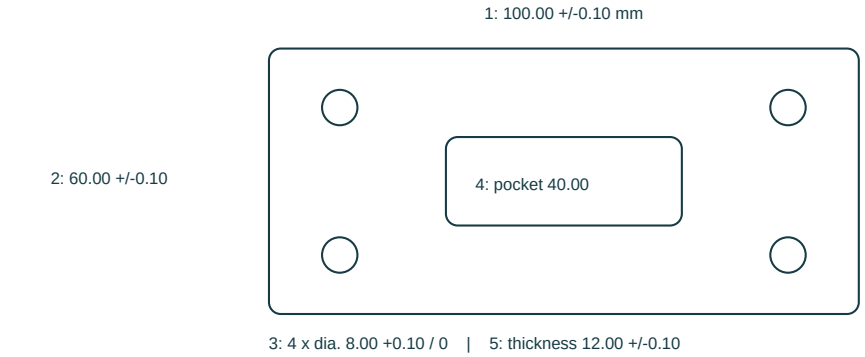
Dimensional Report Example

Sample report with illustrative measurements. Values demonstrate a report format; they are not an inspection record for a customer order.

Part / revision	Material / finish	Sample / lot
DRW-EX-001 / A	Aluminum 6061-T6 / as machined	SAMPLE-01 / FORMAT-DEMO

Drawing feature reference



Schematic, not to scale. Use the released production drawing for manufacturing.

Measured results - sample values

ID	Feature	Nominal	Allowed limits	Measured	Method	Result
1	Overall length	100.00	99.90-100.10	100.02	Caliper	PASS
2	Overall width	60.00	59.90-60.10	59.98	Caliper	PASS
3A	Hole diameter	8.00	8.00-8.10	8.04	Bore gauge	PASS
3B	Hole diameter	8.00	8.00-8.10	8.05	Bore gauge	PASS
3C	Hole diameter	8.00	8.00-8.10	8.03	Bore gauge	PASS
3D	Hole diameter	8.00	8.00-8.10	8.04	Bore gauge	PASS
4	Pocket width	40.00	39.90-40.10	40.01	CMM	PASS
5	Thickness	12.00	11.90-12.10	12.03	Micrometer	PASS

All dimensions in mm. A production report must reference the actual drawing, lot, equipment, calibration and measurement conditions. A result requires the agreed acceptance rule.

Inspection Planning & Records

Use this page to agree the report format before the first build.

Required report identifiers

Record	Required information
Drawing & revision	Released part number, revision, units and relevant drawing standard.
Part identification	Sample ID, lot / batch and number of pieces inspected.
Measurement setup	Instrument ID, method, calibration reference, fixture and datum alignment.
Conditions	Inspection date, inspector and relevant environmental conditions.
Acceptance	Limits from the drawing; decision rule for measurement uncertainty where required.
Deviations	Record the actual deviation, disposition and customer approval reference.

Agree critical characteristics

Identify bearing fits, hole positions, flatness, parallelism, sealing faces, finish thickness and other assembly-critical features. Confirm the measurement method and sampling for each controlled feature.

Customer report requirements

Feature / drawing ID	Method / equipment	Sampling / records
_____	_____	_____
_____	_____	_____
_____	_____	_____

Review contact: _____ Approved format / date: _____

Attach inspection requirements when sending your drawing through tovilon.com/request-a-quote/.