

MAGNETIC COMPONENTS





Convey cans or other steel products with the help of magnetic force.

The pressure on production and engineering departments of modern canning, can-making and other steel component manufacturers to run their line speeds ever faster increases the need for top quality, well designed conveying.

CANLINE Magnetics is specialized in manufacturing magnet aided conveying systems as turn-key projects, individual magnetic conveying devices and magnetic components to be built into the customer's own constructions.

By using the magnetic components shown in this catalogue it is possible to build production proven conveyors which will transport a large range of products, some at very high speed, for example empty beverage cans at 2400 cans p/min.

Mostly in conveying CANLINE Magnetics uses the permanent magnetic system but in special circumstances both permanent and electro could be used. Well designed and well manufactured permanent magnets built into a good elevator, Lowerator, overhead transfer unit etc. will guarantee production requirements across a wide range of products from slow to high speed.

The permanent magnetic system designed by CANLINE Magnetics is very cost effective because the correct magnet strength is available therefore not causing unnecessary wear or power wastage. Also permanent magnetic units do not consume electricity or need maintenance and as the magnetic material used by CANLINE Magnetics is of the highest standard they will never lose their power unless subjected to severe damage or excessive heat.

There are many other advantages of high quality magnetic conveying, such as, side rails can be eliminated to avoid damage to the decoration on a can (or other product), diameter and height changes without change parts, low noise level and a minimum of product to product contact.

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Some hints for the designer

Do you have a specific conveyor problem?

If so please contact CANLINE Magnetics and one of our specialists will be able to advise you and design a world class tailor made solution.

For straight forward situations, elevators, Lowerator etc. you can design your own magnetic scheme to be built into your construction with the help of the application charts in this catalogue. Please remember that all CANLINE Magnetics magnets are compatible.

When selecting magnetic units for a project be sure to keep the north pole on the same side. Magnetic units are all labeled showing the north pole side. Try to keep the distance between the components and the magnet as small as possible and select the correct conveying medium for the job. The component side of the conveying medium must have enough friction to transport the component in a stable fashion on the magnetic section. Side by side transfers from a magnetic conveyor to a non-magnetic one table top mass or slat chain can be easily done with the use of the correct magnetic units. If the product being conveyed is wet, greasy or covered in coolant etc. then the friction surface will be reduced and the magnet strength will have to be increased. CANLINE Magnetics makes magnetic units for all types of wet applications.

If you have a non standard size or application CANLINE Magnetics can supply special magnets on request.

If a magnetic conveyor is exposed to temperature changes, it should be noted that the power of the magnets will vary. The pull force reduces with a rise in temperature and will return to normal when the temperature reduces but above a certain temperature the loss is permanent.

Reference values are, for Neodymium magnets 80 degrees C. and for Ceramic magnets 200 degrees C. Please contact CANLINE Magnetics if you have a heat related query.

Check the specifications for the conveyor

Type of product to be conveyed

- Dimensions of the product
- In case of cans: full or empty
- Conditions in factory:
 - Wet or dry
 - Clean or greasy
 - Product temperature (changes) of product / Ambient temperature

• Geometry:

- Material
- Shape
- Wall thickness

• Distance between magnet and product to be conveyed (airgap)

• Do you require to stop and start the conveyors when fully loaded

• If the can is full, state type of product, liquid or solid or semi solid

• If wet, what makes the can wet: water, grease, coolant etc..

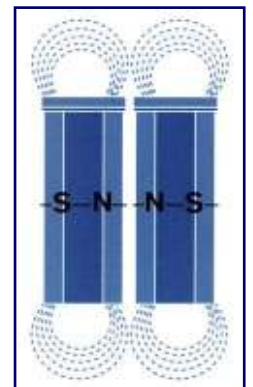
• Elevator or Lowerator required

• Running speed

• Distance between cans

• Type and size of motor

When we receive your requests we will advise you with a suitable magnetic system.



Note

Keep all ferrous materials away from the immediate vicinity of the magnetic field on the top and sides of the flat units and rollers. (Distance approx. 10 cm). Ferrous materials too close to the magnetic field can absorb power and lower performance of the system.

Any two magnetic units or rollers can be placed side by side, equal poles must face each other, so that they repel each other and a correct magnetic field is maintained.

How to choose the right magnet

General overview of standard magnets for standard applications

The right choice is depending on a lot of facts such as:

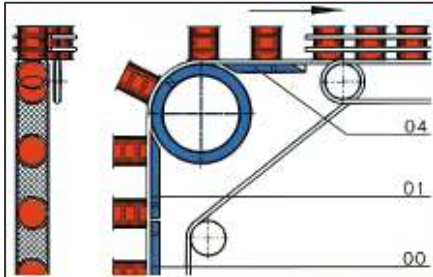
- Diameter/height/line speed/ transport medium
- Production circumstance
- Can shape/material thickness/type of ends
- Welded body
- Flanged can/closed can
- Empty can/filled can etc.

In case of doubts, please consult CANLINE Magnetics specialists. They will be pleased to serve you with the best solution.

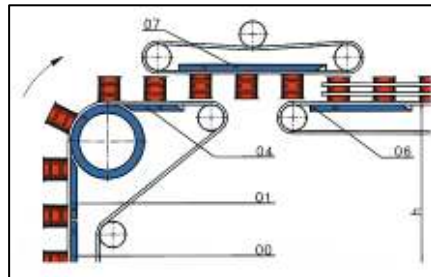
Below please find a global overview of applications of the most occurring magnets.

