E2015EN

Overbelt magnetic separator type STM

FEATURES

- Magnetic block with high range and magnetic field strength.
- Adaptation to all types of belt conveyors.
- Low operating cost - permanent magnet does not consume electrical energy.
- Rugged construction ensuring long service life.
- Leading manufacturers' accessories.

VERSIONS

- Explosion-proof design in accordance with the requirements of the ATEX directive.
- Stainless steel design for operation in aggressive environment
- Hydraulic drive improving installation of the separator on the mobile crushers.

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EXAMPLE PROJECTS

Protection of lime stone crusher against tramp iron.

Removal of tramp iron contaminants from gravel.

Removal of tramp iron contaminants from copper ore.

Separation of ferrous scrap from glass cullet.

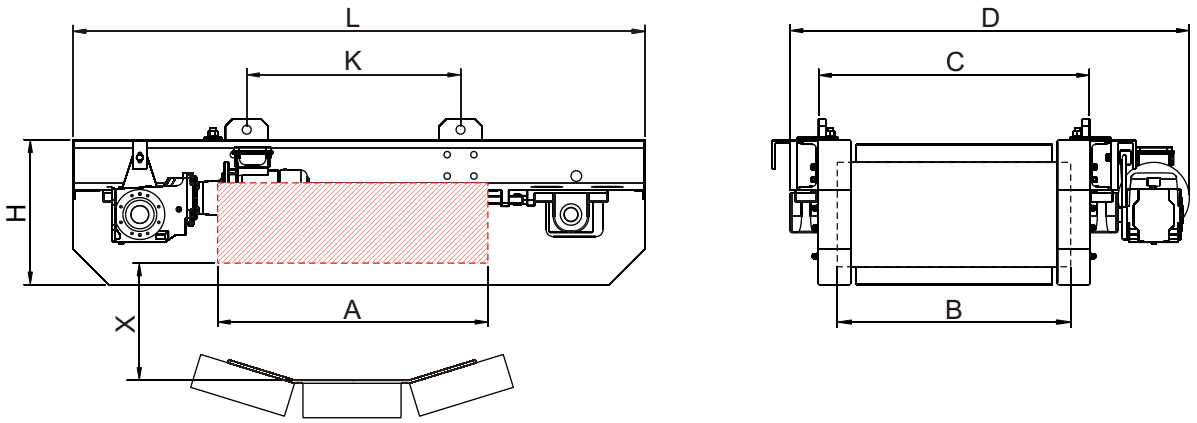
DESIGN AND STANDARD EQUIPMENT

- The magnetic block made of ferrite or neodymium (NdFeB) permanent magnets to capture ferromagnetic metals.
- The block housing made of non-magnetic steel and tightly welded.
- The short conveyor with the cleated belt to remove the captured metals.
- The drive pulley and idler feature a barrel shape for more precise centering a conveyor belt movement.
- The pulleys equipped with the replaceable shafts mounted with the expanding rings.
- Reinforced bearings in dustproof housings.
- Guide rollers improving belt alignment.
- The belt drive with Nord geared motor or of other manufacturer's on customer request.

OPTIONAL EQUIPMENT

- Automatic lubricators.
- The pulley surfaces covered with rubber lining with diamond shaped groves.
- Belt limit switches signalling the belt sliding off.
- Telemecanique motion sensor signalling the belt drive failure.
- The control cabinet.
- Chain slings.

TECHNICAL DATA



Type	Working distance	Drive power	Dimensions (mm)							Weight
	X (mm)	(kW)	A	B	C	D	H	K	L	(kg)
STM 65-50	200 ÷ 250	0,75	500	650	760	1100	410	350	1350	550
STM 65-60			600					450	1450	600
STM 65-75			750					600	1600	700
STM 65-90			900					750	1750	800
STM 65-110			1100					950	1950	925
STM 65-130		1,1	1300					1150	2150	1050
STM 65-150			1500					1350	2350	1175
STM 80-60	250 ÷ 300		600	800	910	1250	450	450	1450	950
STM 80-75			750					600	1600	1050
STM 80-90			900					750	1750	1180
STM 80-110			1100					950	1950	1350
STM 80-130		1,5	1300					1150	2150	1550
STM 80-150			1500					1350	2350	1700
STM 80-170			1700					2550	2550	1900
STM 100-75	300 ÷ 350		750	1000	1150	1550	550	600	1850	1850
STM 100-90			900					750	2000	2050
STM 100-110			1100					950	2200	2350
STM 100-130		2,2	1300					1150	2400	2650
STM 100-150			1500					1350	2600	2950
STM 100-170			1700					1550	2800	3250
STM 120-75	350 ÷ 400		750	1200	1330	1750	580	600	1950	2300
STM 120-90			900					750	2100	2700
STM 120-110			1100					950	2300	3050
STM 120-130		3,0	1300					1150	2500	3500
STM 120-150			1500					1350	2700	4000
STM 120-170			1700					1550	2900	4400

INSTALLATION METHOD