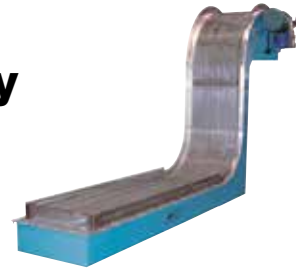
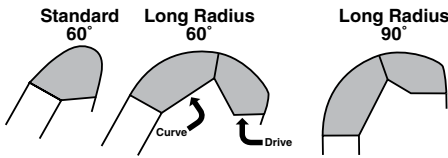




# Magslide Beltless Conveyors - Heavy Duty



## SPECIFICATIONS

**FRAME WIDTHS:** 12", 15", 18", 24", 30".

**GUIDEWORK:** Oil-filled UHMW chain guide provides continuous lubrication; supplemental oil fittings are provided to further extend chain life.

**MAGNETS:** Std ceramic on 12: c/c; Rare Earth magnets and custom centers for special applications.

**SLIDERBED:** 10 ga. 304SS on 12" & 15" widths; 3/16" 304SS on 18"-30" widths.

**SIDEGUARDS:** Std 1" high sideguards; additional chutes, guides, hoppers, tanks, and impact plates available upon request.

**DRIVE:** Direct-Drive with worm gear reducer minimizes space and eliminates bulky sprockets and chainguards, std 230/460V, 3ph motor at 50 fpm, 1 to 5 hp; drive can be rotated in 45 degree increments and mounted left or right to avoid nearby obstructions.

Optional Top Mount with Parallel Shaft reducer.  
**SUPPORTS:** Std welded floor supports on Type "B", "C", & "D" models. Optional castors, floor supports, skid plates, or mobile bases available on all models.

**CONSTRUCTION:** 10 ga. mild steel frame with machinery enamel paint. Optional epoxy paint and sealed lower frame for submersible applications.

**CONTROLS:** Optional toggle switch for 1ph drives or starter with pushbuttons for 3ph drives. Controls supplied either mounted and wired or shipped loose.

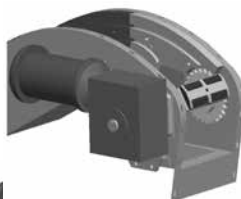
**CHAIN:** RC2060 Double Pitch chain.

**TAKE-UP:** Automatic spring-loaded chain tensioning.

**CONFIGURATIONS:** Available in straight, angled-incline, long radius, & z-shape configurations.

**OTHER SPECIFICATIONS AND OPTIONS:** See Model Designation chart.

Drives can be mounted left or right and rotated in 45-degree increments to avoid obstructions.



Direct Mount Drive



Top Mount Drive

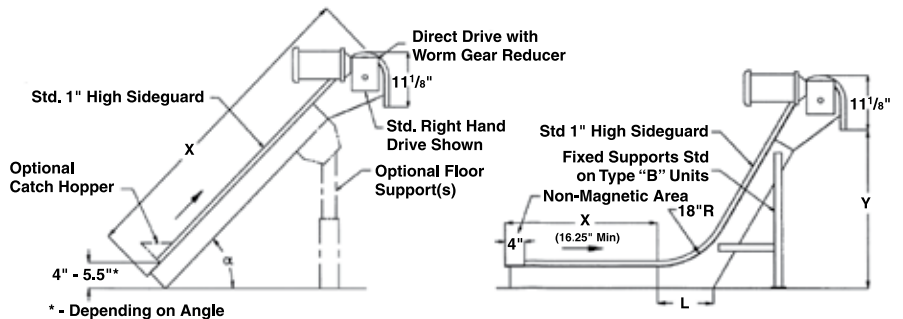
## MagSlide Heavy-Duty Model Designation

Use this chart to describe the conveyor you need when discussing or selecting options, ordering, or requesting quotes.

MSH	□	□	□	- X'-Y'-	□	□
Angle (α)	Width (in)	Type	Drive Type	Drive Side	Drive Speed*	
0 - 0°	12"	A - straight	A - Std 230/460V, 3 ph	R - Right (std)	3 - 30 fpm (opt)	
1 - 15°	15"	B - incline	B - Opt 115/230V, 1 ph	L - Left (opt)	4 - 37 fpm (opt)	
3 - 30°	18"	C - Z-Shape		T - Top	5 - 50 fpm (std)	
4 - 45°	24"	D - Noseover			6 - 60 fpm (opt)	
6 - 60°	30"					
7 - 75°						

