment variable GT_RESOURCE_FOLDER
- E-mail → based on e-mail address format

Enabling Telemetry Transmission

When installing, updating or changing *GENIUS TOOLS Starter* with *GENIUS TOOLS Environment Administrator*, the function *Send telemetry data* is enabled by default. Activation of telemetry data collection is also transferred to GENIUS TOOLS for Creo products.



If you are working with GENIUS TOOLS for Creo products only, you must explicitly enable telemetry data collection. You can enable telemetry data collection in several ways::

- Create the environment variable `GT_TELEMETRIE`; or
- Activate the following configuration options via *Configuration Utility*:
 - `gtu_start_usage_logger`

Defines whether the usage logger is active (0 - No, 1 - Yes). Default: 0. Set the configuration option to 1 to enable telemetry collection.

- `gt_send_telemetry_data`

Defines whether anonymized telemetry data is sent to INNEO Solutions GmbH. Default: `%GT_TELEMETRY%`. Set the configuration option to 1 to enable telemetry collection, or create the environment variable yourself.

2 What's new in release 11

The GENIUS TOOLS add-on applications for Creo – included in the GENIUS TOOLS Library and GENIUS TOOLS Parameter products – support Creo Parametric version 11. New function in release 11 are explained in this chapter.

If you would like to search for functions of a module across releases, enter the name of the module in the search window in the **Update Advisor** (<https://updateadvisor.inneo.com>). The Update Advisor also lists all changes to configuration options and files in the supplied data packages.

GENIUS TOOLS for Creo: New product „GENIUS TOOLS MBD for ISO-GPS“ (11.0.0.0)

The new product *GENIUS TOOLS MBD for ISO-GPS* supports you in functional construction and specification in 3D. Our goal is to make it as easy as possible for you to implement the ISO GPS standards.

Please note: *GENIUS TOOLS MBD for ISO-GPS* can be used with Creo Parametric version 10 or higher.

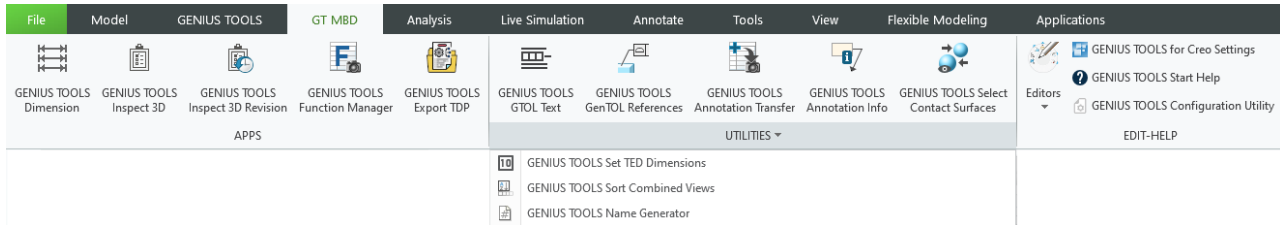
GENIUS TOOLS MBD for ISO-GPS is available in part and assembly mode with the stand-alone ribbon menu *GT MBD*.

New modules:

- GENIUS TOOLS Inspect 3D¹²
- GENIUS TOOLS Function Manager¹¹
- GENIUS TOOLS GTOL Text²⁴
- GENIUS TOOLS GenTOL References²⁴
- GENIUS TOOLS Annotation Transfer²²
- GENIUS TOOLS Annotation Info²¹
- GENIUS TOOLS Select Contact Surfaces²⁵ (im Teilemodus) / GENIUS TOOLS Find Contact Surfaces²³ (im Baugruppenmodus)
- GENIUS TOOLS Export TDP⁹
- GENIUS TOOLS Set TED Dimensions²⁶
- GENIUS TOOLS Sort Combined Views²⁶

Established modules, as known from the ribbon menu *GENIUS TOOLS*, are available with the same functions.

- GENIUS TOOLS Dimension
- GENIUS TOOLS Name Generator
- GENIUS TOOLS Quick Access



Warning: If you have a license for both GENIUS TOOLS MBD for ISO-GPS and Startup TOOLS, you must activate the start button: `gt_start_mbd_management_tools`.

2.1 GENIUS TOOLS Assembly Report

Transferring sum as parameter to assembly (11.0.0.0)

You can further customize the display of the summary row in GENIUS TOOLS Assembly Report Editor.

If the check box *Add totals row* is selected, you can select another option: *Write mass_TOTAL in model parameter*. If you select this option, you can enter a new model parameter in the text field or overwrite an existing model parameter.

<input checked="" type="checkbox"/> Add totals row	<input checked="" type="checkbox"/> Write sum of mass_TOTAL in model parameter	Model parameter mass_TOTAL: <input type="text" value="param_name_total_mass"/>
--	--	--

Using position values from Windchill dynamically (11.0.1.0)

When working with Windchill, you can use the Windchill position numbers for numbering. This allows WTParts to be found and uniquely assigned by number or owner.

Previously the WTPart was assigned by name only. Search and assignment can now be dynamically configured using these configuration options:

- Searching for the WTPart: `gta_wt_part_attribute_name` (Default: *Number*)
- Searching for the attribute value: `gta_wt_part_attribute_value` (Default: `% PTC_WM_PART_NUMBER%`)
- Setting whether to search for the WTPart by its owner or by its attribute:
`gta_wt_part_by_attribute` (0 - Owner, 1 - Attribute; Default: 0)
- Searching for position values: `gta_wt_part_pos_attribute_name` (Default: *Number*)
Once the WTPart with the product structure is found, its position information is searched for and the position parameter set in Assembly Report is filled with it.

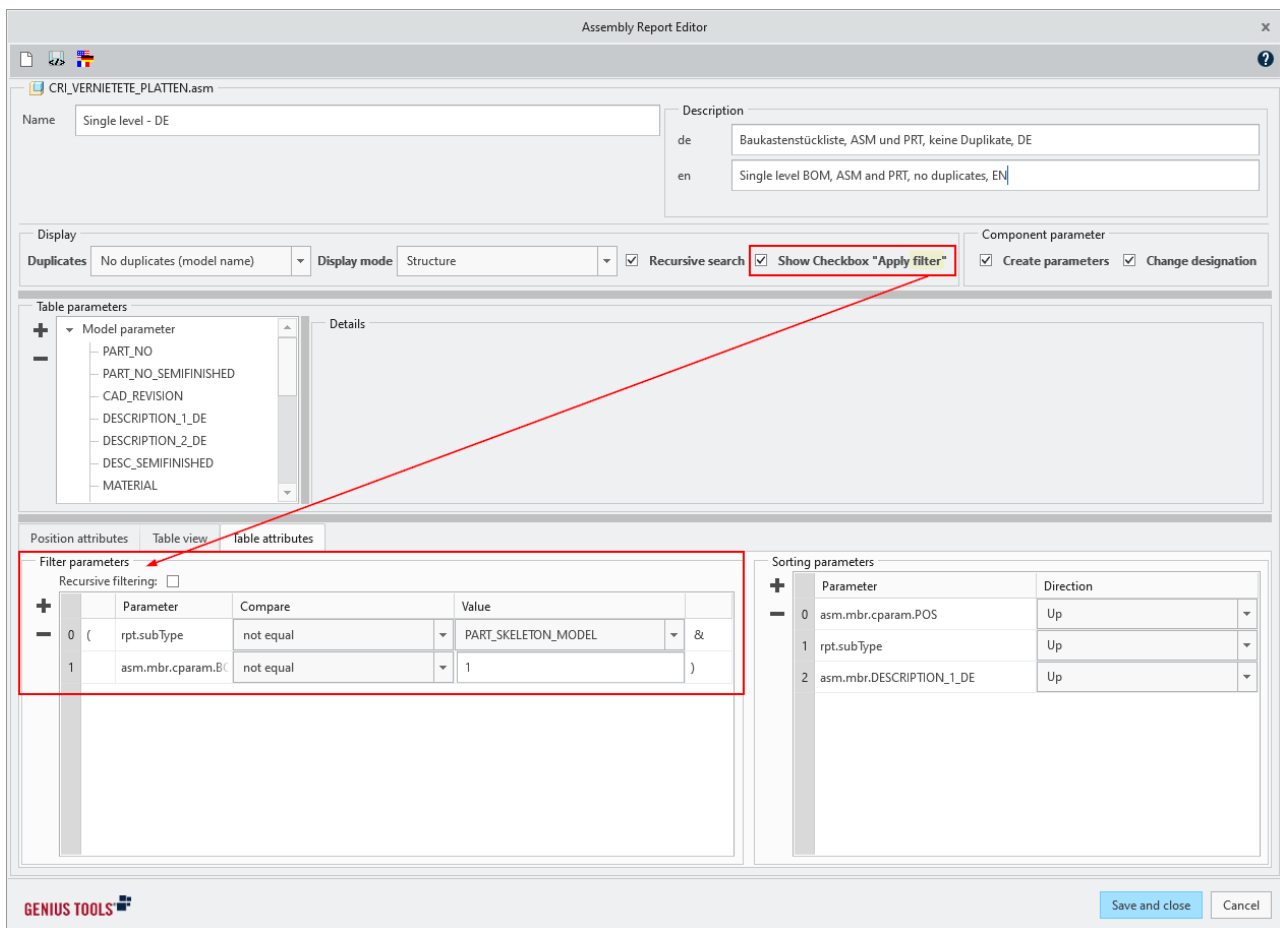
Benefits of configurable position value transfer from Windchill:

- API is supported
- Name and line number attribute are no longer searched statically, but dynamically

Show Checkbox „Apply Filter“ (11.0.1.0)

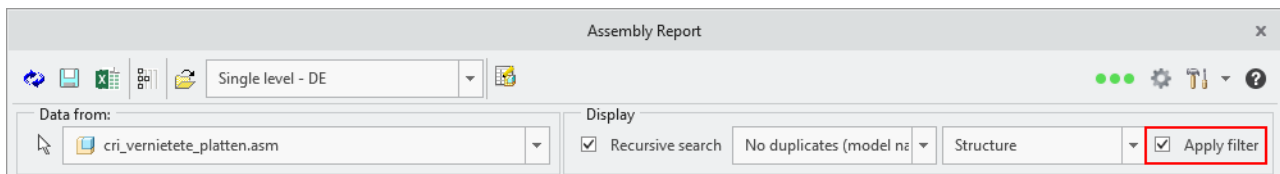
In *Assembly Report Editor*, you can select the checkbox: *Show Checkbox "Apply filter"*. When this checkbox is selected, the checkbox *Apply filter* appears in *Assembly Report*, allowing you to control whether the filters defined in *Filter parameters* in the Editor are applied.

If the checkbox *Apply filter* is not selected, you cannot control the application of the *Filter parameters* because they are applied automatically (default).



