



HEATH & SHERWOOD

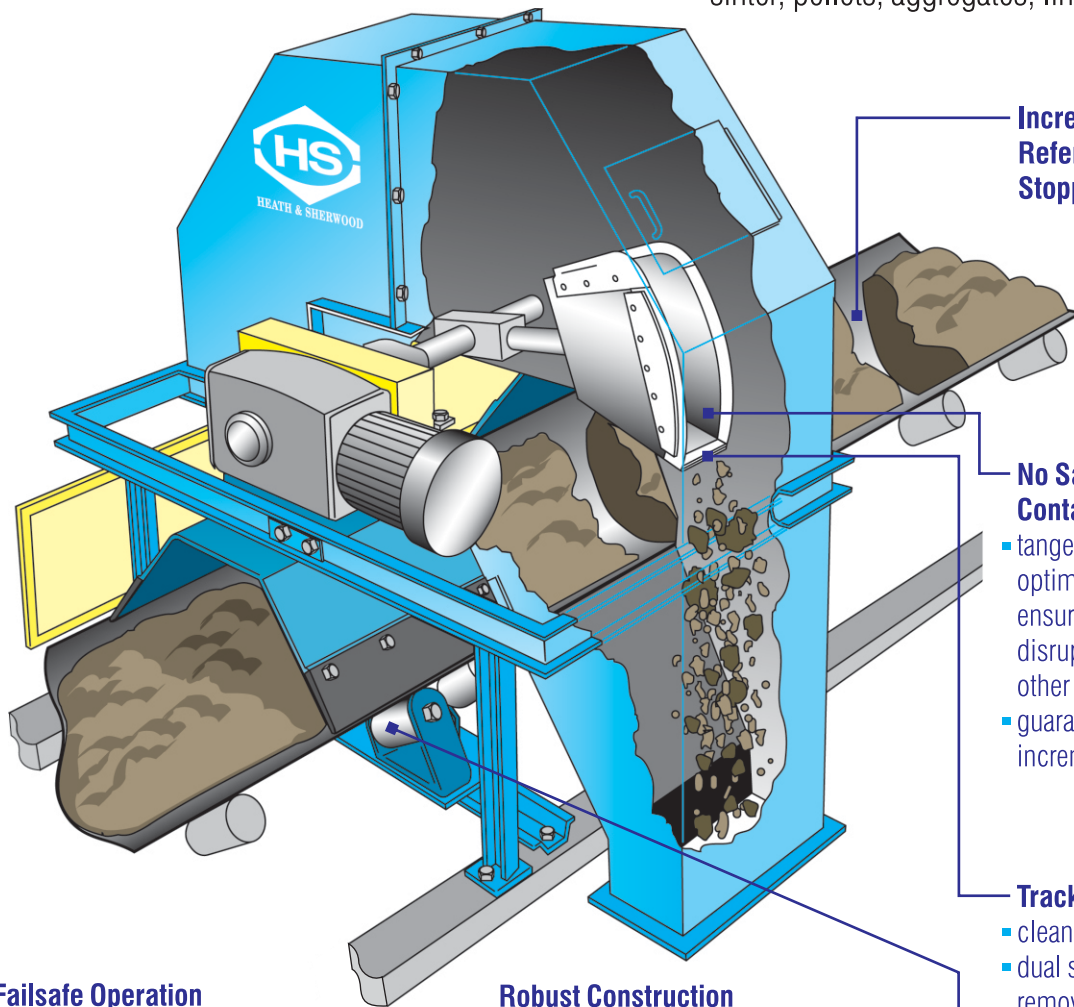
ARM™

Automated Reference Method Sampler

Representative Sampling from Moving Conveyors

Increase profits from your process by accurately sampling of fines to coarse material from a moving conveyor.

Typical Applications: Leach or pad agglomerator feed, mill feed, concentrate, coal, iron ore, sinter, pellets, aggregates, limestone, etc.



Increments Equivalent to Reference Method or Stopped Belt Sampling

No Sample Contamination

- tangential cutter and optimized cutter speed ensures no material disruption that occurs with other designs
- guarantees correct increment delimitation

Track Two Belt Scraper

- cleans the belt surface
- dual scrapers ensure 100% removal of increment

Contouring Idlers

- eliminates loss of fines in belt troughs
- provides seamless mating surface between dual scraper and belt

Failsafe Operation

- cutter always stops in the correct position
- optional tramp metal detector
- thermal overload protection
- optional belt aligners
- park position limit switch included