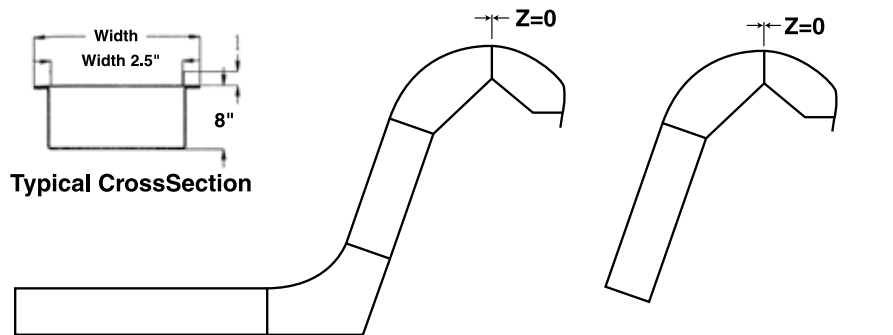
\* For X and Y dimensions, see drawings below, round up to nearest foot in model number and specify exact length in inches. For type "A" conveyors, omit Y dimension.

\* Drive speeds are available from 10 fpm or less to the top-rated speed for each of the four drive-speed options.



Type "A" Incline

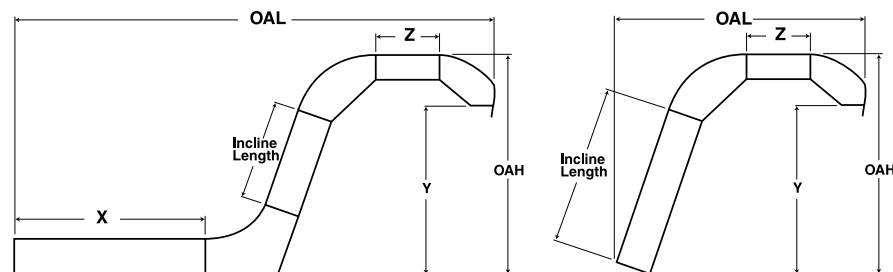
Type "B" Incline



Typical CrossSection

Long Radius Type "C"

Long Radius Type "D"



Long Radius Type "C" Z-Shape

Long Radius Type "D" Noseover



# MagSlide Beltless Conveyors - Medium Duty



## MagSlide Medium-Duty Model Designation

Use this chart to describe the conveyor you need when discussing or selecting options, ordering, or requesting quotes.

MSM	□	□	□	- X'-Y'-	□	□
Angle ( $\alpha$ )	Width (in)	Type	Drive Type	Drive Side	Drive Speed <sup>1</sup>	
0 - 0°	10"	A - straight	A - Std 230/460V, 3 ph	R - Std right	3 - Opt 30 fpm	
1 - 15°	12"	B - incline	B - Opt 115/230V, 1 ph	L - Opt left	4 - Opt 37 fpm	
3 - 30°	15"		C - Opt air drive		5 - Std 50 fpm	
4 - 45°	18"		D - Opt DC var. speed		6 - Opt 60 fpm	
6 - 60°			with 115/230V, 1 ph			
7 - 75°			SCR controller			
9 - 90°						

### SPECIFICATIONS AND OPTIONS

**FRAME WIDTHS:** 10", 12", 15", 18".

**GUIDEWORK:** Oil-filled UHMW chain guide provides continuous lubrication; supplemental oil fittings are provided to further extend chain life.

**MAGNETS:** Std Ceramic on 12" c/c; Rare Earth magnets and custom centers for special applications.

**SLIDERBED:** 13ga 304SS; optional rigidized (textured) stainless steel available for transfer of oily slugs and scrap.

**SIDE GUARDS:** Std 1" high side guards; additional chutes, guides, hoppers, tanks, and impact plates available upon request.

**DRIVE:** Flange-mounted hollow shaft reducer minimizes space and eliminates bulky sprockets and chainguards, std 230/460V, 3 ph motor at 50 fpm, 1/4 to 1 hp; drive can be rotated in 45 degree increments and mounted left or right to avoid nearby obstructions.

**SUPPORTS:** Std welded floor supports on Type "B" model. Optional casters, floor supports, skid plates, or mobile bases available on all models.

**CONSTRUCTION:** 12 ga. mild steel frame with machinery enamel paint. Optional epoxy paint and sealed lower frame for submersible applications.

**CONTROLS:** Optional toggle switch for 1 ph drives or starter with pushbuttons for 3 ph drives. Controls supplied either mounted and wired or shipped loose.

