

**QHS**

# Quality Handling Systems Pty Ltd



## SLOTTED BELT SAMPLER

QHS Slotted Belt Samplers are designed for use as dividers in sampling systems. These samplers comply with the requirements of Australian and International Standards for the sampling and preparation of bulk materials.

QHS supply a range of Slotted Belt Samplers suitable for dividing fines up to large lump material (-50 to -75 mm).

Each Slotted Belt Sampler is specifically designed to suit each particular operation. This unit includes an internally mounted Rotary Sample Collector.



This slotted belt has an in-built weigh hopper and transfer feeder



## Features

Slotted Belt Samplers have been used in sampling systems for decades. The QHS Slotted Belt Samplers use the same basic principles, but they also provide some important features that other brands do not often include :-

- They can be made reversible for rejecting sample to alternative locations.
- A heavy duty mild steel frame in a painted or galvanised finish. Optional stainless steel frames are also available.
- All chutework is fabricated in stainless steel.
- Belt types vary, depending upon the application, but are generally 3 ply PN150 with 3 x 1.5 mm covers. The belt joint is either hot vulcanised or clipped. Heavy duty, build-up resistant cutter lips are securely attached to the belt. The cutter lips are also designed to flex around the crowned pulleys and extend well above the depth of material on the belt.
- The belt is supported by stainless steel slider trays.
- The head and tail pulleys are crowned and include grooved lagging.
- The pulley shaft bearings are spherical roller bearings in labyrinth sealed housings as standard with optional taconite sealed housings are available.
- The feeder is driven at the head pulley via a shaft-mounted electric gearmotor. The gearbox is a heavy duty helical bevel type.
- Stainless steel screw take ups are provided at the tail pulley for belt tensioning and tracking.
- Full length skirts are provided. These skirts are fabricated in stainless steel.
- They are covered over the entire length to prevent contamination of the sample via moisture or dust loss or ingress. These covers are fabricated in stainless steel.
- Guarding is provided to comply with AS1755 and AS4024.1
- Optional extras include belt underspeed detectors, belt drift switches and lanyard switches.

For further information or advice on sampling equipment, please contact:

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Quality Handling Systems Pty Ltd are continually striving to improve our products and we therefore reserve the right to alter design and/or specifications without notice.