Type	Cross section		Max. product size
6.06	37x17 mm	Horizontal conveying of ends. or empty cans with the	Ends up to Ø153mm
6.10	52x17 mm	Vertical conveying of can ends up to . Horizontal transport empty cans, battery bodies, tomato cans without side guiding and no accumulation.	Ends up to Ø153mm Ø65x231, Ø99x178mm
6.11	52x24 mm	Vertical conveying of small empty cans.(bottom on the conveyor belt)	Ø73x113mm
6.19	102x24 mm	Vertical conveying of empty cans with steel ends. (bottom on the conveyor belt) Vertical conveying of can body's. max. speed approx. 500 cans p/min.	Ø73x113, Ø99x178mm
6.20	77x24 mm	Vertical conveying of empty cans with steel ends. (bottom on the conveyor belt) Vertical conveying of can body's. max. speed approx. 500 cans p/min.	Ø73x113, Ø99x119mm
6.21	66x37,5 mm	Special U profile magnet for transport of blanks with timing belts.	
6.22	77x44 mm	Special design for empty beverage cans.	
6.23	77x 24 mm	Vertical conveying of empty cans with steel ends. (bottom on the conveyor belt) Vertical conveying of can body's. max. speed approx. 500 cans p/min.	Ø99x178mm
6.30	102x24 mm	Vertical conveying of empty cans with steel ends. (bottom on the conveyor belt) Vertical conveying of can body's.	Ø153x153mm
6.33	102x24 mm	Vertical conveying of filled cans.	Ø99x50mm
6.40	102x44 mm	Vertical conveying of all sizes of empty cans. Vertical conveying of empty aerosol cans.	Ø99x178, Ø153x231mm Ø65x130mm
6.41	102x44 mm	Conveying of filled cans at an angle up to 60° or even vertical.	Ø73x113mm
6.42	122x44 mm	Conveying of filled cans at an angle up to 60° or even vertical.	Ø99x178mm
6.43	102x44 mm	Vertical conveying of filled cans. All types of empty aerosol cans.	Ø86x86mm
6.50	152x46 mm	Vertical conveying of empty cans with a diameter bigger than Ø 150 mm.	Heights max. 2 x D.
6.53	152x46 mm	Vertical conveying of can bodies or cans bigger than Ø150 mm and filled cans at an angle, larger than Ø 99 mm.	Height max. 0,75 x D.
6.63	152x28 mm	Suitable for conveying of bigger filled cans at an angle.	Height max. 1,5 x D.

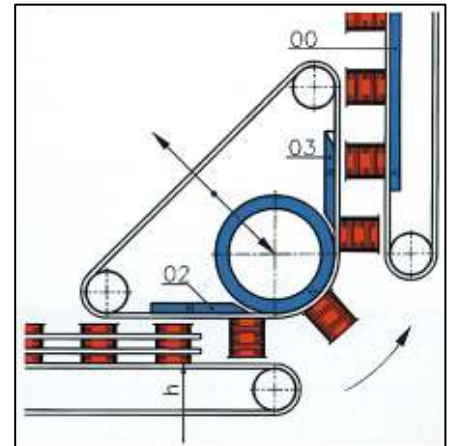
Some examples of magnetic can conveying



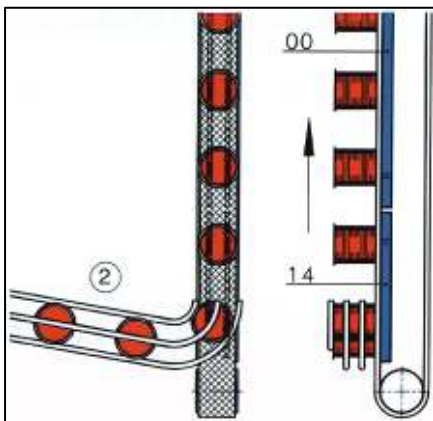
- The last magnetic bar in a conveyor must have a weakening magnetic field.



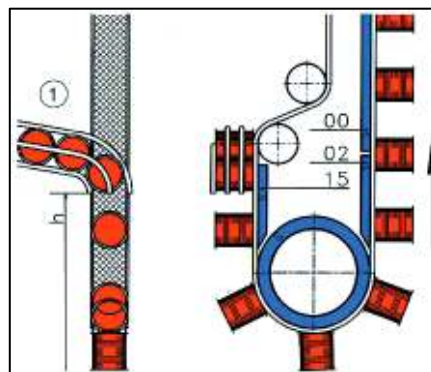
- Magnetic transfer unit for smooth movement from one belt to another.
Fallen cans are automatically ejected if can diameter is smaller than the height.



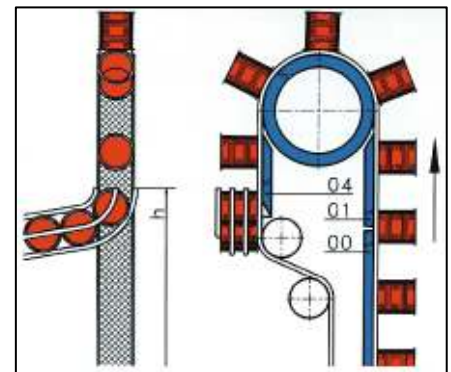
- Design to convey cans through 'negative curve'.



- Cans enter the magnetic conveyor by rolling chute (2). A special magnetic bar will attract the can onto the centre of the belt. Suitable for empty and full cans. Reduces also belt tracking problems.



- Cans enter the magnetic conveyor by rolling chute (1). The magnets in this conveyor assist the can flow and are suitable for high speed lines.



- A magnetic unit with weakening field after the magnetic roller is necessary in this design.

