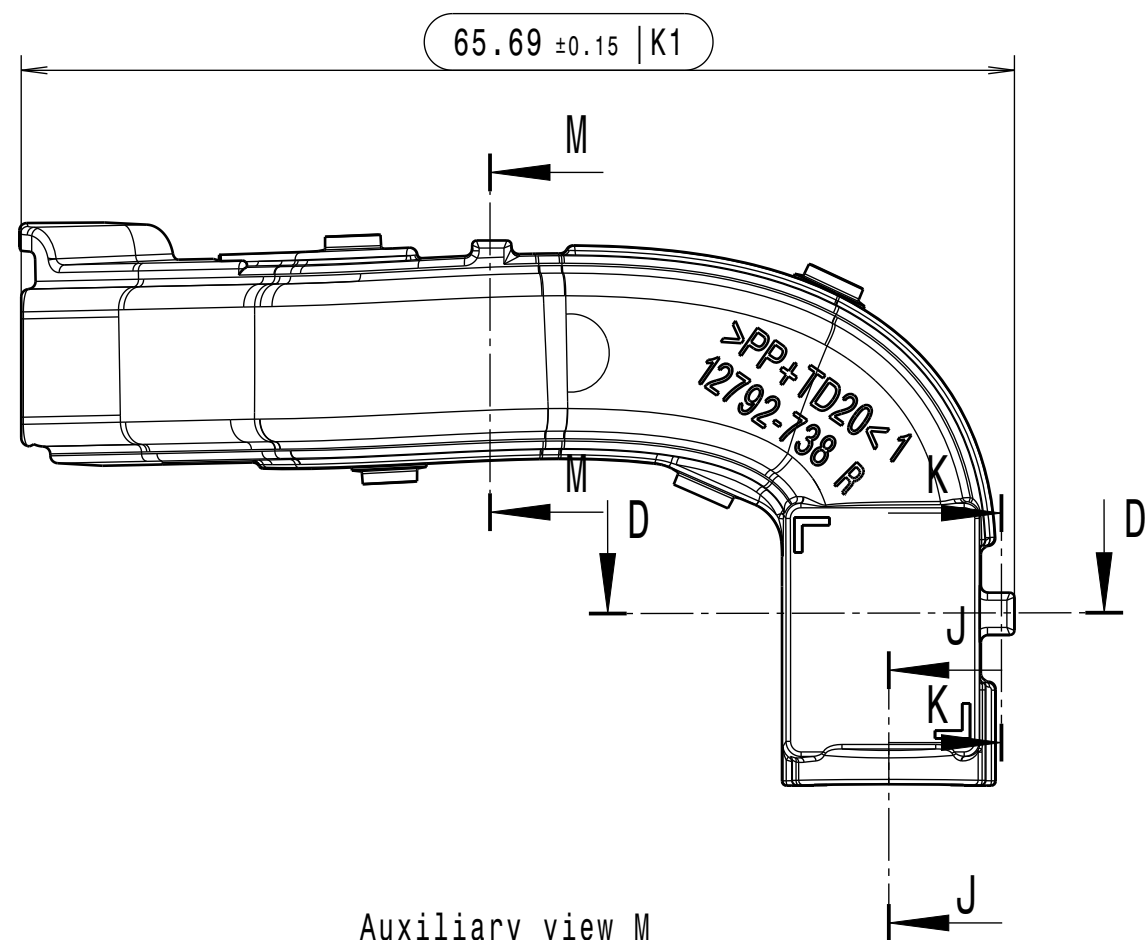
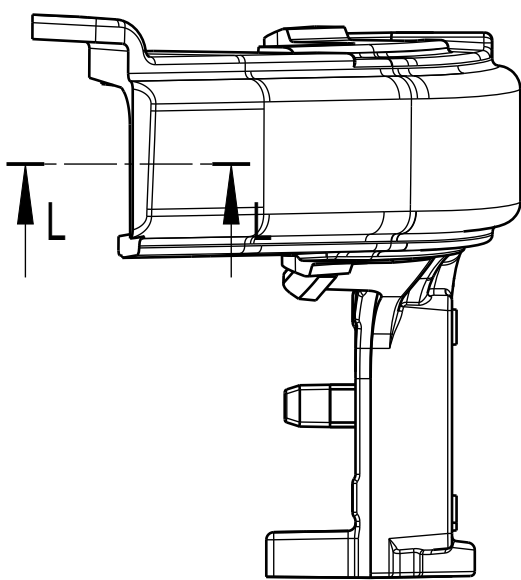


