ROLLER GRATE WITH INCREASING COVERAGE GROUND SURVEY WORK CORNER

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Ground with several types of building materials are used in production of the roller. Depending on the degree of crushing of materials, the output device in the hole: a) large b-crushing Secondary crushing v)finely crushing. Depending on the expenses to the advantage of: a) Stasionar b) xarakatlanuvchi. Grate depending on the number of the working rollers: a)with a roller b)a roller with two c)three rollers g) with four roller [1-8].

The main working part of the rollers with roller ground[9-15]. They become opposite to each other, the friction materials koeffisienti maydalaydi return. The material falls from the upper and bottom part of the access hole pulverized material will fall into the ground and sent out. The revolving rollers to qatiriladi vali, vali elektrodvigatel will come to this network using the actions. Vali is from one base maxkamlab bearings with spring. Such a system will cause you to move from one distance to vali and large structured materials expands and will come back to the previous state using in the spring[16-30].

The diameter of the rollers with roller consider the relativity of the material falling between structured and ground to the angle of coverage is determined [31-38]. To facilitate computations, the material is received in the form of the sharing of that you will receive.

Rollers moment to pull forces affecting the following:

- m- the mass of the pieces; because its effects can take into account for little of;
- R - maydalanuvchi pieces of material to influencing the pressure rollers;
- Rf-friction force (f- may Dalanuvchi koeffisienti friction material);

- The power of R and rf-friction affects two power point touch
- Maydalanuvchi to pull the pieces of material terms

$$2Pf\cos\alpha \geq 2P\sin\alpha$$

Left and right side of the formula 2rsos α here, if we can

$$f \geq \text{tg}\alpha$$

Koeffisienti friction f of the friction angle ɸ replaced by

$$\text{tg}\alpha \leq \text{tg}\phi,$$

Him, α ≤ ɸ

Thus, α- angle coverage ɸ should be smaller than the angle of friction, some of the rollers in the proverbial to touch the β angle is called the angle of coverage, therefore β2 is the angleαis equal to the angle β ≤ 2α

Among the pieces of material with the diameter of the rollers falling in toe-liq the interaction scheme from that picture you can determine using:

$$\left(\frac{D}{2}+\frac{d}{2}\right)\cos\alpha = \frac{D}{2}+\frac{a}{2},$$
$$(D+d)\cos\alpha = D+a,$$

Here D-diameter of rollers, d-the diameter of the pieces; a-is out of the hole [42-46].

Left and right side of the equation d we will be to:

$$\left(\frac{D}{d}+1\right)\cos\alpha = \frac{D}{d}+\frac{a}{d}.$$

Get this xisobga, roller crushing receive ground with the average level equal to 4, $\frac{a}{d}=0,25$ you can write.Enter the desired changes to the equation, here we can

$$\frac{D}{d}=\frac{\cos\alpha - 0,25}{1-\cos\alpha}.$$

The friction of the solid pieces koeffisienti f (oxaktosh, sand, granite and others) than the average of the surface of the steel rollers 0.3, moist soil for-0,45.

Shown f angle boundary value coverage for 16˚40 and24˚20 organizes.

Thus, $\frac{D}{d}$-ratio is equal to:

Hard sex in the ground

$$\frac{D}{d}=\frac{\cos 16°40^|-0,25}{1-\cos 16°40^|} \approx 17^0$$

According to the results of experiment can determine the main parameters that affect the crushing process, were analyzed. Grate the device of new structures prepared on the basis of experimental research was conducted. According to the results of experiment crushing hard tog'jinslarini hard in the night, crushed in the crushing process of cement production are

important for oxaktosh work productivity increased by 15% and the fact that you will determine.

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