

Bearing Hole Dimensioning

CHAT-0078 / REV EXPORT-03 / 2026.04.15

A conversation-specific public summary of bearing hole dimensioning, 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 bearing hole dimensioning discussion.

EDITORIAL NOTE

Ø0.6245 ±0.0005 in describes a 0.6240-0.6250 in range; that arithmetic does not establish a suitable bearing fit. The excerpt also contains a conflicting Ø0.625 ±0.001 callout and lacks the bearing specification needed to resolve the choice.

CONVERSATION / QUESTION AND CONTEXT

i have a Oil-Embedded 841 Bronze Sleeve Bearing with an od of .627 that need put in a stainless steel block, how should i dimension the hole in the stainless steel block

CONVERSATION / EXTRACTED GUIDANCE

- *Ø0.6245 ±0.0005 in
- Best drawing callout: Ø0.6245 ±0.0005
- Acceptable housing range: 0.6240-0.6250
- Resulting interference: about 0.001-0.003 in with the bearing OD tolerance shown as +.000 / -.001.
[embedded media omitted]
- Put a small lead-in chamfer on the hole so you do not shave the bearing during install.
- Press it in, do not hammer it.

7. Because it is stainless, I would stay near the middle of that tolerance, not the tight extreme, unless the bearing maker gives a more specific fit for your wall thickness and load.
8. *Ø0.625 ±0.001

SPECIFICATION

SOURCE	Supplied ChatGPT export
CATEGORY	Build & Tools
CONVERSATION	3 user turns / 4 assistant turns
ATTACHMENTS	6 references detected
PUBLIC DETAIL	Extracted knowledge + excerpts

DEVELOPMENT HISTORY

2026.04.15 / EXPORT-04

Matched to the supplied export; key guidance is surfaced separately and the raw transcript remains unpublished.

RELEASED MATERIAL / SOURCE LINKS

CHAT-0078-public-note.txt

PUBLIC-SAFE CONVERSATION NOTE / UNIQUE FILE

<https://u225x.com/downloads/chat-records/CHAT-0078-public-note.txt>

RETURN TO THE LIVING RECORD

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

<https://u225x.com/record/CHAT-0078>