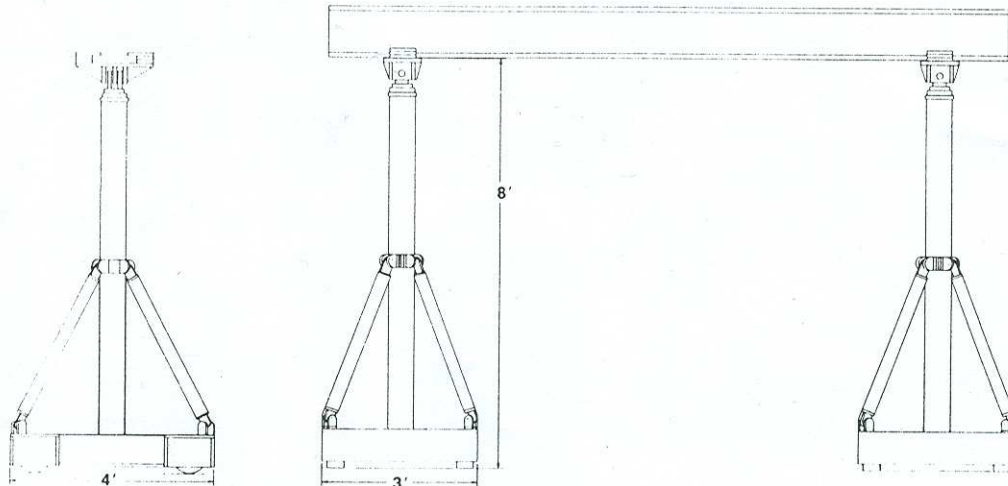




LIFT SYSTEMS, INC.

Model 2050, 2 Point Lift Systems
Model 4100, 4 Point Lift Systems

4 POINT LIFT SYSTEMS



SYSTEM LENGTH Retracted/Extended:

A	10' / 22"
B	6' / 18"

*Patented

Note: Other length connecting tubes can be furnished to meet customer requirements.

SPECIFICATIONS

STANDARD EQUIPMENT:

LIFTING UNIT (Each):

Non-retractable wheel modules. Four wheels per unit. Two stage double-acting cylinder with safety holding valve. Header plate assembly for attaching header beam. Track, beams and propel accessories not included. Self-contained lifting units available.

HYDRAULIC POWER SYSTEM:

100 gallon capacity hydraulic power system. Self-contained: 25 gallon reservoir. Direct manual control valves. Pressure gauge, full-flow return and suction line filters. Oil level indicator. Power options are: Electric 110 and 220 volt, gasoline, dual-fuel, diesel and propane.

LIFTING LINKS:

25 ton capacity each link.

CYLINDERS:

Two stage telescopic double-acting cylinders for power up and power down. Long overlaps and close tolerances for maximum strength and stability.

WEIGHT:

Lifting units approx. 2,200 lbs. each unit, not including beams.

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NOTE: All equipment dimensions, designs, specifications, calculations, etc., as described above, are subject to change at manufacturer's discretion at any time without notice. Data herein is for informational purposes only and will not be construed to guarantee suitability of the machine for any particular purpose as performance may vary with conditions encountered. Warranty will apply as written in standard contract form upon purchase of equipment.

4 POINT LIFT SYSTEMS AND ASSOCIATED LOGO ARE CLAIMED AS A TRADEMARK BY LIFT SYSTEMS, INC.

OPTIONAL EQUIPMENT:

LIFT SYSTEMS:

Consult factory. Lift systems available from 50 ton to 4000 ton capacities. Other models and cylinder configurations available.

LIFTING BEAMS:

Consult factory. Length and weight of lifting beams and cross beams can be furnished to suit customer needs and applications.

TRACK:

Various lengths and weights available to meet maximum capacity requirements.

REMOTE CONTROL OPTION:

Electronic remote control will include 50' control cable, electronic control module to control lifting units, and portable pedestal or harness.

PROPEL CYLINDERS:

Includes two (2) 4' double-acting cylinders for smooth, precise control over heavier loads with a 4' extension or retraction.

GRIPLOCK PROPEL:

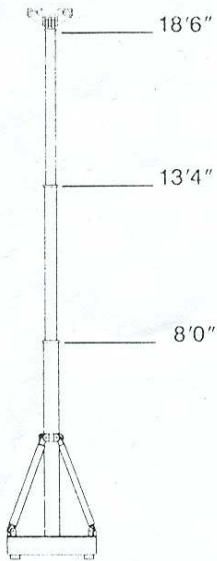
A continuous linear propel unit powered by 4' propel cylinders. Does not include propel cylinders.

