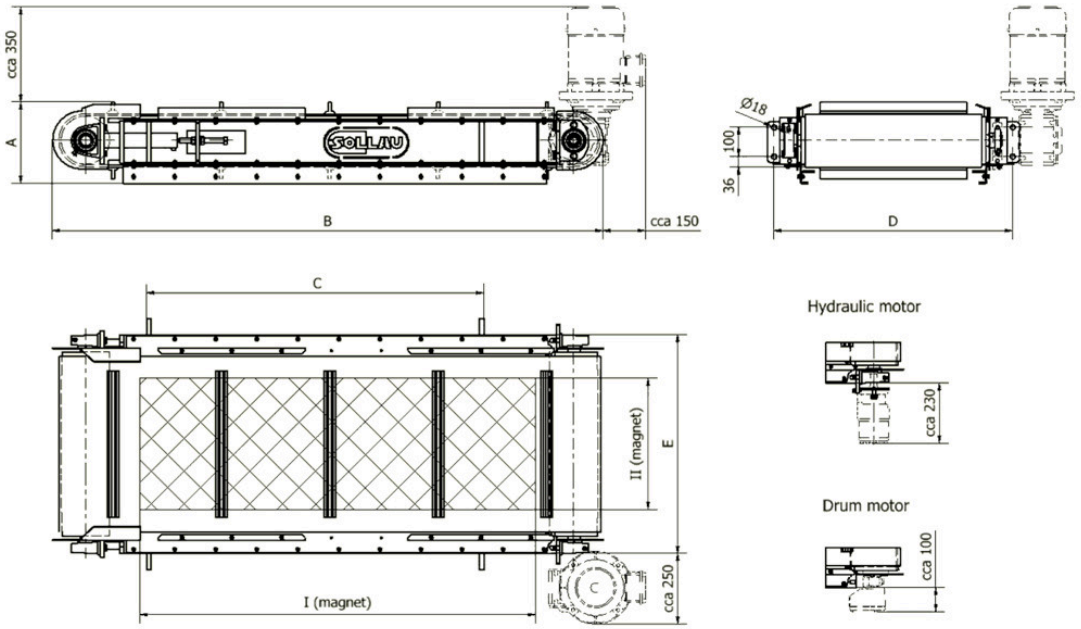
Datasheet DND-AC Ns1 HYENA



				Dimensions (mm)						
Model	**Corresponding belt width (mm)**	**Instalation distance (mm)**	**Weight (kg)**	**I**	**II**	**A**	**B**	**C**	**D**	**E**
DND-AC Ns1 HYENA	500	220	300	500	700	280	1050	300	914	850
DND-AC Ns2 HYENA	700	220	380	700	700	280	1250	500	914	850
DND-AC Ns3 HYENA	1000	220	495	1000	700	280	1550	800	914	850
DND-AC Ns4 HYENA	1200	220	585	1200	700	280	1750	1000	914	850
DND-AC Ns5 HYENA	1400	220	670	1400	700	280	1950	1200	914	850
DND-AC Ns6 HYENA	1600	220	755	1600	700	280	2150	1400	914	850
DND-AC Ns7 HYENA	1800	220	840	1800	700	280	2350	1600	914	850

Parameter name	Value
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):	500
Maximum effective reach of the magnetic field (mm):	220
Built-in standard magnet type:	neodymium magnet N35
Max. magnetic induction (G) on the surface of tube (+/- 10 %):	3500
Weight of the separator (kg):	300
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):	3
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
Avaible 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.