

| | | | |
|---------------------------|-----------------------|-------------------------|-----------------|
| push | Block on full* | Overwrite when full | Fail/try_ |
| pop | Block on empty* | Return default on empty | Fail/try_ |
| capacity | Static (compile-time) | Fixed (runtime) | Dynamic (grows) |
| Bulk push/pop | No - single item | Yes - multiple items | |
| Message size | Fixed | Dynamic | |
| Message size limit | Limited (8 bytes?) | Unlimted | |
| Triviality | Trival | Non-trivial | |
| Gurantees | None - blocking | Lock-free | Wait-free |
| Num processes | Single | Inter-process | |

Simple Behavior

STSC



Simple Behaviour

SPSC

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