Assembly Report Editor: Position of the checkbox "Show Checkbox 'Apply Filter'" in relation to the filter parameters

Save this setting to display the checkbox *Apply filter* in *Assembly Report*. In this case, the checkbox is pre-selected:



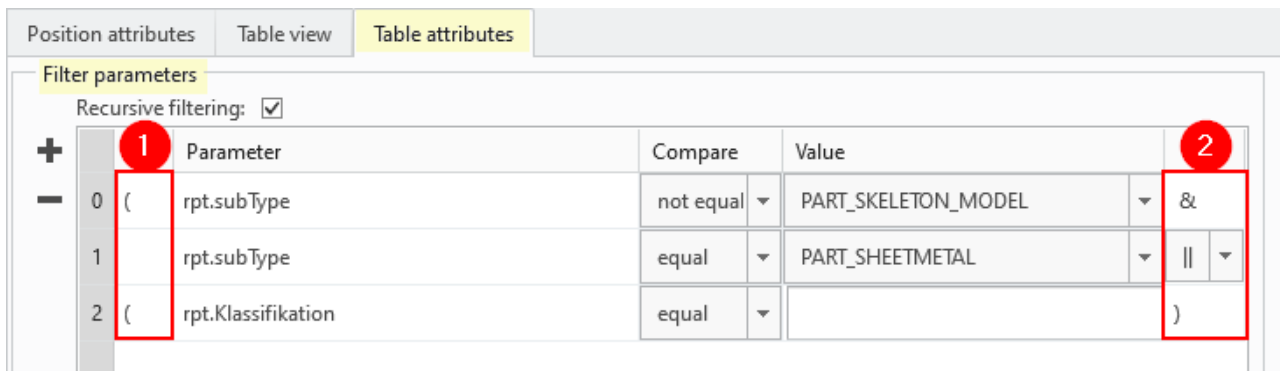
Assembly Report: Position of the checkbox "Apply Filter"

Applying PreSave rule using model parameters (11.0.1.0)

When using the Position PreSave rule, model and report parameters are supported in addition to component parameters.

Logical operators can be used to link filter parameters (11.0.1.0)

If you are working with multiple filter parameters, you can use logical operators to determine whether the filter parameters are executed additively or exclusively.



- Column indicating the start of a logical expression (=opening parenthesis, when a new expression begins. Otherwise, the cells are empty.)
The column is automatically filled in, depending on the selection in column 2.
- Column indicating the type of link or the end of a logical expression. The end of a logical expression is automatically indicated by a closing parenthesis.
 - You can set these types of links:
 - & (=and): All AND-linked filters are executed.
 - || (=or): A new filter group is opened, separated from the existing filters by an OR-link. Only one of the OR-linked filter groups is executed.

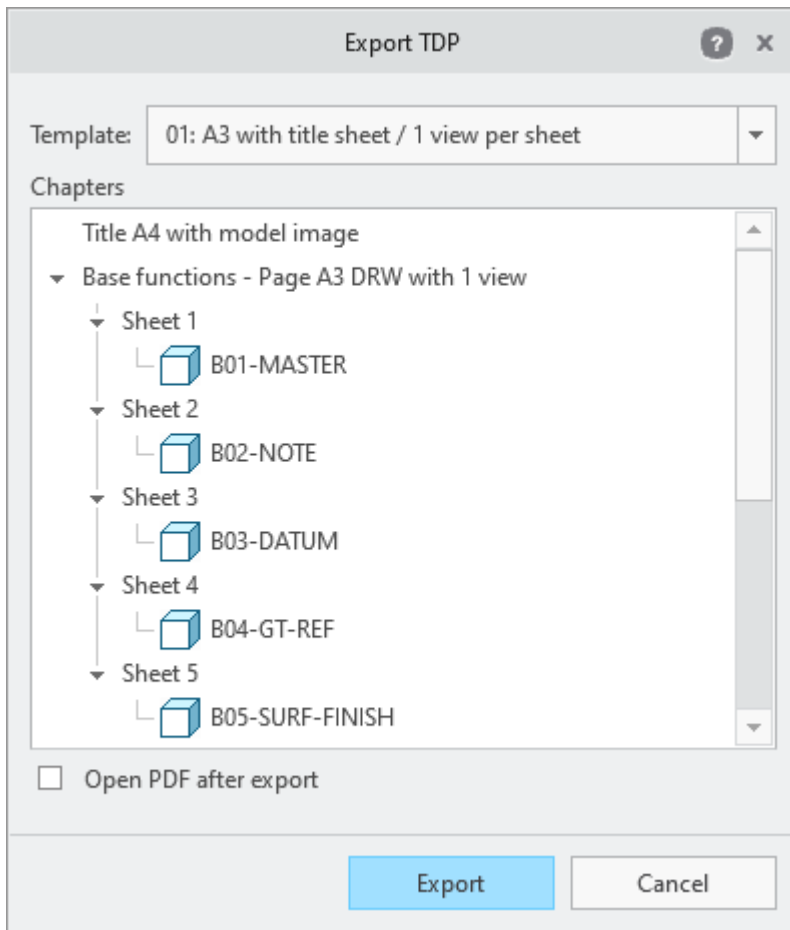
2.2 GENIUS TOOLS Export TDP

New module „Export TDP“ (11.0.0.0)

The new function *Export TDP* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

The module *Export TDP* allows you to export technical data packages for viewing 3D models as PDF files. These PDF files contain simplified representations of the MBD model

that can be rotated, zoomed, and resized.



The exported PDF files can be created in the following ways:

- Structuring PDF files by chapters
- Optional content: Title page, table of contents, chapters with one or more combined views
- Format: classic drawing format with drawing frame or book format without drawing frame

Export TDP: Extension of the template (11.0.1.0)

The templates in the folder *template* have been extended: The attribute `onlyPublished` has been added to the chapter definitions `<chapter.../>`.

This attribute specifies whether only combined views that are set to *Publish* in Creo View Manager are exported. Possible settings: yes/no (`true/false`)

2.3 GENIUS TOOLS Function Manager

New module „Function Manager“ (11.0.0.0)

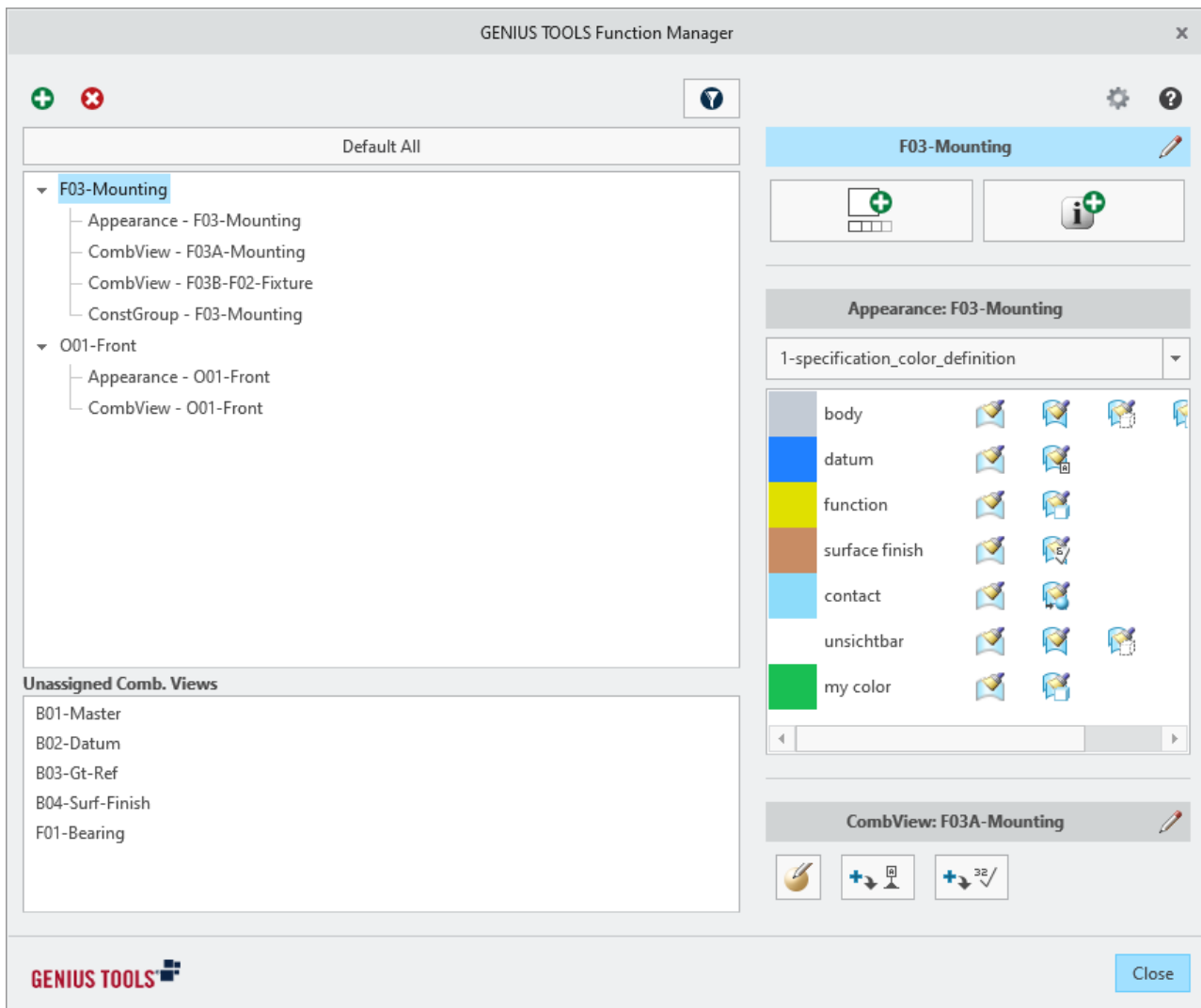
The new function *Function Manager* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

The module *Function Manager* allows you to create and manage functions and associated functional objects that you need for functional construction and specification in 3D.


Templates for functions and functional objects can be read as XML files.

Function Manager is available in part mode and in assembly mode with the following features:

1. Overview of existing functions and their functional objects (combined views, appearances, etc.)
2. Real-time editing of functions and functional objects: add, rename, extend, delete
3. Alphabetical creation of combined views without scrolling in the Creo Parametric main window
4. Switching between combined views without switching views
5. Editing, grouping and deleting combined views
6. Creating several combined views at the same time and displaying them in the model tree
7. Automatic naming of functions
8. Coloring of surfaces, features and parts
 - A predefined color scheme is provided and accessible via *View > Appearances > Library > startuptools*. This color scheme is ready to use and can also be customized.



Saving the orientation of the combined view (11.0.1.0)

The editing of combined views has been extended to include the command *Saving the orientation of the combined view* .

