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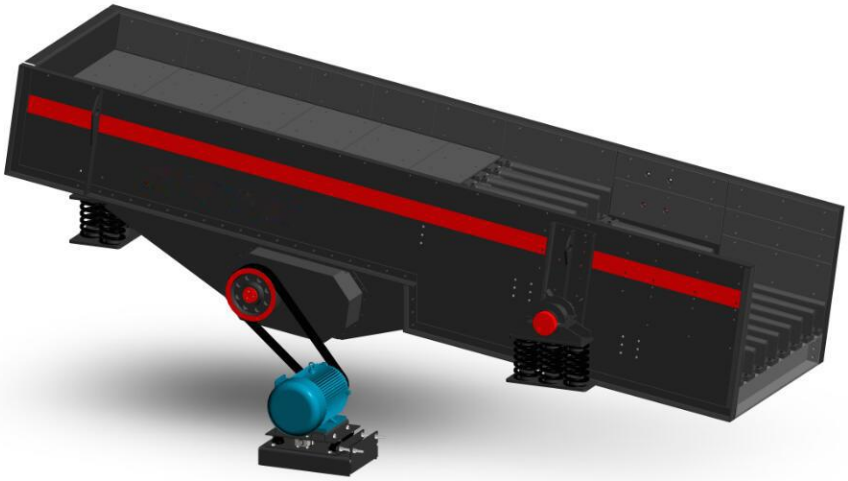
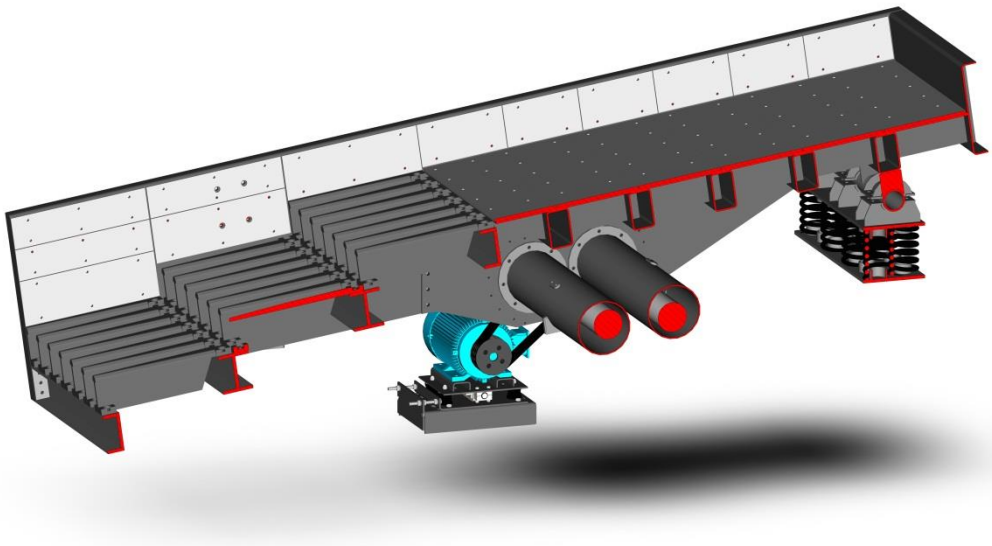


KEFID HEAVY DUTY GRIZZLY FEEDER F5X



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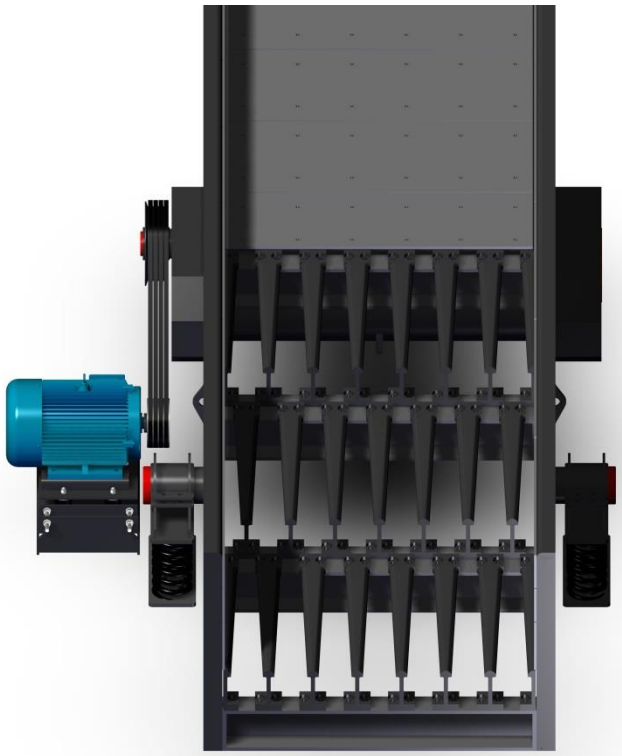