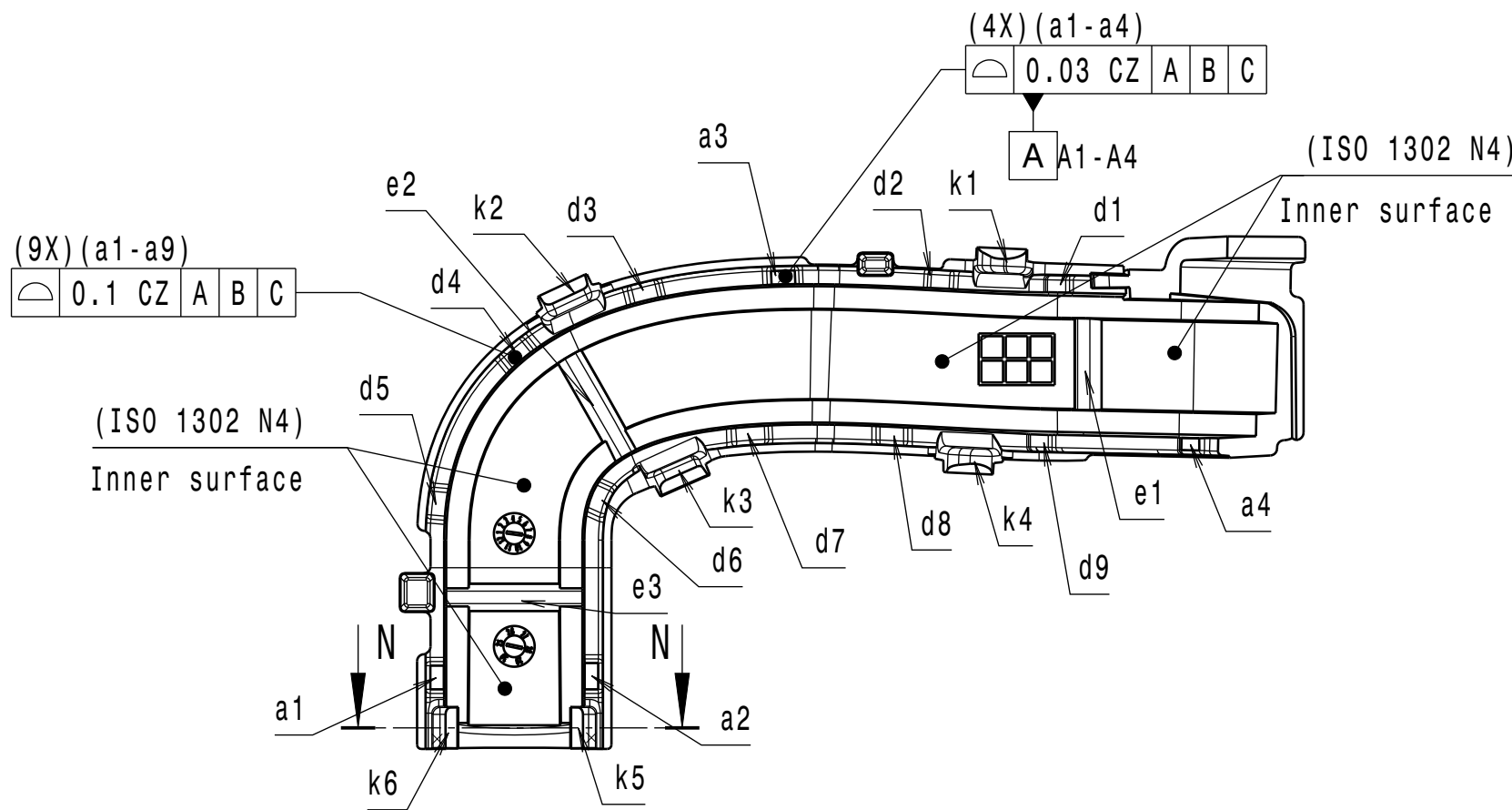
Light Guide Cover\_RH



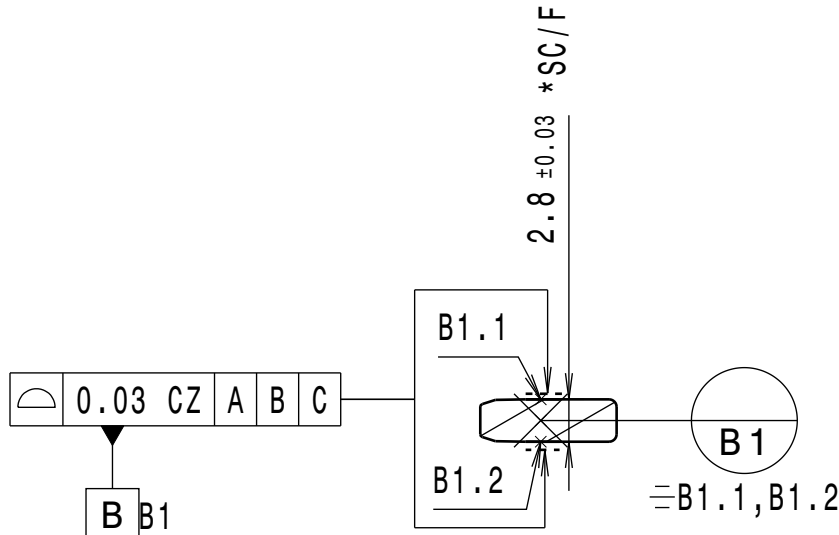
Auxiliary view M  
Scale: 2:1