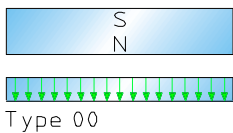


Standard magnetic units in 'build-it-yourself' form

CANLINE Magnetics supplies magnetic units with a variety of strengths and designs which if chosen correctly will solve most magnetic conveying problems.

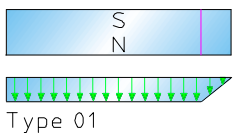
All magnets have a non magnetic base plate to enable easy assembly of your construction. The face of the magnetic units is covered in stainless steel on to the conveying medium runs directly. All magnetic units are clearly marked with the N = North Pole on one side.

To ensure trouble-free running, all North Poles should be fitted on the same side of the conveyor. The following types of standard units are the most common, but every type can be delivered in each magnet strength.



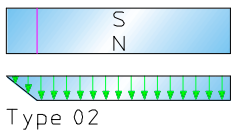
Type 00

00 Magnetic unit for straight sections with constant magnet strength.



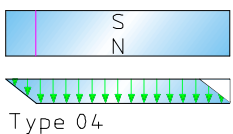
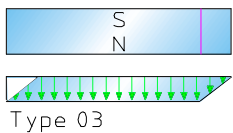
Type 01 and 02

01 and 02 Magnetic units with tapered end for transfer from straight to roller or vice versa.



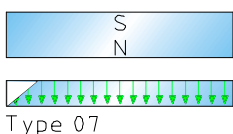
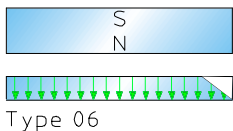
Type 03 and 04

03 and 04 Magnetic units with weakening field and with tapered end for transfer to non magnetic conveyor. The weakening field permits a smooth and trouble-free transfer from a roller to a non magnetic conveyor.



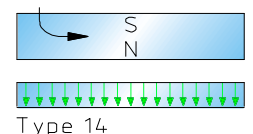
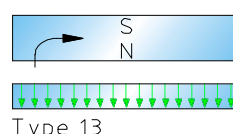
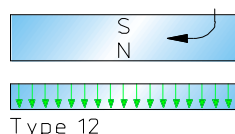
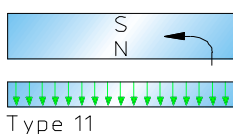
Type 06 and 07

06 and 07 Magnetic units with weakening field for transfer from a straight magnetic unit to non magnetic conveying. The weakening field (reducing force) permits a smooth and trouble-free transfer.



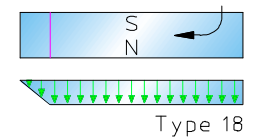
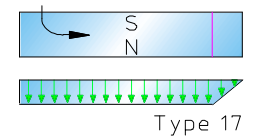
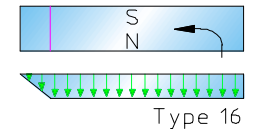
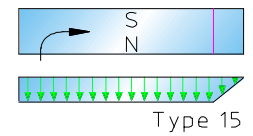
Type 11, 12, 13 and 14

11, 12, 13 and 14 Magnetic units to transfer from gravitation conveying (rolling can) to magnetic conveying. The can will be centered automatically by the magnetic force. These are not made in standard lengths. Please specify length required.



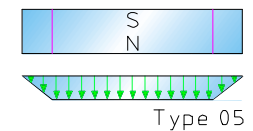
Type 15, 16, 17 and 18

Magnetic units with tapered end and the possibility to transfer from non-magnetic conveyors to magnetic conveyors or roller or vice versa. There are not made in standard lengths. Please specify length required.



Type 05

05 Magnetic unit with 2 tapered ends. These can be used between 2 magnetic rollers, and being designed as connection units are not made to any specific dimensions. They are made in lengths to suit individual customer requirements. When ordering, be sure to quote center distance of rollers and roller type.



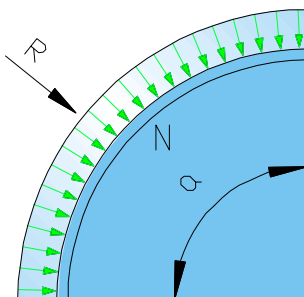
Type 08

08 Curved unit for transfer from vertical to horizontal movement or vice versa. In most cases (because of belt wear) a roller is preferred when having a belt speed of more than 40 m/min.

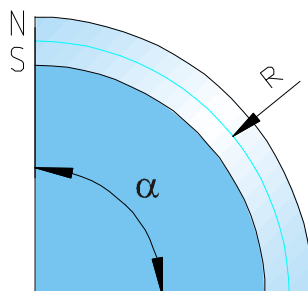
Type 09 and 10

09 and 10 Curved unit for transfer in horizontal movement with constant magnet strength.

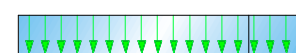
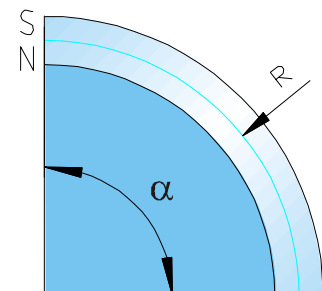
Beside a wide range of standard magnetic units, CANLINE Magnetics makes special magnets in various strengths tailored to suit individual requirements and production needs.



