



BISON INDUSTRIES INC.
A HERCULES CO.
www.bisonindustries.com

WIRE ROPE FITTINGS

UTILITY CRANE BLOCKS

Wide range of products available.

Capacity : 5 to 55 Tons - Larger Models Available.

Sheaves Sizes : 10" to 24".

Wire Lines Sizes : 1/2" to 1 1/4".

All Blocks are furnished standard with Roller Bearings.

Reeving Guides Standard - All Models.

Heavy Duty Positive Locking (PL) Latch - All Models.

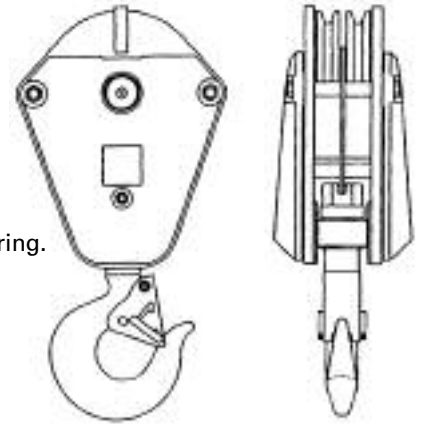
Sheave lubrication through centre pin - Separate lube channel to each bearing.

Sheave fully protected by side plates.

Dual action hook (Swings and Rotates).

Repair parts available through world wide distribution network.

Design factor 4:1



LOADS ON BLOCK

The Working Load Limit (W.L.L.) for blocks indicates the maximum load that should be exerted on the block and its connecting fitting.

This total load value may be different from the weight being lifted or pulled by a hoisting or hauling system. It is necessary to determine the rated capacity block to be used.

A single sheave block used to change load line direction can be subjected to total loads greatly different from the weight being lifted or pulled. The total load value varies with the angle between the incoming and departing lines to the block.

The following chart indicates the factor to be multiplied by the line pull to obtain the total load on the block.



ANGLE FACTOR MULTIPLIERS			
ANGLE	FACTOR	ANGLE	FACTOR
0°	2.00	100°	1.29
10°	1.99	110°	1.15
20°	1.97	120°	1.00
30°	1.93	130°	.84
40°	1.87	135°	.76
45°	1.84	140°	.68
50°	1.81	150°	.52
60°	1.73	160°	.35
70°	1.64	170°	.17
80°	1.53	180°	.00
90°	1.41	-	-

OVERHAUL BALLS

The hook is made of forged alloy steel and comes complete with a heavy duty PL latch.

The single pin construction allows easy disassembly and parts replacement.

The top swivel design assures that the ball remains stationary if the wireline spins.

A complete range of capacities and weights are available from 3 Ton capacity weighing 100 lbs. to 15 Ton capacity weighing 650 lbs. : with short overall lengths.

The swivel incorporates a sealed roller thrust bearing together with a grease fitting for easy lubrication.

Design factor 4:1.