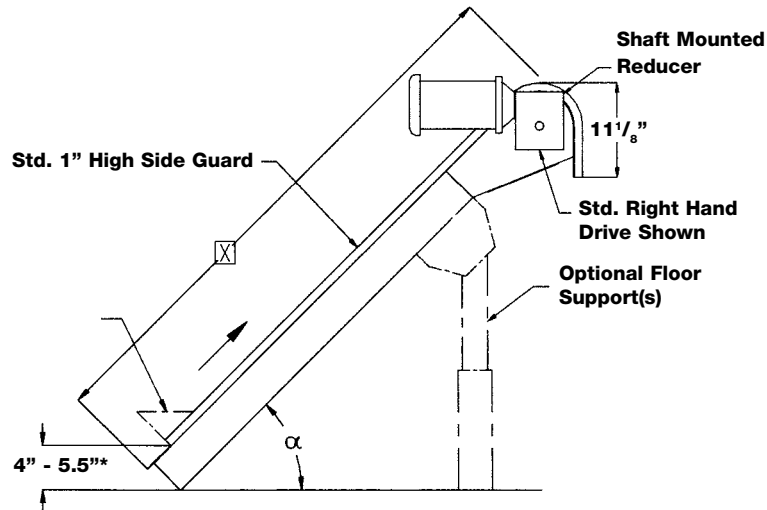
**CHAIN:** Std #60 roller chain.

**TAKE-UP:** Automatic spring-loaded chain tensioning.

**CONFIGURATIONS:** Available in straight and angled-incline configurations

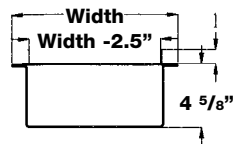
**OTHER SPECIFICATIONS AND OPTIONS:** See Model Designation chart.

- For X and Y dimensions, see drawing above, round up to nearest foot in model number and specify exact length in inches. For type "A" conveyors, omit Y dimension.
- Drive speeds are available from 10 fpm or less to the top-rated speed for each of the four drive-speed options.

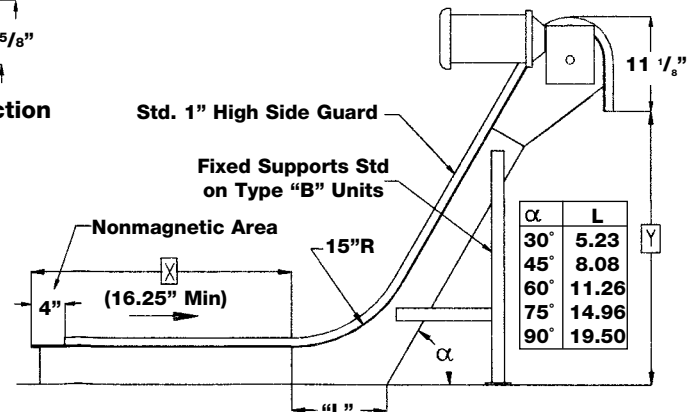


\* - Depending on Angle

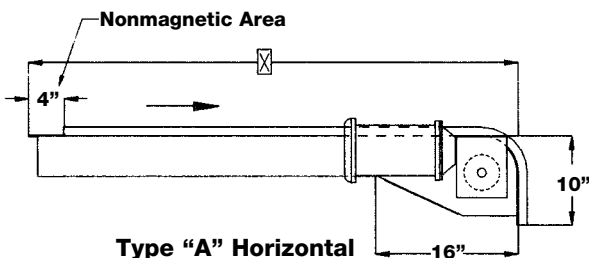
Type "A" Incline



Typical Cross-Section



Type "B" Incline



Type "A" Horizontal



# Magslide Beltless Conveyors - Low Profile



## SPECIFICATIONS AND OPTIONS

**HEIGHT:** Conveyor frames are 3 1/8" high; additional clearance needed for parts or scrap.

**FRAME WIDTHS:** 4", 6", 8", 10", 12".

**LENGTHS:** Std. 2'-10' lengths in 1' increments and custom lengths.

**GUIDEWORK:** Oil-filled UHMW chain guide provides continuous lubrication; automatic or supplemental oil fittings are provided to further increase chain life.

**MAGNETS:** Std ceramic on 12" c/c, custom Rare Earth magnets for special applications.

**SLIDERBED:** Rigidized textured stainless steel designed for transfer of oily slugs and scrap is standard.

**SIDE GUARDS:** Std 1/2" high integral side guards, additional chutes, guides, hoppers and liquid tight construction available upon request.

**DRIVE:** Std flange-mounted hollow shaft reducer and 1/4 hp, 115v, 1 ph motor providing 44 fpm. Options include drive type, drive position, and drive speeds.

**SUPPORTS:** Optional floor supports, brackets or mobile base to customer specifications.

**CONTROLS:** Optional toggle switch for 1 ph drives and pushbutton starter for 3 ph drives; controls supplied either pre-wired, mounted, or shipped loose.

