

SNATCH BLOCKS



Snatch Blocks

- Bronze bushed



MAINTENANCE:

To ensure peak efficiency and extended service life, it is necessary that blocks be inspected and maintained at frequent intervals:

Inspect products for any signs of wear or damage, such as:

- Worn or damaged sheaves, bushings, side plates, pins, hooks or shackles. Replace any part showing signs of wear or damage!
- Hook latch for proper fit and operation. Replace deformed latches!

These particular blocks feature bronze bushings, which are not self-lubricating. They are designed for infrequent or intermittent use with low line speeds. Observe the following lubrication schedule:

- Moderate use: Every 8 hours
- Intermittent operation: Once weekly

LOADS:

Throughout this catalogue, the term Working Load Limit (abbreviated: WLL) is being used. It refers to the maximum load or force which a product is designed to support under normal operating and environmental conditions and the product being in an 'as new' condition.

IMPORTANT:

The total load on a snatch block, and therefore also on any fitting which is attached to the block, is usually considerably greater than the actual load lifted or pulled. The deciding factor in determining the total load on a single line block is the angle between the lead line and the load line:

Total load on block = Actual Load Lifted x Multiplication Factor (single line systems only):

| Lead/Load Line Angle | Factor | Lead/Load Line Angle | Factor | Lead/Load Line Angle | Factor |
|----------------------|--------|----------------------|--------|----------------------|--------|
| 0° | 2.00 | 60° | 1.73 | 130° | 0.84 |
| 10° | 1.99 | 70° | 1.64 | 135° | 0.76 |
| 20° | 1.97 | 80° | 1.53 | 140° | 0.68 |
| 30° | 1.93 | 90° | 1.41 | 150° | 0.52 |
| 40° | 1.87 | 100° | 1.29 | 160° | 0.35 |
| 45° | 1.84 | 110° | 1.15 | 170° | 0.17 |
| 50° | 1.81 | 120° | 1.00 | 180° | 0.00 |

Warning:

**NEVER EXCEED WORKING LOAD LIMITS!
ALWAYS REFER TO LOAD CALCULATION TABLE BASED ON LINE ANGLE!**



SNATCH BLOCKS

V1800

- Bronze bushed, with hook

| Sheave (Diameter) | Rope (Diameter) | WLL (tons) | Weight (lbs) | Vanguard Code |
|-------------------|-----------------|------------|--------------|---------------|
| 3 | 3/8 | 2 | 3 | 2936 2030 |
| 4 1/2 | 1/2 | 4 | 12 | 2936 2045 |
| 6 | 3/4 | 8 | 27 | 2936 2060 |
| 8 | 3/4 | 8 | 35 | 2936 2080 |
| 8 | 1 1/8 | 15 | 58 | 2936 2081 |
| 8 | 1 1/8 | 20 | 103 | 2936 2082 |
| 10 | 3/4 | 8 | 50 | 2936 2100 |



V1900

- Bronze bushed, with shackle

| Sheave (Diameter) | Rope (Diameter) | WLL (tons) | Weight (lbs) | Vanguard Code |
|-------------------|-----------------|------------|--------------|---------------|
| 3 | 3/8 | 2 | 5 | 2935 3030 |
| 4 1/2 | 1/2 | 4 | 13 | 2935 3045 |
| 6 | 3/4 | 8 | 29 | 2935 3060 |
| 8 | 3/4 | 8 | 36 | 2935 3080 |
| 8 | 1 1/8 | 15 | 65 | 2935 3081 |
| 8 | 1 1/8 | 20 | 117 | 2935 3082 |
| 10 | 3/4 | 8 | 53 | 2935 3100 |
| 10 | 7/8 - 1 | 15 | 82 | 2935 3101 |
| 14 | 5/8 | 8 | 81 | 2935 3140 |



V4000

- Tail Boards

| Sheave (Diameter) | Rope (Diameter) | WLL (tons) | Weight (lbs) | Vanguard Code |
|-------------------|-----------------|------------|--------------|---------------|
| 3 | 3/8 | 2 | 3 | 2935 1030 |
| 4 1/2 | 1/2 | 4 | 8 | 2935 1045 |
| 6 | 3/4 | 8 | 15 | 2935 1060 |
| 8 | 3/4 | 8 | 25 | 2935 1080 |
| 8 | 1 1/8 | 15 | 35 | 2935 1081 |
| 8 | 1 1/8 | 20 | 70 | 2935 1083 |



Warning:

Ultimate Load is 4 x Working Load Limit (WLL)
 Never exceed working load limit - refer to load calculation table based on line angle