

Thread gauge STL file

CHAT-0371 / REV EXPORT-03 / 2025.09.18

A conversation-specific public summary of thread gauge stl file, distilled from the supplied export. The detailed excerpts remain available in the released note file.

STATUS	RECOVERED / SPECIFIC NOTE
CLASSIFICATION	SYS
MATERIAL	CHAT EXPORT / BUILD & TOOLS
DISPOSITION	PUBLIC CONVERSATION EXCERPTS / REDACTED
CATEGORY	Build & Tools
RECORD TYPE	build-thread

TECHNICAL NOTES

Conversation-specific knowledge extracted from the thread gauge stl file discussion.

CONVERSATION / QUESTION AND CONTEXT

I want a stl file of a thread gauge, on the left half I want to be able to thread bolts into it to verify the threads and on the right side I want approximately an inch of a threaded bolt sticking up so I can use it to verify nut sizes

CONVERSATION / EXTRACTED GUIDANCE

- Left side: four pilot holes sized to let you *self-thread* common bolts directly into the plastic (perfect for quick ID): 1/4-20, 5/16-18, M6×1.0, M8×1.25.
- Right side: a captured 1/4-20 metal bolt. You insert a real bolt from the bottom into a hex pocket so the threaded shank (~1") sticks up on top for checking nut sizes (no printed threads to wear out).
- OpenSCAD source (ready to render/export to STL):
- Print the part with the hex pocket facing down.
- Press a 1/4-20 hex bolt up from the bottom; the head will capture in the pocket. If you want the stud locked in, add a nut on top as a jam nut.
- On the left, just drive your bolts into the pilot holes-plastic “cuts” threads for a snug check fit.
- 1/4-20 pilot approximately 0.201 in (5.11 mm)
- 5/16-18 pilot approximately 17/64 in (6.75 mm)

SPECIFICATION

SOURCE	Supplied ChatGPT export
CATEGORY	Build & Tools
CONVERSATION	2 user turns / 2 assistant turns
ATTACHMENTS	4 references detected
PUBLIC DETAIL	Extracted knowledge + excerpts

DEVELOPMENT HISTORY

2025.09.18 / EXPORT-04

Matched to the supplied export; key guidance is surfaced separately and the raw transcript remains unpublished.

RELEASED MATERIAL / SOURCE LINKS

CHAT-0371-public-note.txt

PUBLIC-SAFE CONVERSATION NOTE / UNIQUE FILE

<https://u225x.com/downloads/chat-records/CHAT-0371-public-note.txt>

RETURN TO THE LIVING RECORD

Thread gauge STL file

This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/CHAT-0371>
