FENVA PRECISION

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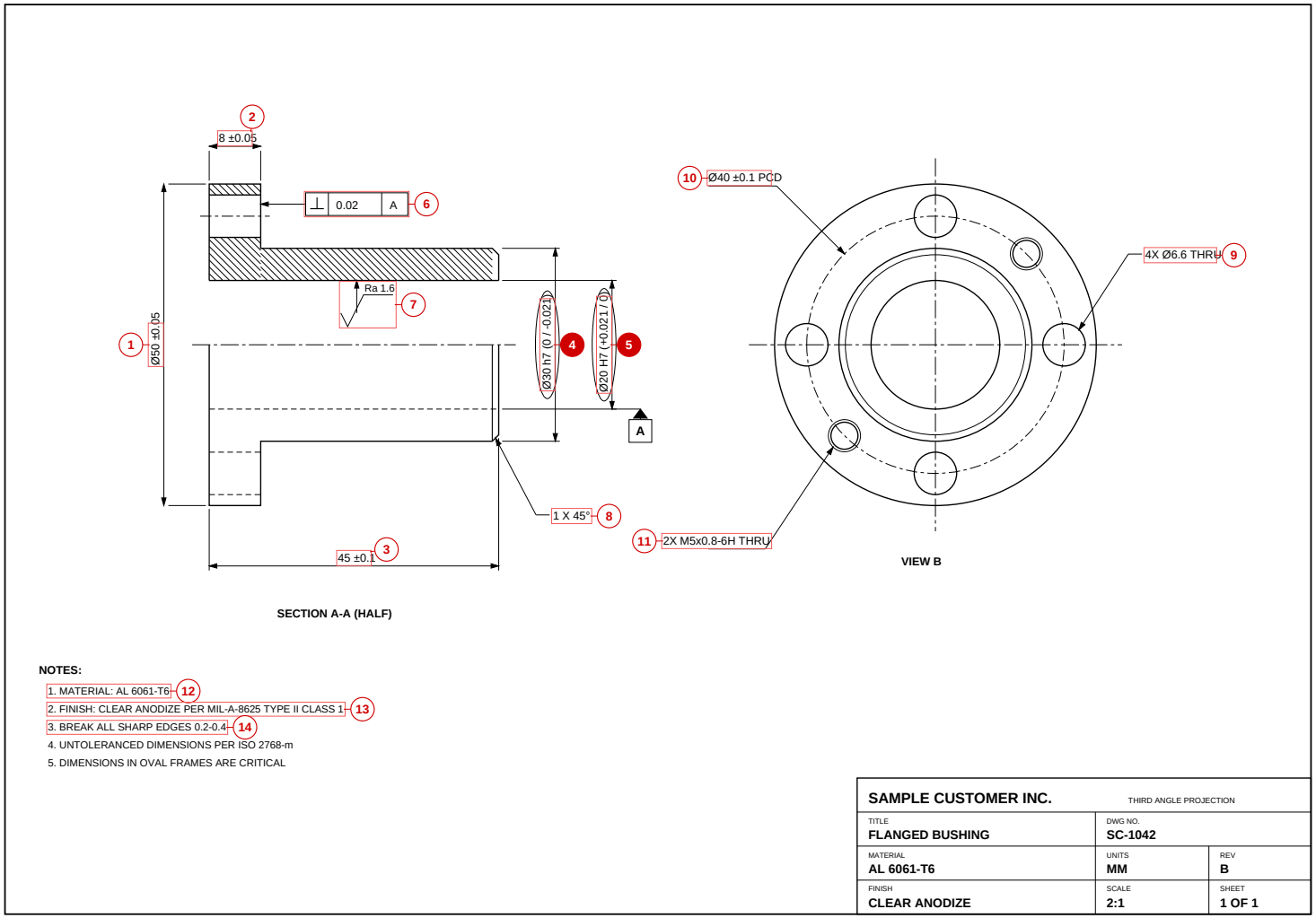
Final Inspection Report 最终检验报告 — Flanged Bushing / 法兰衬套

CUSTOMER 客户 Sample Customer Inc.	ORDER 订单 SAMPLE	PART 零件 Flanged Bushing / 法兰衬套	DRAWING NO. 图号 SC-1042
REVISION 版本 B	MATERIAL 材料 AL 6061-T6 / 6061-T6 铝合金	FINISH 表面处理 Clear anodize MIL-A-8625 Type II Class 1 / 本色阳极氧化	LOT QUANTITY 批量 200
SAMPLE SIZE 抽检数 5	INSPECTION DATE 检验日期 2026-10-16	INSPECTOR 检验员 Fenva QC	RESULT 结论 **ACCEPTED 合格**



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Inspection results 检验结果 — Flanged Bushing / 法兰衬套（SAMPLE)

No. 编号	Characteristic 特性	Nominal 名义值	Tolerance 公差	Method 检测方法	S1	S2	S3	S4	S5	Result 判定
1	Ø50 ±0.05	50 mm	±0.05	Caliper 卡尺	50.02	50.01	50.03	50.02	50.00	PASS 合格
2	8 ±0.05	8 mm	±0.05	Micrometer 千分尺	8.01	8.00	8.02	7.99	8.01	PASS 合格
3	45 ±0.1	45 mm	±0.1	Caliper 卡尺	45.03	44.98	45.02	45.01	45.04	PASS 合格
◆ 4	Ø30 h7 (0 / -0.021)	30 mm	+0 / -0.021	Micrometer 千分尺	29.991	29.988	29.993	29.990	29.986	PASS 合格
◆ 5	Ø20 H7 (+0.021 / 0)	20 mm	+0.021 / 0	Internal caliper gauge 内径卡规	20.009	20.012	20.008	20.011	20.010	PASS 合格
6	⊥ 0.02 A 垂直度 0.02，基准 A		≤ 0.02	CMM 三坐标	0.008	0.011	0.007	0.012	0.009	PASS 合格
7	Ra 1.6 (bore) Ra 1.6（内孔）		—	Roughness tester 粗糙度仪	OK	OK	OK	OK	OK	PASS 合格
8	1 X 45°	1 mm	±0.2	Video measuring system 二次元	1.05	0.98	1.02	1.04	1.00	PASS 合格
9	4X Ø6.6 THRU 4X Ø6.6 通孔	6.6 mm	±0.2	Caliper 卡尺	6.62	6.64	6.61	6.63	6.62	PASS 合格
10	Ø40 ±0.1 PCD Ø40 ±0.1 分布圆	40 mm	±0.1	CMM 三坐标	40.012	39.996	40.008	40.015	40.004	PASS 合格
11	2X M5x0.8-6H THRU 2X M5x0.8-6H 通孔螺纹		—	Thread plug gauge 螺纹塞规	OK	OK	OK	OK	OK	PASS 合格
12	MATERIAL: AL 6061-T6 材料：6061-T6 铝合金		—	Other 其它	OK	OK	OK	OK	OK	PASS 合格
13	FINISH: CLEAR ANODIZE PER MIL-A-8625 TYPE II CLASS 1 表面处理：本色阳极氧化，MIL-A-8625 II 型 1 类		—	Coating thickness gauge 膜厚仪	OK	OK	OK	OK	OK	PASS 合格
14	BREAK ALL SHARP EDGES 0.2-0.4 锐边倒钝 0.2-0.4		—	Visual 目测	OK	OK	OK	OK	OK	PASS 合格

◆ = marked critical on the drawing 图纸标注的关键特性. All characteristics were inspected on every sampled piece; values are as measured. 每个抽检件均已检测全部特性，数值为实测值。 Sample report for illustration 示例报告. Fenva Precision Quality.