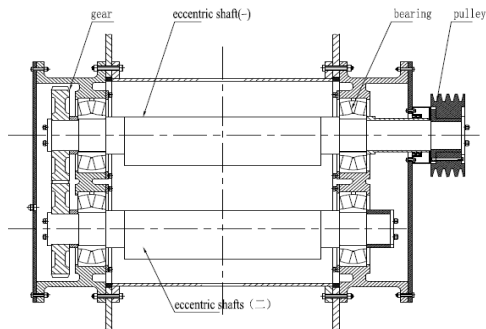


ALIMENTATEUR SCALPEUR HORIZONTALS ASC

Ces appareils tres robuste sont prevus pour l equipement des postes primaires , et on leur place a la base de la tremie de reception ils extraient et distribuent regulierement le materiaux au concasseur tout en faisant un precribleage.
Ils conviennent aussi bien pour les installations fixes , semi-fixe , que mobiles.
Ils remplacent tres avantageusement dans la plupart des cas , les alimentateur a tablier metallique , surtout lorsque le materiau comporte des produits fins et abrasifs.
En principe , ils sont horizontaux , mais peuvent etre installes avec une pente de quelques degres pour augmenter leur debits

LE VIBRATEUR TYPE ASC A VIBRATION UNI-DIRECTIONNELLE.



Deux arbres a balourds paralleles sont montes dans un boitier et sont assujet-tis a tour en sens inverse et a la meme vitesse .

- 1/ les efforts centrifuges s ajoutent
- 2/ apres rotation de 90 degres.les efforts s annullent
- 3/ apres une nouvelle rotation de 90 degres , les efforts s ajoutent a nouveau mais en sens contraire de rotation
- 4/ a nouveau , apres 90 degres de rotation les efforts s annullent, chaque rotation , il y a donc des efforte alternes qui donnent l impulsion a la patie vibrante grace au calage oblique du boitier par rapport a l ensemble ainsi la partie vibrante est animee d un mouvement rectiligne alternatif dirige vers l avant .

Tres important.

La vibration est réglable en fréquence , par modification de la vitesse du vibreur/ commande a distance .
Le debit peut ainsi etre adapte au besoins.

La commande d entrainement.

Soit par transmission par courroies trapezoidales
soit par accouplement direct

la partie vibrante.

En forme d auge generalement evasee vers le haut, fortement nervuree, peut etres doublee de plaques d usure de forte epaisseur en acier anti-abrasion.
Un sommier tres robuste recoit les materiaux en tete sur une partie pleine a la suite, plusieurs elements de peignes amovibles a fentes progressives assurent le precribleage.
Ces peignes en acier anti-abrasion forment entre-eux des cascades intermediaires

la suspension

est constituees par un nombre important de ressorts helicoidaux tres robustes, a l arriere et de caque coter.
Voici les application.



ALIMENTATEUR SCALPEUR HORIZONTALAUX ASC

Version anglaise.

Statement:

You must operate the machine like this: before you start up the machine, please don't feed it; and before you stop the machine, insure that there is no material in it

Usage

This machine is designed for feeding material with its vibration. It is widely used in mineral separation, building material, silicate and chemical industry. It can feed ores and rock less than 500mm to next equipment and at the same time, it can screen out small material.

II. Specifications and Explanation

III. Technical data

Name	ASC 850X3000	ASC 960X3800	ASC 1100X4200	ASC 1100X4900	ASC 1300X4900	ASC 1500X6000
Dimension for groove(L×W)mm	850X3000	960X3800	1100X4200	1100X4900	1300X4900	1500X6000
Max feed size (mm)	400	500	580	580	650	800
Capacity (t/h)	80~120	120~210	200~430	280~500	450~600	500~700
Power (KW)	7.5	11	15	15	22	30
Overall dimension (L×W×H) mm	3110X1800X1600	3850X1950X1630	4400X2050X1660	5200X2050X1700	5200X2350X1750	6082X2580X2083
Weight (Kg)	3895	3980	4170	4520	5200	8666

Note:L×W×H stands for length×width×height.

IV. Working Structure and Principal

ASC vibrating feeder consists of vibration frame, spring, vibrator, vibration frame of motor and motor. (Diagram

1. Vibrating Frame
- 2.Spring
3. Vibration exciter
4. Vibrating Frame for Motor
- 5.Moto

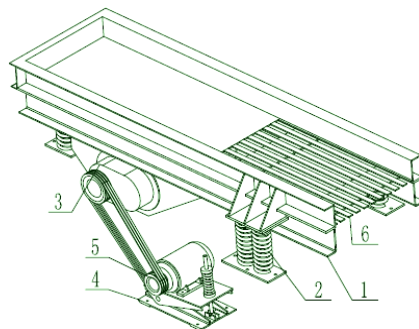


Diagram 1 Working Structure

ALIMENTATEUR SCALPEUR HORIZONTALAUX ASC

Vibrator is composed of two eccentric shafts which are located in special place by meshing. When assembling, two gears must be meshed according to marks. The motor makes two eccentric shafts rotate, which produce great vibration force. Under this impetus, the materials will be thrown forward. When the material goes through grid bar above the groove, small material will drops through space between grid bars without passing through next broken process, which plays a screen role in the whole process. (diagram 2)