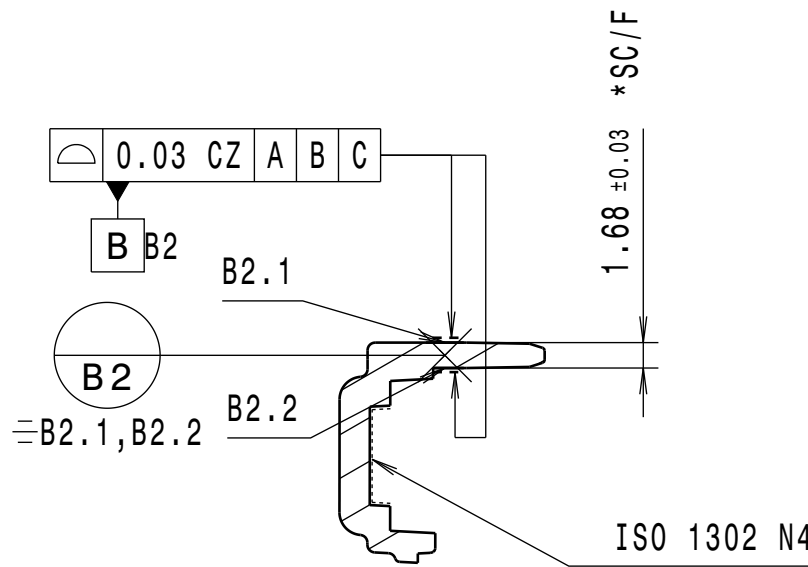
Auxiliary view N  
Scale: 2:1



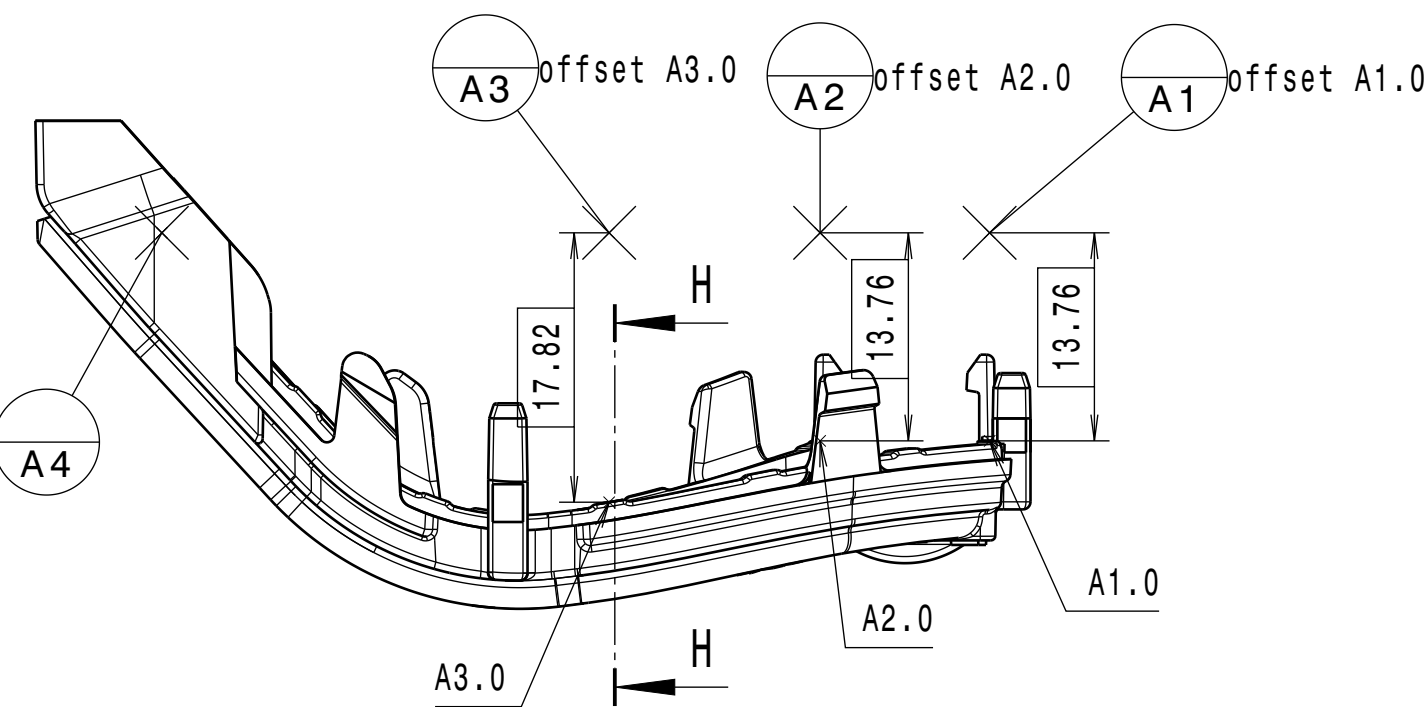
Rear view  