Type 08

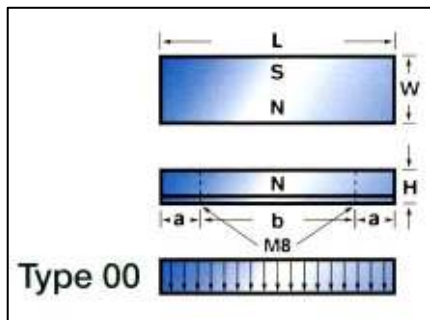


Type 09



Type 10

Magnetic units with square ends



Units with length $\leq 60 - 150$ mm:

a = 20 mm

Units with length $\leq 151 - 200$ mm:

a = 50 mm

Units with length $> 201 - 1000$ mm:

a = 75 mm

Fixing holes M8 x 15 mm (2x)

Power 606 W= 37mm H= 17mm			Power 621 W= 66mm H= 37,5mm		
Code	L	b	Code	L	b
6.06.00.10	100	60	6.21.00.10	100	60
6.06.00.20	200	100	6.21.00.20	200	100
6.06.00.30	300	150	6.21.00.30	300	150
6.06.00.40	400	250	6.21.00.40	400	250
6.06.00.50	500	350	6.21.00.50	500	350
6.06.00.60	600	450	6.21.00.60	600	450
6.06.00.70	700	550	6.21.00.70	700	550
6.06.00.75	750	600	6.21.00.75	750	600
6.06.00.80	800	650	6.21.00.80	800	650
6.06.00.90	900	750	6.21.00.90	900	750
6.06.00.00	1000	850	6.21.00.00	1000	850
Power 610 W= 52mm H= 17mm			Power 622 W= 77mm H= 44mm		
Code	L	b	Code	L	b
6.10.00.10	100	60	6.22.00.10	100	60
6.10.00.20	200	100	6.22.00.20	200	100
6.10.00.30	300	150	6.22.00.30	300	150
6.10.00.40	400	250	6.22.00.40	400	250
6.10.00.50	500	350	6.22.00.50	500	350
6.10.00.60	600	450	6.22.00.60	600	450
6.10.00.70	700	550	6.22.00.70	700	550
6.10.00.75	750	600	6.22.00.75	750	600
6.10.00.80	800	650	6.22.00.80	800	650
6.10.00.90	900	750	6.22.00.90	900	750
6.10.00.00	1000	850	6.22.00.00	1000	850
Power 611 W= 52mm H= 24mm			Power 623 W= 77mm H= 24mm		
Code	L	b	Code	L	b
6.11.00.10	100	60	6.23.00.10	100	60
6.11.00.20	200	100	6.23.00.20	200	100
6.11.00.30	300	150	6.23.00.30	300	150
6.11.00.40	400	250	6.23.00.40	400	250
6.11.00.50	500	350	6.23.00.50	500	350
6.11.00.60	600	450	6.23.00.60	600	450
6.11.00.70	700	550	6.23.00.70	700	550
6.11.00.75	750	600	6.23.00.75	750	600
6.11.00.80	800	650	6.23.00.80	800	650
6.11.00.90	900	750	6.23.00.90	900	750
6.11.00.00	1000	850	6.23.00.00	1000	850
Power 619 W= 102mm H= 24mm			Power 630 W= 102mm H= 24mm		
Code	L	b	Code	L	b
6.19.00.10	100	60	6.30.00.10	100	60
6.19.00.20	200	100	6.30.00.20	200	100
6.19.00.30	300	150	6.30.00.30	300	150
6.19.00.40	400	250	6.30.00.40	400	250
6.19.00.50	500	350	6.30.00.50	500	350
6.19.00.60	600	450	6.30.00.60	600	450
6.19.00.70	700	550	6.30.00.70	700	550
6.19.00.75	750	600	6.30.00.75	750	600
6.19.00.80	800	650	6.30.00.80	800	650
6.19.00.90	900	750	6.30.00.90	900	750
6.19.00.00	1000	850	6.30.00.00	1000	850
Power 620 W= 77mm H= 24mm					
Code	L	b			
6.20.00.10	100	60			
6.20.00.20	200	100			
6.20.00.30	300	150	6.06	Normal strength	
6.20.00.40	400	250	6.10	Normal strength	
6.20.00.50	500	350	6.11	Normal strength	
6.20.00.60	600	450	6.19	Normal strength	
6.20.00.70	700	550	6.20	Normal strength	
6.20.00.75	750	600	6.21	Normal strength	
6.20.00.80	800	650	6.22	Special strength	
6.20.00.90	900	750	6.23	Extra strong	

All sizes in mm. All magnetic components can be supplied in water resistant execution.

