

PART 1



STURDA DEPLOYER

OPERATOR MANUAL

Revision Date: August 21st, 2022

Under no circumstance is this document to be copied, altered, or distributed without the consent of Sturda Inc.

TABLE OF CONTENTS

1. What is the Sturda Deployer?
2. Product Specifications
3. Pre-Operation Specifications

WHAT IS THE STURDA DEPLOYER?

The Sturda Deployer is a key enabler for the safe installation of the Sturda Backfill Barricade and the Sturda Ventilation Wall.



HOW DOES IT WORK:

- The Backfill Barricade or Ventilation Wall is assembled horizontally on the Deployer arm while in the rest position
- The Deployer is moved into position using a forklift. Once in place, the arm is deployed hydraulically lifting the wall into a vertical position
- Once the Backfill Barricade or Ventilation Wall has been installed, the Deployer can be removed and used again.

BENEFITS:

- Keeps workers at a safe distance from the brow
- Reusable
- Ease of operation
- Easily maneuverable



PRODUCT SPECIFICATIONS

The Sturda Deployer has been designed and engineered to accommodate the size of your drifts while providing the required power to erect your Sturda Backfill Barricade of Ventilation Wall

Deployer Frame

Height (in.)	47
Width (in.)	44
Length (in.)	138
Weight (lbs.)	1524

Hydraulic Cylinder

Bore Diameter (in.)	2-1/2
Stroke Length (in.)	48
Rod Diameter (in.)	1-3/4
Retracted Length (in.)	56
Force at Max. Pressure (lbs.)	14,719

Additional Parts

- HPU supplied with 4 station pendant & 6-meter cable – Horizontal setup
- (2)** 2.5" x 6" Pin cylinder
- (1)** 12 VDC power pack
- (1)** 2 directional valve
- (1)** 2.6-gallon reservoir
- Motion control assembly, preset, low flow
- Motion control hard tube mounting kit

PRE-OPERATION SPECIFICATIONS

Prior to commissioning the Sturda Deployer, verify that all pre-operation criteria are met to ensure safety and optimal productivity

Pre-Operation Checklist:

- Has the operator been trained sufficiently on how to operate the Sturda Deployer
- Are personnel situated a safe distance behind the Sturda Deployer prior to installation
- Is the area free of debris or any other loose material that could hinder the success of the Sturda Deployer
- Is the battery sufficiently charged and is an available power source nearby
- Is a forklift available that can sufficiently lift the weight of the Sturda Deployer
- Are the Master Switch and pendant fully functional



If you are unable to check every box above, do not commission the Sturda Deployer and contact a Sturda Inc. representative.



2555 Maley Drive Unit 3
Sudbury, ON · P3A 4R7

Telephone: (705) 419-2626
Web www.sturda.com