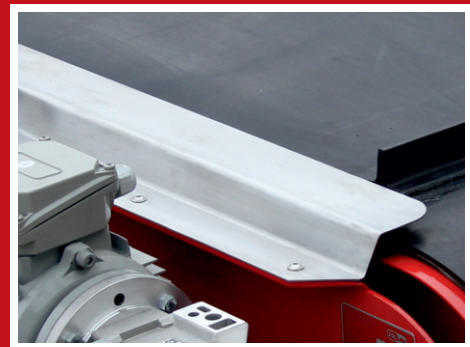




- ❑ Stainless steel protective plates from both sides
- ❑ Shielded magnetic core
- ❑ Multipolar magnet system
- ❑ Wide range of accessories
- ❑ Customized designs



The overbelt magnet DND AC M with automatic cleaning is used for application with a high iron accumulation, when a overbelt magnet DND MC with manual cleaning would not be applicable because of the fast accumulation of iron particles.

The main functions of overbelt magnets DND AC M are **the recovery of raw materials or the protection of machinery** from damage by interfering iron parts / Fe impurities.

### Installation options

The overbelt magnet with automatic cleaning is hung in most cases over a conventional conveyor belt with a partial rotation of 90° (across realization).

The overbelt magnet allows also a parallel installation over the discharge of the on-site conveyor belt.

The assembly just above the discharge drum (parallel) enables the application of the weaker overbelt magnet variants because the flow of material here is already in loosened state and the distance conveyor belt - overbelt magnet can be greater.

In case of across realization (installation of the magnetic separator with a partial rotation of 90° on the on-site conveyor belt) is recommended to use stronger overbelt magnet variants because the flow of material on the conveyor belt is still compacted and the metal parts can be situated lower in the flow of the material.

# Overbelt Magnet DND AC M

In case of across realization it is also recommended increasing trough angle of the conveyor belt thus better separation results can be achieved and bulky metal parts can be easily distributed from the conveyor belt.

In the area of the overbelt magnet are recommend to use non-magnetic materials (stainless steel, plastic). Ferromagnetic parts of structures in this area significantly weaken the effectiveness of the overbelt magnet.

The clearance of the overbelt magnet from the conveyor belt should be as small as possible. The greater clearance, the smaller the effect of the magnetic field will be realized. The distance should also not be too small so that all the metal parts can be removed safely out of the flow.

## Features and working principle:

The attracted iron particles are continuously discharged from the flow by the circulating rubber belt and they are dropped on its sides.

Our overbelt magnets remove interfering iron parts such as screwdrivers, wires, nuts, several broken iron parts of machines (shredders, crushers, mining machinery, etc).



The overbelt magnet of SOLLAU® are fitted with anisotropic ferrite magnets.

This allows the generation of a strong magnetic field, which is necessary for the effective separation of the ferromagnetic particles.

Our overbelt magnet **SOLLAU DND AC N** is designed for mobile equipment (crusher and shredder) and for the special use.

Because of **neodymium NdFeB magnets** it enables production of very strong magnetic field in significantly smaller magnetic dimensions and low weight. The dimensions are individually adaptable to every application.

The magnetic disks are thoroughly shielded to ensure that the effect of the magnetic field is directed solely down. The magnetization of adjacent structural parts is thus clearly limited.

Bilateral attached stainless steel protective plates protect the edges of the discharge belt from damage and prevent the penetration of the material by the discharge belt. Stainless steel protective plates reduce wear and increase the lifetime of the individual components.

Several types of overbelt magnets allow individual adaptation of the strength of the magnetic field to different application.

The strong **SOLLAU DND AC Ms series** is characterized by higher magnetic force and it is also suitable for demanding application.