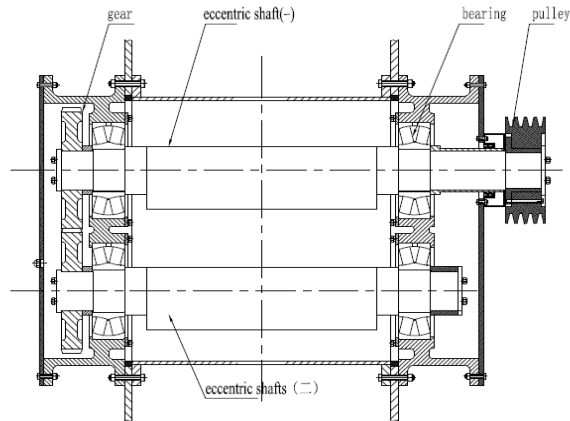


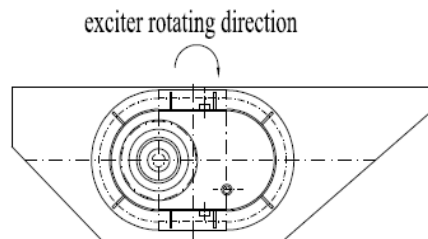
Diagram2 vibration exciter structure

V. Installation, Adjustment and Test-run

1. Installation

This feeder is supplied to the buyer after assembling and test-run by the producer. The customer shall check carefully whether there is problem which might arise during transportation. Pay attention to the followings during installation, adjustment and test-run.

- 1) Because of strong vibration of this machine, please install it on the foundation of concrete. The height, depth and area shall be calculated separately according to soil texture condition. The weight of foundation shall be roughly 1.5 times of that of machine and the dimension when assembling can be referred to drawings. Foundation for feeder and type of discharge shall satisfy the needs of machine after the feeder. Steel structure and concrete can be used according to landform when lay the foundation. (Decisions can be made by the buyer)
- 2) The groove is supporting part of this machine. The vertical distance between groove and feeding body is 90mm and the horizontal distance is 30mm.
- 3) When installing motor and support, the angle between central line of motor wheel and vibrator wheel is about 45° and the angle between motor support and motor base plate is 15°~20°. Also pay attention to the rotating direction of vibrator.
- 4) To get rid of rust-proof oil in vibrator, add lubricant oil (diagram 3) . The oil level should be higher than the standard level.
- 5) After installation and adjustment, test-run of this machine shall be carried out. Vibration exciter rotating direction



2. Adjustment and Test-run

ALIMENTATEUR SCALPEUR HORIZONTALAUX ASC

Test-run without load shall:

- 1) Operate continuously for 2 hours;
- 2) make sure that all fasteners is not loose;
- 3) make sure that there is no friction damage, no wearing, no unusual noise and even vibration in all friction parts.

Apart from the above requirements in test-run, the followings needs shall be need during test-run with load:

- (1) When feeding materials, the material shall not hit the groove strongly. Don't only feed material into one part in order not to damage the feeder body and spring and not to influence the even vibration.
- (2) Max feed size shall in accordance with stipulations when designing.
- 4) Preparation work before running the machine
 - (1) read duty records of last shift and deal with problems left;
 - (2) Ensure that there is no material between body and groove, spring , frame support that will influence movement of body.
 - (3) Check if all the fastening parts are securely locked.
 - (4) To check whether lubricant oil in vibrator is higher than standard height.
 - (5) To check whether belt is in good condition. If damaged, change it; if there is oil on it, clean it with cloth.
 - (6) To check whether protection is in good condition, if not, ruled out timely
- 5) Start
 - (1) Start the machine after confirm machine and moving parts are all in good condition.
 - (2) Starting without load is allowed.
 - (3) If unusual phenomenon is found after start, stop and check it and restart it.
- 6) Use
 - (1) The machines can work only when the vibration is even.
 - (2) Don't feed too much material in it.
 - (3) Please stop the machine in order. Don't stop it when there is material in it. Don't feed it if it stops.

