



SPMX (Extra Strength) SUSPENDED PERMANENT MAGNET

TRAMP MTL 11B (2/99)

*Photo represents product at date of publication. SPMX is shown here with Self-Cleaning Option.



BENEFITS:

- Protect Processing Equipment from Ferrous Metal Damage
- Improve Product Purity
- Best suited for applications where conventional strength permanent magnets will not work.

INTRODUCTION:

IMI's permanent magnets offer superior strength and reliability and are designed for separation of ferrous metal from a variety of belt conveyed products. Their heavy industrial design and construction make them ideal for use in foundry, recycling, tire shredding, wood chip, and demolition applications.

FEATURES:

- Powerful deep reaching magnetic circuit design to penetrate heavy product burdens.
- Similar or greater in strength to many electromagnets.
- Uniform magnetic field across belt width for full coverage.
- Extra long field for extended magnetic exposure.
- Continuously operates at peak magnetic efficiency.
- No operating cost (manual clean units)
- Stainless steel housing
- Industrial welded construction
- Four rugged lift lugs for easy suspension

SIZE AVAILABILITY:

- Width from 18" to 66"
- 12-5/8" High by 48" Long

OPTIONAL FEATURES:

- In-line and crossbelt mounting orientations.
- Stainless steel manual pull slider plate - roller guided design for easy, quick removal of collected metal.
- Hand crank stainless steel slider with rack and pinion for even easier cleaning.
- Self-Cleaning belt and drive package for continuous metal removal from the magnet.
- Bolt on designed self-cleaning package for field upgrade
- Special stainless steel shielding or guarding
- Stainless steel clad belt
- Vulcanized belt with vulcanized cleats & splice
- 380/50Hz 3 phase motor
- Explosion proof motor
- Custom features available upon request.

SPECIAL CONSIDERATIONS:

The removal of tramp metal can create many challenges and is dependent upon many factors. These include product size, density, moisture, tramp metal geometry, orientation, entrapment by large product pieces, location in the burden, magnet suspension height and many others.

Let IMI help you assess your application and solve your metal separation needs with a properly selected magnet.

IMI Is Represented By Air Process Systems & Conveyors Co., Inc.

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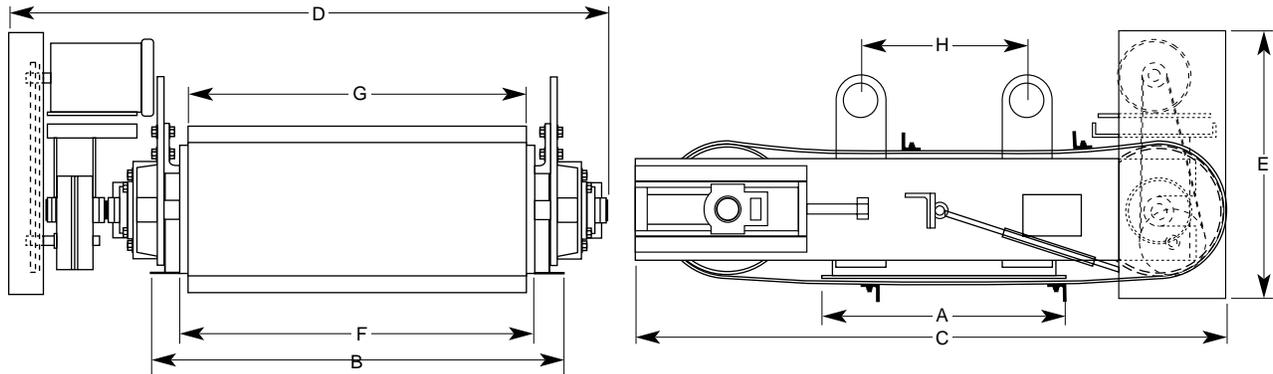
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SPMX SPECIFICATIONS (Self-Cleaning Models):

- Ceramic grade 8 magnet material
- 5Hp - 240/480 3 phase motor
- Class II reducer
- Structural C-channel drive supports
- All stainless steel magnet box
- 3/8" thick 2 ply rubber belt
- Crowned head & tail pulleys
- Five 2" high T304stainless steel cleats
- 4 pad eyes
- Heavy C-channel
- External expansion tank

SPMX DIMENSIONS (Self-Cleaning Models):



Note: All dimensions are stated in inches.

*Dimensions representative of product at date of publication. If dimensions are critical call for up to date changes.

Cross Belt SPMX Self-Cleaning	Magnet Dimensions	Overall Length	Overall Width	Overall Height	Pulley Width	Belt Width	Pad-Eye Centers	Motor H.P.	Approx Weight
	A x B	C	D	E	F	G	H		Lbs.
SPMX24SC	24" x 51"	65.12"	74"	32"	44"	42"	14"	5	2,900
SPMX30SC	30" x 51"	71.12"	74"	32"	44"	42"	20"	5	3,525
SPMX36SC	36" x 51"	77.12"	74"	32"	44"	42"	26"	5	4,155
SPMX42SC	42" x 51"	83.12"	74"	32"	44"	42"	32"	5	4,785
SPMX48SC	48" x 51"	89.12"	74"	32"	44"	42"	38"	5	5,410
SPMX54SC	54" x 51"	95.12"	74"	32"	44"	42"	44"	5	6,040
SPMX60SC	60" x 51"	101.12"	74"	32"	44"	42"	50"	5	6,665

In-Line SPMX Self-Cleaning	Magnet Dimensions	Overall Length	Overall Width	Overall Height	Pulley Width	Belt Width	Pad-Eye Centers	Motor H.P.	Approx Weight
	A x B	C	D	E	F	G	H		Lbs.
SPMX24SCL	51" x 33"	92.12"	72.5"	32"	30"	24"	41"	5	2,690
SPMX30SCL	51" x 39"	92.12"	72.5"	32"	32"	30"	41"	5	3,385
SPMX36SCL	51" x 45"	92.12"	72.5"	32"	38"	36"	41"	5	4,085
SPMX42SCL	51" x 51"	92.12"	72.5"	32"	44"	42"	41"	5	4,785
SPMX48SCL	51" x 57"	92.12"	72.5"	32"	51"	48"	41"	5	5,480
SPMX54SCL	51" x 63"	92.12"	72.5"	32"	57"	54"	41"	5	6,180
SPMX60SCL	51" x 69"	92.12"	72.5"	32"	63"	60"	41"	5	6,875

SPMX SPECIFICATIONS & DIMENSIONS (Manual Clean Models):

- Ceramic grade 8 magnet material
- 4 pad eyes
- All stainless steel magnet box
- All welded construction

Note: All dimensions are stated in inches.

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In-Line SPMX Manual Clean	Magnet Width	Magnet Length	Magnet Height	Overall Width	Overall Length	Pad-Eye Centers	Approx Weight
	J	K	L	M	N	P	Lbs.
SPMX24	21"	48"	12.62"	24"	51"	14"	1,580
SPMX30	27"	48"	12.62"	30"	51"	20"	2,180
SPMX36	33"	48"	12.62"	36"	51"	26"	2,780
SPMX42	39"	48"	12.62"	42"	51"	32"	3,380
SPMX48	45"	48"	12.62"	48"	51"	38"	3,980
SPMX54	51"	48"	12.62"	54"	51"	44"	4,580
SPMX60	57"	48"	12.62"	60"	51"	50"	5,180

