

SLS 50/100 SLIPLINING SYSTEM

Modular Sliplining Frame Part No. F40700F

Electric Power Pack Part No. F40710, Diesel Power Pack Part No. F40788



Modular Frame to install 30-102-in OD pipe up to 20-ft Joints
Wireless Remote Controller for In-Shaft Operation



Features

The SLS 50/100 is a pipe jacking system used for the rehabilitation of live sewer lines that are 30-102-in. in outside diameter to eliminate the need for sewage bypass pumping during installation

Prior to sliplining operations, the contractor is responsible for removing the top half of the existing pipe and clearing the tunnel of debris

Modular Sliplining Frame accommodates up to 20-ft. pipe lengths and various pipe diameters with the addition of spacers and extensions, features right and left side hydraulically driven and linked pipe elevators for careful lowering and positioning of pipe segments

Operator controls sliplining operations using a wireless remote controller with LCD screen to control the main drive, bidirectional travel, brakes, speed control, elevators, pipe clamp, winch, lights, E-Stop, and an additional auxiliary function; LCD screen displays jacking tonnage, load sense pressure

Thrust force is produced by two-speed dual (SLS 50) or quad motors (SLS 100), chain-driven planetary gearboxes advance the pipe axially into position and feature electrical speed sensors for consistent travel

Pipe adapters match the pipe diameter and provide a 360-degree surface to minimize point pressure on the pipe and transfer thrust to the pipe

Frame retention winch and pipe clamp assist with positioning and counterbalance flow force and keep pipe string compressed

200 HP Electric or 215 HP Diesel Power Packs provide power to sliplining system and auxiliary functions; includes 50-ft. of power cable and 100-ft. of generator cable hose reels; 50-ft. extension kits are available

Live remote access of system data, data logs, graphs and system documentation through cellular data and modem installed in the power pack; accessed through web app interface

Features data logging capabilities

Optional adjustable or fixed diameter prover, fixed mandrel or pipe shield/saver are available

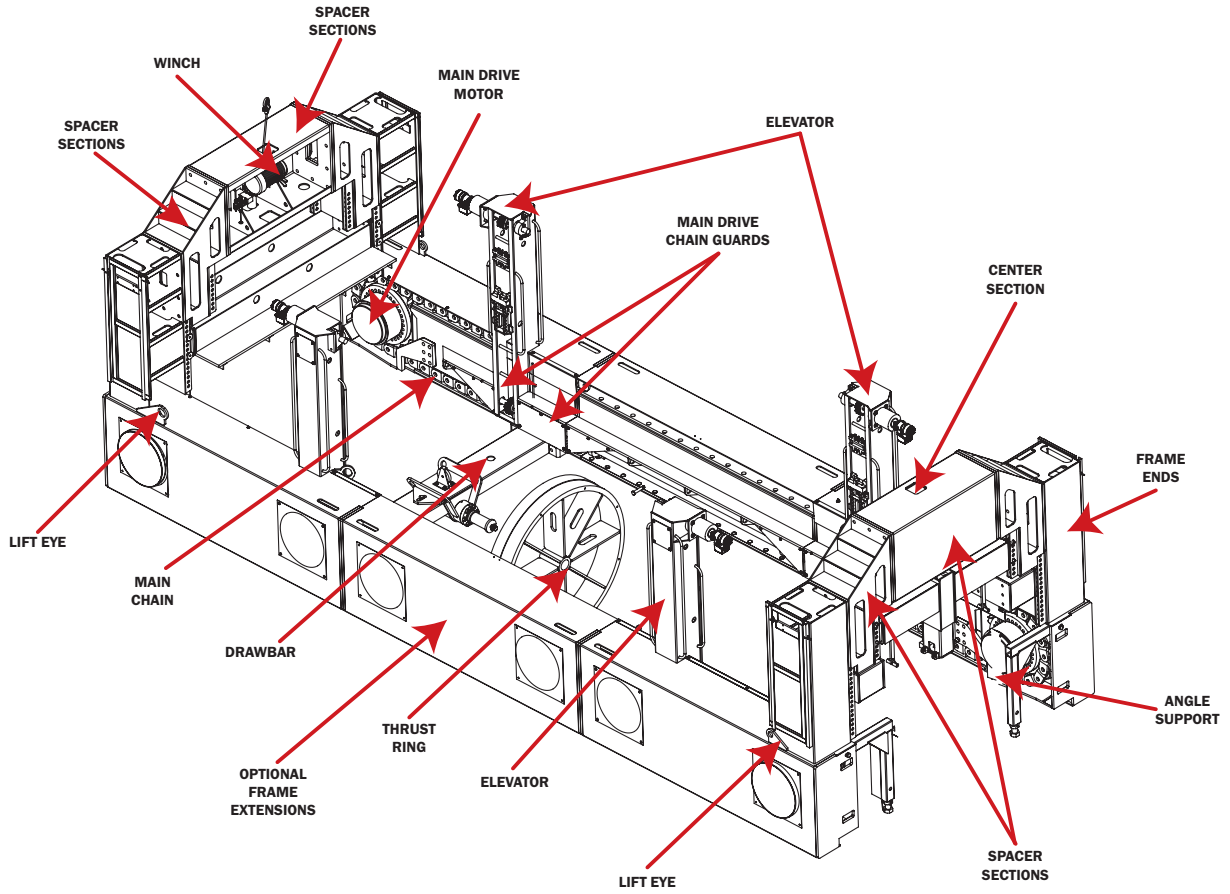
Electric Tricon or Diesel Bicon containers are ISO sized for ease in shipping

