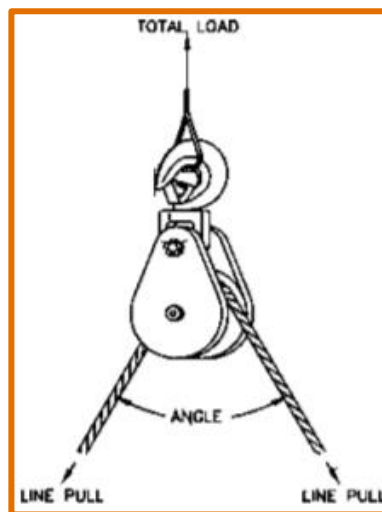


LOADS ON BLOCKS

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



EXAMPLE: A gin pole truck is lifting 1,000 pounds. There is no mechanical advantage to a single part load line system, so the winch line pull is equal to 1,000 pounds or the weight being lifted.

TO DETERMINE TOTAL LOAD ON SNATCH BLOCK A:

A =	1,000 (Line pull)	X	1.81 (factor 50° angle)	= 1,810 lb	
B =	1,000 (Line pull)	X	0.76 (factor 135° angle)	= 760 lb	