2.4 GENIUS TOOLS Inspect / Inspect 3D

New module „Inspect 3D“ (11.0.0.0)

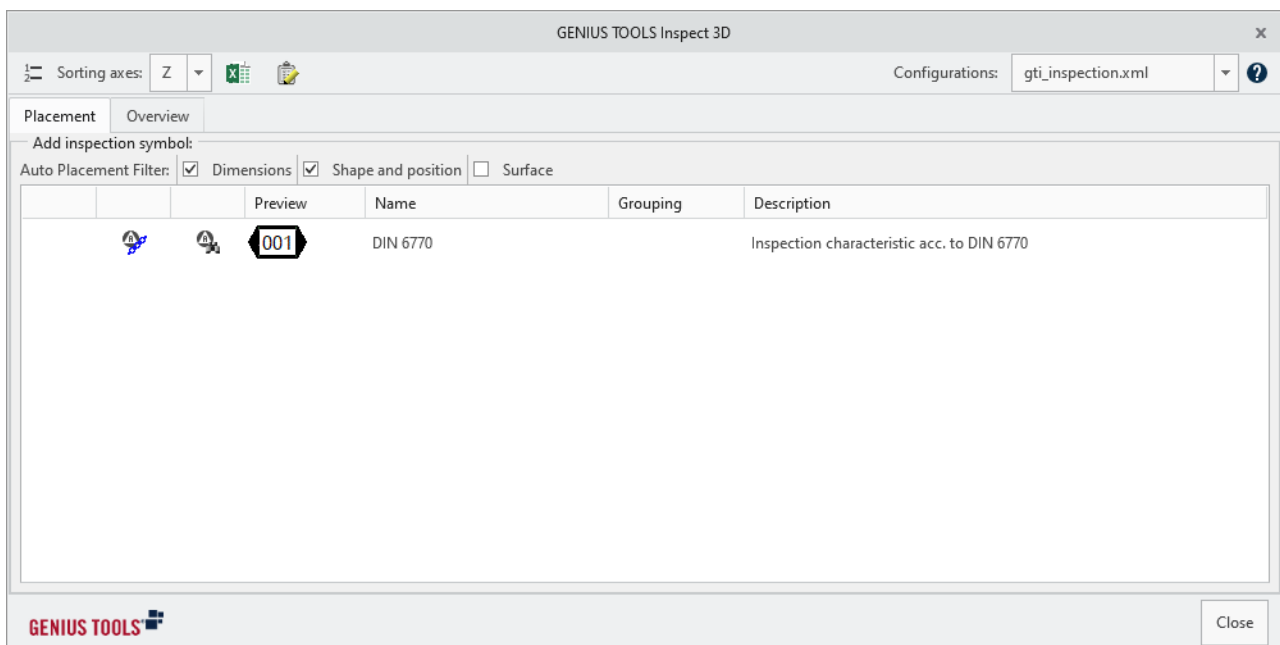
The new module *Inspect 3D* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

Use *Inspect 3D* to add inspection symbols to parts and assemblies in Creo Parametric.

Inspect 3D is available in part mode and assembly mode with the following features:

1. Placement of inspection symbols linked to
 - dimensions

- shape and position tolerances
 - surface quality symbols
 - notes
 - symbols
2. Numbering of inspection symbols
 - by axes
 - by symbol type
 - similar to DIN 6770 (numbers are not assigned anew)
 3. Data export to Excel

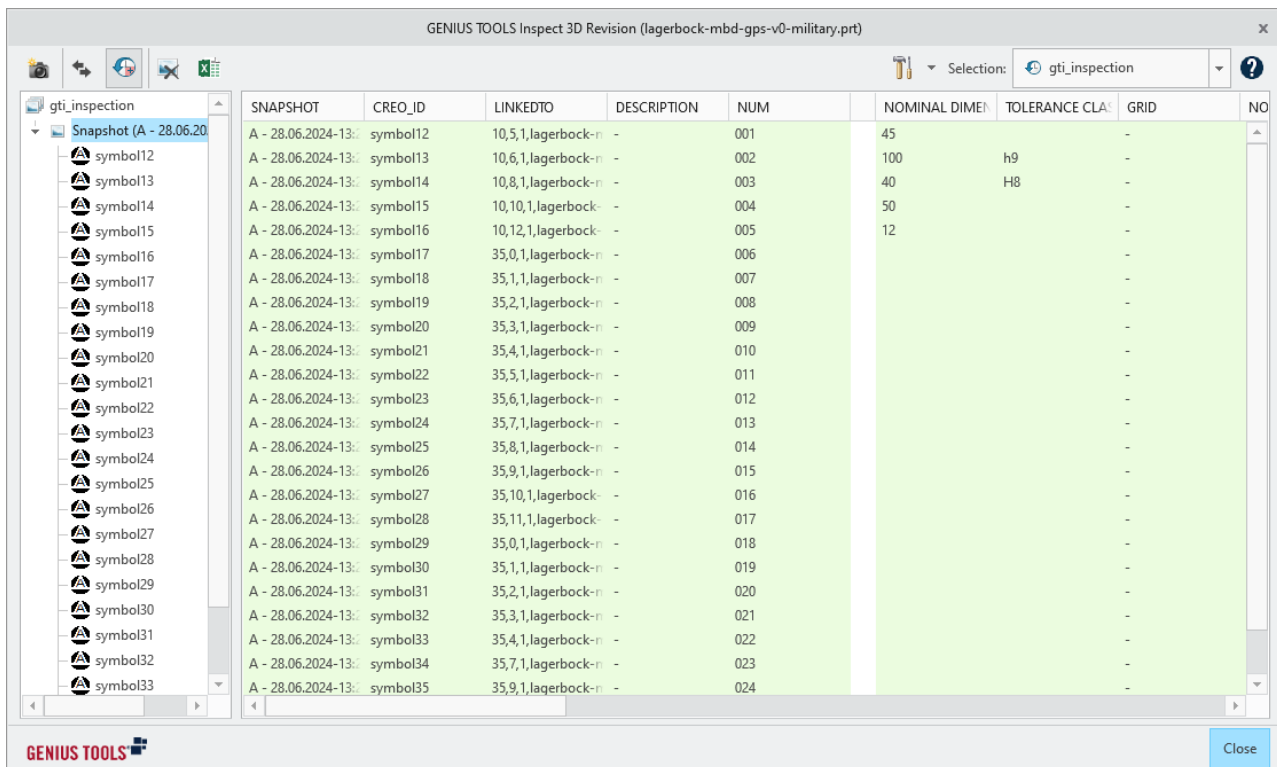


Please note: *Inspect 3D* is configured in *Inspect Editor*. This Editor is available for *Inspect* and *Inspect 3D*. Some settings / configuration options can only be set for *Inspect* in drawing mode or only for *Inspect 3D* in part mode and assembly mode, e. g. *Inspect Editor*: Prefix for inspection characteristics in the annotation tree¹⁵.

New module „Inspect 3D Revision“ (11.0.0.0)

The new module *Inspect 3D Revision* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

Use *Inspect 3D Revision* to create snapshots of all inspection symbols in a combined view of a part / an assembly at a given time. Using a revision parameter you can define the revision level and generate a history of all revisions. Revision histories can be exported to Excel.



Coloring symbols (11.0.0.0)

The setting options for inspection characteristics are expanded. Each created inspection characteristic can be colored. You can use the checkbox to set whether all inspection characteristics added from this point onwards are colored in this color.



More columns available for Excel export (11.0.0.0)

Please note: Inspect is a module of the products Startup TOOLS, GENIUS TOOLS Parameter and GENIUS TOOLS Library. Inspect 3D is a module of the new product GENIUS TOOLS MBD for ISO-GPS.

New columns are available for Excel export. As usual, the text in the Excel comment for report parameters must consist of the component abbreviation *gti:* and a keyword.

Comment text	Column name
gti:gtol_datum_references	Datum references
gti:gtol_left_text	Left text
gti:dim_value_text	Dimension text
gti:gtol_top_text	Top text

Comment text	Column name
gti:gtol_right_text	Right Text
gti:gtol_value	Tolerance value
gti:gtol_bottom_text	Bottom text

Please note: These columns are supported as of Creo version 9 and higher.

Displaying prefixes for inspection characteristics in the annotation tree (11.0.0.0)

Inspect Editor was extended for the module *Inspect 3D* to include the tab *GT MBD*. In addition, exclusive settings can be made here for 3D models that are executed via *Inspect 3D*.

Inspection characteristics on parts and assemblies can be displayed in the annotation tree with an additional description. The inspection characteristics are displayed in the model as they were specified in the Editor. An additional prefix can be displayed in the annotation tree, e. g. NO_.

In drawing mode, the settings made here are not read and have no effect.

Defining exceptions for positioning (11.0.1.0)

You can define exceptions for *placement by previous selection* and *automatic placement* to exclude target elements with certain phrases from placement. The configuration option `gti_placement_exception_rule` has been implemented to define and apply the exceptions. You can enter the following exceptions:

