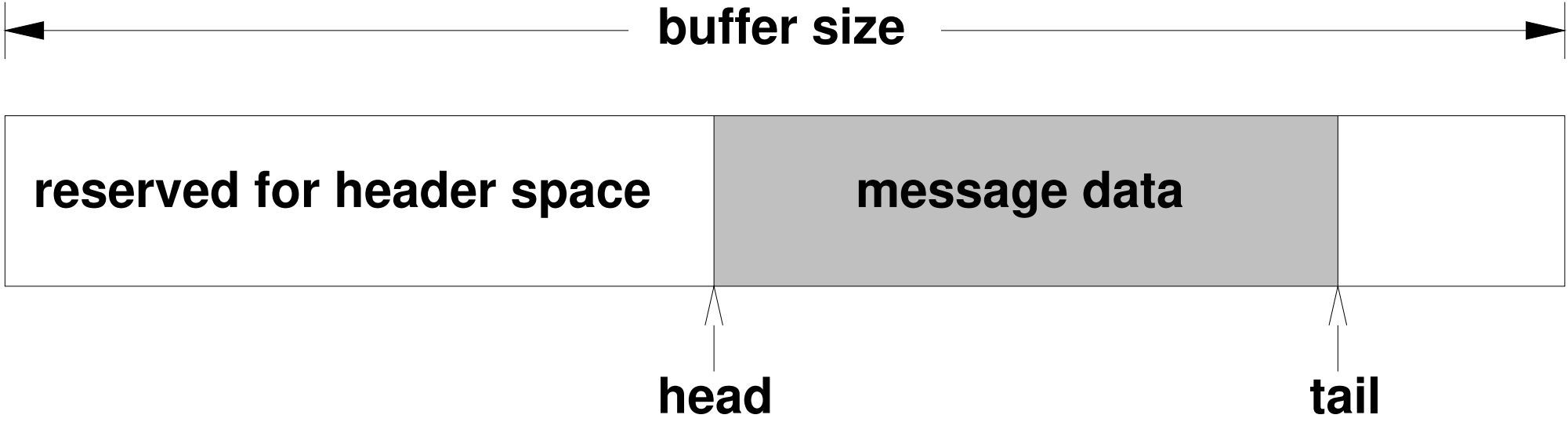
buffer size
reserved for header space
message data
head
tail