Belly Pan Hoist

The Trilift® Belly Pan Hoist model DT (Part No. TL10023) has been designed and manufactured for the easy and safe removal of the belly pan from dozers, scrapers etc., in areas of difficult terrain such as on wet wash down pads and rough workshop floors.
Why do you need a Trilift® Belly Pan Hoist?

We all know safety in the mining industry is paramount and as such the old methods of removing vehicle components is no longer adequate. Traditionally, maintenance personnel would use a mobile crane, chain and sling to remove a belly pan from a vehicle, which is dangerous and occasionally fatal.

Hedweld have designed and manufactured the Belly Pan Hoist for the easy and safe removal of the belly pan from dozers, scrapers etc., in areas of difficult terrain such as on wet wash down pads and rough workshop floors.

The Belly Pan Hoist model DT has two, 9.8 inch diameter castor wheels at the handle end to enable easier movement over a rough workshop floor. A hydraulic motor powered 11.8 inch diameter rubber wheel at the other end of the table frame ensures that optimum traction is achieved.

What our customers said when asked about the Trilift® Belly Pan Hoist:

“The Belly Pan Hoist has provided more safety and less time to remove our belly pans. Before when we used the chain/sling there was no way of telling when the sling could break when adjusted with the overhead crane. Additionally the overhead crane has a lot of movement making it difficult to account for tightness or controlled accurate tension of the chain. As chains do not have stretch or give, it could break at any time if our guys were not careful.” With the Hedweld tool, “we have finer control, and much more safety”.

Verlyn Cook  Mine Maintenance Supervisor at Simplot Phosphates LLC.

The top plate of the Belly Pan Hoist has been pre-drilled to accept a range of component specific Trilift® jigs and other tooling, making this tool quite versatile in the removal of small OEM vehicle components. These include:

- Slope Jig (Part No. TL10006)
- Cat 793 A-Frame Pin Tool (Part No. TL10022)
- Pump Jig (Part No. TL10021)
- Component Balance Tool (Part No. TL11001)

Specification sheets are available for each of these jigs.
Features and Benefits

- One person, self-propelled operation - more efficient
- Easy maneuverability over rough floors
- Convenient low profile access to underside of dozer
- Frame designed to ensure that the Belly Pan can be removed without jacking up the vehicle - saving time
- Adjustable height
- 360° turntable rotation for precise pan location
- Air over hydraulic operation so it quickly taps into the workshop's air supply
- Maximum safe lifting capacity of 1,540 lbs to ensure stability when supporting a Belly Pan
- Can safely lower a Belly Pan full of debris with a total mass of 3086 lbs
- Has support springs fitted to the tee bar handle to reduce operator fatigue

Common sense

The Trilift® Belly Pan Hoist is one of Hedweld's top selling products simply because it applies common sense to a long existing problem.

Using this tool with it's associated jigs makes the maintenance of mining and earthmoving vehicles safer and does it in a more time, space and resource efficient manner.

What our customers said when asked about the Trilift® Belly Pan Hoist:

“The Belly Pan Hoist is so much more stable and we feel confident and safe when we use it. Not only was the safety factor improved but so was the stability of the machine when removing the Belly Pan.”

Darren, mechanic for Hibbing Taconite.

At Hedweld we have a vision that all workshop bays are being used efficiently, utilizing specialized tooling that is purpose built for component handling, with the ultimate outcomes of:

minimizing workplace injuries and maximizing availability.
Specifications

The Trilift® Belly Pan Hoist is compliant with the following standards:

- AS/NZS 3679.1:2010 Hot-rolled bars and sections.
- AS/NZS 1252:1996 High strength steel bolts with associated nuts and washers for structural engineering

Key Dimensions

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<tr>
<td>C</td>
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<td>D</td>
<td>Lowered height</td>
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Key Operating Data

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<tr>
<td>Nominal Air Pressure</td>
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Through innovation we provide improved safety and efficiency