Hydraulic Powered Belt Storage Units can be configured to fit any above-ground or underground mining operation. They are available in any belt width and allow for multiple belt storage capacities from 40-50 feet up to 400-800 feet and larger.

Multiple designs can be used for long panel advancements on a main belt line to prevent frequent belt splicing. When used in conjunction with a constant tension winch, they are able to control belt tension based on load cell readings.

**BENEFITS:**
- Can offer an option of belt splicing tables with power clamps to a basic storage unit design
- Multiple lap configurations available
- Work closely with our engineers to create custom units to your preferences
- Ability to offer storage units from the smallest to the largest
- Custom guarding options

**Load Compression Cell**
Instruments used to measure force, called load cells (located under pulley), assist in controlling belt tension. VFD starters will control tension based on load cell readings.

**“Back” Support for Roof Mount**
A self-supporting frame mounted to the roof “back” support system was applied to meet the customer’s specific needs.

**Upper & Lower Frame**
Made from heavy-duty structural steel, this unit is manufactured and assembled as separate upper and lower stationary frames. This design allows for easier installation and maintenance.

**Reverse Angle**
12” Diameter Hydraulic Cylinders
Two 12” diameter heavy-duty steel hydraulic cylinders (108” stroke) on each level operate the upper and lower moveable carriages.

**14”x57” Drum Pulley**
This unit has five 14”x57” crowned-face mine-duty drum pulleys: 1/2” minimum rim thickness, 5 15/16” shaft, 4 15/16” through keyless locking element, equipped with 3 15/16” solid, 4-bolt bearings.

**20”x57” Take-up Pulley**
This unit has four 20”x57” crowned-face mine-duty take-up pulleys: 1/2” minimum rim thickness, 5 15/16” shaft, 4 15/16” through keyless locking element, equipped with 3 15/16” solid, 4-bolt bearings.

**26”x57” Take-up Pulley**
This unit has four 26”x57” crowned-face mine-duty take-up pulleys: 1/2” minimum rim thickness, 5 15/16” shaft, 4 15/16” through keyless locking element, equipped with 3 15/16” solid, 4-bolt bearings.

**32”x57” Pulley**
Two 32”x57” crowned-face mine duty pulleys: 1/2” minimum rim thickness, 5 15/16” shaft, 4 15/16” through keyless locking element, equipped with 3 15/16” solid, 4-bolt bearings.

**Carriage Frame Construction**
Moveable carriage frame construction of this belt storage unit allows the 1 lower frame and 2 upper frame to be moved or adjusted separately.

**Smart Feature:**
All pulleys on this belt storage unit are equipped with the same 3 15/16”, 4-bolt solid bearings, even though pulley sizes vary. This eliminates the need for additional spare parts inventory.