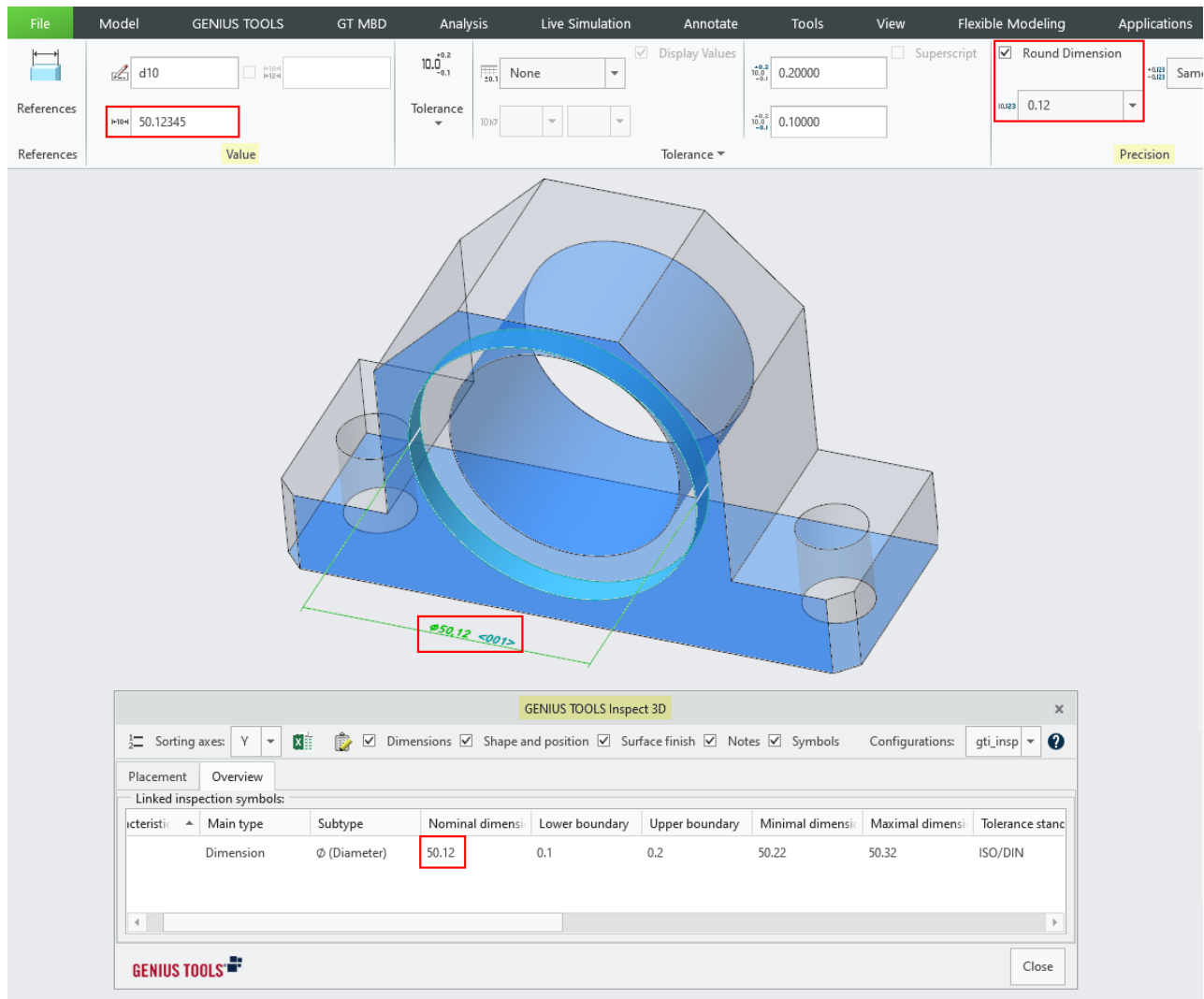
- Any text, can be described by Regular Expressions
- Creo special characters (via copy and paste from Creo Parametric)

The configuration option `gti_placement_exception_rule` has no default setting, so no target elements are excluded by default.

Displaying rounded dimensions in the overview table (11.0.1.0)

Rounded measurements are also displayed as rounded measurements in the GENIUS

TOOLS Inspect overview table, instead of with all decimal places as before.





Dimension display in the Creo ribbon menu "Dimension" and in GENIUS TOOLS Inspect

Automatic insertion only for displayed dimensions (11.0.1.0)

When dimensions are automatically inserted, hidden dimensions are ignored so that only displayed dimensions receive an inspection symbol. You can choose to unhide hidden dimensions and stamp them as visible dimensions.

Inspection symbols for drawing table cells (11.0.1.0)

In drawing tables, you can manually link inspection symbols to drawing table cells.


GENIUS TOOLS Inspect - Merkmalsreport (kurz)						
Nr.	Blatt	Raster	Haupttyp	Untertyp	Nennmaß	Minimum
001	1	A3	Form und Lage	// (Parallelität)		
002	1	B4	Form und Lage	 (Gesamtrundlauf)		
003	1	B4	Form und Lage	 (Gesamtrundlauf)		
004	1	B2	Maß	↔ (Abstand)	22 (033)	22
005	1	B5	Maß	↔ (Abstand)	3.5	3.5

Example of a linked inspection symbol within a drawing table cell


Linked placement by previous selection (11.0.1.0)

In addition to the *simple linked placement* that has already been implemented, *linked placement by previous selection* is possible. You can use this feature in the following ways:

– Linked placement by previous selection (single elements):

Select one or more elements in the model. Under *Auto Placement Filter*, mark the checkboxes for the inspection symbols you want to add. You can then automatically insert inspection symbols by clicking the button . These inspection symbols will be attached to the target item with equal alignment.

– Linked placement by previous selection (multiple elements):

Select multiple elements or an area in the model. Under *Auto Placement Filter*, mark the checkboxes for the inspection symbols you want to add. Then you can automatically insert inspection symbols by pressing the button . Inspection symbols will be linked to all dimensions in the selection. These inspection symbols will be attached to the target item with equal alignment.

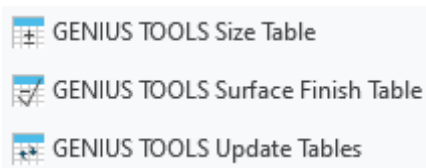
Customizing the formatting of the report table (11.0.1.0)

When you create your own report table, you can customize the formatting of the columns: In the first empty value row, set the formatting you want to use, e. g., center-aligned instead of left-aligned.

2.5 GENIUS TOOLS MBD Tables

New module „MBD Tables“ (11.0.1.0)

The new module *MBD Tables* is implemented as part of GENIUS TOOLS MBD for ISO-GPS.



Module overview in the tab *GT MBD*

The module consists of two submodules and one extra feature:

Submodules:

- GENIUS TOOLS MBD Surface Finish Table¹⁸
- GENIUS TOOLS MBD Tolerance Table¹⁸

Extra feature:

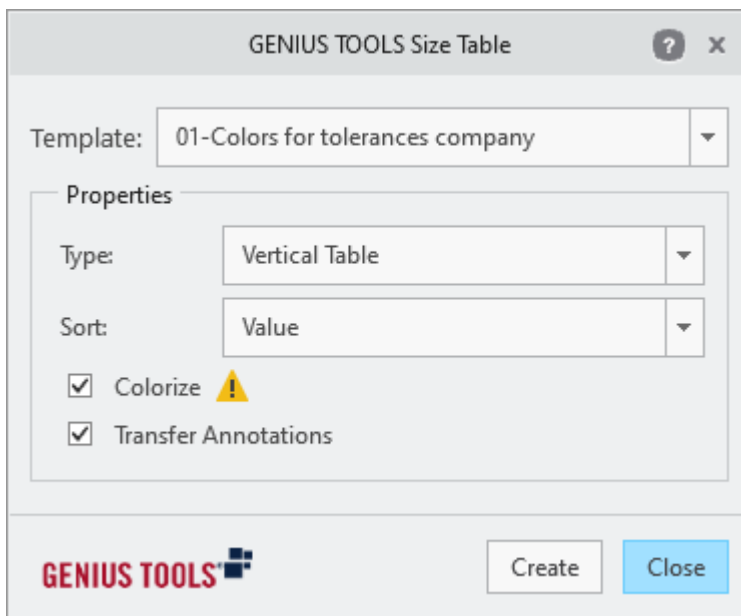
- GENIUS TOOLS MBD Tables Update

This command updates all existing MBD tables. No new window is opened during the update. The model is regenerated with the update and a corresponding message appears in the Creo message log.

New module „MBD Tables“: Submodule „Size Table“ (11.0.1.0)

The new submodule *Size Table* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

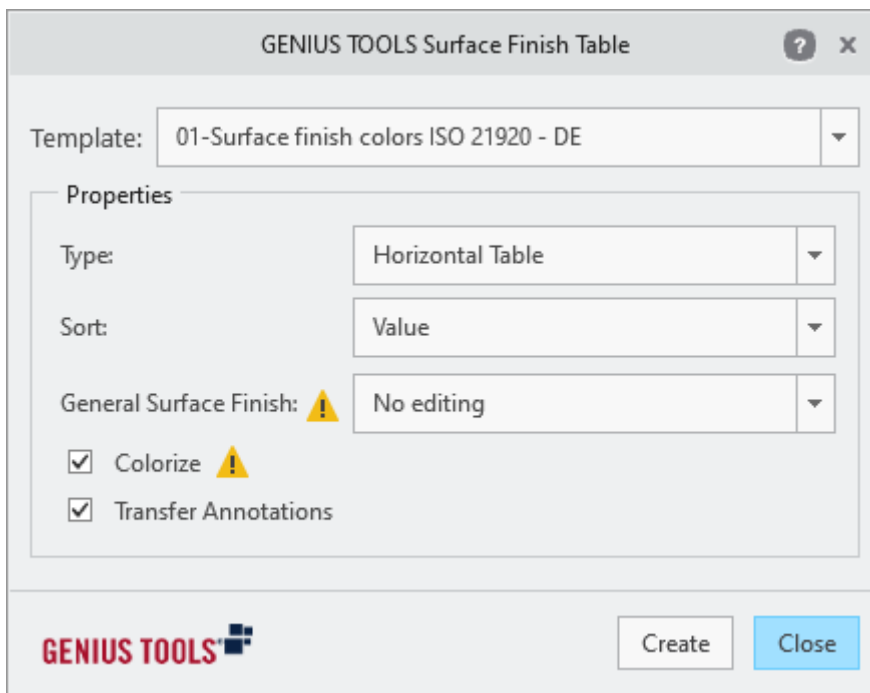
Size Table allows you to create various types of size tables for parts.



New module „MBD Tables“: Submodule „Surface Finish Table“ (11.0.1.0)

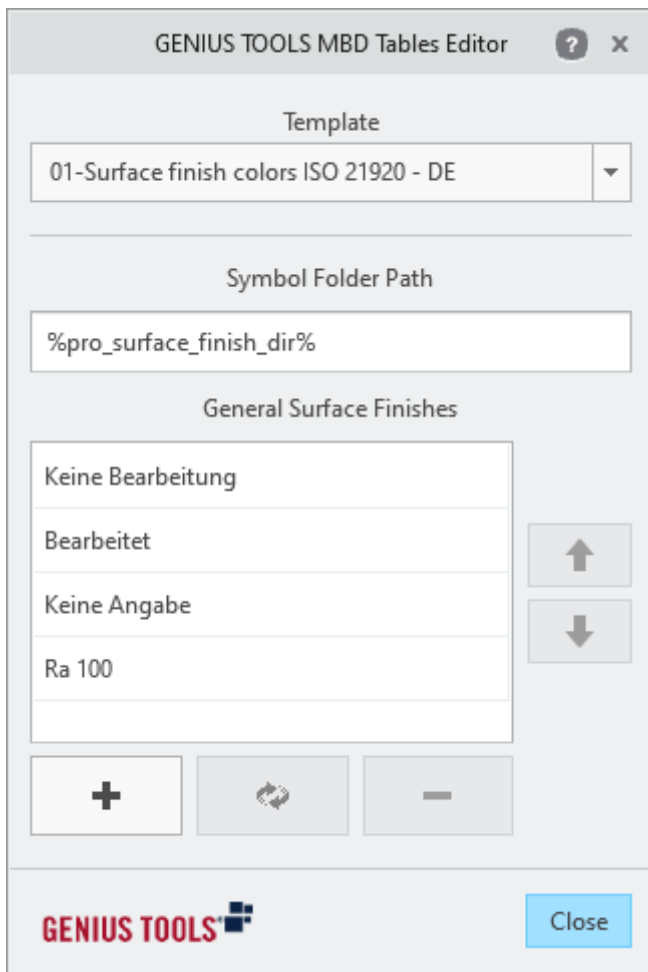
The new submodule *Surface Finish Table* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

Surface Finish Table allows you to create various types of surface finish tables for 3D models.



