



Longitude overbelt magnets

Separation system for recycling industries



Always ahead.

Longitudinal Overbelt magnets

Overbelt magnet for longitude situations where the magnet is placed parallel to the conveyor belt. The magnet system removes the ferrous particles from the passing flow of materials. The ferro particles remain in the magnetic field for a longer period which leads to a better separation result and bigger efficiency. The multipole transport magnet "cleans" the attracted ferro particles by spinning them in the magnetic field. This causes nonmagnetic particles to fall. Longer ferro particles will simply be transported away and will not cause any damage to the conveyor belt underneath.

- Surface treatment : Anti-corrosion primer
Painted blue RAL5015, guards yellow RAL1021
- Magnetic part : Permanent ceramic magnets quality BM7
Transport pole length (H) 800mm as standard
- Motor : SEW motor
- Belt : Synthetic rubber with vulcanized idlers. The crowned shape of the drums make the belt path self-adjusting.

On request:

- Control cabinet with thermal overload protector, pushbutton ON / OFF, emergency stop and 2 Signal lights (ON / OFF).
- Correx Blue; belt equipped with a wear resistant layer of Correx Bleu 45° shore.
- Extra strong Neodymium version

Ceramic version

Article number	A	B	C	D	E	F	G	Motor (belt)	Weight (kg)
LD320.800/1000	320	1000	800	247	2750	1450	890	2,2	2050
LD320.1000/1000	320	1000	1000	247	2750	1650	1090	2,2	1610
LD400.1000/1000	400	1000	1000	350	2905	1790	1090	3,0	3500
LD400.1000/1200	400	1200	1000	350	3105	1790	1090	3,0	3900
LD400.1200/1200	400	1200	1200	350	3105	1990	1290	3,0	4500
LD400.1200/1400	400	1400	1200	350	3305	1990	1290	3,0	4700
LD400.1400/1400	400	1400	1400	350	3305	2190	1490	3,0	4900
LD400.1400/1600	400	1600	1400	350	3505	2190	1490	3,0	5400
LD500.1200/1200	500	1200	1200	410	3400	1990	1340	4,0	5000
LD500.1200/1400	500	1400	1200	410	3600	1990	1340	4,0	5500
LD500.1400/1400	500	1400	1400	410	3600	2190	1540	4,0	5700
LD500.1400/1600	500	1600	1400	410	3800	2190	1540	4,0	5900

Sizes and dimensions (in mm) as shown in the drawing.

Dimensions and shape of the magnet, in combination with required manufacturing processes, may cause the magnetic and physical characteristics to vary from typical values. Therefore, all data presented in this document are for general reference only and should not be relied upon to represent standard characteristics, nor are they guaranteed upon use. Bakker Magnetics reserves the right to change information in this document, including magnet performance standards, specifications, and characteristics without notice.