# Overbelt Magnet DND AC M

APPLICATION:	<ul style="list-style-type: none"><li>• Solid and bulk materials</li></ul>
APPLICATION AREAS:	<ul style="list-style-type: none"><li>• Shredded material, scrap wood, plastic household waste, glass, molding sand, wood, coal, etc.</li></ul>
INSTALLATION:	<ul style="list-style-type: none"><li>• Across realization 90°</li><li>• Parallel with conveyor belt at belt discharge</li></ul>
HEIGHT OVER THE CONVEYOR BELT:	<ul style="list-style-type: none"><li>• 250 - 350 mm (depending on the material)</li></ul>
MAGNETS:	<ul style="list-style-type: none"><li>• Anisotropic ferrite magnets (Y35BH)</li></ul>
MAGNETIC CORE:	<ul style="list-style-type: none"><li>• Multipolar construction</li></ul>
DRIVE:	<ul style="list-style-type: none"><li>• Gearmotor NORD 2.2 kW (standard)</li></ul>
DRIVE ROLLER:	<ul style="list-style-type: none"><li>• 324 mm, cambered</li></ul>
GUIDE ROLLER:	<ul style="list-style-type: none"><li>• 324 mm, cambered</li></ul>
DISCHARGE CONVEYOR BELT:	<ul style="list-style-type: none"><li>• EP 400/3, shedding bars 60 mm (standard)</li></ul>
DISCHARGE BELT - SPEED:	<ul style="list-style-type: none"><li>• 1.2-1.6 m / s</li></ul>
SUSPENSION:	<ul style="list-style-type: none"><li>• Suspension bolts M16 - DIN580 (standard)</li><li>• Height adjustable threaded rods</li><li>• Custom suspension</li></ul>
SURFACE TREATMENT:	<ul style="list-style-type: none"><li>• RAL 3000 fire red (standard)</li><li>• Brushed stainless steel parts</li></ul>
ACCESSORIES:	<ul style="list-style-type: none"><li>• Upper cover (outdoor installation)</li><li>• Dropping coverage</li><li>• Band sensors</li><li>• Belt speed monitoring</li></ul>

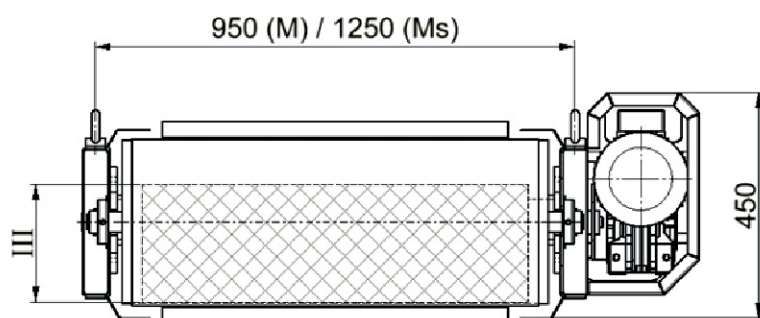
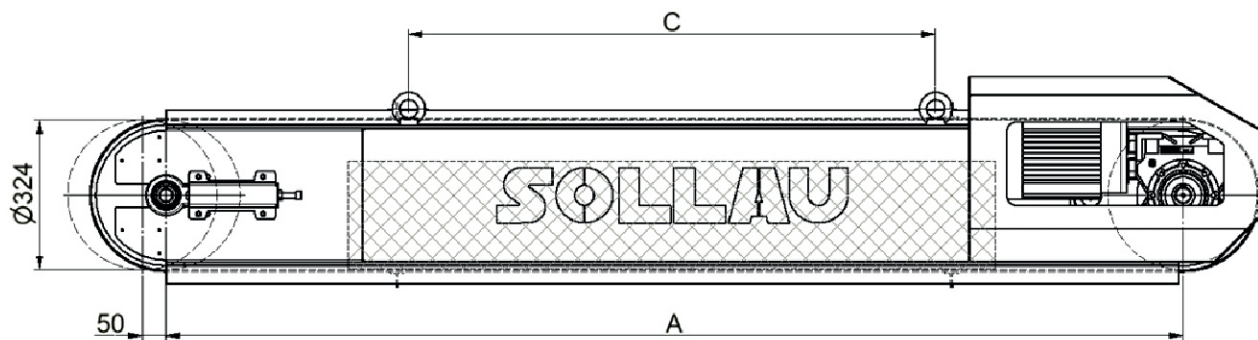
## DRIVE ALTERNATIVES:

- Gear motor SEW
- Gear motor VARVEL
- Hydraulic Motor
- Drum Motor
- Special drive units

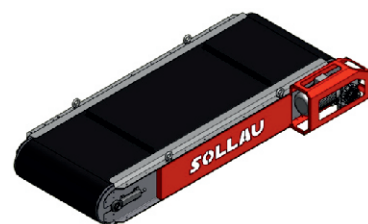
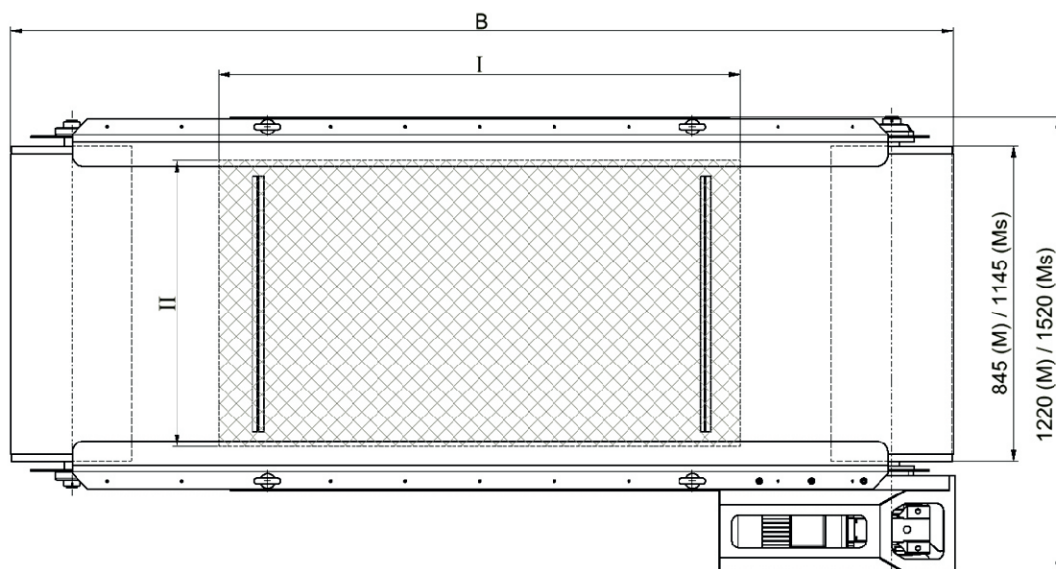
## DISCHARGE CONVEYOR BELT ALTERNATIVES:

- Oil and grease resistant belt
- Belt with special discharge bars
- Reinforced belt
- Belt for hot material

# Overbelt Magnet DND AC M



Typ	I	II	III	A	B	C
M2	700	765	230	1500	1830	440
M3	1000	765	230	1800	2130	740
M4	1200	765	230	2000	2330	940
M5	1400	765	230	2200	2530	1140
M6	1600	765	230	2400	2730	1340
M7	1800	765	230	2600	2930	1530
Ms4	1200	1065	280	2000	2330	940
Ms5	1400	1065	280	2200	2530	1140
Ms6	1600	1065	280	2400	2730	1340
Ms7	1800	1065	280	2600	2930	1530



Manufacturer:  
**SOLLAU s.r.o.**  
 Hrivinuv Ujezd 212, 763 07 Velky Orechov, Czech Republic  
 TaxID.: CZ29261759



info@sollau.cz | www.sollau.com | tel.: +420 576 013 873

**Your inquiries:** Your inquiries will be immediately treated through our qualified staff.

**Salesman visit:** Our experienced salesman will be pleased to visit you on your production site to clarify all technical details together with you.

**Delivery terms:** Standardly our delivery term is 20 working days from drawing approval. For stock products the delivery term covers 5 working days.

**Warranty:** On SOLLAU products the warranty of 12 months is provided.

**Service and reparations** are carried out by our experts at fixed intervals.