The screenshot shows the 'GENIUS TOOLS Surface Finish Table' dialog box. It has a title bar with a question mark icon and a close button. The main area contains a 'Template:' dropdown menu set to '01-Surface finish colors ISO 21920 - DE'. Below this is a 'Properties' section with three dropdown menus: 'Type:' set to 'Horizontal Table', 'Sort:' set to 'Value', and 'General Surface Finish:' set to 'No editing' (with a yellow warning icon). At the bottom of the 'Properties' section are two checked checkboxes: 'Colorize' (with a yellow warning icon) and 'Transfer Annotations'. The bottom of the dialog features the 'GENIUS TOOLS' logo, a 'Create' button, and a 'Close' button.

You can edit table templates with *GENIUS TOOLS MBD Tables Editor*.



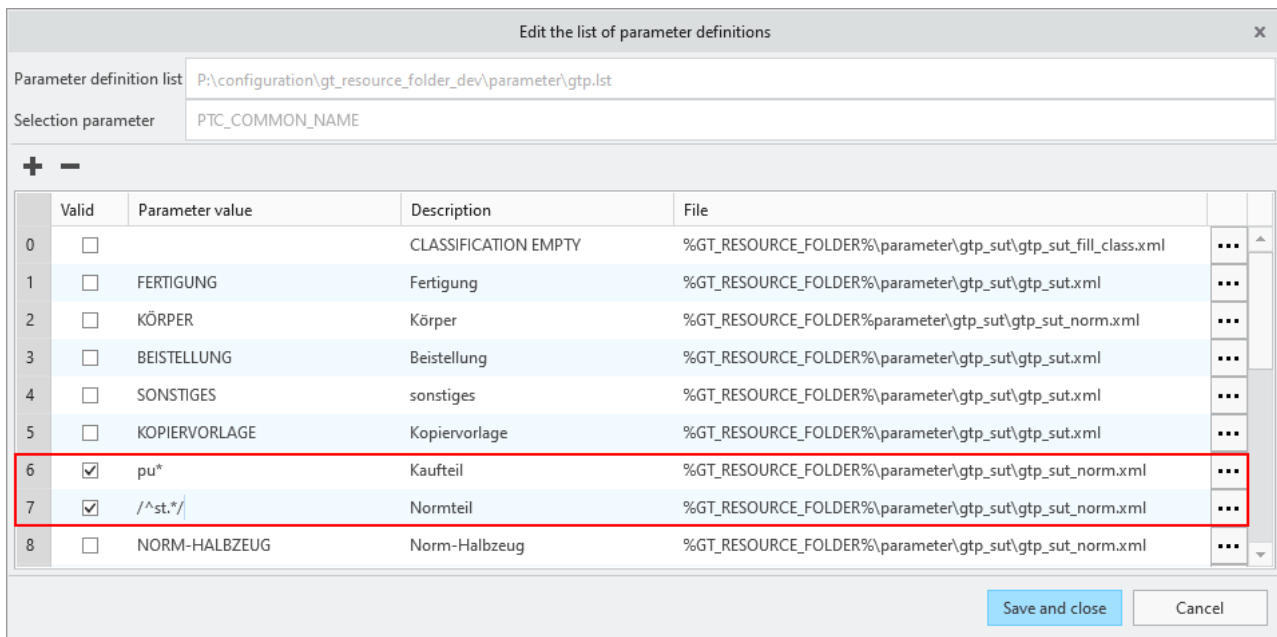
2.6 GENIUS TOOLS Parameter

Parameter values can be entered as wildcards and regular expressions (11.0.1.0)

In addition to fixed parameter values, you can use wildcards and regular expressions. The definition to be loaded is dynamically created using this formulation.

The following figure shows an example of a wildcard (line 6) and a regular expression (line 7).

- Wildcard `pu*`: All models whose `PTC_COMMON_NAME` starts with `pu` are classified as purchased parts.
- Regular Expression `/^st.*:/`: All models whose `PTC_COMMON_NAME` starts with `st` are classified as standard parts.



Example setting with wildcard and regular expression

2.7 GENIUS TOOLS Utilities

Utilities – New function „Annotation Info“ (11.0.0.0)

The new function *Annotation Info* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

The module *Annotation Info* is used to display information about all types of annotation elements in combined views. This module lists non-visible information to help you find errors and redundancies. Annotation elements can be displayed in parts, assemblies and in multi-body models. It is an information module only and cannot be used to edit annotations.

Annotation Info is available in part mode and assembly mode with these features:

1. Viewing occurrence and frequency of annotations in a clear and concise table format
2. Finding annotations and thus dependencies that are not visible in any combined state

Use the following modules to further process the information obtained with *Annotation Info*:

- to manage combined views, see *Function Manager*¹¹
- to sort annotations alphabetically, see *Sort Combined Views*²⁶
- to transfer annotations, see *Annotation Transfer*²²

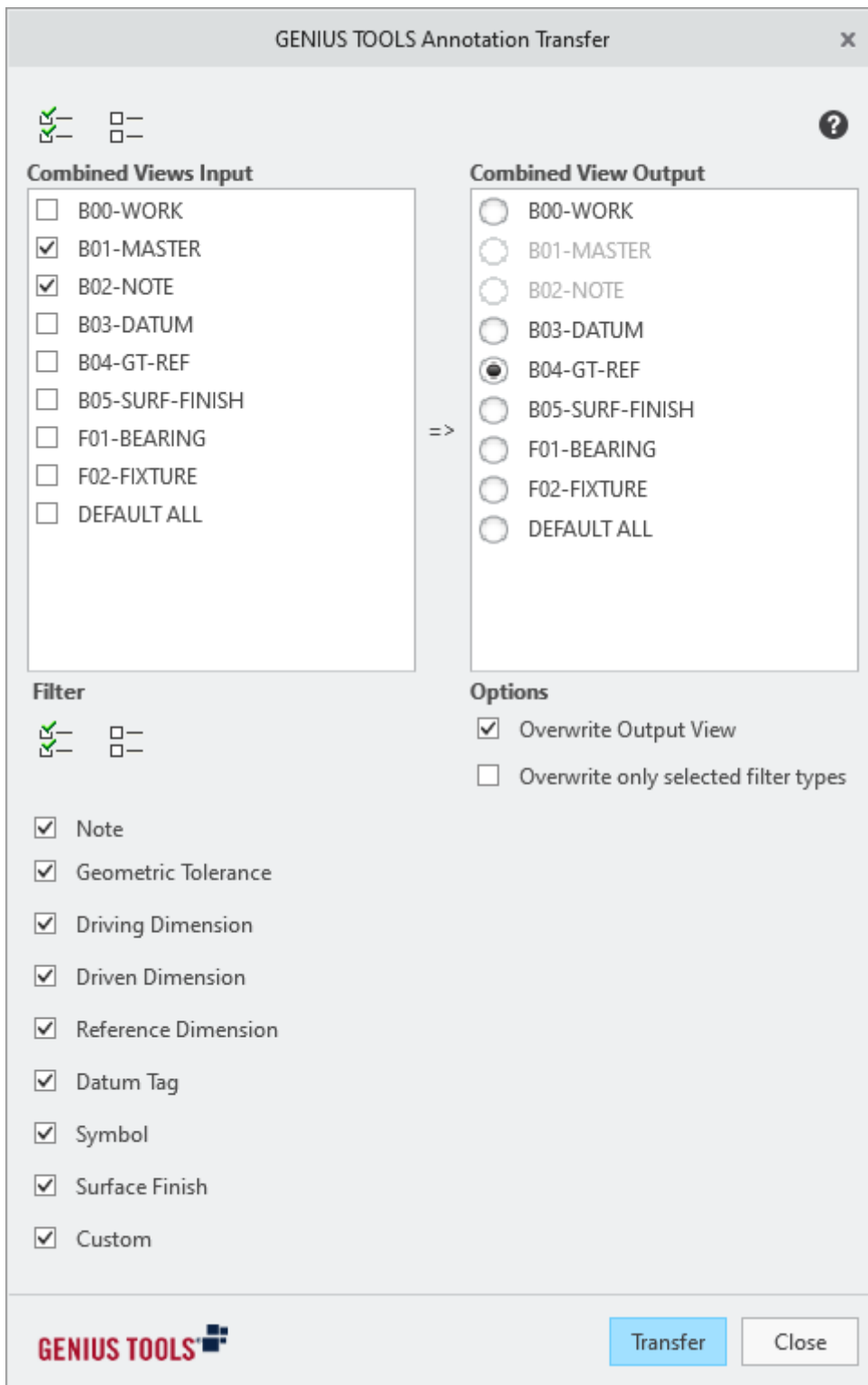
GENIUS TOOLS Annotation Info						
<div> <div> <div></div> <div></div> </div> <div> <div>0</div> <div>x</div> </div> <div>sort by: Elements</div> </div>						
Elements	Visibility	Combined Views	Semantic	Value	Type	Tolerance
▼ Driven Dimension (3 2)						
ad31	1	F02-FIXTURE	T	18	General	+0.2 / -0.2
ad32	0		T	40	General	+0.3 / -0.3
ad39	0		T	60	General	+0.3 / -0.3
▼ Driving Dimension (15 0)						
DRV_DIM_D0 - d0	2	B01-MASTER F01-BEARING	T	36	General	+0.3 / -0.3
DRV_DIM_D1 - d1	2	B01-MASTER F01-BEARING	T	60	General	+0.3 / -0.3
DRV_DIM_D10 - d10	3	B02-DATUM B03-GT-REF F01-BEA	✓	50	Plus-Minus	+0.2 / +0.1
DRV_DIM_D11 - d11	1	F01-BEARING	T	5	General	+0.1 / -0.1
DRV_DIM_D12 - d12	2	B03-GT-REF F02-FIXTURE	✗	12	Symmetric	±0.5
DRV_DIM_D14 - d14	1	F02-FIXTURE	T	40	General	+0.3 / -0.3
DRV_DIM_D2 - d2	1	F01-BEARING	T	15	General	+0.2 / -0.2
DRV_DIM_D27 - d27	1	F01-BEARING	T	2.5	General	+0.1 / -0.1

Utilities – New function „Annotation Transfer“ (11.0.0.0)

The new function *Annotation Transfer* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

You can use the module *Annotation Transfer* to transfer annotations from one or more combined views to another combined view.

