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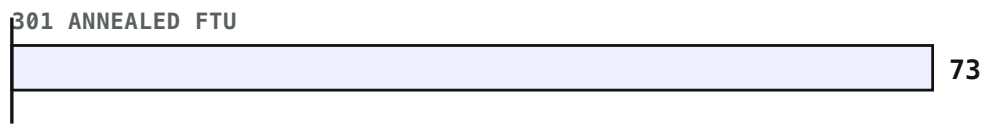
347 Stainless Steel

321's twin, stabilized with columbium (niobium) or tantalum.

REFERENCE DRAWING — NOT APPROVED DATA · THE SRM ALWAYS GOVERNS

347 STAINLESS

STABILIZED WITH COLUMBIUM OR TANTALUM · KSI



PARTS LIST

#	ITEM	NOTE	SRC
1	Sheet, plate	AMS 5512	SAE
2	Composition	18 CR, 11 NI, C .08	AC 43.13
3	Stabilizer	Cb or Ta	AC 43.13
4	Also filler	AISI 347	AMT HB

READ BEFORE USE

NO ALLOWABLES IN THE PUBLIC HANDBOOK

BAR SHOWN FOR SCALE ONLY

SRM NAMES THE ALLOY

NOTES

1. Dimensions in inches. Do not scale: the SRM sets the values.
2. For reference. The applicable manual always governs.
3. Based on MIL-HDBK-5J, AC 43.13-1B.

REVISIONS

REV	DESCRIPTION	DATE
A	First issue	2026-10-30

The Aviation Point.			Structural repair reference
TITLE 347 reference			
DRAWING NO. TAP-DWG-073	REV A	SCALE NTS	SHEET 1 OF 1
APPLIES TO Aircraft materials			
DO NOT SCALE DRAWING			

347 stainless: stabilized with columbium or tantalum Values from MIL-HDBK-5J, S basis unless noted.

Key facts

Property	Value	Source
Composition	Carbon 0.08 %, chromium 18 %, nickel 11 %, columbium or tantalum	AC 43.13-1B CHG 1, Table 4-3
Class	Austenitic	AC 43.13-1B CHG 1, Table 4-3
Sheet, strip, plate	AMS 5512	SAE AMS 5512 (title)
As filler	AISI 347 is among the filler metals for welding austenitic stainless	AMT Handbook, p. 5-22
Allowables	Not in MIL-HDBK-5J (checked)	MIL-HDBK-5J

Key points

- **No allowables here.**
- **The drawing's alloy only.**

SOURCES · FAA AC 43.13-1B CHG 1 · FAA-H-8083-31B, Aviation Maintenance Technician Handbook, Airframe, Volume 1 · SAE AMS 5512 · MMPDS

SCAN · OPEN THIS GUIDE
theaviationpoint.com/materials/steel/347/

Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.