Other sizes on request

Magnetic units with square ends

Power 633 W= 102mm H= 24mm Code L b 6.33.00.10 100 60 6.33.00.20 200 100 6.33.00.30 300 150 6.33.00.40 400 250 6.33.00.50 500 350 6.33.00.60 600 450 6.33.00.70 700 550 6.33.00.75 750 600 6.33.00.80 800 650 6.33.00.90 900 750 6.33.00.00 1000 850	Power 650 W= 152mm H= 46mm Code L b 6.50.00.10 100 60 6.50.00.20 200 100 6.50.00.30 300 150 6.50.00.40 400 250 6.50.00.50 500 350 6.50.00.60 600 450 6.50.00.70 700 550 6.50.00.75 750 600 6.50.00.80 800 650 6.50.00.90 900 750 6.50.00.00 1000 850
Power 640 W= 102mm H= 44mm Code L b 6.40.00.10 100 60 6.40.00.20 200 100 6.40.00.30 300 150 6.40.00.40 400 250 6.40.00.50 500 350 6.40.00.60 600 450 6.40.00.70 700 550 6.40.00.75 750 600 6.40.00.80 800 650 6.40.00.90 900 750 6.40.00.00 1000 850	Power 653 W= 152mm H= 46mm Code L b 6.53.00.10 100 60 6.53.00.20 200 100 6.53.00.30 300 150 6.53.00.40 400 250 6.53.00.50 500 350 6.53.00.60 600 450 6.53.00.70 700 550 6.53.00.75 750 600 6.53.00.80 800 650 6.53.00.90 900 750 6.53.00.00 1000 850
Power 641 W= 102mm H= 44mm Code L b 6.41.00.10 100 60 6.41.00.20 200 100 6.41.00.30 300 150 6.41.00.40 400 250 6.41.00.50 500 350 6.41.00.60 600 450 6.41.00.70 700 550 6.41.00.75 750 600 6.41.00.80 800 650 6.41.00.90 900 750 6.41.00.00 1000 850	Power 663 W= 152mm H= 28mm Code L b 6.63.00.10 100 60 6.63.00.20 200 100 6.63.00.30 300 150 6.63.00.40 400 250 6.63.00.50 500 350 6.63.00.60 600 450 6.63.00.70 700 550 6.63.00.75 750 600 6.63.00.80 800 650 6.63.00.90 900 750 6.63.00.00 1000 850
Power 642 W= 122mm H= 44mm Code L b 6.42.00.10 100 60 6.42.00.20 200 100 6.42.00.30 300 150 6.42.00.40 400 250 6.42.00.50 500 350 6.42.00.60 600 450 6.42.00.70 700 550 6.42.00.75 750 600 6.42.00.80 800 650 6.42.00.90 900 750 6.42.00.00 1000 850	
Power 643 W= 102mm H= 44mm Code L H 6.43.00.10 100 60 6.43.00.20 200 100 6.43.00.30 300 150 6.43.00.40 400 250 6.43.00.50 500 350 6.43.00.60 600 450 6.43.00.70 700 550 6.43.00.75 750 600 6.43.00.80 800 650 6.43.00.90 900 750	6.33 Extra strong 6.40 Normal strength 6.41 Extra strong 6.42 Extra strong 6.43 Extra strong 6.50 Normal strength 6.53 Extra strong

All sizes in mm. All magnetic components can be supplied in water resistant execution.
Other sizes on request

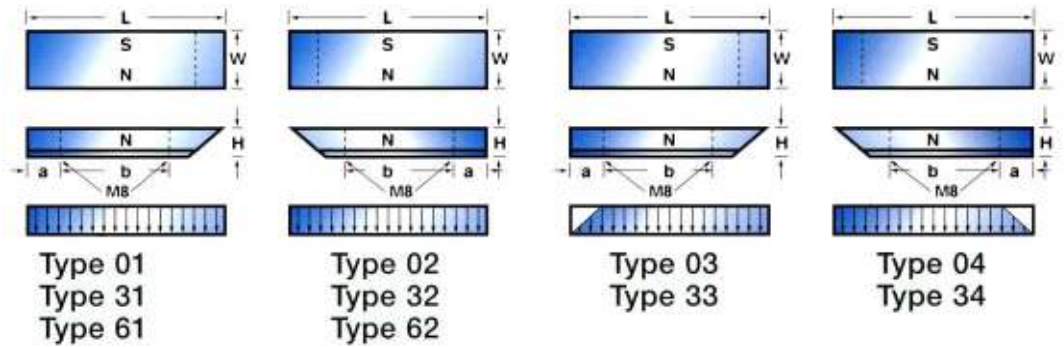
Magnetic units with tapered end / weakening field

L = 335 mm

a = 50 mm

b = 100 mm

Fixing holes M8 x 15 (2x)



For rollers Ø400 mm:

For rollers Ø600 mm:

Units with tapered end for rollers Ø400 mm

Units with tapered end and weakening field for rollers Ø400 mm

Power 606 W= 37mm H= 17mm Code L H 6.06.01.34 335 100 6.06.02.34 335 100 6.06.03.34 335 100 6.06.04.34 335 100	Power 622 W= 77mm H= 44mm Code L H 6.22.01.34 335 100 6.22.02.34 335 100 6.22.03.34 335 100 6.22.04.34 335 100	Power 642 W= 122mm H= 44mm Code L H 6.42.01.34 335 100 6.42.02.34 335 100 6.42.03.34 335 100 6.42.04.34 335 100
Power 610 W= 52mm H= 17mm Code L H 6.10.01.34 335 100 6.10.02.34 335 100 6.10.03.34 335 100 6.10.04.34 335 100	Power 623 W= 77mm H= 24mm Code L H 6.23.01.34 335 100 6.23.02.34 335 100 6.23.03.34 335 100 6.23.04.34 335 100	Power 643 W= 102mm H= 44mm Code L H 6.43.01.34 335 100 6.43.02.34 335 100 6.43.03.34 335 100 6.43.04.34 335 100
Power 611 W= 52mm H= 24mm Code L H 6.11.01.34 335 100 6.11.02.34 335 100 6.11.03.34 335 100 6.11.04.34 335 100	Power 630 W= 102mm H= 24mm Code L H 6.30.01.34 335 100 6.30.02.34 335 100 6.30.03.34 335 100 6.30.04.34 335 100	Power 650 W= 152mm H= 46mm Code L H 6.50.01.34 335 100 6.50.02.34 335 100 6.50.03.34 335 100 6.50.04.34 335 100
Power 619 W= 102mm H= 24mm Code L H 6.19.01.34 335 100 6.19.02.34 335 100 6.19.03.34 335 100 6.19.04.34 335 100	Power 633 W= 102mm H= 24mm Code L H 6.33.01.34 335 100 6.33.02.34 335 100 6.33.03.34 335 100 6.33.04.34 335 100	Power 653 W= 152mm H= 46mm Code L H 6.53.01.34 335 100 6.53.02.34 335 100 6.53.03.34 335 100 6.53.04.34 335 100
Power 620 W= 77mm H= 24mm Code L H 6.20.01.34 335 100 6.20.02.34 335 100 6.20.03.34 335 100 6.20.04.34 335 100	Power 640 W= 102mm H= 44mm Code L H 6.40.01.34 335 100 6.40.02.34 335 100 6.40.03.34 335 100 6.40.04.34 335 100	Power 663 W= 152mm H= 28mm Code L H 6.63.01.34 335 100 6.63.02.34 335 100 6.63.03.34 335 100 6.63.04.34 335 100
Power 621 W= 66mm H= 37,5mm Code L H 6.21.01.34 335 100 6.21.02.34 335 100 6.21.03.34 335 100 6.21.04.34 335 100	Power 641 W= 102mm H= 44mm Code L H 6.41.01.34 335 100 6.41.02.34 335 100 6.41.03.34 335 100 6.41.04.34 335 100	