The user interface provides the following transfer options:

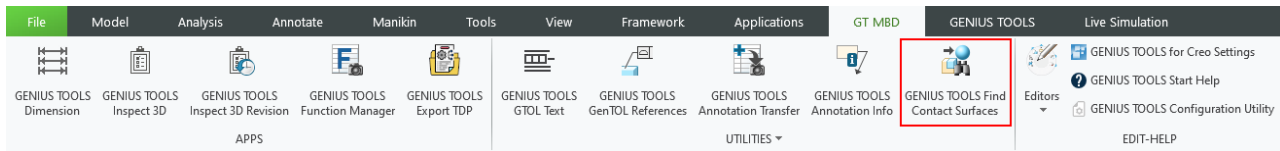


Utilities – New function „Find Contact Surfaces“ (11.0.0.0)

The new function *Find Contact Surfaces* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

The function *Find Contact Surfaces* is a pure analysis tool that searches for the adjacent surfaces to a surface (= contact surfaces). These contact surfaces depend on the assembly

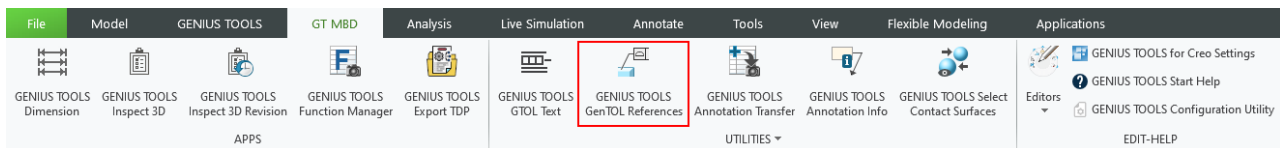
in which the part is used. Open *Find Contact Surfaces* and then click on the surface you want to find the contact surfaces for. The function *Select Contact Surfaces*²⁵ is the equivalent to *Find Contact Surfaces* in part mode. Use *Select Contact Surfaces* to view the found contact surfaces and select and color them as desired.



Utilities – New function „General Tolerances References“ (Version 11.0.0.0)

The new function *General Tolerances References* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

The module *GenTol References* [abbreviation for *General Tolerances*] references all available surfaces to the general tolerance. The number of referenced surfaces is listed in the message log.

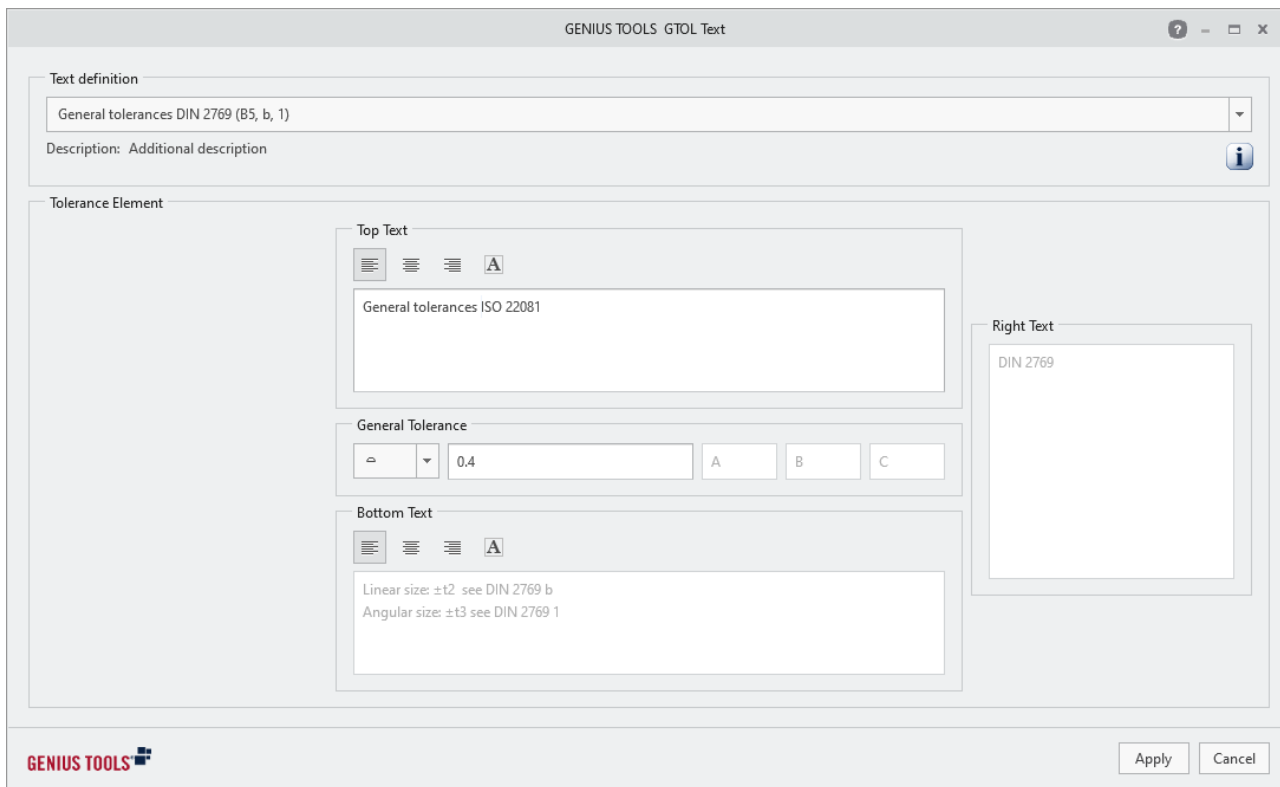


New module „GTOL Text“ (11.0.0.0)

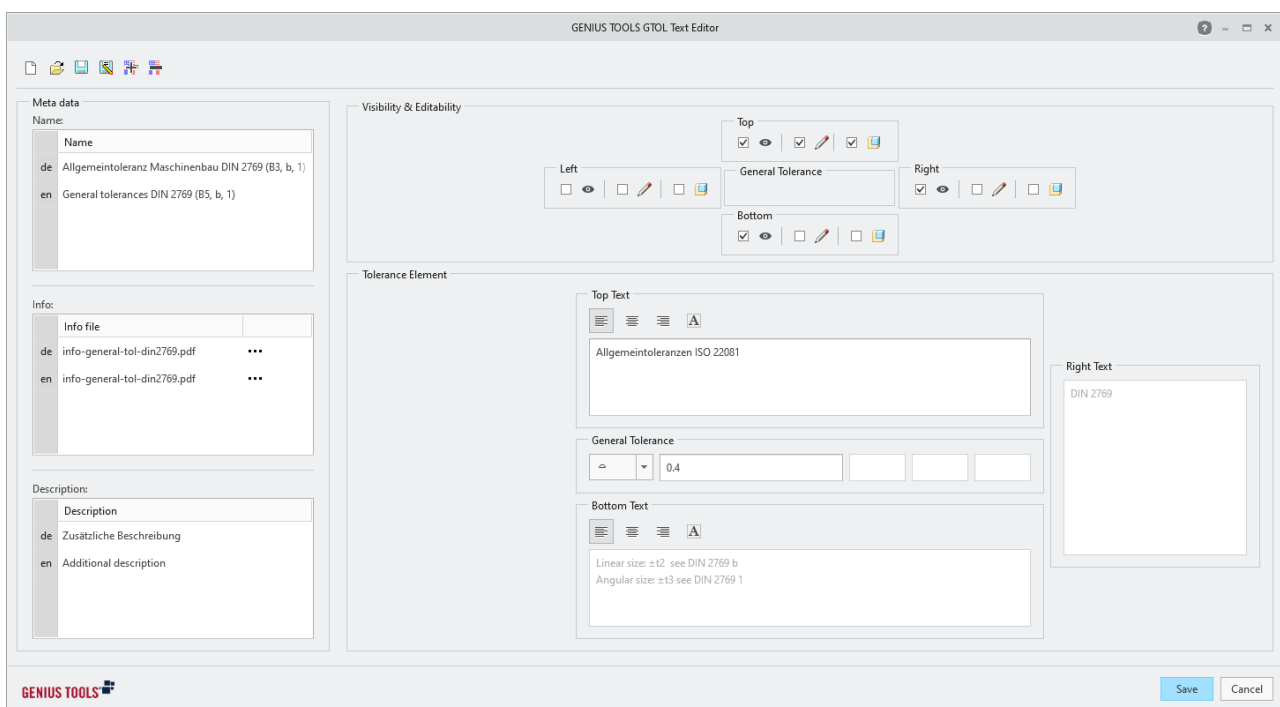
The new function *GTOL Text* including *GTOL Text Editor* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

Use *GTOL Text* allows to edit texts of existing shape and position tolerance annotations. Set up templates for these texts and links to more information using the *GTOL Text Editor*.

The module *GTOL Text* is available with the following user interface:



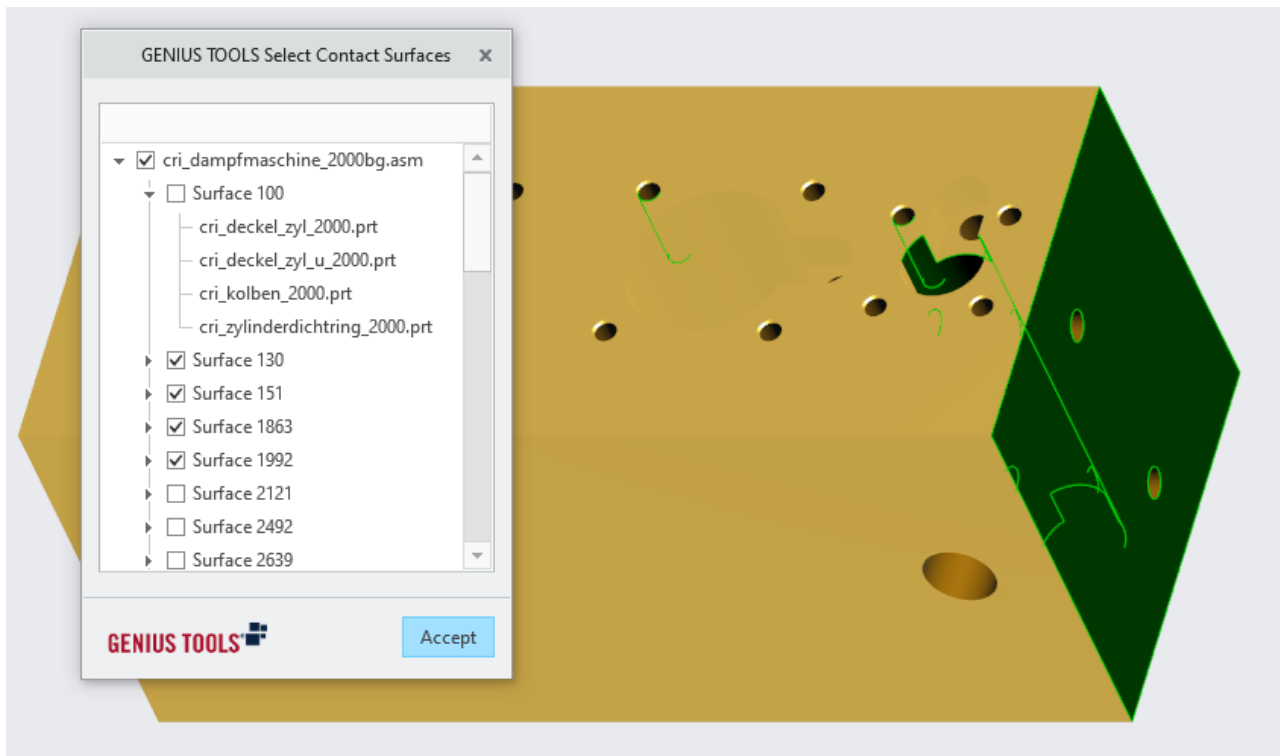
GTOL Text Editor also allows you to edit templates by language:



