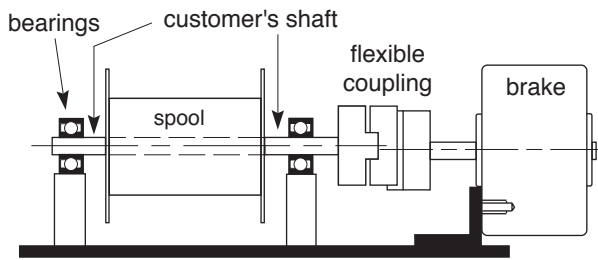


Mechanical Installation Requirements for Brakes

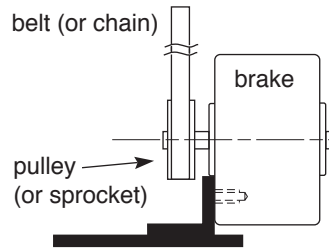
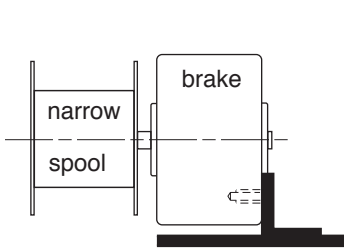
When a brake is foot mounted, and connected to a fully supported shaft, a flexible coupling must be used. Since perfect shaft alignment is impossible, flexible couplings are needed to protect the bearings from destructive side loads.



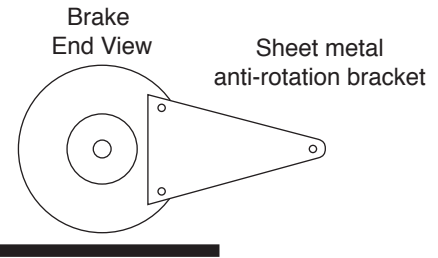
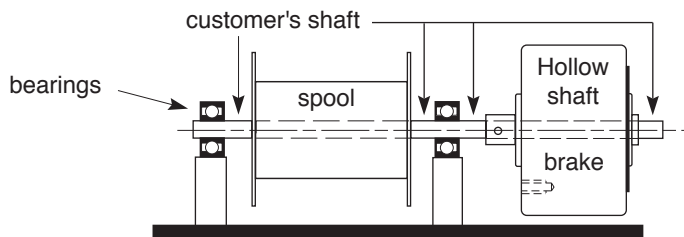
Both shafts fully supported by bearings - The brake shaft is supported by bearings. The customer's shaft (for the spool, or gearbox, motor, or any device) is also fully supported by bearings. Even with precise alignments, a flexible coupling is required. If a rigid coupling is used, the shafts are forced into alignment by bending the shafts, resulting in bearing overload, and premature failure.

A flexible coupling is not needed when:

The brake supports the spool (or other floating device)

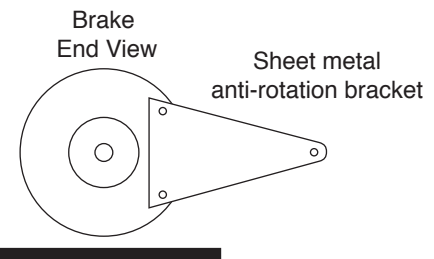
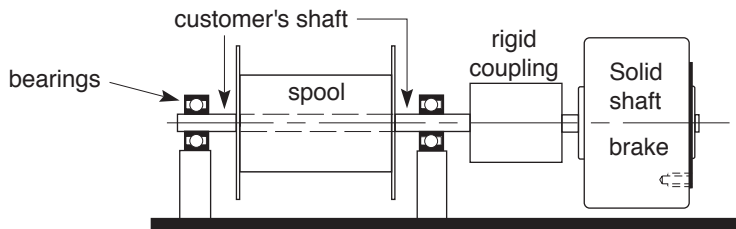


Belt, chain drive, or gears: The belt or chain flexes for misalignments. Gear play accommodates for misalignments. A bracket rigidly locates the brake.



Floating hollow-shaft brake - The customer's shaft for the spool (or other device) supports the brake. The sheet metal anti-rotation link or bracket prevents the brake from rotating, yet flexes for misalignments.