DIRECT POWER DRIVE:

Attachment with hydraulic motor drive to high traction rubber wheels to provide continuous propel for long distance travel. For use with Models 2100, 2200 and 4200. Optional hydraulic cylinders for lifting power drives up to allow complete free travel of system.

LIFT SYSTEMS, INC.

MODEL 2050, 50 TON 2 POINT LIFT SYSTEM HYDRAULIC CAPACITY CHART

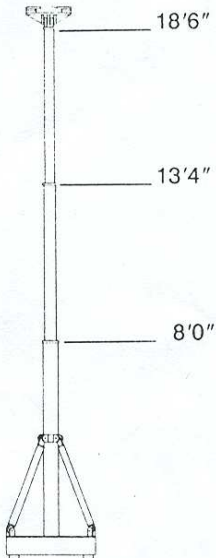


CYLINDER STAGES

Pressure	1140	1000	800	600	400	200
18'6"						
2nd Stage	32 ton	28 ton	23 ton	17 ton	11 ton	6 ton
13'4"						
1st Stage	50 ton	44 ton	35 ton	27 ton	18 ton	9 ton

8'0"

MODEL 4100, 100 TON 4 POINT LIFT SYSTEM HYDRAULIC CAPACITY CHART



CYLINDER STAGES

Pressure	1140	1000	800	600	400	200
18'6"						
2nd Stage	64 ton	56 ton	46 ton	34 ton	22 ton	12 ton
13'4"						
1st Stage	100 ton	88 ton	70 ton	54 ton	36 ton	18 ton

8'0"

NOTES TO LIFTING CAPACITIES

- DO NOT EXCEED MAXIMUM PRESSURE FOR EACH STAGE. All capacities are structural; do not exceed under any circumstances. Consult factory with individual application requirements.
- Loads on all charts are in tons. 2000 pounds per ton.
- The lift system must be plumb and level in all directions. If not level, STOP and RE-LEVEL the track and each lifting unit.
- CAPACITY OF LIFTING BEAMS ARE NOT CONSIDERED and must be calculated by the operator or professional engineer. Beams must be capable of handling the load, including safety factors.
- Lifting units must be operated on FIRM and LEVEL surface. Check ground or floor carefully for adequate support.
- UNLOCK propel mechanism from track when starting to lift loads or setting loads down to allow lift system to center itself with the load. Lock mechanism when load is free

of supports.

- Capacities are pressure calculations; USE AS A GUIDE ONLY. Capacities are accurate within a reasonable percentage. Allow adequate safety factors to compensate for hydraulic efficiency, oil temperature, and other possible variations.
- Use CAUTION WHEN TRAVELING WITH LOADS WHILE EXTENDED. Track must be LEVEL and FIRM to travel with heavy loads.
- Beams must be level during all lifting and lowering of loads.
- Cylinders should be extended to equal elevation during lifting and lowering of loads.
- Read pressure in each cylinder. To compute loads where pressure readings are not equal; divide capacities on chart by total number of cylinders to arrive at the single cylinder capacity for each cylinder.

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LIFT SYSTEMS, INC.

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 FAX: 309-764-9848

NOTES GÉNÉRALES

1.0 Généralités

L'utilisation et l'entretien doivent respecter les exigences et les méthodes d'utilisation prescrites par le fabricant.

2.0 Éléments structuraux

Acier de charpente :

Exécuter les ouvrages en acier de charpente conformément à la norme CSA S16.1 (dernière édition).

Matériaux :

La qualité de l'acier des cornières (L) et des plaques (pl) doit être conforme à la norme CSA G40.21-300W.

La qualité de l'acier des poutres à ailes larges (W), des poutres en T (WT) et des sections tubulaires HSS doit être conforme à la norme CSA G40.21-350W (type H) ou CSA G40.21-350R.

3.0 Soudure

Toute soudure doit être conforme aux exigences de la norme CSA W59 (dernière édition) et être effectuée par un fabricant reconnu par le Bureau canadien de soudage (CWB), division 1 ou 2.1, répondant à toutes les exigences de la norme CSA W47.1.

