NISSAN
MOTOR CORPORATION

Gauge Approval Sheet (GAS)

Key Point(s):

- The Gauge Approval Sheet is the document that is used to confirm that it can measure the product correctly for measuring characteristic/ area/ reference requested by Nissan.
- The document shall be used for all part specific gauges (variable and attribute).
- The suppliers gauge drawing shall be in-line with the Gauge Specifications sheet(s) and include tolerances on all dimensions, feature lines etc.
- The gauge approval should be based on the latest level drawing and specifications.

Minimum Content Requirement(s):

- Gauge Approval
  The supplier shall conduct gauge confirmation activities and provide reports to support the approval of the gauge.
  The supplier must ensure consistency throughout all documentation for Product characteristics identification

  - Dimensional Report
    The supplier must produce and retain full inspection reports for each gauge, detailing the actual dimensions against all gauge drawing dimensions. This should include all feature lines, Computer Aided Design (CAD) points, etc. A gauge dimensional report should be made available to Nissan on request.

Output Document Description:

Header	
Item	**Completion Instructions**
Project	Nissan Vehicle / Power train project for which the part is being developed / manufactured.
Special characteristics	Tick all boxes that apply to the product being developed/manufactured.
Document Reference No./ Version	The Suppliers reference no. and version no. for the document.
Document Revision Date	The date of the latest revision of the document.
Document Origin Date	The date when the document was first issued.
Supplier Name	Supplier Company name.

Copyright © NISSAN

NISSAN
MOTOR CORPORATION

Supplier Plant	Location at which the product will be produced. Note: If the site supplying off-tool parts for a trial build is different to that supplying off-process parts for a later trial, this should be discussed with Nissan and should be reflected in all project management documentation.
Supplier Code	Unique code to each supplier, issued by Nissan Purchasing Dept.
Author	The name of the person who created / revised the document.
E-mail	The E-mail address of the person who created / revised the document.
Tel	The telephone number of the person who created / revised the document.
Part Name	The part name or description as identified on the product drawing.
Part No.	As issued by Nissan design department.
Design Note No.	The latest design note number that applies to the product being developed / manufactured.
Drawing No.	As issued by Nissan design department.
Gauge Reference	Gauge identification number

Gauge Approval Sheet		
Item		**Completion Instructions**
Items		List of gauge items which may be required before approval from Nissan is given. The definition of each item is in italics below:
Body / Mating Part fix area identification (body re-creation XYZ axis)		Details of the gauge areas that re-create the body in white or mating part surface/ location condition/ surfaces.
Key Gauge Tolerances identification (Mating Part surfaces , Location Surfaces)		Key gauge tolerances for mating part surfaces, location points, location surfaces & gauging positions.
Details of mating part ”Gap and Flush”		Details of “Gap and Flush” requirements as agreed with Nissan
Gauge approval activity & Reports	Gauge Materials Report	Report detailing the materials and location used in gauge manufacture.
	Gauge inspection/dimensional Report	An inspection / dimensional report for the gauge. NOTE: A gauge inspection / dimensional report is always required for gauge approval.
	Bias & Linearity Report	A Bias & Linearity performance report for the gauge. NOTE: A Bias & linearity report is always required for gauge approval.
	Fit & Function Report	A Fit & Function performance report for the gauge
	Repeatability & Reproducibility Report	A Repeatability & Reproducibility performance report for the gauge. NOTE: A Repeatability and Reproducibility report is always required for gauge approval.
Setting Masters details and references		Details of master parts used to set / check the gauge.
Gauge Work Instruction references details		References of all Work Instructions which detail the correct use of the gauge.

Copyright © NISSAN

NISSAN
MOTOR CORPORATION

Specification Pedigree / Ref	Considering the gauge item list, identify the Specification Pedigree / Reference of the gauge - attach appropriate documents where applicable. Liaise with Nissan as required.
Req'd (Yes/No)	Indicate in this column the items from the gauge items list that are required for gauge approval. These items must be agreed with Nissan before completion of the document.
Inspection / Buy off Report No/ Ref.	Detailed report numbers for gauge acceptance reports.
Approval Y/N	Indicate Yes or No to show if approval has been given.
Comments	Detail information for each item.
Supplier Gauge Approval: Name and Signature/ Date	Supplier representative name, signature and date of approval for the gauge
NISSAN Acknowledgement Name and Signature / Date	Nissan representative name, signature and date of acknowledgement of Gauge Approval Sheet.

Copyright © NISSAN