

Skagit T-90 Steel Tower Trailer or Self-Propelled

The T-90 steel tower is designed to meet any yarding requirement that can be handled with a 1-1/4-inch mainline.

A short wheelbase and full reversing travel drive gives the T-90 maximum maneuverability in the woods or at the landing in either trailer or self-propelled configuration.

When the tower is retracted and lowered on its travel support, the T-90 uses the same roads as a log truck...eliminating the need for extra road building.

Highway transportable, the T-90 can be easily moved from one area to another by lowering the tube and adding a tag axle at the guyline end.

Transporting the self-propelled on the highway also requires removal of steering tires and wheels and attaching it with a gooseneck to the truck.

Positive control when raising or extending tower is provided by single-speed hydraulic winches with reversing, self-locking worm drives.

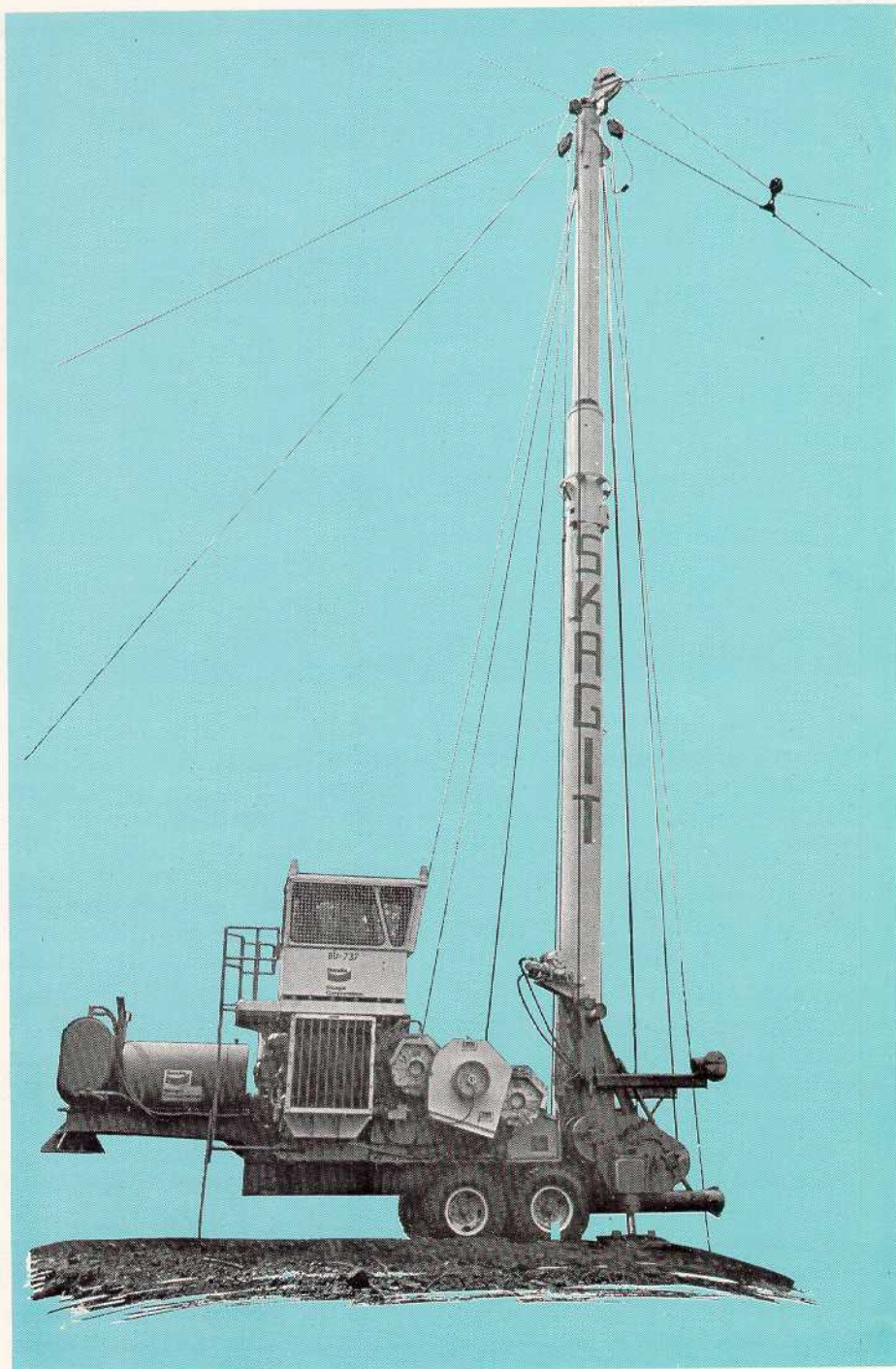
Hydraulically powered drums tension the guylines.