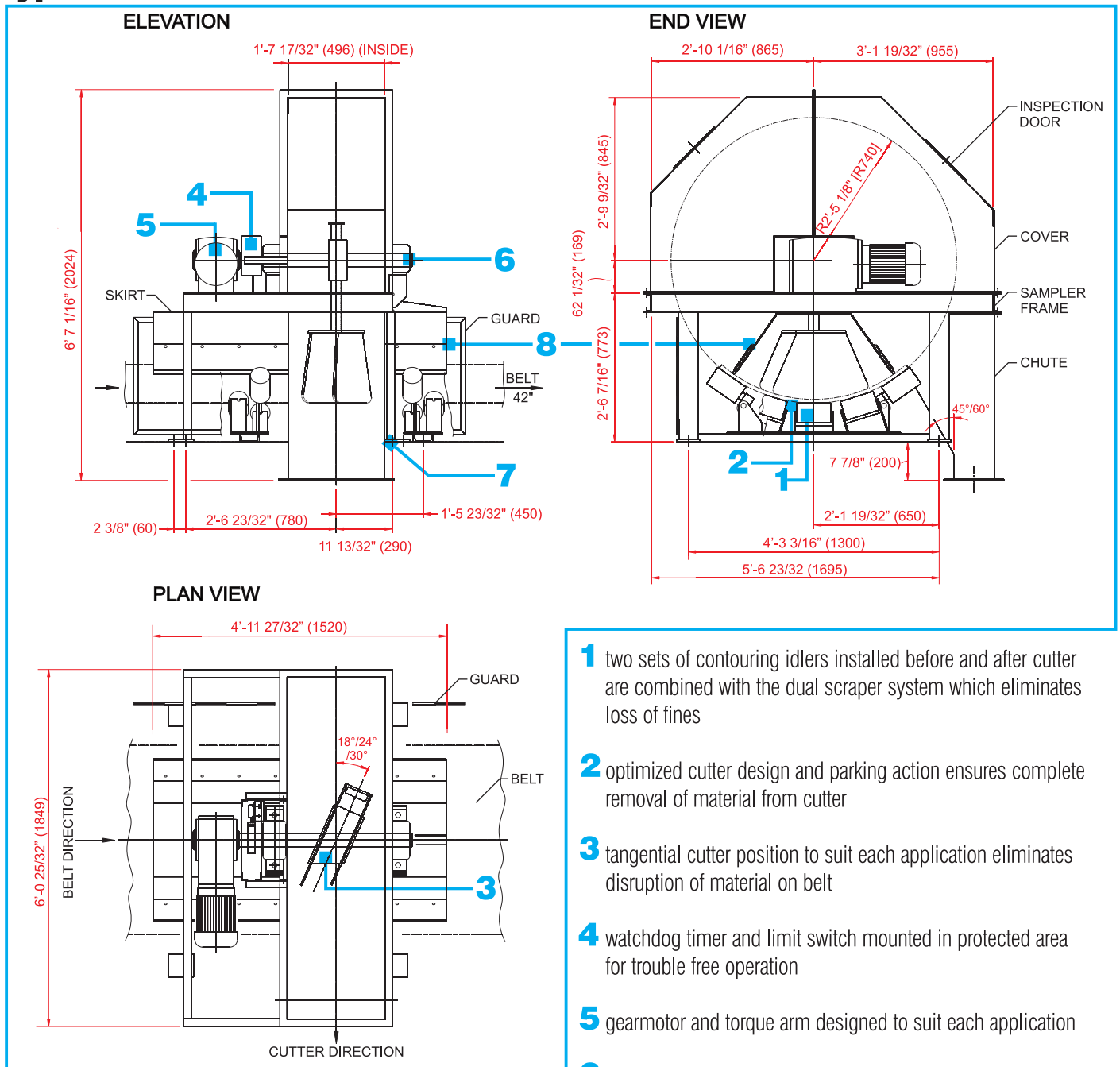
Very Easy to Install

- modular package retrofits to existing conveyors
- minimal process interruption
- no special tools required
- local manual and central control panels

Robust Construction

- gearmotor and cutter designs field tested
- sized to suit each application ensures uniform cutter speed across the belt
- gearmotor torque and arm counterweight provides smooth operation
- built to Heath & Sherwood's high standard of quality and reliability
- custom designs available

typical dimensions for ARM 42



- 1 two sets of contouring idlers installed before and after cutter are combined with the dual scraper system which eliminates loss of fines
- 2 optimized cutter design and parking action ensures complete removal of material from cutter
- 3 tangential cutter position to suit each application eliminates disruption of material on belt
- 4 watchdog timer and limit switch mounted in protected area for trouble free operation
- 5 gearmotor and torque arm designed to suit each application
- 6 dual bearing support on all models
- 7 idler base and sampler easily install to existing conveyor stringers
- 8 adjustable skirt holds down belt and contains conveyed material

■ RFQ Information:

- Belt Width (mm or inch)
- Speed (m/sec)
- Idler Angle (deg)

■ Material

- Top Particle Size (mm or inch)
- Flow Rate (tph)
- Bulk Density
- % Moisture

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