

Heavy-Duty Electromagnets

Air and Oil Cooled

DATASHEET



ACW - Air Cooled Electromagnet



OCW - Oil Cooled Electromagnet

Electro Magnets, trusted technology to recover tramp metals from burden depths up to 1000mm on conveyors up to 2000mm wide. Tailor made coil design to suit any heavy-duty application and performance requirements, ensuring product quality and equipment protection in quarries, mining and recycling facilities.

Bunting's inhouse developed coil design software guarantees needed lifting capacity by combining your application parameters

- Material: burden depth, moisture content, bulk density, flow rate, lump size
- Tramp metal: lump size, shape and weight
- Installation: belt speed, conveyor width, operating environment

The custom made magnetic coil wound in high conductivity NOMEX covered Al-wire is application depended Air and Oil cooled to ensure maximum heat dissipation, enabling a constant high gradient deep reach magnetic field with extraordinary magnetic force.

	ACW - Air Cooled Electromagnet	OCW - Oil Cooled Electromagnet
Magnetic System	Power: 0.6 - 8kW	Power: 1 - 34kW
	Weight: 0.22 to 8t	Weight: 0.16 to 34t
	Size: Up to 1.6m	Size: up to 3m
		Oil Capacity: 35 - 9654 l

Magnetic System	Extended discharge possible	ATEX rating possible
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The magnetic system of the OCW and ACW is incorporated in a robust low carbon steel frame with a manganese steel baseplate to withstand heavy impact of extracted tramp iron.

Both magnetic systems are available to perform as a suspension magnet or as a self-cleaning overband magnet (inline or crossbelt installation).