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EGR101-003
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Clip Design Analysis

Important Design Features:
1. All clips have some sort of clamping mechanism that applies a force to keep the clip in shut in place.
2. Some clips use rigid surfaces that will catch the material it is holding together to prevent slipping
3. The type of force varies, some clips use hooks to provide the force that keeps the system closed

Common Types of Mechanical Clips:

Paper Clips   Binder Clips   Spring Clips

Paper Clips:
- <u>Pros</u>: Lightweight, Cheap, Good for loose leaf paper organization
- <u>Cons</u>: Easy to bend/break, not good to hold together thicker types of paper, easy to slip off

Binder Clips:
- <u>Pros</u>: Heavy Weight, unlikely to easily come undone, can hold large stacks of paper (relative to the size)
- <u>Cons:</u> Very little friction keeping the papers from slipping out, easily broken, more expensive than paper clips

Spring Clips:
- <u>Pros:</u> Very Durable, hooks keeping the clip in place, extremely unlikely to come undone
- <u>Cons:</u> Not at all flexible, expensive, bulky