

SPAR-Marathon

ROOFING SUPPLIES

A division of Spar Roofing & Metal Supplies Limited

HS300

HYDRAULIC SWING BOOM HOIST



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|---------------------------|---------------------------|----------------|----------------|
| • Pickering, ON | • Weston (Weston Rd.), ON | • Oakville, ON | • Edmonton, AB |
| • Toronto (Bloor St.), ON | • Weston (Signet Dr.), ON | • Hamilton, ON | • Calgary, AB |
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WEB SITE: www.sparmarathonroofing.com

Hydraulic Swing Boom Hoist HS300

Instruction and safety information

Read before operating the Swing Boom

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WARNING

To avoid injury and/or damage:

- Do not erect the swing hoist near overhead cables, electrical power lines or wires.
- Erect swing hoist on firm and level roof.
- Tighten all bolts and nuts securely and clip all locking pins or swing hoist failure will occur under load and may cause damage or injury.
- Always keep the instruction manual with the machine for reference.
- Do not exceed the rated capacity of the swing hoist.
- Ballast must always be twice the weight of the load on the unit. (600 lbs. of counterweight required for 300 lbs. of maximum load on the unit.
- Inspect all joints, cable, brake and connections before each use. Replace if damaged.
- Do not run cable completely out from the drum. Leave at least 4 turns of cable on the drum
- Do not remove safety covers when engine is running.
- Read the engine manual and follow the instructions and warnings.

SPAR-Marathon's Hydraulic Swing Hoist 300 is designed and manufactured for hoisting materials only. Any other use of this equipment will void any warranty or responsibility, expressed or implied, on the part of the manufacturer.

SPECIFICATIONS

Operation	Hydraulic
Capacity	300 lbs.
Overhang Distance	48"
Ballast Required	600 lbs.
Weight of Hoist	155 lbs.
Maximum Height Under Hook	86"
Cable Length	75 feet.
Cable diameter	5/32 inch.

RAISING THE SECTIONS

Each section of the Swing Boom Hoist is designed for ease of transport and assembly.

- 1) Place the sections at the base of the wall below the site of operation.
- 2) Have an operator on the ground to tie off and guide the sections, while two operators on the roof lift the sections up.

ASSEMBLING THE SWING HOIST

Begin the assembly of the hoist by placing all sections on the roofdeck, far away from the roof edge.

- 1) Attach the ballast box to the ballast leg assembly with a bolt and nut.
- 2) Set the front leg assembly in an upright standing position.
- 3) Align the ballast leg assembly with the front leg assembly. Slide the ballast leg

assembly into the front leg assembly's socket. Join the ballast assembly and the front leg assembly with a bolt and nut. Level the front leg then tighten the wing screw on the socket.

- 4) Attach the boom over top of the front leg assembly and onto the lower bearing. Position the boom lock lever at the base of the boom and insert the wing screw. Tighten the wing screw, then back off $\frac{1}{4}$ turn. Secure the boom by placing the spring pin at the top of the front leg assembly.
- 5) Secure the Stabilizer rod on either side of the front leg assembly with two bolts and nuts on the opposite side of the boom.
- 6) Install operator fence on the opposite side of the stabilizer bar.
- 7) Make sure all connections are tightened, then move the hoist assembly to desired location for operation.
- 8) Place required optional counterweights in ballast box.

⚠ Warning

Ballast weight should be 2: 1
i.e. 200 pounds of counterweight are required for
each 100 pounds of load on the unit.

- 9) Mount the Winch and wire rope. Attach the Engine, Hydraulic Tank and the Winch control valve.
- 10) Connect all hoses, check hydraulic fluid. Run cable through pulleys.
- 11) Turn on position choke, pull start, let the engine warm up.
- 12) Check all hose connections for leak.
- 13) Install cable weight.