A jaw clutch and drag brake on each guyline drum permits payout of line with maintained tension during telescoping of the tower or freewheeling of drums when taking out guylines.

Safety is a key factor in the design of Skagit towers...extra guards provide greater operator protection...positive lock in the telescoped position.

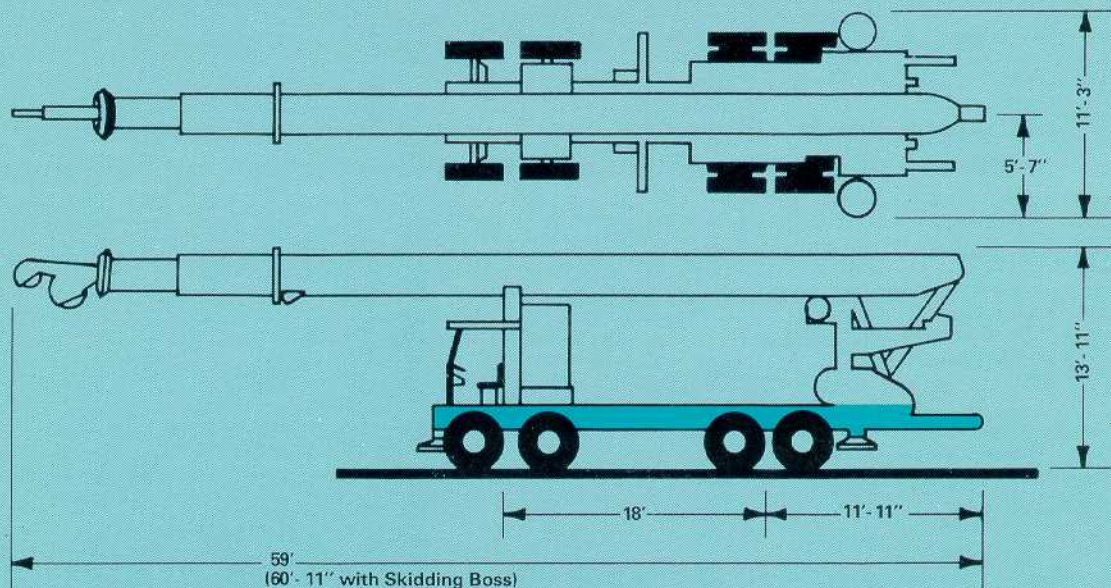
Pulling for you

...with everything we've got



**Skagit
Corporation**

Skagit T-90 Specifications



Tower

Telescoped height (feet)	90
Upper Section O.D. (inches)	24
Upper section wall thickness (inches)	1/2
Lower section O.D. (inches)	30
Lower section wall thickness (inches)	3/8

Tower Capacity

Mainline (maximum inches) ..	1-1/4
Haulback (maximum inches) ...	7/8
Skyline (maximum inches) ...	1-1/4
* Skidding line (maximum inches)	3/4

*For combinations and usage,
see the tower serial plate.*

Guyline Drums

1-1/4-inch cable capacity (feet) 200
Driven by six single-speed hydraulic
motors...independent air clutches...
hand-operated brakes and dogs.

Fairleads

Mainline sheave pitch diameter (inches)	30
Haulback sheave pitch diameter (inches)	20
Strawline sheaves — two bullseye- type (inches)	10
* Skidding sheave pitch diameter (inches)	19.5

All fairleads are full roller bearing
with 360-degree full swivel arrange-
ment.

Stabilizers

Three hydraulic jacks — two at guy-
line end, one at gooseneck end.

Raising System

Single-speed hydraulic winch...re-
versing, self-locking worm drive with
155 feet of 10-part, 3/4-inch, 6x37
IWRC wire rope.

Telescoping System

Single-speed hydraulic winch...re-
versing worm drive with safety brake
...112 feet of 2-part 3/4-inch 6x37
IWRC wire rope.