Utilities – New function „Select Contact Surfaces“ (11.0.0.0)

The new function *Select Contact Surfaces* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

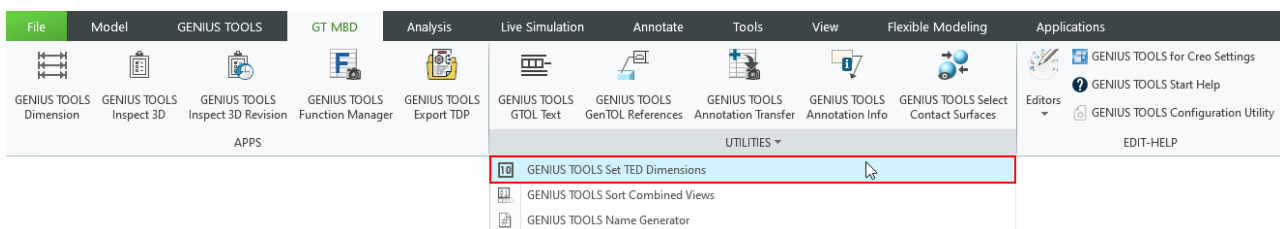
After *searching for a part's contact surfaces*¹²³, the identified contact surfaces can be viewed and selected with *Select contact surfaces* and colored with *Function Manager*¹¹.



Utilities – New function „Set TED Dimensions“ (11.0.0.0)

The new function *Set TED Dimensions* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

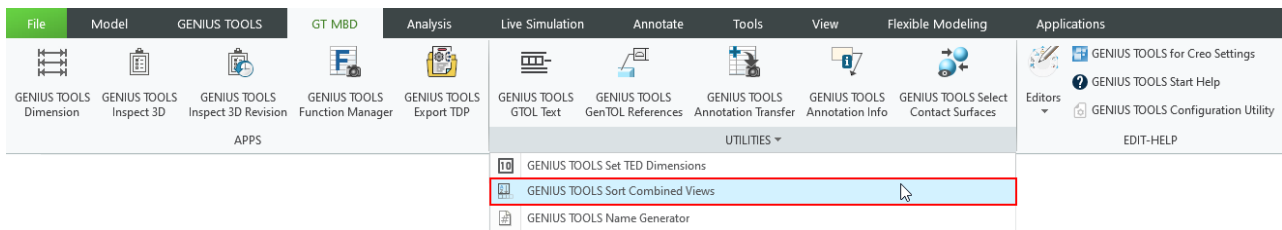
Use *Set TED Dimensions* to set TEDs (Theoretically exact dimensions) in a part / an assembly.



Utilities – New function „Sort Combined Views“ (11.0.0.0)

The new function *Sort Combined Views* is introduced with *GENIUS TOOLS MBD for ISO-GPS*.

Use *Sort Combined Views* to sort combined views alphabetically and automatically display them in the new order.

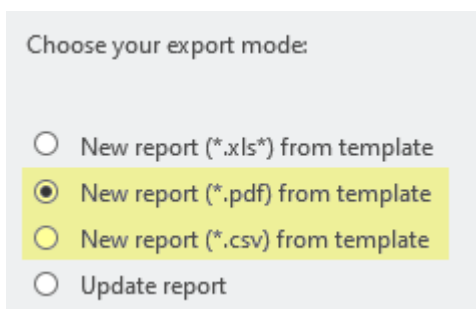


Utilities – Extend Relations: Converting dot to comma (Version 11.0.0.0)

The function `GT_DoubleToString(Wert, "%[BREITE] [.PRÄZISION] [f]")` is expanded by a third, optional position to `GT_DoubleToString(Wert, "%[BREITE] [.PRÄZISION] [f]", ",")`. If necessary, a comma can be entered in this location to display a comma instead of a point in the result.

Utilities – Export Table to Excel: New export modes (Version 11.0.0.0)

In *Export Table to Excel*, new selection options are available for the export mode:

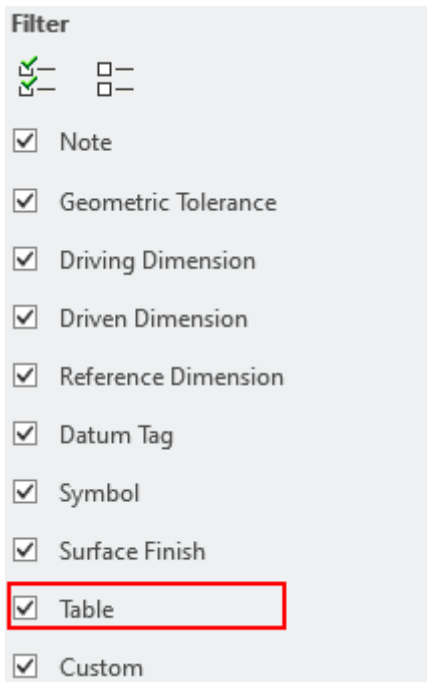


New report (*.pdf) from template: This option fills a PDF template with the contents of a drawing table or a report table and saves the new PDF document.

New report (*.csv) from from template: This option fills a CSV template with the contents of a drawing table or a report table and saves the new CSV document.

Utilities – Annotation Transfer: Transferring tables (11.0.1.0)

3D tables created with the newly implemented module *MBD Tables* can be transferred with *Annotation Transfer*. For this purpose, a selection box is available under *Filter*.



Utilities – Annotation Info: Exporting the overview table (11.0.1.0)

The information listed in the utility *Annotation Info* can be filtered using several commands. These filter options have been modified and extended to include the following commands:



Show only invisible annotations

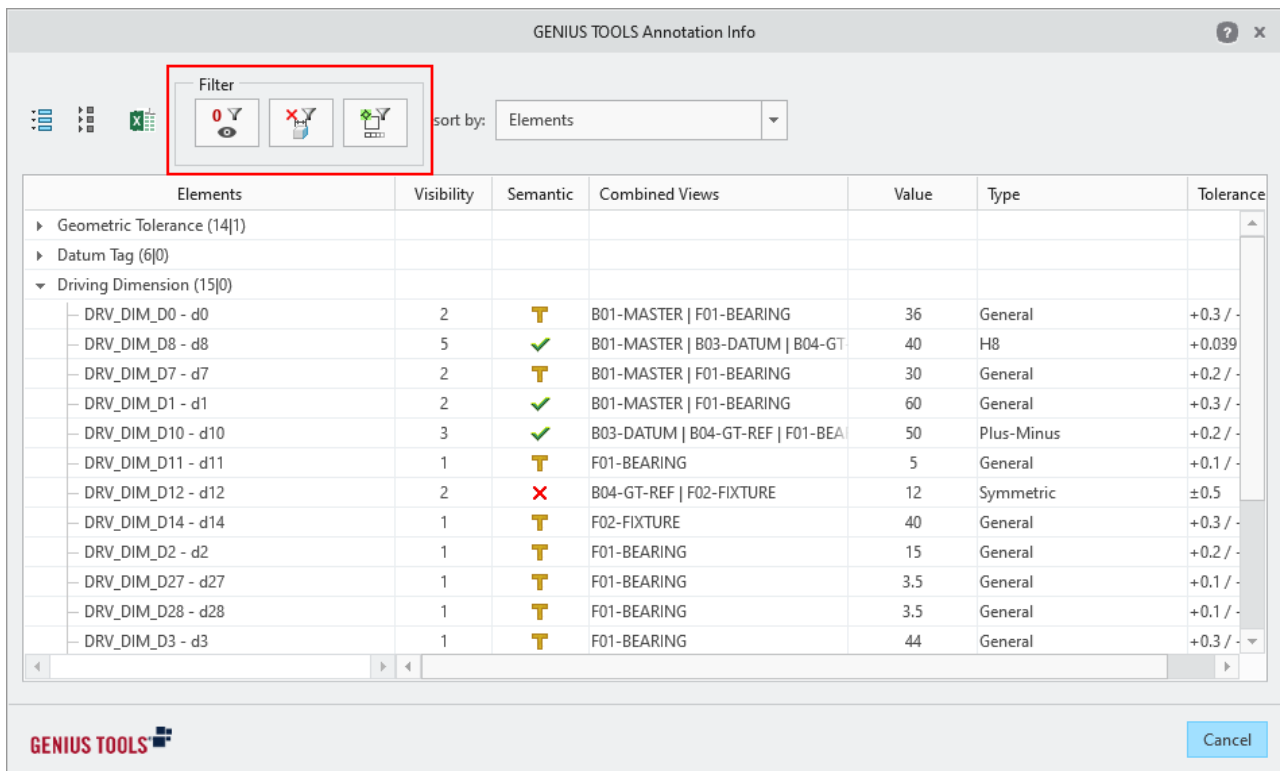


Show only annotations without semantics



Show only annotations from the active combined view

Filters can be combined.



