

Stress Formula

$$L \times A = S$$

L = Load in lbs.

A = Angle factor

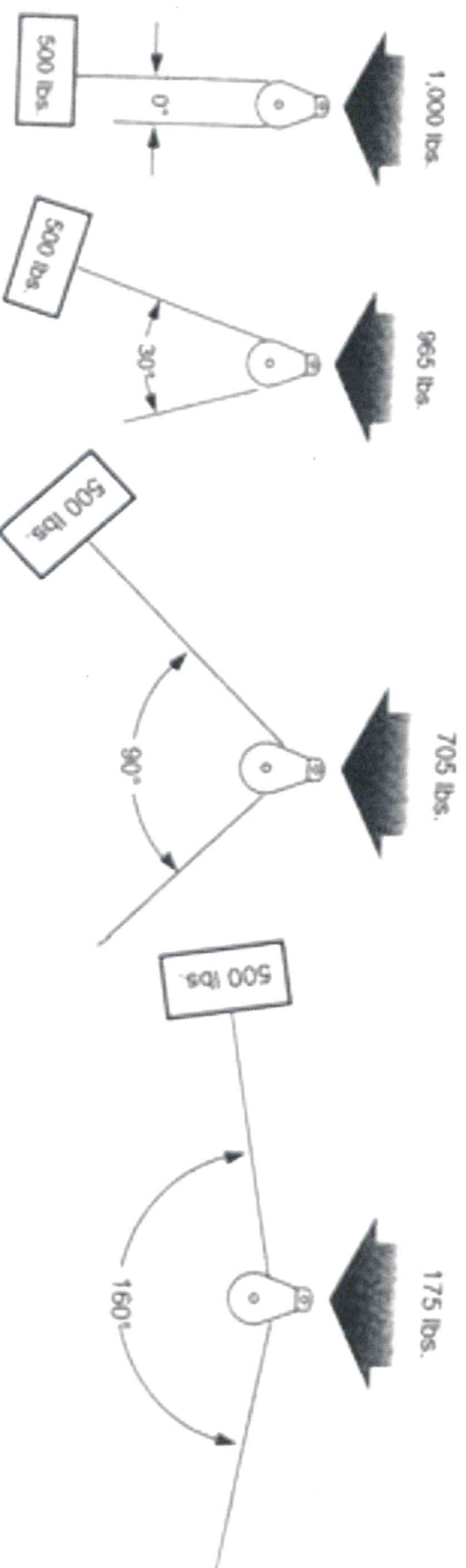
S = Stress in lbs.

SAMPLE: By using a 500 lb. weight the

stress exerted on the eye would be 1,000 lbs.

$$L \times A = S$$

500 lbs. x 2.0 = 1,000 lbs.



ANGLE	FACTOR	ANGLE	FACTOR	ANGLE	FACTOR
0°	2.0	70°	1.64	140°	.680
10°	1.98	80°	1.53	150°	.520
20°	1.97	90°	1.41	160°	.350
30°	1.93	100°	1.29	170°	.170
40°	1.87	110°	1.15	180°	.000
50°	1.81	120°	1.00		
60°	1.73	130°	0.84		