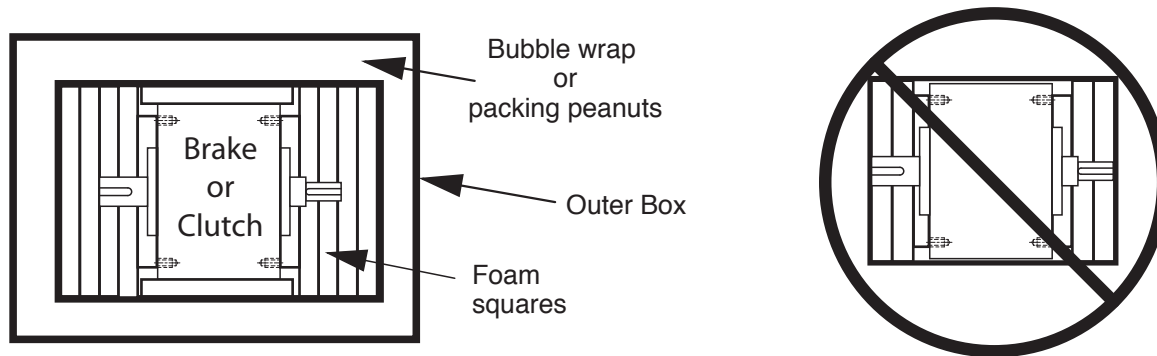
Do not mount the brake rigidly.



Floating solid-shaft brake - The customer's shaft for the spool (or other device) supports the rigid coupling, which supports the brake. The sheet metal anti-rotation bracket prevents the brake from rotating, yet flexes for misalignments. **Do not mount the brake housing rigidly.**

Brake & Clutch Installation Instructions

PACKING FOR SHIPPING - Protect from impact



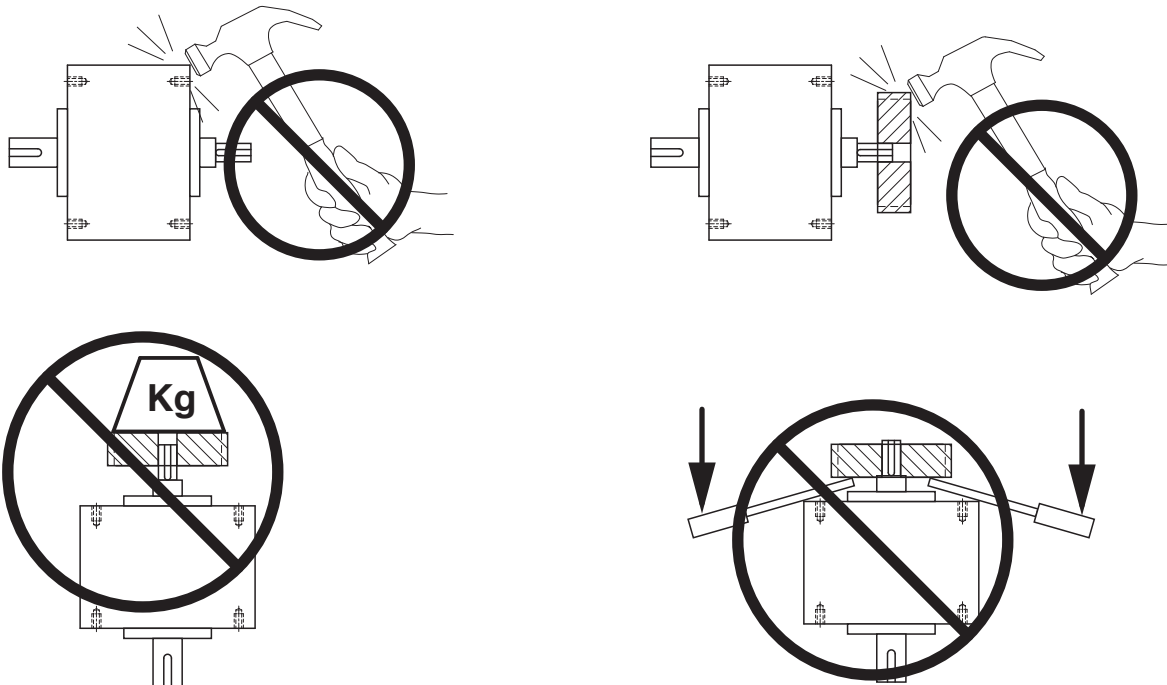
CARE & HANDLING

Do not drop, or strike with a hammer. Keep away from metal filings & fine metal chips. Shield from liquids.

Do not attempt to disassemble or remove the shafts.

The shafts must fit your gear, pulley, or couplings as SLIDE fits.

INSTALLATION



Do not force your pulley onto the shaft.

Use a gear puller to remove a stuck item. Do not pry.

MAINTENANCE

The brakes & clutches never need adjustments or maintenance. Do not attempt to disassemble.



Magnetic Particle Brakes & Clutches
Hysteresis Brakes & Controls

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