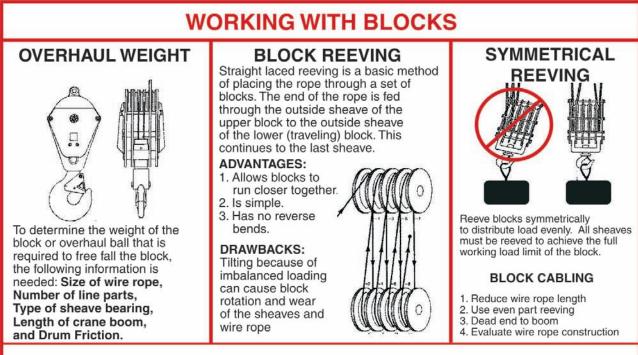
## **Rigging Information**

MECHANICAL ADVANTAGE	ANGLE FACTOR MULTIPLIERS			
$\overline{\mathbb{O}}$	ANGLE	FACTOR	ANGLE	FACTOR
MECHANICAL ADVANTAGE IS THE LEVERAGE	0*	2.00	100"	1.29
GAINED BY A MULTIPLE PART BLOCK.	10"	1.99	110"	1.15
	20"	1.97	120"	1.00
HE THEORETICAL (IGNORE FRICTION)	30'	1.93	130'	.84
ADVANTAGE IS EQUAL TO THE NUMBER	40'	1.87	135'	.76
F PARTS OF LINE SUPPORTING THE	45'	1.84	140'	.68
RAVELING BLOCK (LOAD).		1.81	150	.52
	60"	1.73	160°	.35
	70'	1.64	170'	.17
FOTAL LOAD ON THE BLOCK IS SUM	80° 90°	1.53	180°	.00
BLOCK END FITTING. EXAMPLE PARTS OF LINE = 4 MECHANICAL ADVANTAGE = 4 LINE PULL REQUIRED = 6000/4 = 1500LBS. LOWER BLOCK LOAD = 6000 LBS. REQUIRED W.L.L. = 6000 LBS. JPPER BLOCK LOAD = 6000 + LINE PULL + GEAR = 6000 + 1500 + GEAR = 7500 LBS. PLUS REQUIRED W.L.L. = 7500 LBS. PLUS	TO CHANGE LO BE SUBJECTED GREATLY DIFFE PULL.	SNATCH BLOCK US AD LINE DIRECTIO TO TOTAL LOADS RENT FROM THE L INE PULL TIMES MULTIPLIER	N CAN	



ermine the weight of the proverhaul ball that is do to free fall the block, owing information is d: Size of wire rope, er of line parts, of sheave bearing, n of crane boom, rum Friction.	through the outside sheave of the upper block to the outside sheave of the lower (traveling) block. This continues to the last sheave. <b>ADVANTAGES:</b> 1. Allows blocks to run closer together. 2. Is simple. 3. Has no reverse bends. <b>DRAWBACKS:</b> Tilting because of imbalanced loading can cause block rotation and wear of the sheaves and wire rope	Reeve blocks symmetrically to distribute load evenly. All sheaves must be reeved to achieve the full working load limit of the block. BLOCK CABLING 1. Reduce wire rope length 2. Use even part reeving 3. Dead end to boom 4. Evaluate wire rope construction	