Specifications

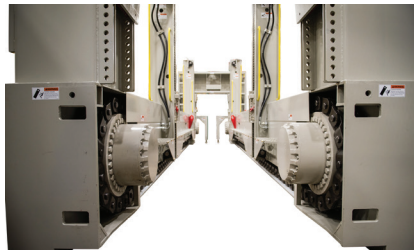
Frame Dimensions	Min. 20-ft (l) for 10-ft pipe joint (6.1/3 m) Max. 30-ft (l) for 20-ft pipe joint (9.1/6.1 m) 8.5-ft (h) (2.6 m) 8-ft (w) w/ 30-in OD (2.4 m/762 mm) 12-ft (w) w/ 78-in OD (3.7/1.98 m) 14-ft (w) w/ 102-in OD (4.3/2.6 m)
Weight	Dual Drive - 36,000 lbs (16,329 kg) Quad Drive - 42,000 lbs (19,050 kg)
Main Thrust Drive Dual Drive (Standard) Thrust Capacity Speed Quad Drive (Optional) Thrust Capacity Speed Maximum Draw Bar Travel	65-ton (54 mt) 0-27-ft/min (0-8.2 m/min) 130-ton (118 mt) 0-13-ft/min (0-3.9 m/min) 22.75-ft (6.9 m)
Pipe Positioning Elevators Vertical Travel Lifting Capacity Travel Rate	71-in (1,803 mm) 20,000 lbs (9,072 kg) 12.5-ft/min (3.8 m/min)
Pipe Clamp Axial Gripping Force Radial Force	12,000 ft-lbs (5,443 Nm) 10,000 ft-lbs (4,536 Nm)
Winch Capacity Travel Rate	12,000 lbs (5,443 kg) 0-20-ft/min (6.1 m/min)
SLS 50/100 Power Pack Electric or Diesel Options	200 HP (149 kW) Electric Motor or 215 HP (160 kW) Tier IV Engine w/ 200 gal (757 L) Fuel Tank Capacity (3) Variable Displacement Pumps (2) Hydrostat 46 gpm @ 4,200 psi (174 L/min @ 290 bar) (1) Load Sense 21 gpm @ 2,000 psi (79 L/min @ 138 bar) 100 gal (379 L) Hydraulic Reservoir Weight - 10,000 lbs (4,536 kg)

Akkerman reserves the right to improve its products without notice or obligation.

Sliplining System



Electric Power Pack



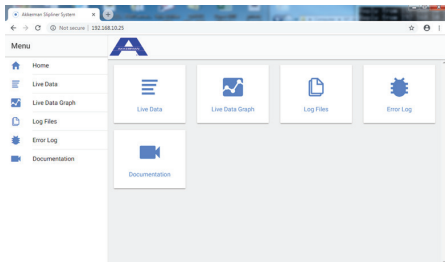
Main Drive Motor and Chain



Pipe Thrust Ring



Wireless Remote Controller



Web App Interface



Pipe Elevators



Pipe Placement



Optional Mandrel or Prover



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