

Moulding Drawing - Design Checking Sheet.


- 1) Enter the part number, revision and description of the part/assembly being checked with date of checking and your name.
- 2) Follow down the document marking the items with a tick or cross, adding any notes to reference marked up print or CreoView file.

Part No. _____ Revision: _____

Description: _____ Date: _____

Checked by: _____

#	Description	Checked (tick / cross)	Notes
	The following colours should be used to mark-up the print: blue for items that are correct; black for comments and errors that need not be changed; and, red for errors that must be changed.		CreoView can be used to markup drawing and save with CAD file in PDMLINK.
	PDMLINK		
1	All attributes are filled in correctly and model matches drawing and CoGPart .		
	Number and Filename match the part number. Name matches LONG_DESC_34		
	CREO		
2	Model is stable and any assemblies containing the part can regenerate successfully.		
	Are the components assembled using real world constraints?		
	Does the Design work?		
	Are clearances sufficient?		
	Are there any un-intended clashes (not designed)?		
	Refer to relevant tab of DFMA for guidelines		
3	Drawing border is filled in correctly.		

#	Description	Checked (tick / cross)	Notes
	Modification box filled in with drawing grid references & (R) Symbol indicating changes are shown.		
	(R) symbols from previous releases have been removed (MI mapkey finds all (R) symbols)		
	Modelled, Drawn and Dates correct.		
	Material and Finish filled in and if "SEE NOTES" is used, do the notes exist.		
	All Scales used is one of the preferred scales as per BS8888		
	All sheets checked?		
4	Relevant VIEWS are used to fully define the part.		
	For parts that are supplied as an assembly try to lay out the drawings so the views are oriented the same to make it easier to check parts.		
5	Notes are correct and relevant. Check spelling of all notes.		
6	General tolerance defined correctly.		
	2) ALL UNTOLERANCED DIMENSIONS ARE THEORETICALLY EXACT		
	ALL UNTOLERANCED FEATURES TO FALL WITHIN 		
7	Material correctly defined - use of correct standards.		
8	Mouldings - Wall thickness is constant (no thick/thin transitions.) - check the drawing note matches the model.		
9	Mouldings - Suitable Draft Angle defined.		
10	Mouldings - Date clock, material reference and recycling mark indicated on part and specified correctly .		
11	Mouldings - Component volume specified correctly.		
12	Mouldings - All relevant areas filleted.		

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13	Component finish specified.		
14	Standards referenced correctly.		
	13) DRAWN TO BS8888		
	SIZE ISO 14405 (E)		
15	Functional Datums exist, are relevant and correctly shown on the drawing (ref BS8888)		
16	Dimensions		
	All features are dimensioned and dimensions reference the functional Datums.		
	There are no duplicate dimensions, or they are set to REF		
	No dimension lines overlap		
17	GTOLS		
	Tolerance Frames are correct, i.e. Ø symbols for round or cylindrical and not for rectangular tolerance zones.		
18	Tolerances specified stack up with other parts in the assembly without clashes		
	Checked design documents such as o-ring calculations, tolerance analysis, etc.		
	Positional tolerances checked		
	Are PROJECTED TOLERANCE ZONES required?		
	O-ring calculations correct - refer to supplied calcs or check using ERIKS o-ring calculator		
	Barb Holes use correct dimensioning scheme and size?		

#	Description	Checked (tick / cross)	Notes