All sizes in mm. All magnetic bars and plates can be supplied with counter sunk fixing M8.

Other sizes on request

Units with tapered end for rollers Ø600 mm

Units with tapered end and weakening field for rollers Ø600 mm

Power 630 W= 102mm H= 24mm Code L H 6.30.31.34 335 100 6.30.32.34 335 100 6.30.33.34 335 100 6.30.34.34 335 100	Power 642 W= 122mm H= 44mm Code L H 6.42.31.34 335 100 6.42.32.34 335 100 6.42.33.34 335 100 6.42.34.34 335 100	Power 643 W= 102mm H= 44mm Code L H 6.43.31.34 335 100 6.43.32.34 335 100 6.43.33.34 335 100 6.43.34.34 335 100
Power 633 W= 102mm H= 24mm Code L H 6.33.31.34 335 100 6.33.32.34 335 100 6.33.33.34 335 100 6.33.34.34 335 100	Power 640 W= 102mm H= 44mm Code L H 6.40.31.34 335 100 6.40.32.34 335 100 6.40.33.34 335 100 6.40.34.34 335 100	Power 650 W= 152mm H= 46mm Code L H 6.50.31.34 335 100 6.50.32.34 335 100 6.50.33.34 335 100 6.50.34.34 335 100

Special units with strong tapered end for rollers Ø600 mm

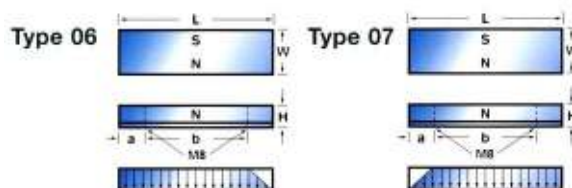
Power 630 W= 102mm H= 24mm Code L H 6.30.61.34 335 100 6.30.62.34 335 100	Power 640 W= 102mm H= 44mm Code L H 6.40.61.34 335 100 6.40.62.34 335 100
Power 633 W= 102mm H= 24mm Code L H 6.33.61.34 335 100 6.33.62.34 335 100	Power 643 W= 102mm H= 44mm Code L H 6.43.61.34 335 100 6.43.62.34 335 100

L = 300 mm

a = 75 mm

b = 150 mm

Fixing holes M8 x 15 (2x)



Magnetic units with square end / weakening field

Power 606 W= 37mm H= 17mm Code L H 6.06.06.30 335 100 6.06.07.30 335 100	Power 622 W= 77mm H= 44mm Code L H 6.22.06.30 300 150 6.22.07.30 300 150	Power 642 W= 122mm H= 44mm Code L H 6.42.06.30 300 150 6.42.07.30 300 150
Power 610 W= 52mm H= 17mm Code L H 6.10.06.30 300 150 6.10.07.30 300 150	Power 623 W= 77mm H= 24mm Code L H 6.23.06.30 300 150 6.23.07.30 300 150	Power 643 W= 102mm H= 44mm Code L H 6.43.06.30 300 150 6.43.07.30 300 150
Power 611 W= 52mm H= 24mm Code L H 6.11.06.30 300 150 6.11.07.30 300 150	Power 630 W= 102mm H= 24mm Code L H 6.30.06.30 300 150 6.30.07.30 300 150	Power 650 W= 152mm H= 46mm Code L H 6.50.06.30 300 150 6.50.07.30 300 150
Power 619 W= 102mm H= 24mm Code L H 6.19.06.30 335 100 6.19.07.30 335 100	Power 633 W= 102mm H= 24mm Code L H 6.33.06.30 300 150 6.33.07.30 300 150	Power 653 W= 152mm H= 46mm Code L H 6.53.06.30 300 150 6.53.07.30 300 150
Power 620 W= 77mm H= 24mm Code L H 6.20.06.30 300 150 6.20.07.30 300 150	Power 640 W= 102mm H= 44mm Code L H 6.40.06.30 300 150 6.40.07.30 300 150	Power 663 W= 152mm H= 28mm Code L H 6.63.06.30 300 150 6.63.07.30 300 150
Power 621 W= 66mm H= 37,5mm Code L H 6.21.06.30 300 150 6.21.07.30 300 150	Power 641 W= 102mm H= 44mm Code L H 6.41.06.30 300 150 6.41.07.30 300 150	

All sizes in mm. All magnetic components can be supplied in water resistant execution.

Other sizes on request

Magnetic rollers

Ø 220 mm / Ø 400 mm / Ø600 mm

Several types

The standard diameters are: Ø 220 mm, Ø 400 mm and Ø 600 mm. This range covers most of the requirements for modern can handling. For special applications we produce tailor made rollers according to customer's requirements.