Scale: 2:1



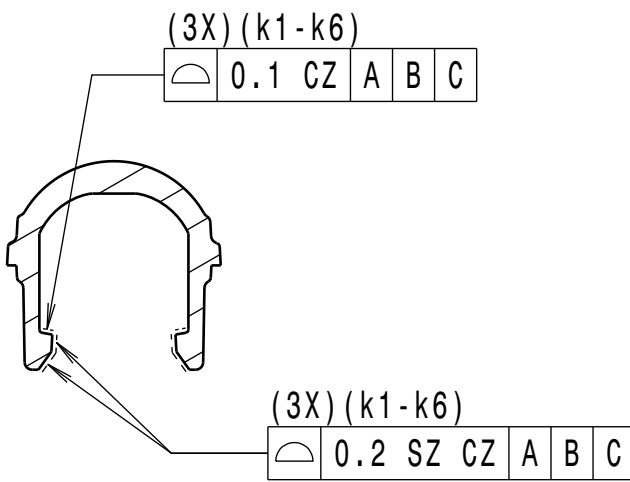
Section cut K-K  
Scale: 2:1



Section cut M-M  
Scale: 2:1



Auxiliary view F  
Scale: 2:1

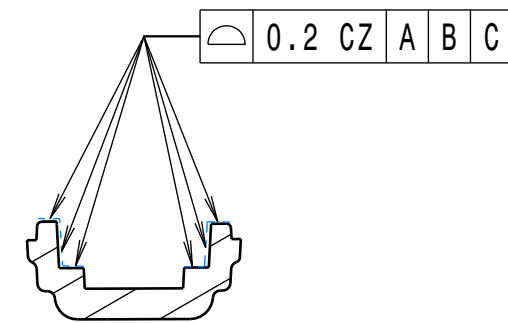


Section cut N-N  
Scale: 2:1

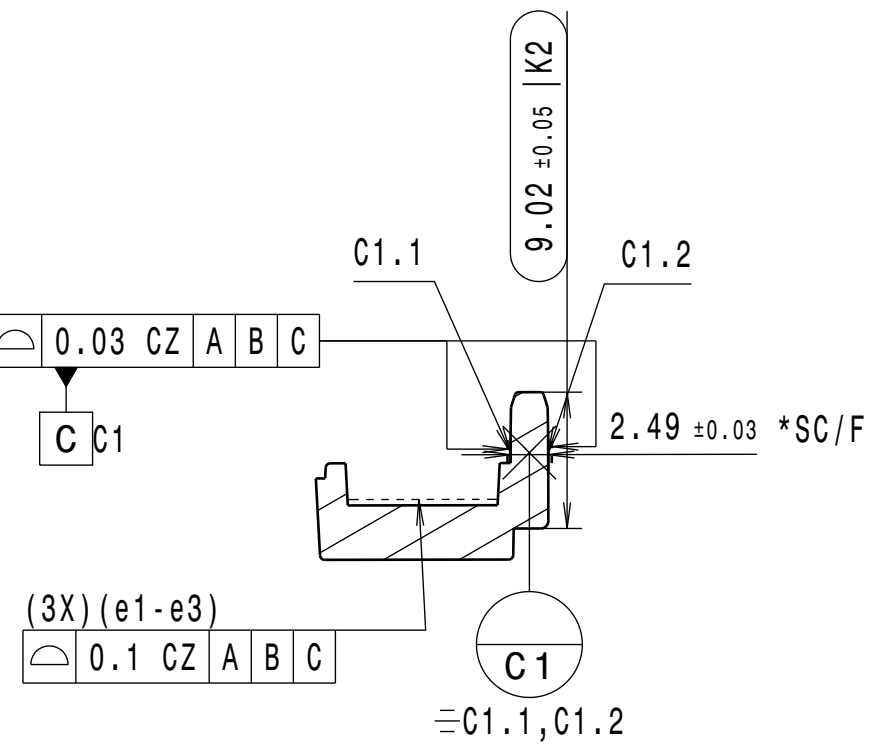