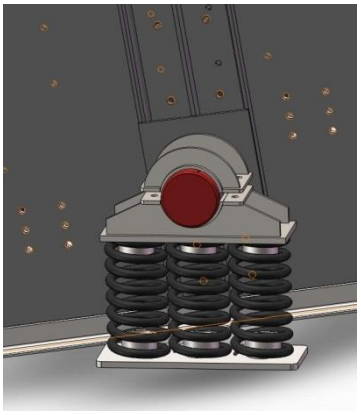
Main traits

1.1 bigger feeding capacity、higher screening efficiency

vibration intensity G-force is a vital criteria to measure a feeder's feeding and screen capacity，F5X vibrating feeder apply advanced design concept and manufacture draft，with higher vibration intensity，under the same configuration，possess bigger handling capacity and finer screen efficiency than the traditional model. Which equals 1.5 times better.

1.2 easy control and adjust，vastly applied

- F5X apply high efficiency energy-friendly Y3 series motor，equipped frequency conversion control can realize accurate adjust. Spring sear applies pin roll structure，quickly applies to different working site feeder body angle adjustment，realizing 0-15 degree adjustable，fulfill multiple application for multiple material.



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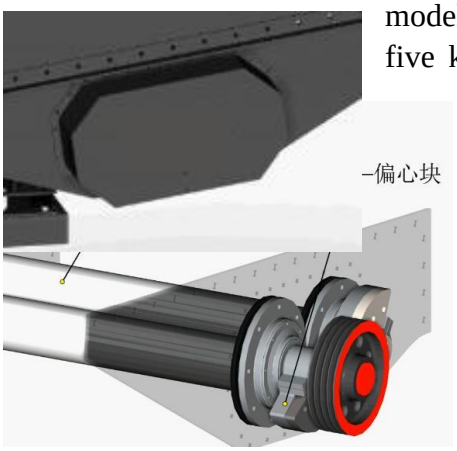
1.3 EV vibrator----efficient、steady、easy maintain

EV vibrator apply thin oil lubrication，to fulfill higher performance and application condition，all models of F5X vibrating screen are equipped with EV vibrator，EV1～EV5 five kinds of vibrator can fulfill different exciting force requirement by adjusting balancing weight block amount，spare parts are upstairs interchangeable、universal、standardized and modularized.

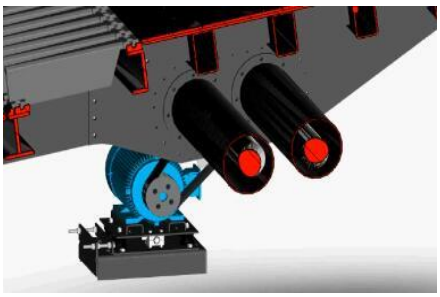


Excitation design - eccentric shaft plus eccentric block，easy to adjust amplitude

EV vibrator eccentric shaft plus eccentric block excitation design, eccentric shaft generate basic exciting force，eccentric block are equipped with certain thickness of balancing weight block，to increase or decrease balancing weight block amount to achieve different site request to adjust amplitude，to fulfill different exciting force request.

