

# MSA Magnetic Head Pulley Conversion

MSA can supply complete new Magnetic Head Pulleys or can fit Magnetic Lagging Strips to your existing Pulley. The addition of Magnetic Lagging Strips to your existing Pulley is not only a cost-effective solution (as opposed to purchasing a complete new Pulley System), but also assists with conveyor belt tracking. The lagging will only cause a small increase in the weight and diameter of the existing pulley.



## FEATURES & BENEFITS

- Effectively removing nails and metal pieces from woodchips and pallet grinding
- Popular in recycling plants and quarries
- Protection of crushers
- Protection of paper shredders
- Ideal as secondary complimentary magnet down stream of overbelt/suspension magnets
- Assists with conveyor belt tracking

### It is incumbent upon your company to:

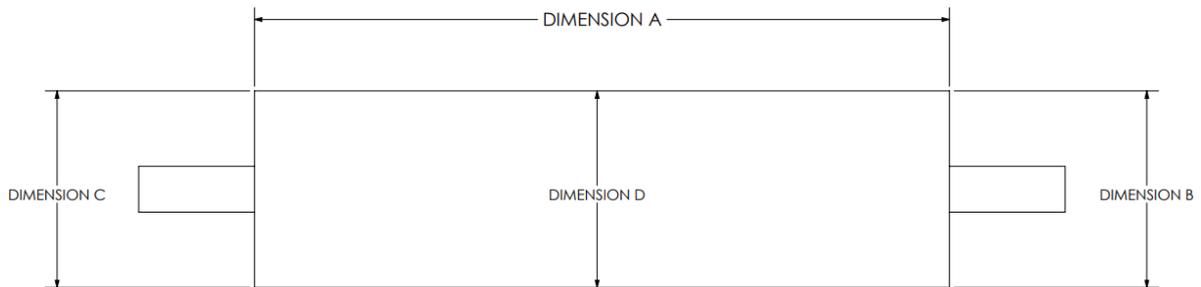
- Undertake a risk assessment to identify the hazards prevalent at your workplace which could impact upon the safe operation of the equipment and take action to control those hazards.
  - Review the Safety Operating Procedure (SOP) to ensure it captures all the steps involved in your specific use(s) of the equipment and modify accordingly.
  - Ensure that staff operating the equipment have been adequately trained in it's safe use, provided with the appropriate Personal Protective Equipment (PPE) identified in the SOP and provided with a copy of the Safety Operating Procedure.
- Your company also agrees to undertake a risk assessment, review the SOP in light of that risk assessment, make any modifications to reflect how the equipment is to be used at their workplace and then adequately train those people who are going to use the equipment.

- High-Energy Rare-Earth Magnets—standard & maximum super high strength options
- Small increase in diameter & weight of pulley
- A low-cost option to the purchase of new, conventional magnetic pulley types
- Improves product purity
- Continuous, automatic separation of magnetic and non-magnetic material
- Prevents damage to expensive downstream machinery such as shredders, crushers, mills, pulverisers, and grinders
- Prevents damage to conveyor belts caused by sharp metal pieces – this is especially a risk at discharge points
- Reduces downtime, maintenance, and repair costs to damaged downstream equipment and conveyor belts
- Reduces amount of product sent to landfill
- Potential savings from avoiding unnecessary landfill
- Low-cost operation – permanent magnet requires no additional power to operate
- Simple installation
- High Energy Rare Earth RE80® Magnets—standard & super high strength deep field options

## INDUSTRY SUITABILITY

- Small mining operations
- Recycling plants
- Resource recovery
- Plastic operation
- Glass cullet recycling
- Quarries
- Wood & timber waste recycling
- Bulk materials handling & conveying
- Brickworks
- Mobile crushers, screens, & shredders

- MRF (Material Recovery Facility) plants
- Municipal solid waste
- Kerbside collection & skip waste recycling
- Foundries
- Tyre & rubber recycling
- Electronics recycling/e-scrap



*SIDE VIEW*

DIMENSION A =	
DIMENSION B =	
DIMENSION C =	
DIMENSION D =	