

HUSKI MINI EXCAVATOR BOOM DESIGNS

- CONVENTIONAL
- VARIABLE ANGLE



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1800 425 438

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A DIVISION OF



MATERIAL HANDLING

THE NEW HUSKI CONSTRUCTION RANGE OF MINI EXCAVATORS UTILISE BOTH THE CONVENTIONAL AND VARIABLE ANGLE BOOMS

In recent times, plant owners and operators strive to make their equipment as versatile as possible to meet a broad range of site conditions. Now with so many options now available to the market, it's easy to become confused by which features best suit a particular application.

Many factors come into play when choosing the correct machine configuration right for your needs, such as the working range of the boom, material density, desired production, use of attachments and quick couplers to name a few.

The new **Huski Construction Equipment Mini Excavator** utilises boom swivel to allow the operator to dig in tight access as a standard across all models, however there is one point of difference when it comes to their boom design on the largest machine offered, the **M13K– M55U** range is fitted with a conventional boom whilst the **M60U** is fitted with a variable angle boom.

This makes the **M60U** stand out in the crowd Variable Angle Booms are traditionally only seen on large capacity excavators, not Mini Excavators. The **M60U** is currently the only Mini Excavator available on the Australian market fitted with a variable angle boom. Variable angle booms have many benefits, but are particularly useful in tight or low access applications.

CONVENTIONAL BOOM VS VARIABLE ANGLE BOOM

CONVENTIONAL BOOM (MONO BOOM)

- This is generally a standard setup — it provides good reach, larger lifting capacity and broad range of bucket sizes. This is the most popular configuration by far.
- Conventional booms typically have the highest breakout force due to less moving parts
- Less moving parts means less down time and lower total life costs
- Used on a broad range of projects from small construction jobs to large scale mining and earthworks.
- Also used for material handling, demolition jobs, dredging, forestry works and more.



VARIABLE ANGLE BOOM

- Variable angle booms or two piece booms allows the straightening of the curve in the boom
- Traditionally found on wheeled excavators.
- Larger lifting capacity in close over a conventional boom configuration.
- Variable Angle Booms allow the operator set the working height with the first boom, whilst still maintain traditional digging methods with the second boom and dipper arm. This is ideal for low clearance digging such as under a bridge or in a building.
- The compact working radius is ideal for road work in close quarters as digging can be done in close proximity to the chassis.
- Variable Angle Booms gives both a deeper digging depth and reach compared a conventional boom, even with an long dipper arm fitted.



IN SUMMARY

For many, a mini excavator with a Conventional Boom will carry out day to day operations perfectly. It has the least moving parts and typically highest breakout force. However, in specialised applications, the Variable Angle Boom excels over the Conventional Boom.

If tight access, restricted height or deep digging are on the agenda, then a Variable Angle Boom may be just what you need.