Undercarriage (self-propelled)

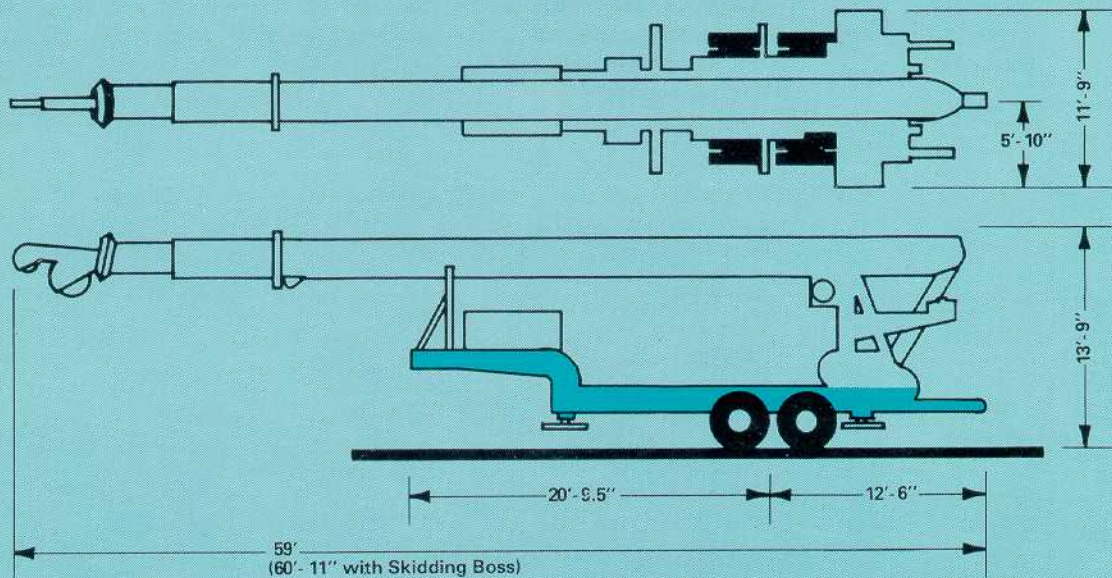
Stinger-type push bar, equipped for
tag axle attachment...93-inch track
tandem drive axle with 10.00—20,
14-ply rating tires...travel drive ar-
rangement from yarder...tandem
steering axles with 93.5-inch track
and four 18—22.5, 16-ply rating su-
per single tires...forward-mounted
driving cab with controls for under-
carriage...500-gallon capacity fuel
tank (300-gallon capacity fuel tank
when water-cooled yarder is used).

Travel Speed (self-propelled)

Fourteen miles per hour with BU-737
yarder.

** Optional*

Skagit T-90 Specifications (continued)



Gradability (self-propelled)

Eighteen percent.

Undercarriage (trailer)

Stinger-type push bar equipped for tag axle attachment...gooseneck with fifth wheel and pin bolt on attachment...9-foot wide (7-foot track) dual wheel, tandem axles and suspension with eight 11.00—22, 12-ply rating tires...four-wheel air brakes with emergency valve...gladhands on gooseneck for truck attachment...500-gallon capacity fuel tank (300-gallon capacity fuel tank when water-cooled yarder is used).

Air System

Provision for air from yarder air system...valve to release tower telescoping locks...valve bank at guyline end to operate guyline clutches.

Hydraulic System

Sixty GPM hydraulic pump for yarder mounting...suction filter...one valve bank at gooseneck end to operate one jack, tower raising winch, and tower telescoping winch...one valve bank at guyline end to operate two jacks and guyline drum drive motor...two equalizing valves between guyline end jacks.

Approximate Weight of Trailer with BU 737

Three-Drum Yarder

Empty (pounds) 84,600
With lines and fuel (pounds) 103,800

Approximate Weight of Trailer with BU-737

Four-Drum Yarder

Empty (pounds) 93,800
With lines and fuel (pounds) 115,000

Approximate Weight of Self-Propelled with BU-737 Three-Drum Yarder

Empty (pounds) 98,400
With lines and fuel (pounds) 117,600

Approximate Weight of Self-Propelled with BU-737 Four-Drum Yarder

Empty (pounds) 107,500
With lines and fuel (pounds) 128,800

Options

T-90—1. Skidding boss with fairlead for gravity carriage logging.

T-90—2. Detachable gooseneck for highway moving with 52-inch standard fifth-wheel height (self-propelled only).

