



Swing Invent Holdings Pty Ltd



Versatile, practical and innovative... yet surprisingly uncomplicated.

Swing Invent Holdings (SIH) Slimline Pedal Assembly eliminates the issues that restrict traditional swing pedals and joystick controls configurations currently installed in Draglines, Power Rope Shovels, rendering them costly also increasing operator fatigue. SIH pedals can be retrofitted to Caterpillar, Marion, BE and P&H draglines globally are fitted with the necessary controls to suit existing control system. SIH Slimline pedals are your solution in every sense increasing profits, reduce downtime.

Serviceable

SIH Slimline's fully self-contained housing simplifies servicing by providing easy access to swing control gear from within the cabin. Maintenance and repair tasks can be performed on site quickly and safely without restrictions, reducing downtime significantly.

Versatile

It's easy to put SIH Slimline to work across your fleet of draglines & power shovels, offering customised mounting solutions available for both console and floor mounted applications fitted with required control systems. Please see over for more details about componentry.

Adaptable

SIH Slimline Pedal Assemblies are designed to integrate almost instantaneously with your existing equipment. to Caterpillar, Marion, BE and P&H draglines configurations Slimline can be retrofitted without the need for specialist skills, drilling or removal of cabin flooring. Installation is a simple and inexpensive "plug and play" task.

Safety & Ergonomic

Comfort and bio-dynamic support are central to the SIH Slimline Pedal concept - and the key to reducing lost time injuries. The unique SAFETY auto returns each pedal to neutral, pivoting action of the pedals, clutter-free design and adjustable console pedal reach foster a safe, comfortable, flexible environment for every operator who steps into the chair.



Ergonomic.
Efficient.
Enduring.
Economical.

SIH Slimline Pedal Slide Rotation Console Mounted

SIH Slimline pedals are an innovation in ergonomics and functionality. This unique positioning pedal treads allows operators to position the pedal irrespective gender or frame size when operator is sitting in the chair improves ergonomics, posture also reducing operator fatigue.

SIH Slide Rotation Brackets have 3 key features:

1. 4 locked positions along the 2 arms forward & back closer to the console.
2. 4 locked positions raise & lowering the 2 arms.
3. 4 locked pedal rotation positions pivoting on the centre line of the pedal housing where the pedal treads are raked towards the operator whilst seated in the operator chair.

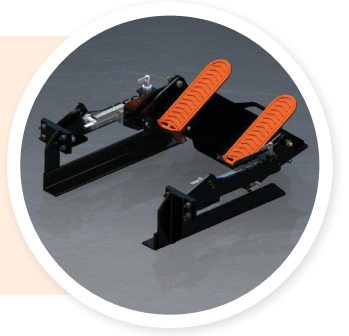
These 3 key features listed above with the narrower pedal stance adopts a more neutral ergonomical position, increasing operational effectiveness and reducing operator fatigue and the risk of injury. SIH Slimline pedals can be supplied compatible with new or existing control systems such as Potentiometer, Resolver, Absolute Encoder, 4 – 20mA + & - , 0 – 10Volts + & - , or Hall Effect control systems, making SIH suitable for a range of machine applications.



SIH Floor Frame

This SIH Slimline Floor Frame allows the Pedal Assembly to be easily retrofitted to the cabin floor in place of draglines and power rope shovels.

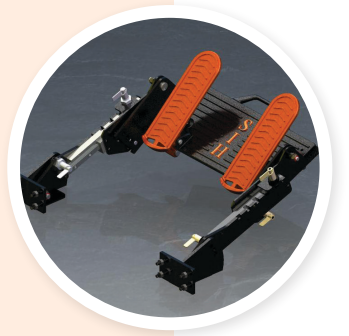
This Floor Frame is supplied with a removable spacer bar that assists with accurate installation but will not become an ongoing operator hazard.



SIH Slide Rotation Bracket for Console Applications

SIH Slimline Slide Rotation Bracket offers the ultimate operator comfort permits unprecedented flexibility in the positioning of the Pedal Assembly relative to the console and machine operator. By adjusting the streamlined track arm design, multiple height and reach settings can be achieved which increase operator comfort, reduce operator fatigue and injuries associated with existing machines which have poor ergonomics for the operator posture.

This mounting application allows simplified servicing tasks. Retrofitting SIH swing pedals your installation is a simple plug-in play process that causes minimal downtime.



SIH BE Floor Adapter Mount

Installation SIH BE floor plate, there is no guesswork required. This bracket mounting utilises existing BE pedal fixing holes allowing a simple retrofit of the SIH Slimline Pedal Assembly to their existing draglines & power rope shovels in a matter of minutes. Simply tighten the bolts and go.

