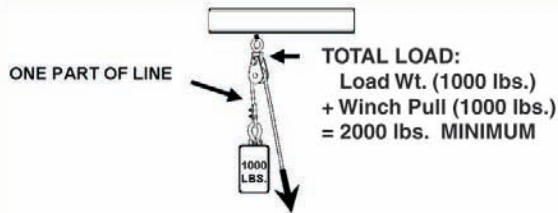


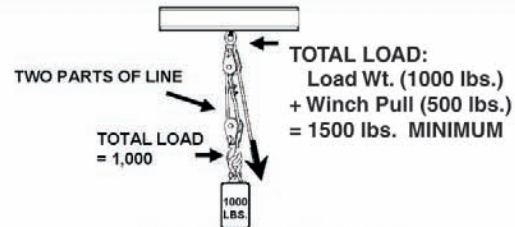
# Rigging Information

## RIGGING WITH BLOCKS

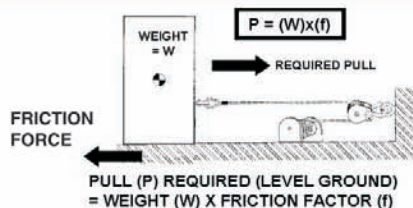
3



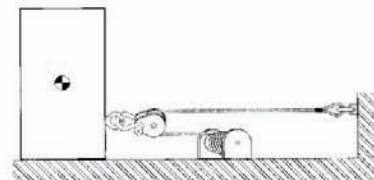
NO MECHANICAL ADVANTAGE = ONE  
WINCH PULL = 1,000 LBS.



MECHANICAL ADVANTAGE = TWO  
WINCH PULL = 500 LBS.



MANY SURFACES HAVE A FRICTION FACTOR < 1  
(f) for STEEL ON STEEL is .16 lubricated  
(f) for STEEL ON STEEL is .8 clean  
(f) for WOOD ON METAL is .2 to .6 clean  
(f) for WOOD ON WOOD is .25 to .5 clean



WINCH PULL REQUIRED =  $\frac{\text{WEIGHT} \times \text{FRICTION FACTOR}}{\text{MECHANICAL ADVANTAGE}}$

## SHEAVE BEARINGS

### BEARING APPLICATIONS CRANE AND LOAD BLOCKS

**PLAIN BRONZE BUSHED:**

Moderate loads, low speeds and frequent use

**STRAIGHT ROLLER BEARINGS:**

Heavier loads, higher speeds and more frequent use

**TAPERED ROLLER BEARINGS:**

Heavy loads, high speeds, continuous operation

### BEARING APPLICATIONS SNATCH BLOCKS

**PLAIN BRONZE BUSHED:**

Slow speeds, moderate loads, infrequent and intermittent use

**STRAIGHT ROLLER BEARINGS:**

Slow to medium speeds, moderate loads, intermittent and more frequent use

### BEARING LUBRICATION GENERAL RECOMMENDATIONS

**PLAIN BRONZE BUSHED:**

Lubricate every 8 hours of continuous service and every 14 days of intermittent operation

**STRAIGHT ROLLER BEARINGS:**

Lubricate every 24 hours of continuous operation or every 14 days of intermittent operation

**TAPERED ROLLER BEARINGS:**

Lubricate every 40 hours of continuous service or every 30 days of intermittent operation

### BEARING TYPES