Ø 220 mm rollers

Suitable for:

- end handling
- twist-off caps
- small cans/containers with low speed available in five widths



Ø 400 mm rollers

These are available in six widths. The Ø 400 mm roller is suitable for can sizes from Ø 52 mm up to Ø 220 mm.

- Types:
- normal strength
 - extra strong
 - neodymium strength

Type and strength depend on can size, can type, empty or filled can, and number of cans per minute. The type and thickness of the conveying medium are also of influence.

Ø 600 mm rollers

These are available in four widths and one strengths.

- neodymium strength

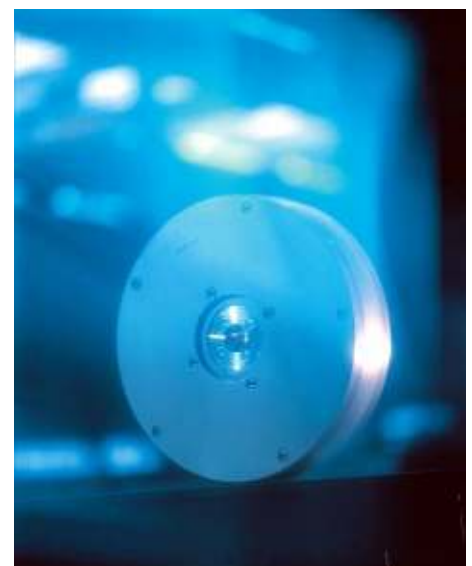
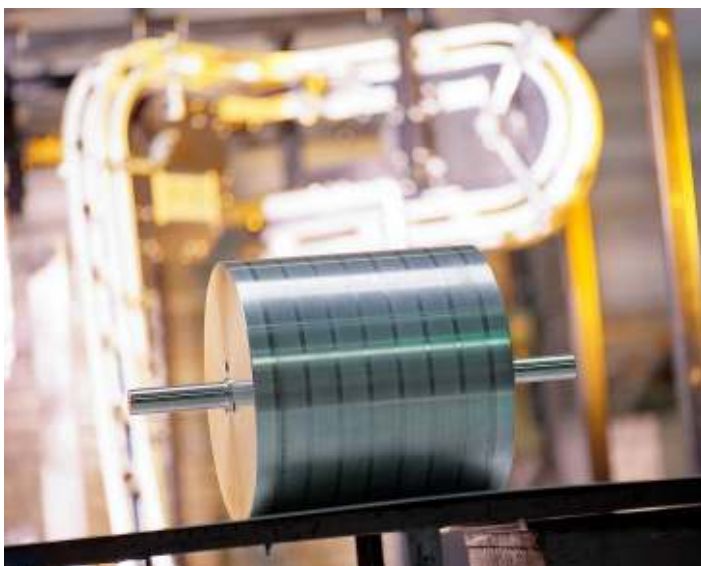
These magnetic rollers are suitable for high speed can making lines; for instance in the 2-piece can making industry, for tall aerosol cans and for filled cans as well. Depending on the conveying medium, magnetic.

Crowned rollers are 'tailor made'.

How to choose the right magnetic roller?

If you are wondering which type of roller you need please contact your nearest sales office, or send our request to CANLINE Magnetics. Either party will be pleased to advise you.

Magnetic rollers	Type	Code	Size
	Normal strength key fixing Ø 30 H7	6.72.07.22	Ø 220 x 75
		6.72.09.22	Ø 220 x 90
		6.72.10.22	Ø 220 x 100
		6.72.11.22	Ø 220 x 110
		6.72.12.22	Ø 220 x 120
	Normal strength Crowned with clamping bushes	6.71.07.40	Ø 400 x 75
		6.71.08.40	Ø 400 x 84
		6.71.09.40	Ø 400 x 94
		6.71.10.40	Ø 400 x 102
		6.71.11.40	Ø 400 x 110
6.71.14.40	Ø 400 x 145		
	Extra strong Crowned with clamping bushes	6.73.07.40	Ø 400 x 75
		6.73.08.40	Ø 400 x 84
		6.73.09.40	Ø 400 x 94
		6.73.10.40	Ø 400 x 102
		6.73.11.40	Ø 400 x 110
6.73.14.40	Ø 400 x 145		
	Extra strong crowned with bearings	6.77.07.40	Ø 400 x 75
		6.77.08.40	Ø 400 x 84
		6.77.09.40	Ø 400 x 94
		6.77.10.40	Ø 400 x 102
		6.77.11.40	Ø 400 x 110
6.77.14.40	Ø 400 x 145		
	Neodymium crowned with clamping bushes	6.79.08.40	Ø 400 x 84
		6.79.09.40	Ø 400 x 94
		6.79.10.40	Ø 400 x 100
		6.79.11.40	Ø 400 x 110
	Neodymium crowned with clamping bushes	6.79.08.60	Ø 600 x 84
		6.79.09.60	Ø 600 x 94
		6.79.10.60	Ø 600 x 100
		6.79.11.60	Ø 600 x 110





Magnetic plates magnetic curves



Magnetic plates

A wide range of magnetic plates are available especially designed for mass conveying such as elevators, lowerators and transfer units. These plates can be used with various types of conveying mediums to transport a wide variety of components, ranging from empty cans to heavy trays used in the bakery industry.

Sizes

Magnetic plates are available in any length or width, but due to the heavy weight CANLINE Magnetics does not produce them bigger than approx 1000 mm x 1000 mm. When a large system is required, it is produced in segments.



Shapes

Magnetic plates are available in:

- straight plates
- curved plates with magnetic field at the inside or outside radius



Strength

CANLINE Magnetics builds its magnetic plates to insure they have the correct strength for the job.