- **Separate lubrication**
- **Tougher vibrating intensity**

  The vibrating intensity design of EV has international advanced level，which makes bigger passing through capacity，higher efficiency，strong output；

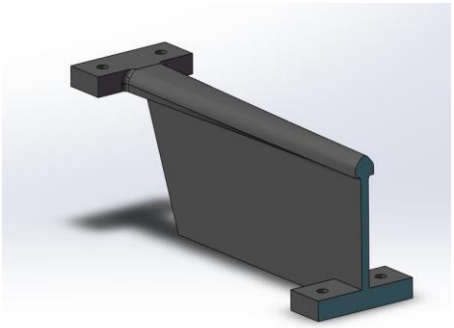


reached the feeder screen

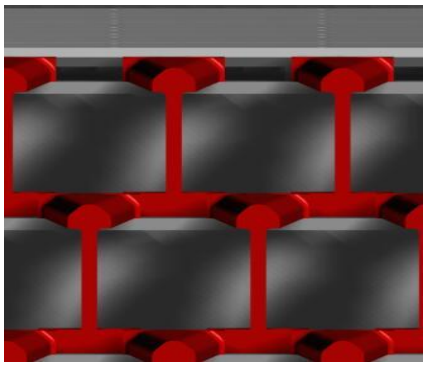
- **Longer bearing life**

  Vibrator generate exciting force pass through lining plate center，to create an ideal force condition. International brand or domestic top brand bearing，guarantee the quality.

1.4 Adjustable grizzly



more to the



The grizzly section adopts the ZGMn13-4 steel, reliable. It is also designed to be adjusted according client's requirements originally.

A 2 stage and 3 stage grizzly section can be chosen.

1.5 Stronger feed chute and can take more cabin pressure

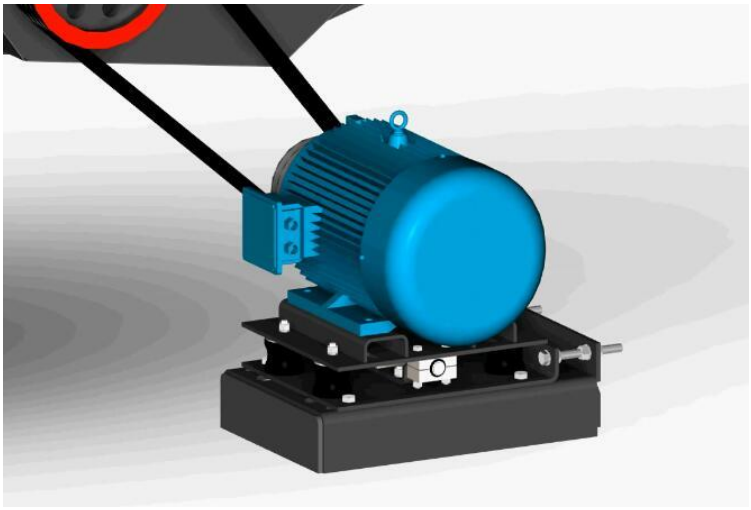
Rectangular steel is applied with high structural strength. The side plate is enhanced by the angle steel.

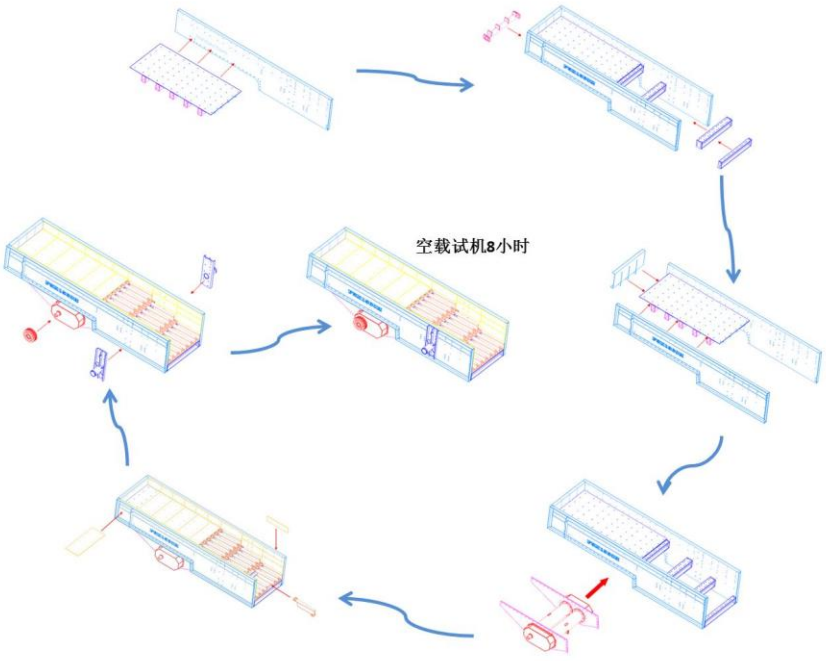
1.6 More spring seats, more strength taken

There are more spring seats under the feed chute, and can make sure to adjust the numbers according to the cabin pressure.