VI. Lubrication, Operation and Fixture

In order to guarantee the life of the machine, user should do the lubrication of machines and carried out in accordance with the following

- 1.The bearing of vibrator use thin oil lubrication, after the first forty hours running, user should change the oil and change every three month, when change the oil, please clean the oil tank, bearing and gear appearance with gasolille or kerosine.
- 2.Ensure the level of thin oil in vibrator is higher than oil scale
- 3.This machine use L-CKD220 Heavy-load gear oils for industrial enclosed gear drives

ALIMENTATEUR SCALPEUR HORIZONTALAUX ASC

Operation

1. Inspect the oil level of vibrator before you start the machine. If the oil level is too higher can lead to the vibrator temperature too high and running unsmoothly, on the contrary too lower will lead to the bearing broken.
2. Check that all the bolts are tight and after eight hours of the use of first time, re-tight again.
3. Check the tension of V-belt to avoid to be skidded during work or start of machine
4. Ensure the minimum clearance of vibrating feeder and fixed parts.

Maintenance

- (1) When the machines are ready to be shipped to the customers, there are some lubrication oil filled in the vibration generator. If the machines are not used for 3 months, you have to change some clean lubrication oil to start operating the machines.
- (2) The temperature of bearing should not be higher than 70 degree. Due to the first running of vibrator, The temperature may a little higher, after 8 hours running, the temperature should be smoothly, or you need to check the type of oil, and also its level and cleanness.
- (3) When the V-belt is need to be changed, please loose the foundation bolt of electric motor completely, and put the V-belt into the groove pulley. Sticks and some other objects are not allowed. The tension of V-belt must be suitable and the belt pulley has to be in the correct place. please re-adjust the tension after 48 hours running.
- (4) These bolts which used between vibrator and main body are high-strength bolts, please don't use normal ones, Inspect them every month at least one time.
- (5) When disassemble the vibrator, please take down from outer parts to inner parts one by one, take care of the components and avoid being damaged, and clean the components them one after another. If some components are damaged please change and repair them on time.

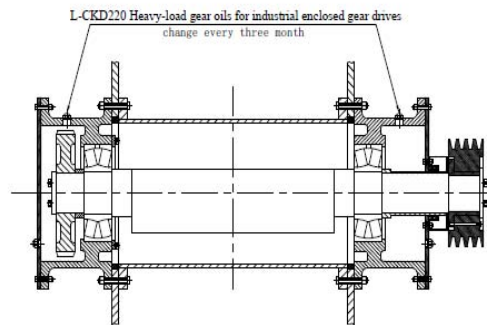


Diagram4 vibration exciter lubrication

Diagram4 vibration exciter lubrication

wearing parts:

no	name	quantity	Use time
1	bearing	4	6
2	spring	8	6
3	backplate	Based on single-machine	3
4	grizzly bar	Based on single-machine	3
5	Seal-ring frame	2	3

Note: 1. The using time of wearing parts showed in the table is based on theory, please change them according to your actual situation timely.

ALIMENTATEUR SCALPEUR HORIZONTALAUX ASC

2. Different specifications of the vibrating feeder, some wearing parts may look different, please reference actual appearance.

MAINTENANCE REQUIREMENT	AS NEEDED	MONTHLY	WEEKLY	DAILY
•Check the oil level. Change as recommended by the manufacturer.				YES
•Check that the grizzly bars are tight and free from plugged rocks				YES
•Verify that the V belts are tight.				YES
•Check the Springs are natural.			YES	
•Check the guarding for interference with sheaves or material build up.			YES	
•Check for wear on the replaceable pan and side liners.			YES	
•Check for wear on the grizzly bars.			YES	
•Check for discharge chutes for build up of material			YES	
•Check the sheaves and V belts for wears.		YES		

ALIMENTATEUR SCALPEUR HORIZONTALAUX ASC

FICHE D IDENTIFICATION

TYPE.....CODE.....IDENTIFICATION.....
CLIENT.....
LIEU D INSTALLATION.....
NATURE DES PRODUIT A TRAITER.....
GRANULOMETRIE.....ENTRER.....SORTIE.....
DEBIT MAXI.....REGLAGE MINI.....REGLAGE MAXI.....
OBSERVATION.....
DATE CONSTRUCTION.....
DATE MISE EN SERVICE.....
ETABLIE LE.....PARMR HOLLAND SEBASTIEN/SCPM/UK
PROVENANCE DE NOTRE MATERIEL . CE / ESPAGNE /FRANCE/UK .
SOUS NOS PLAN DE FABRICATION SCPM/UK

CONDITION DE GARANTIE .

TOUS NOS APAREIL SONT GARANTIE POUR UNE DURER DE 12 MOIS DANS DES CONDITION NORMALE D UTILISATION A RAISON DE 8 HEURES PAR JOURS
EXCLUANT LES PIECES D USURE

LES CONDITION DE REMPLACEMENT DES PIECES SONT .

PIECES A DISPOSITION CHEZ NOTRE TRANSITAIRE EXCLUANT LE TRANSPORT/DEDOUANEMENT POUR L EXPORT/ LE MONTAGE / LES PENALITER LIER A
LARRRET DE LA MACHINE .