Smooth transfers

For a smooth transfer to and from a magnetic plate, a magnetic field with increasing or decreasing field can be provided.

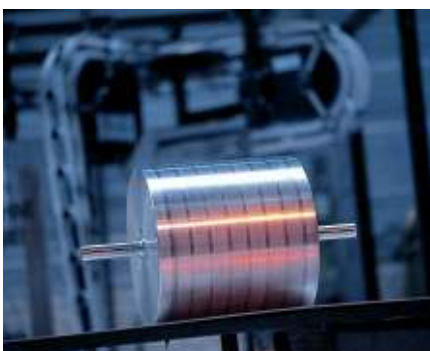


Tapered end

For a transfer to or from a magnetic roller are the magnetic plates equipped with a tapered end.

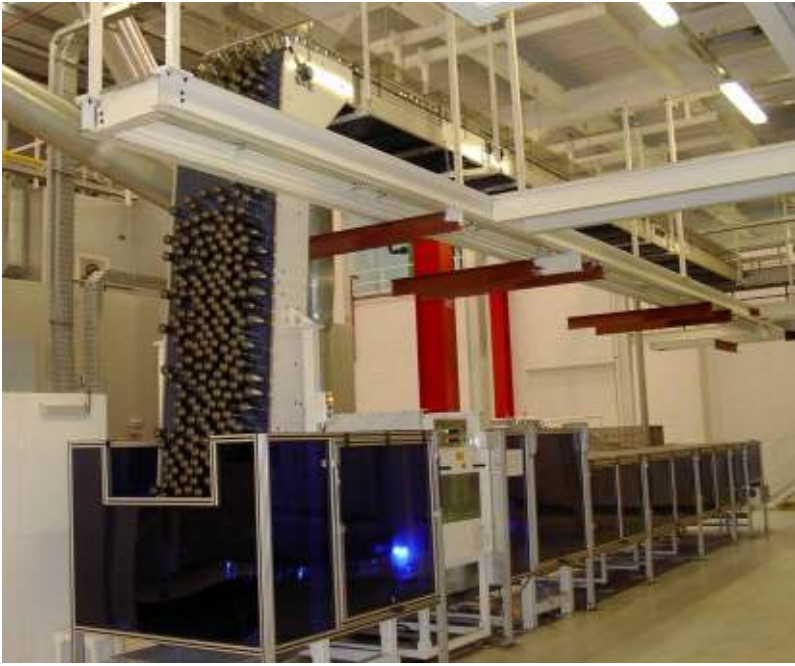
Wear equipped plates

To protect the top of the magnetic plate, replaceable stainless steel wear plates can be supplied.



Magnetic wide size rollers

As part of our mass conveying program CANLINE Magnetics produces magnetic rollers in two diameters, Ø 220 mm and Ø 400 mm. These are available in any width.



Upstack wheels are suitable for many types of ends

- Round can ends
- Rings
- Aerosol top and domes
- Rectangular ends
- Square ends
- Oval can ends

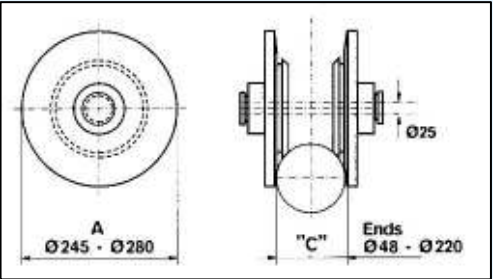


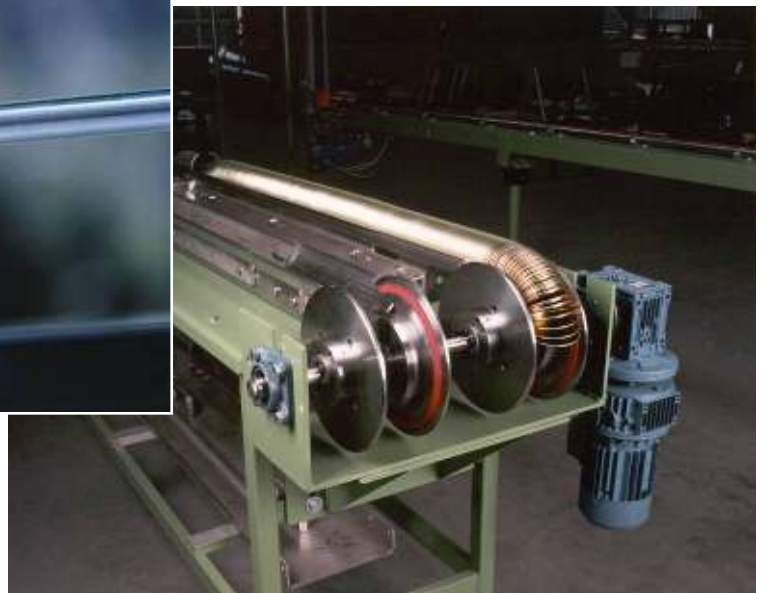
CANLINE Magnetics manufactures several standard upstack wheels

- With normal strength, especially for rings
- With and without inserts
- Extra strong especially made for the larger diameters

Upstack wheels for end handling

Code without insert	Code with insert	Strength A	Diameter diam. 'C' from-to	Suitable for
697.00.35	697.00.46	normal	Ø245	Ø48 - Ø60
697.00.41	697.00.43	normal	Ø245	Ø60 - Ø150
697.00.34	697.00.45	normal	Ø280	Ø150 - Ø220
	697.50.01	extra strong neo	Ø280	Ø75 - Ø220
				Especially for rings
	697.00.47	normal	Ø245	Ø60 - Ø150





Canline
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