4.0 Mise à l'essai

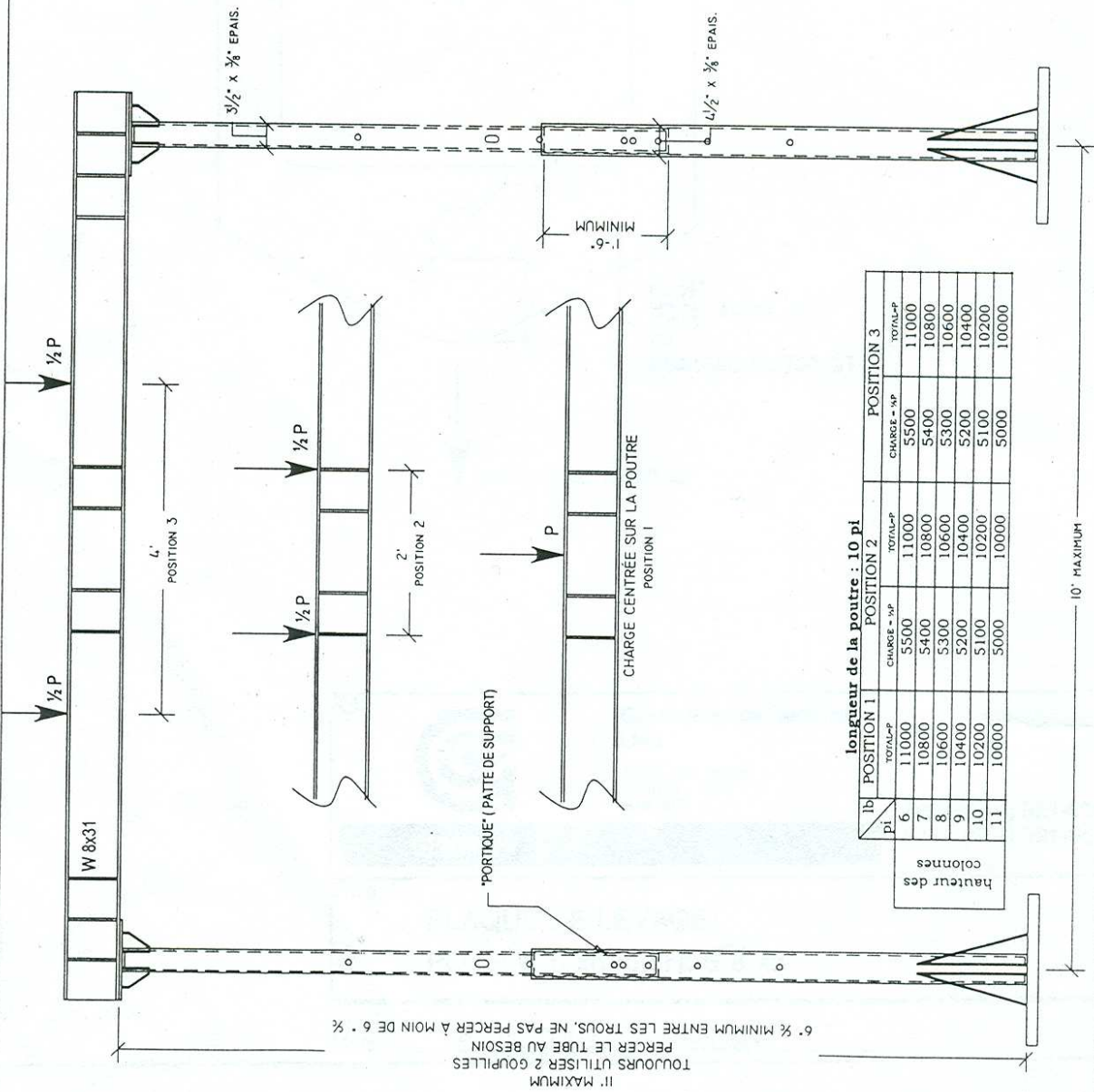
Le montage terminé et avant la mise en service, effectuer les essais appropriés afin de s'assurer que l'équipement peut opérer en toute sécurité.

5.0 Capacité

Capacité de l'ensemble : voir charte

6.0 UTILISATION

- Utiliser avec 2 goupilles mat. 4140
- Vérifier que les roues ont la capacité suffisante pour reprendre les charges si utilisé tel-quel.



longueur de la poutre : 10 pi

pi	POSITION 1		POSITION 2		POSITION 3	
	TOTAL-IP	CHARGE - WP	TOTAL-IP	CHARGE - WP	TOTAL-IP	TOTAL-IP
6	11000	5500	11000	5500	11000	11000
7	10800	5400	10800	5400	10800	10800
8	10600	5300	10600	5300	10600	10600
9	10400	5200	10400	5200	10400	10400
10	10200	5100	10200	5100	10200	10200
11	10000	5000	10000	5000	10000	10000

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GEND-ON

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Titre: _____

POUTRE AVEC 2 GANTRY CROQUIS #GMG-30
CAPACITÉ DE L'ENSEMBLE 6000 lbs

Date: 5-12-2000 Révision: CROQUIS #GMG-30-B