Section cut L-L  
Scale: 2:1

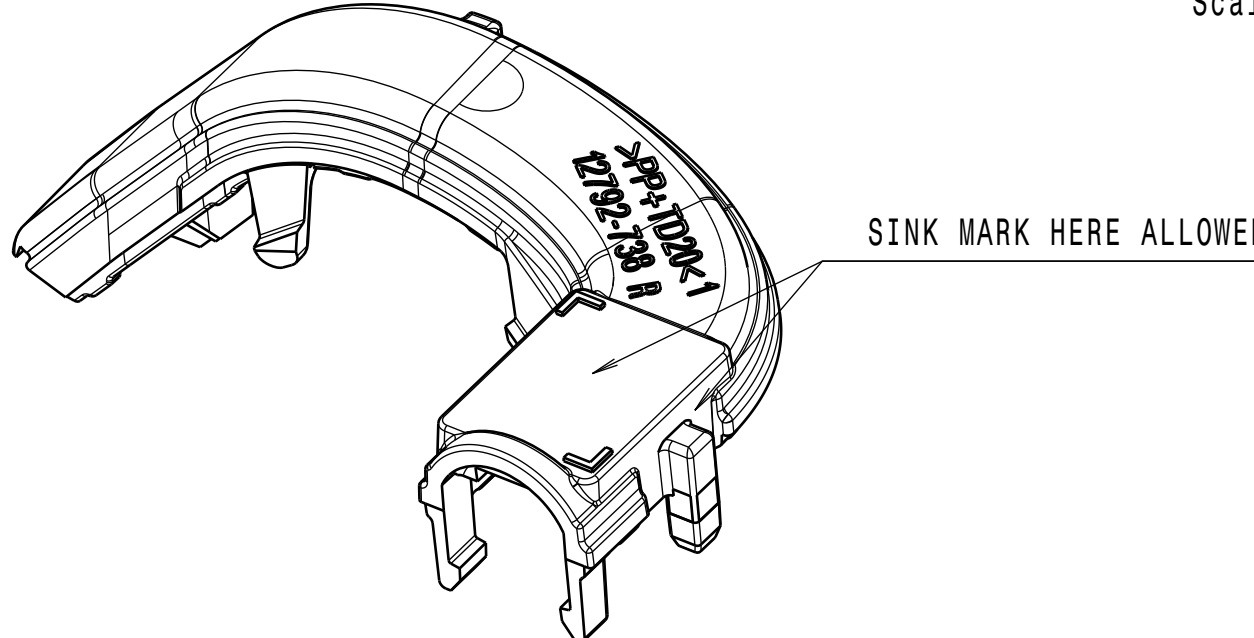
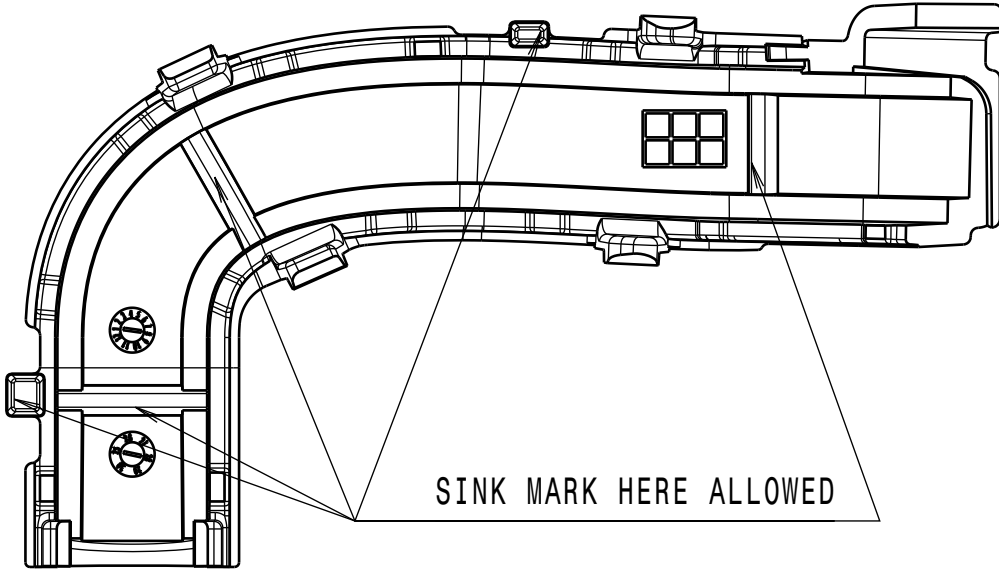
Section cut J-J  
Scale: 2:1