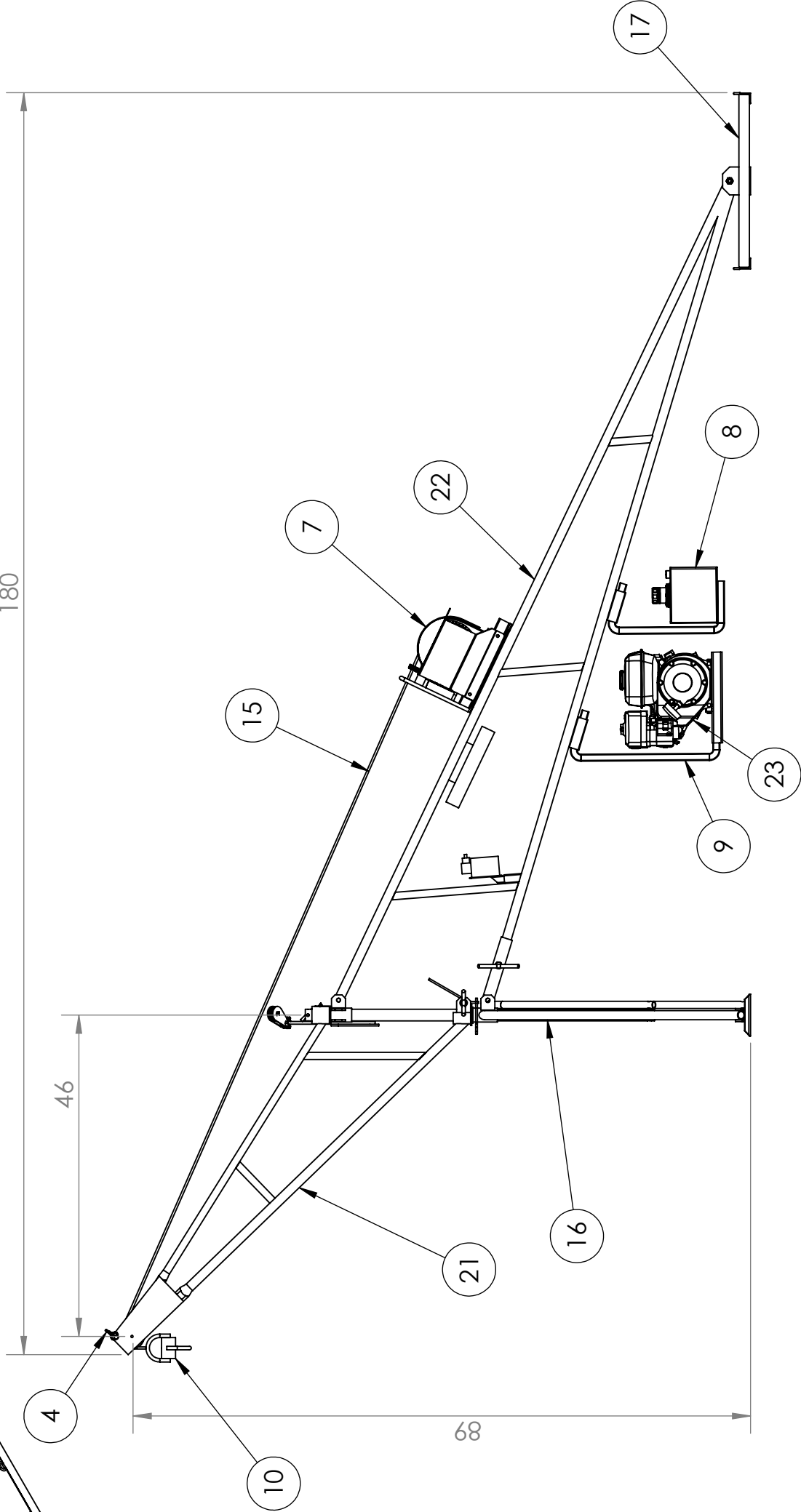
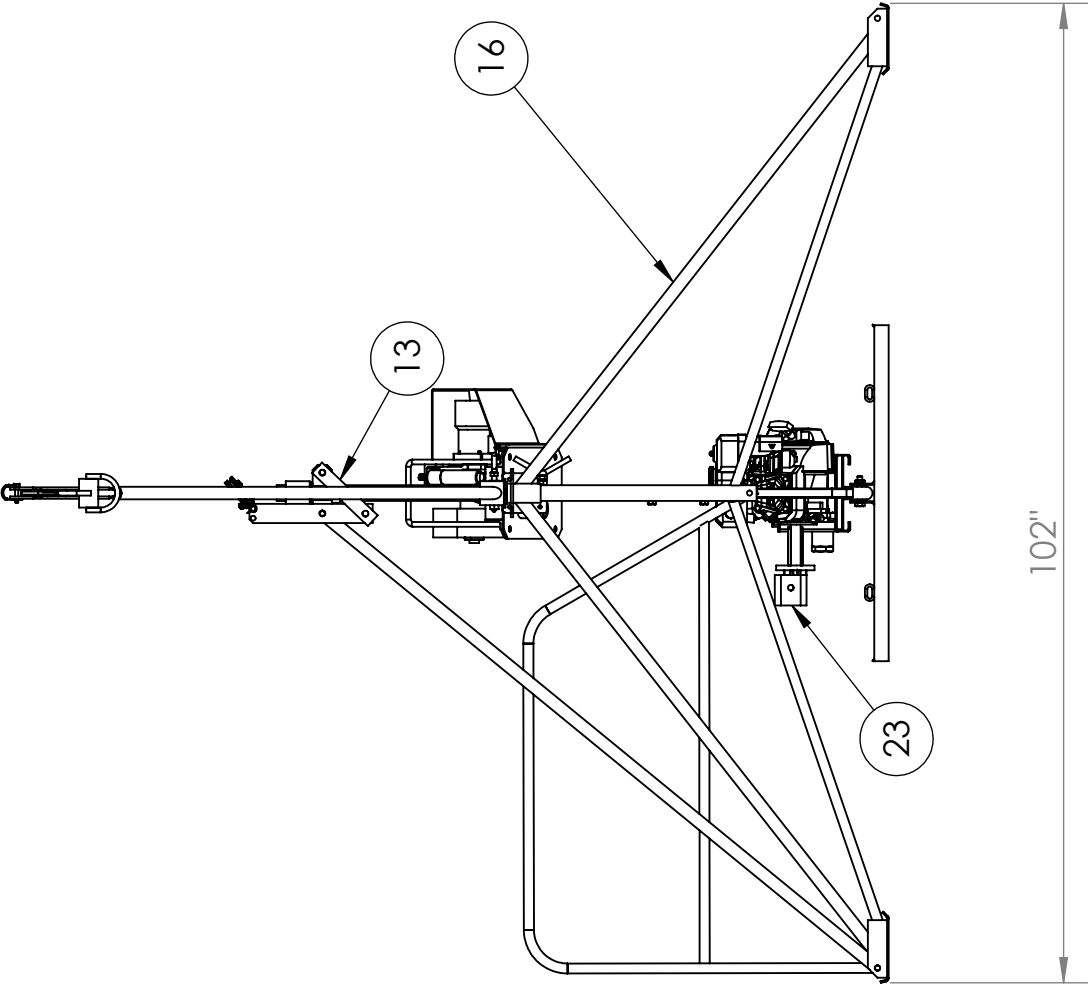
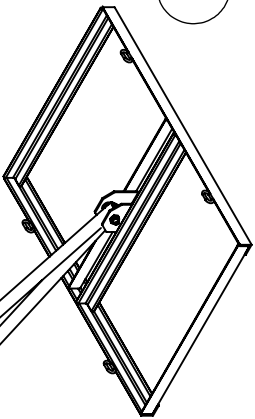
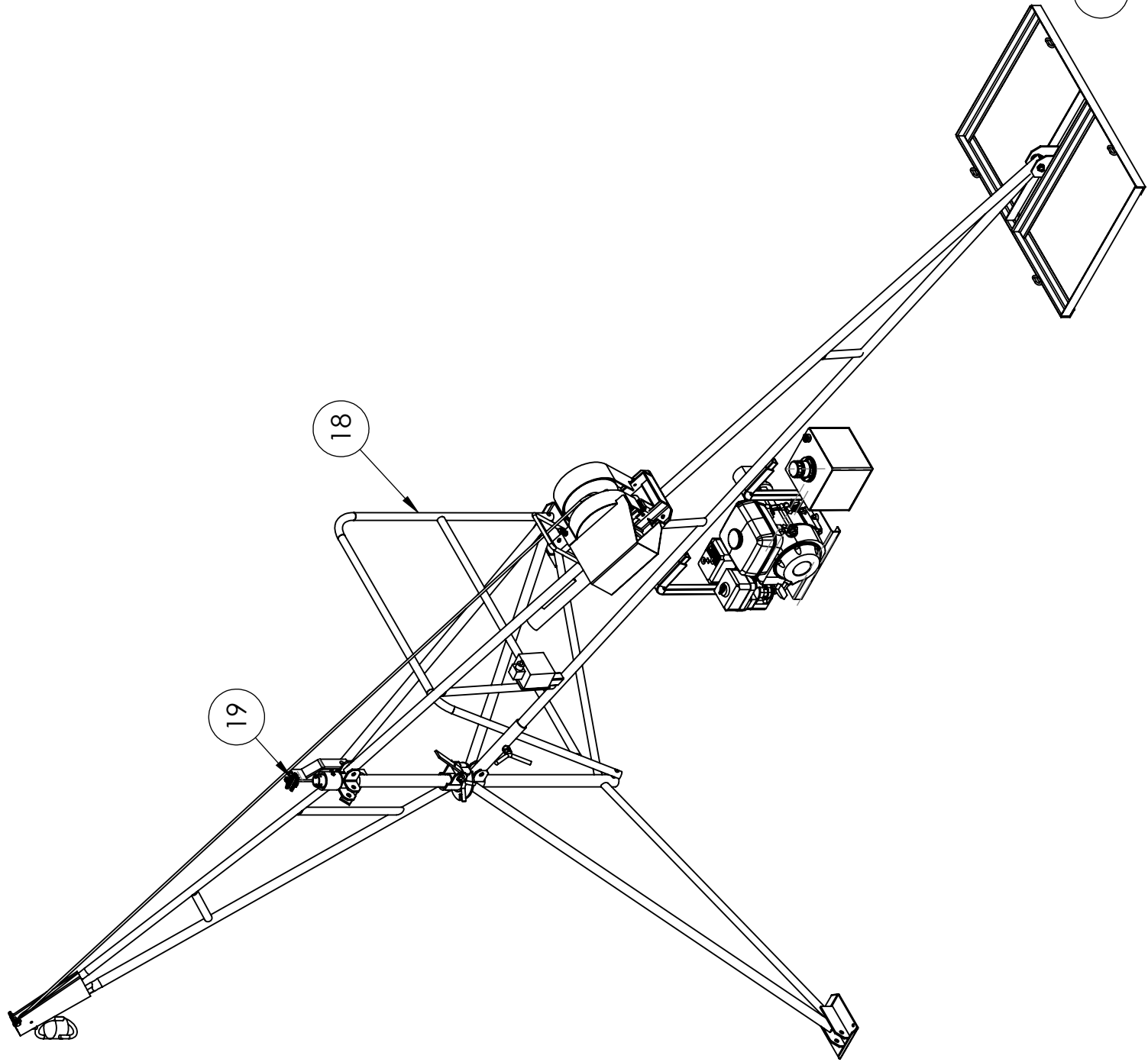
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	3555T46	PIN SHACLE	1
2	5905K133	NEEDLE ROLLER BEARING	1
3	98126A653	SHIMS	2
4	98480A014	Clevis Pin	1
5	Coupling 1_1_2		1
6	HPG-169A	WINCH CONTROL VALVE	1
7	HS300-A4	HYDRAULIC WINCH	1
8	HS300-A10	HYDRAULIC TANK ASSLY	1
9	HS300-A12	ENGINE HANGER	1
10	HS300-A17	CABLE STOPPER	1
