

GTEK RCDB Suspension Magnet Brochure

Description

GTEK RCDB Series Suspension Electromagnet is a device for removing iron particles from non-magnetic powders or blocks. It is widely used in iron removing before crushing on the conveyor belt. RCDB Series Suspension Electromagnet has a fully sealed, self-cooled construction, so that it can working constantly in any adverse environmental conditions.

Applications

For applications that require a magnet to operate up to 300mm above a conveyor, the GTEK suspension electromagnets are a cost effective solution that can be applied to a wide range of industries.

Advantages

- Deep penetration;
- High Intensity;
- Anti-dust;
- Anti-rain;
- Corrosion resistance;
- Controllable magnetic field



Working Principle

GTEK RCDB Series Suspension Magnet uses an electromagnet which can convert electricity to magnetism by an electric current. When operating the electromagnet is suspended above a conveyor belt or vibratory feeder at a rated height, separating iron from non-magnetic materials by high intensity magnetic force.

Technical Specification

Model	Adaptive belt width (mm)	Adaptive belt speed (\leq m/s)	Material thickness (\leq mm)	Suspension height (mm)	Magnetic field intensity (\geq mT)	Size (mm)				Weight (kg)
						A	B	D	d	
RCDB-3	300	2.5	50	75	50	210	250	400	280	135
RCDB-4	400		70	100	50	240	280	500	400	250
RCDB-5	500		90	150	60	280	325	610	450	380
RCDB-6	600		120	175	60	280	325	710	500	530
RCDB-6.5	650		150	200	70	280	325	816	640	580
RCDB-8	800		200	250	70	310	355	960	780	800
RCDB-10	1000		250	300	70	310	360	1200	920	1370
RCDB-12	1200		300	350	70	310	365	1400	1000	2100
RCDB-14	1400		350	400	70	405	485	1650	1400	2800
RCDB-16	1600		400	450	70	460	540	1900	1650	4650
RCDB-18	1800		450	500	70	530	610	2150	1800	6750