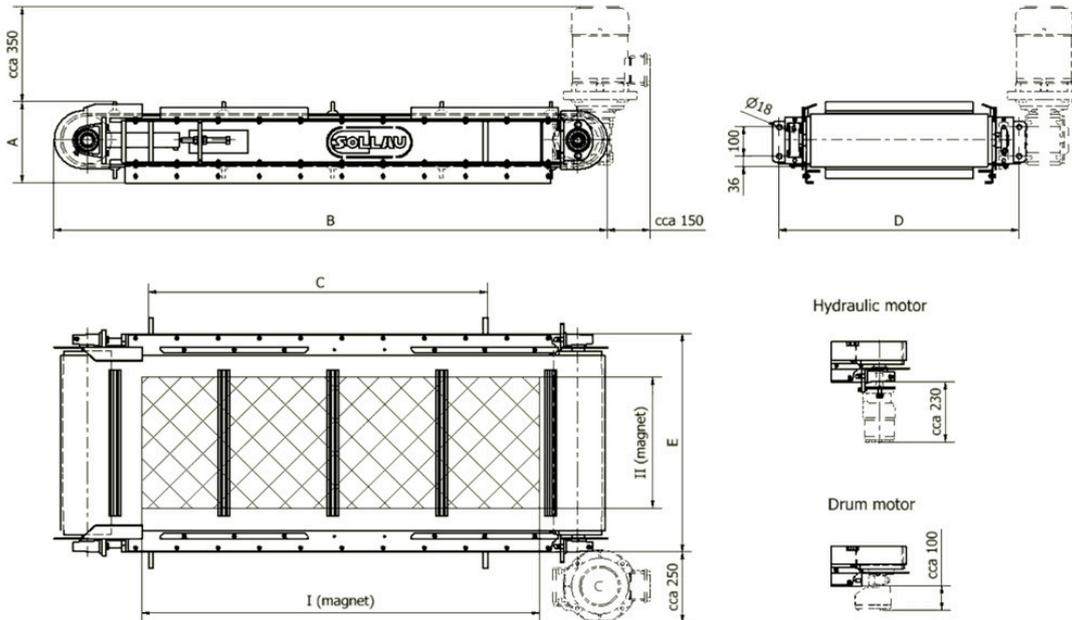


# Datasheet DND-AC Nm5 WOLF



Model	Corresponding belt width (mm)	Instalation distance (mm)	Weight (kg)	Dimensions (mm)						
				I	II	A	B	C	D	E
DND-AC Nm1 WOLF	500	250	340	500	800	280	1050	300	1014	950
DND-AC Nm2 WOLF	700	250	450	700	800	280	1250	500	1014	950
DND-AC Nm3 WOLF	1000	250	555	1000	800	280	1550	800	1014	950
DND-AC Nm4 WOLF	1200	250	655	1200	800	280	1750	1000	1014	950
DND-AC Nm5 WOLF	1400	250	750	1400	800	280	1950	1200	1014	950
DND-AC Nm6 WOLF	1600	250	845	1600	800	280	2150	1400	1014	950
DND-AC Nm7 WOLF	1800	250	940	1800	800	280	2350	1600	1014	950

<b>Parameter name</b>	<b>Value</b>
Description:	Magnetic plate with automatic cleaning
Separator placement:	across the conveyor belt
Application (= the material that the application of this separator is suitable for):	bulk material
Material flow direction):	horizontal
Recommended for the belt of max. width (across the conveyor belt) (mm):	1400
Maximum effective reach of the magnetic field (mm):	250
Built-in standard magnet type:	neodymium magnet N35
Max. magnetic induction (G) on the surface of tube (+/- 10 %):	3500
Weight of the separator (kg):	750
Standard connection of the separator:	suspension holes
Separator is suitable also even for the materials of poor bulk properties:	yes
Minimum size of the particles that can be captured by the separator (mm):	0.5
Maximum size of the particles that can be captured by the separator (mm):	300
Max. operating temperature (°C):	80
Min. surrounding ambient temperature (°C):	-25
Max. surrounding ambient temperature (°C):	45
Separator is suitable for vacuum or pressure conveying lines:	ne
Separator is suitable for materials transported by:	conveyor belt, chute
Max. speed at which that the separator can capture ferrous particles (m/s):	1.5
Separator is able to capture paramagnetic particles:	yes
Separator is suitable for abrasive materials (1 = strongly abrasive, 2 = slightly abrasive, 3 = non-abrasive):	1
Separator is suitable for materials that tend to solidify (the materials must be heated):	no
Separation of non-ferrous metals:	no
Standard requirements for the installation:	electricity supply corresponding with the motor parameters

Cleaning of the separator:	fully automatic cleaning, it is not necessary to interrupt the material flow during the cleaning
ATEX (paid option):	zone 21, 22
Outer surface treatment of the separator:	sandblasted, partially painted (RAL colour tone)
Inner surface treatment of the separator:	clean steel (no surface treatment)
Magnetic system:	magnetic plate
Motor brand:	Nord
Main motor input (kW):	4
Definition of the main motor electrical connection:	400 V, AC, 50 Hz, , PE-N, TN-C-S, circuit breaker 3F/32A
Available motor variants (the variant mentioned as the first is the standard one):	electric motor, hydraulic motor, drum motor
Degree of motor protection (against dust and water):	IP55
Speed of the separator belt (m/s):	1.9
Type of the separator belt:	rubber belt with cleats
Height of the standard cleats (mm):	60
Bearings:	SNR EXFE, SNR EXT
Available lubrication methods for the bearings:	manual
Standard electrical equipment of the separator:	no external electric cable, no frequency convertor, no electric switchboard, wiring is terminated at the motor screw terminal
Options of the extended anti-abrasion protection:	Reinforced conveyor belt
Other additionally paid options:	complete covering with protective metal panels, high temperature resistant conveyor belt, oils and/or chemicals resistant conveyor belt, automatic lubrication of bearings, revolution sensor, design for ATEX zone 20
Max. operation time (hours/day):	24
Max. production time for a standard version (if not available in stock) (weeks):	8
Standard packing:	pallet + stretch wrap
Other packing modes (surcharged options):	wooden box, maritime packing according to clients needs
Warranty (months):	12

Maximum inclination angle (in case of cross suspension) 30°. Maximum effective reach of the magnetic field is the distance between the separator belt and conveyor belt. The belt cleats must not get into direct contact with the material flow. If there are big-sized or long ferrous objects in the material transported on the conveyor belt or the max. speed cannot be reduced to the one mentioned above, we recommend that the overband magnet is placed inline above the head conveyor pulley. There is a box with tools inside of the separator body. Neodymium versions are water-tight. This

product can be delivered also in different dimensions, in the versions with a higher temperature resistance and with different kinds of magnets upon request.