11	HS300-A18	VALVE BRACKET	1
12	SH300-73	LIFTING PULLEY	1
13	SH300-75	TIE BAR	1
14	SH300-80	BUSHING-1	1
15	SH300-90	WIRE ROPE	1
16	SH300-A3	FRONT LEG ASSEMBLY	1
17	SH300-A5	BALLAST TRAY ASSEMBLY	1
18	SH300-A6	OPERATOR FENCE ASSEMBLY	1
19	SH300-A8	DEFLECTION PULLEY ASSEMBLY	1
20	SH300-A9	STIFFENNER ASSEMBLY	1
21	SH300-A10	SWING BOOM	1
22	SH300-A12	BALLAST LEG ASSEMBLY	1
23	SH300-A13	ENGINE ASSY	1

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UNLESS OTHERWISE SPECIFIED:		NAME		DATE
		RM	26JAN2026	
DIMENSIONS ARE IN INCHES		DRAWN	CHECKED	
TOLERANCES:				
FRACTIONAL: ±		ENG APPR.		
ANGULAR: MACH. ±				
HOLE PLACEMENT: ±		MFG APPR.		
THREE PLACE DECIMAL ±				
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.		
MATERIAL		COMMENTS:		
FINISH				
DO NOT SCALE DRAWING				

SPAR MARATHON ROOFING SUPPLIES			
TITLE:			
HS300 HYDRAULIC SWING HOIST ASSY			
SIZE	DWG. NO.	REV	
C	SH300-A7		
SCALE: 1:48 WEIGHT:		SHEET 1 OF 1	

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