Section cut H-H  
Scale: 2:1



Section cut D-D  
Scale: 2:1



Isometric view  
Scale: 2:1

Non marked sharp edges may feature a maximum radius of R=0.3 mm. (T100)

In the support area, engaging area, guiding area and areas used for datums, ejector marks and burrs are not allowed. (T101)

Surfaces that are marked as guiding areas must be processed in the tool using high-speed cutting (HSC). Only if this is not possible may the surface in the tool also be done by eroding and subsequent polishing in the demolding direction or by very fine EDM. (T102)

However, this must be confirmed by the Preh tool expert and the mechanical designer.

No demolding slants in the guiding area! (T103)

Gate mark, shape and arrangement of the ejector, mold to mold face as well as size and position of the mold cavity have to be allowed by the product engineering.

The parts have to be free from burrs, cracks, bubbles, sink marks and flow lines and may not feature contamination (like mold release agent, oil etc.) (Limit sample about acceptable discrepancies will be agreed separately). (T104)

Test conditions according to ISO 291 Class 2

The component dimensions must still be within the drawing tolerances even after passing through the operating temperature range ( -40 °C to +85 °C) when measured in the standard climate conditions. For compliance with this requirement, the process parameters, such as tool temperature and injection parameters, must be set accordingly.

Measurement alignment:

A B C

Part measurement according to following additional Preh requirements: "GD&T 3D-Scan"

Depending on part geometry and tolerance specifications either by optical 3D-Scan or computer tomography (CT). The measuring areas and datums for measurement shall be taken from the 3D-model (.CATPart). According to "GD&T 3D-Scan Preh Requirements" they shall be completely verified on the actual part geometry. For every measuring area at least 80 % of the given area has to be checked within the measuring.

For all surfaces, without an dedicated tolerance, a general tolerance is applied according to following norm: ISO 20457:2020-03 – TG4. Deviating from the norm, the first nominal size range of the tolerance tables will be used as follows: 0.1 to 3. The set main coordinate system will be used as datum system for the general position tolerance.

Roughness should depend on optical performance of physical part. Not need to measure it until component get bad light performance.

Part has to be measured in a measurement device!

Gate residue should be defined based on the gap with surrounding parts, needs at least 0.2mm clearance with other parts

Specific Quality Requirements		(Only for external supply)
Initial sample process according to:		Applicable Preh Quality Standard Purchasing:
<input type="radio"/> VDA Volume 2	<input checked="" type="radio"/> AIAG	<u>MP.03</u> Actual Version
Customer Standards and Requirements		
Applicable specifications to be considered:		Submission specifications to be documented:
GS 93008, GS 93016		...

X	X	2	-	3D update gate position and fillet and marking letters; 2D update based on new 3D, define sink mark area can be acceptable.	----	2025-12-18
X	-	1	-	2D add measurement device for part in technical note	----	2025-10-23
2D	3D	Index	Count	Change Description	Change Number	Date
Surface:				See Drawing	SPC Dimension:  K_	Project Number: 10660
Material:				PP+TD20 white PRET A5182T CW7920	Material Number: 00701-504/0000	Volume: mm <sup>3</sup>
General Tolerance:				See Drawing	Technical Reference: Qian Li	Scale: 2:1
Part Number:				12792-738/0000	3DX Name: d7w-72901849-00027774 CAD-System: CATIA V5 R32 SP4 The 3D model is binding.	Dimensional Unit: mm Projection:
Title:				BMW NB5 CID light cover RH		
Approval Date:				2025-12-18	Approved By: y. guo	Creator: Q. Li
Sheet:				1/1	Format: A1	