**TAKE-UP:** Manual chain tensioning at infeed.

**OTHER SPECIFICATIONS AND OPTIONS:** See Model Designation chart.

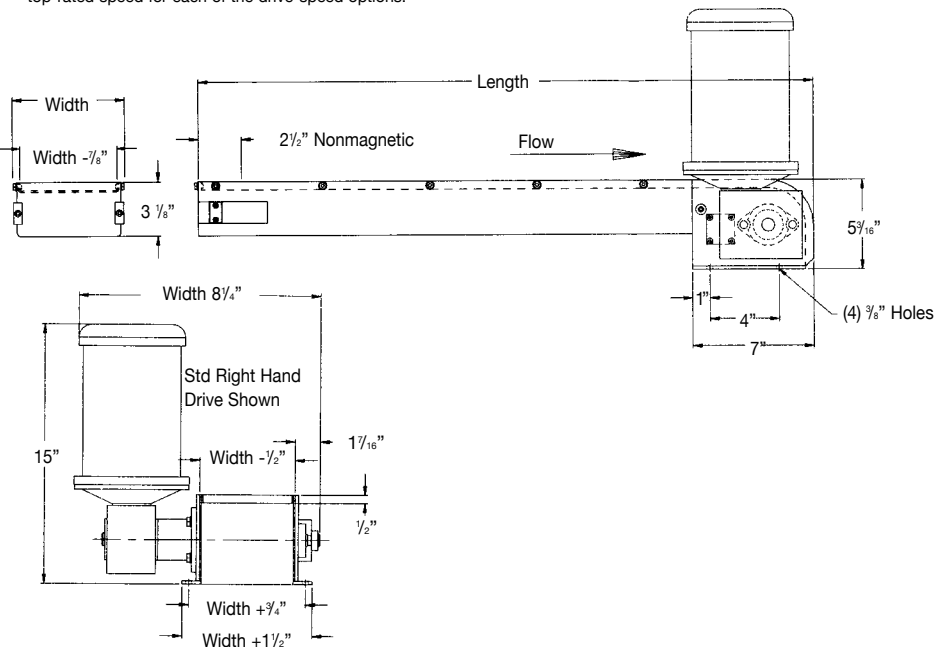
Use this chart to describe the conveyor you need when discussing or selecting options, ordering, or requesting quotes.

Width (in)	Length (ft)	Drive Type	Drive Side	Drive Speed <sup>1</sup>	Options*
04"	2', 3', 4'	A - Std 1/4hp, 115v, 1 ph	R - Std right	3 - Opt 33 fpm	See option list below
06"	5', 6', 7'	B - Opt 1/4hp, 230/460v, 3 ph	L - Opt left	4 - Std 44 fpm	
08"	8', 9', 10'	C - Opt air drive, 1/4hp @ 50 psi		5 - Opt 65 fpm	
10"		D - Opt 1/4hp, 90vdc variable speed with 115v, 1 ph control			
12"					

\*Description of Options: Fill in as many option boxes as required to fully describe conveyor.

0 - No Options    1 - Special Length    2 - Floor Supports    3 - Side Guards or Hoppers    4 - Control, 1 ph  
5 - Control, 3 ph    6 - Sealed    7 - Special Paint    8 - Other

<sup>1</sup> Drive speeds are variable from 10 fpm or less to the top-rated speed for each of the drive-speed options.



## SAMPLE CAPACITIES AND APPLICATION GUIDE

Material	TYPICAL CONVEYING CAPACITIES (lbs/hr)						
	Model and Frame Width						
	Low-Profile (MSL) Series			Medium-Duty (MSM) Series			
	4"	8"	12"	10"	12"	15"	18"
Dry steel chips, dense 1/8"-1/4"	100	460	790	490	760	1170	1580
Dry steel chips, light 1/8"-1/2"	60	280	490	280	430	660	900
Light press scrap, 1/8"-3/4"	110	520	900	460	710	1090	1470
1/4" hex nut	170	825	1420	810	1260	1940	2620
3/8" flat washer	140	670	1170	630	980	1500	2020
Nails - 4d box	90	440	760	770	1200	1840	2480

- Capacities listed above are representative of laboratory conditions at 45 fpm with magnets on 12" c/c and a clean dry sliderbed. Actual capacities will vary with operating conditions, specific type of material, and the method of presentation.
- MagSlide conveyors should be selected to handle the maximum intermittent load anticipated. If material is allowed to accumulate on the sliderbed, the magnets may not be capable of breaking material free from a pile.
- Low-Profile (MSC) Series capacities listed above are typical of horizontal applications. Medium-Duty (MSM) Series capacities are typical of incline applications.

- Dried oils and coolants can form a tacky film on the sliderbed that diminishes conveying capacity. Be sure to clean the sliderbed as necessary.
- Large material (>2") may require magnet centers greater than 12" to prevent material from "chaining" between magnets.
- Drill spirals, wooly chips, and large scrap pieces may be impossible to convey. If in doubt, submit samples to us for evaluation.