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## *Suggestions for new OSHA Regulation*

### **SAFETY DEVICES (BASED ON ANSI B30.5 INTERPRETATIONS)**

The following items shall be mandatory for all cranes:

#### Boom Hoist

- Friction Drums: ratchet & pawl or other secondary locking/braking device
- Hydraulic Drums: integrally mounted holding device or internal static brake (in case of hydraulic failure)
- Hydraulic Support Cylinders: integrally mounted holding device

#### Load Hoist

- Friction Drums: See note below\*
- Hydraulic Drums: integrally mounted holding device or internal static brake

#### Hydraulic Telescoping Booms

- Integrally mounted holding device

#### Swing

- Positive travel lock

#### Booms

- Boom Stops for booms and jibs to prevent booming over backwards

#### Outriggers

- Hydraulic Jacks: integrally mounted holding device

\*NOTE: Most friction cranes do not have a ratchet & pawl or other secondary locking/braking device on their load hoist drums. As such, we **cannot** make this mandatory. However, we can require it for friction cranes manufactured after publication of the new standard.

### **OPERATOR AIDS (BASED ON ANSI B30.5 INTERPRETATIONS)**

The following items shall be mandatory for all cranes manufactured after a certain date, but operation is still permissible in case of malfunction:

ATB device

LMI or load measuring device

Boom angle or radius indicator

Boom limit switches

Boom length indicator (for hydraulic cranes)

Crane level indicator

Drum rotation indicators