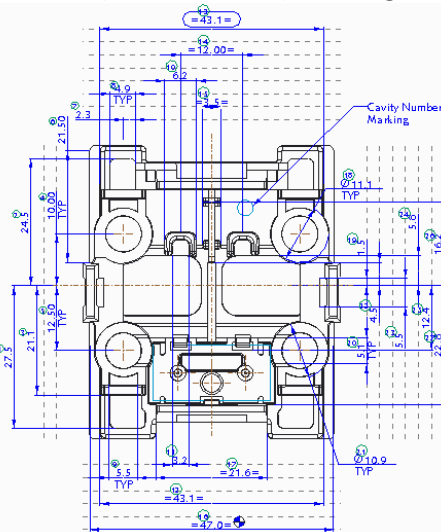


# Inspection Report

## Application Overview / Market Segment Introduction:

Inspection Report is an add-on application developed for Creo (Pro/ENGINEER) that automatically collects, manages and documents characteristics from Creo (Pro/ENGINEER) for use in the Inspection process. It collects all type of dimensions (d#, ad#, add#, dd#), Geometric Tolerance & Annotation note and its details from Creo (Pro/ENGINEER) drawing file irrespective of the way it is created (from 3D Model / 2D Drawing) and displays it in a MS Excel file and also creates a balloon in the Creo (Pro/ENGINEER) Drawing file.



S. No	View Name	Dimension Zone	Dimension	Tol. (+)	Tol. (-)	Dimension Type	Cat	Inspection Method	Max. Limit	Min. Limit	Tol. Range
1	new_view_1	1/C2	27.5	0.17	-0.17	Linear	Minor		27.67	27.33	0.34
2	new_view_1	1/C2	24.5	0.17	-0.17	Linear	Minor		24.67	24.33	0.34
3	new_view_1	1/C2	41.1	0.15	-0.15	Linear	Minor		21.25	20.95	0.3
4	new_view_1	1/C2	10.0	0.11	-0.11	Linear	Minor		10.11	9.89	0.22
5	new_view_1	1/C2	12.5	0.13	-0.13	Linear	Minor		12.63	12.37	0.26
6	new_view_1	1/D2	21.5	0.15	-0.15	Linear	Minor		21.65	21.35	0.3
7	new_view_1	1/D2	2.3	0.09	-0.09	Linear	Minor		2.39	2.21	0.18
8	new_view_1	1/D2	4.9	0.1	-0.1	Linear	Minor		5	4.8	0.2
9	new_view_1	1/D2	5.5	0.1	-0.1	Linear	Minor		5.6	5.4	0.2
10	new_view_1	1/D2	6.2	0.11	-0.11	Linear	Minor		6.31	6.09	0.22
11	new_view_1	1/D2	5.2	0.1	-0.1	Linear	Minor		5.3	5.1	0.2
12	new_view_1	1/D2	43.1	0.24	-0.24	Linear	Minor		43.34	42.86	0.48
13	new_view_1	1/D1	43.1	0.24	-0.24	Linear	Major		43.34	42.86	0.48
14	new_view_1	1/D1	12.0	0.13	-0.13	Linear	Minor		12.13	11.87	0.26
15	new_view_1	1/D1	5.5	0.1	-0.1	Linear	Minor		5.6	5.4	0.2
16	new_view_1	1/B1	47.0	0.24	-0.24	Linear	Minor		47.24	46.76	0.48
17	new_view_1	1/B1	21.6	0.15	-0.15	Linear	Minor		21.75	21.45	0.3
18	new_view_1	1/C1	11.1	0.13	-0.13	Diameter	Minor		11.23	10.97	0.26
19	new_view_1	1/C1	1.5	0.09	-0.09	Linear	Minor		1.59	1.41	0.18
20	new_view_1	1/C1	5.1	0.1	-0.1	Linear	Minor		5.2	5	0.2
21	new_view_1	1/B1	10.9	0.13	-0.13	Diameter	Minor		11.03	10.77	0.26
22	new_view_1	1/C1	4.5	0.1	-0.1	Linear	Minor		4.6	4.4	0.2
23	new_view_1	1/C1	5.5	0.1	-0.1	Linear	Minor		5.6	5.4	0.2
24	new_view_1	1/C1	5.8	0.1	-0.1	Linear	Minor		5.9	5.7	0.2
25	new_view_1	1/C1	12.4	0.13	-0.13	Linear	Minor		12.53	12.27	0.26
26	new_view_1	1/C1	16.2	0.15	-0.15	Linear	Minor		16.35	16.05	0.3
27	new_view_1	1/C1	22.8	0.17	-0.17	Linear	Minor		22.97	22.63	0.34
28	new_view_30	2/D1	20.1	0.15	-0.15	Linear	Minor		20.25	19.95	0.3
29	new_view_30	2/B1	6.5	0.1	-0.1	Linear	Minor		6.6	6.4	0.2
30	new_view_30	2/C1	12.6	0.13	-0.13	Linear	Minor		12.73	12.47	0.26

## Current State (Without Application):

- User has to manually collect the each and every dimension & Geometric Tolerance and Annotation note details from each drawing sheets.
- By Manually, User need to type in MS Excel file.

## Negative consequences:

- User will consume more time to collect the details & prepare the MS Excel file.
- There is a chance of skipping the Dimension & Other details.
- There is a chance to get the typo, read, comparison error.

## Positive Business Outcome:

- **Speed** – One click solution to propagate necessary details from Engineering to Quality departments
- **Error Free** – Eliminates errors that can be otherwise caused by multiple interfaces including typos, read errors, comparison errors, etc.
- **Enhanced User Productivity** - Eliminate Designer/Creo User's non-productive (manual entries) activities, saving up to 90% of Inspection report preparation time
- **Standardization** – Standardization of Process as per company standards
- **Simplify Inspection tasks** – Inspection data no longer has to be manually transferred from Inspection drawings into Inspection reports or CMM offline programming systems
- **ROI** – quick Return on Investment (ROI) considering the significant time savings and reduced ECN's

**How it is better:**

- Works with PTC Creo (Pro/ ENGINEER) Base (Foundation) Licenses
- One-click solution that automatically determines and documents all Inspection characteristics from Creo (Pro/ENGINEER) drawings and models
- Works in conjunction with PTC Windchill/ PDM-Link or Intra-link
- Recognizes all types of Dimensions (d#, ad#, add#, dd#)
- Assigns a unique reference id (Index) number for each dimension and labels (balloon) them on the drawing as per requirement or company standard
- Customized spreadsheet (Excel) output as per requirement or company standard along with required parameter / attribute information
- Index Notes are in separate LAYER and hence easy to control their display

**Proof Points:**

These are the some of companies working with help of our Inspection Report.

- KOEL
- Dukane
- Havells
- Dietech India Pvt Ltd
- Alfanar
- TMS
- Imperial

For more info contact CADOpt Technologies Private Limited at: [info@CADOpt.com](mailto:info@CADOpt.com) or visit our website at [www.CADOpt.com](http://www.CADOpt.com)