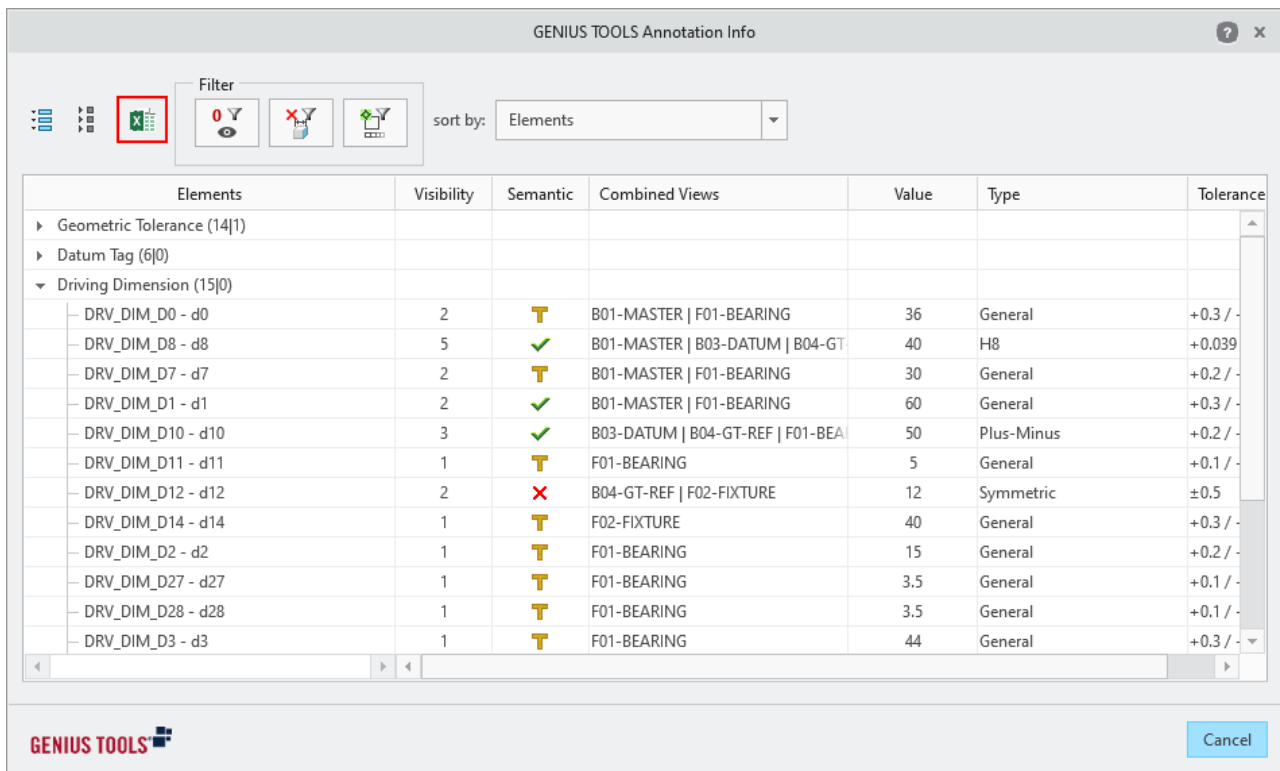
Display of the filter commands in the user interface of Annotation Info

Utilities – Annotation Info: Exporting the overview table (11.0.1.0)


The information listed in the utility *Annotation Info* can be exported as a table using the command *Export to Excel* . Possible file formats: Excel, PDF and CSV.

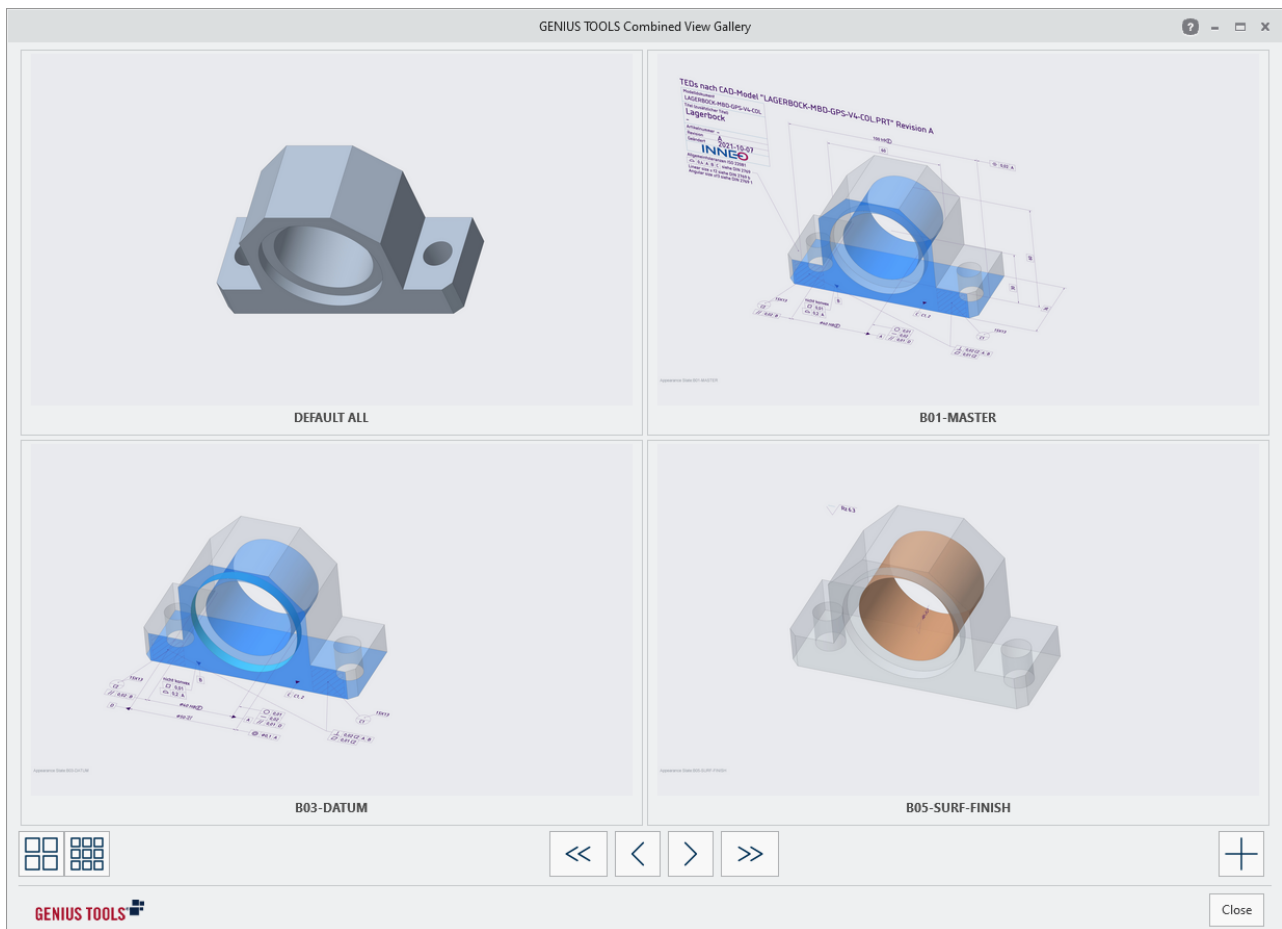
The annotations to be exported are defined in a template. The name of the export template is stored in the configuration option `gtu_annotation_info_excel_template`.
Default: `gtu_annotation_info_template_de_en.xlsx`

The path to the template is stored in the existing configuration option `gtu_table_to_excel_template_folder`. Default: `%gt_resource_folder%\utilities\table_to_excel\`



Utilities – New function „Combined View Gallery“ (11.0.1.0)

GENIUS TOOLS Combined View Gallery  allows you to view, compare and browse through all combined views available in a model.



3 Configuration options

The following configuration options have been added, changed or deleted since version 11.0.1.0.

3.1 New configuration options (11.0.1.0)

All modules: New configuration options

gt_start_mbd_tables

Defines whether GENIUS TOOLS MBD Tables can be started by users. (0 - No, 1 - Yes).
Default: 1

gt_rest_sso_connector

Defines the login program to be used for the single sign-on login. Default:
"GT_SSO_Proxy.exe"

The new configuration options are used to control the collection of telemetry data., see Recording Telemetry Data.

gtu_start_usage_logger

Defines whether the usage logger is active. (0 - No, 1 - Yes) Default: 0

gt_send_telemetry_data

Defines whether anonymized telemetry data is sent to INNEO Solutions GmbH. Default: %GT_TELEMETRY%

GENIUS TOOLS MBD for ISO-GPS: New configuration option

gt_mbd_allow_active_combstate_activation

Defines the behavior of the current orientation (camera position) of the model when an already active combined view is activated again.

Default: 0

0 - Orientation will be maintained.

1 - The orientation will be reset as defined in the combined view.

This applies to all GENIUS TOOLS MBD for ISO-GPS tools, that can activate combined views.

Assembly Report: New configuration options

gta_wt_part_attribute_name

Defines an attribute to find the WTPart that contains the product structure. Default: *Number*

gta_wt_part_attribute_value

Defines an attribute value to find the WTPart that contains the product structure. Default: *%PTC_WM_PART_NUMBER%*

gta_wt_part_by_attribute

Defines whether the associated WTPart is searched for using attribute (1) or by owner (0). Default: 0

gta_wt_part_pos_attribute_name

Defines an attribute of a WTPart that represents the position. Default: *LineNumber*

Inspect / Inspect 3D: New configuration options

gti_activate_simple_linked_auto_placement

Defines whether the symbol will be automatically placed during "Simple linked insertion". (0 - No, 1 - Yes) Default: 1

gti_placement_exception_rule

Defines a rule, in form of a regular expression, to ignore target elements when placing. Default: No setting

Please note: Creo special characters can be entered in this configuration option. The special characters must be copied and pasted from Creo Parametric into GENIUS TOOLS Configuration Utility. The special characters are usually not resolved, but the filter still works.

MBD Tables: New configuration options

gtmtab_color_checked

Defines whether colorization is activated by default for MBD Tables. (0 - No, 1 - Yes) Default: 1

gtmtab_display_all_size_dimensions

Defines whether the Size Table includes all toleranced dimensions, or just the fit dimensions. Default: 1

0 - Fit dimensions

1 - All dimensions

gtmtab_sizeTab_color_folder

Defines the path to the color codings for the Size Table. Default: %gt_resource%
mbdTables\sizeTable\

gtmtab_sort_size_table_by

Defines the sorting of the Size Table. Default: 1

0 - None

1 - Dimension value

2 - Tolerance range

gtmtab_sort_surffin_table_by

Defines the sorting of the Surface Finish Table. Default: 1

0 - None

1 - Roughness

gtmtab_surfTab_color_folder

Defines the path to the color codings for the Surface Finish Table. Default: %gt_resource%
mbdTables\surfFinTable\

gtmtab_transfer_checked

Defines whether annotation transfer is enabled by default for the MBD Tables. (0 - No, 1 - Yes) Default: 1

Utilities: New configuration options

Annotation Info

gtu_annotation_info_excel_template

Defines the name of the basic Excel template. Default:
gtu_annotation_info_template_de_en.xlsx

Export Table to Excel

gtu_start_combined_view_gallery

Defines whether GT Combined View Gallery can be started by users. (0 - No, 1 - Yes)
Default: 1

gtu_start_gen_tol_references

Defines whether GENIUS TOOLS GenTOL References can be started by users. (0 - No, 1 - Yes) Default: 1

gtu_table_to_excel_export_rule_sheet

Defines whether to report the rule worksheet as well. (0 - No, 1 - Yes) Default: 1

gtu_table_to_excel_rule_sheet_name

Defines the name of the rule worksheet. Default: Rules