1.7 Specially designed motor seat

The rubber spring parallel tension structure is applied, and it can absorb the vibration and protect the motor.





8 hours trial operation in workshop

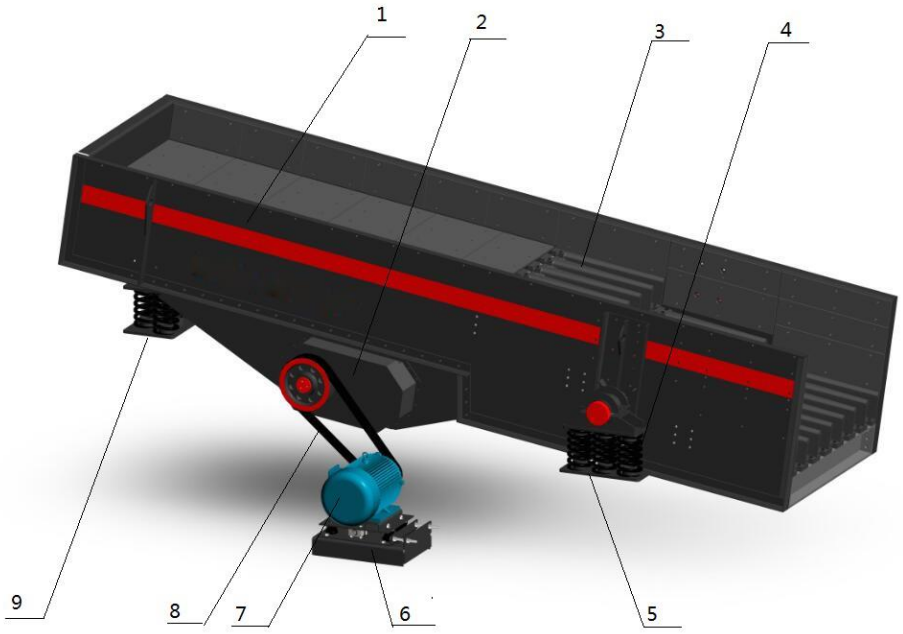
2. Main technical data

型 号	槽体规格 W×L （mm）	应用范围	倾角（°） 推荐（范围）	棒条长度 (mm)	最大入料粒度 (mm)	转速 (r/min)	最大处理量 (t/h)	功 率 (kW)	匹配破碎机型号
F5X1036H	1000×3600	固定破 移动破	8（0-15）	2×900	600	650-900	350	15	HJ98/HJ110/PEW760/PEW860/PE600x900/PE750x1060/PE900x1200 PFW1214Ⅱ/PFW1315Ⅱ/PFW1318Ⅱ
F5X1245H	1200×4500			2×900	700		600	22	HJ110/PE900x120/PFW1318Ⅱ/HJ125/PEW1100/PE1000x1200/PFW1415Ⅱ
F5X1260H	1200×6000			3×900	700		600	22	HJ125/PE1000x1200/PEW1100/PFW1415Ⅱ
F5X1560H	1500×6000	固定破		3×900	900		900	30	C6X140/PE1200x1500
F5X1860H	1800×6000			3×900	1100		1200	37	C6X160/PE1500x1800
F5X2160H	2100×6000			3×900	1300		1600	45	C6X200

F5X heavy duty feeder data

3. Main structure

3.1Main structure



1.FEED CHUTE 2.VIBRATOR 3.GRIZZLY 4.SPRING 5. FRONT SPRING SEAT 6.MOTOR SEAT 7.MOTOR 8.V-BELT 9.BACK SPRING SEAT

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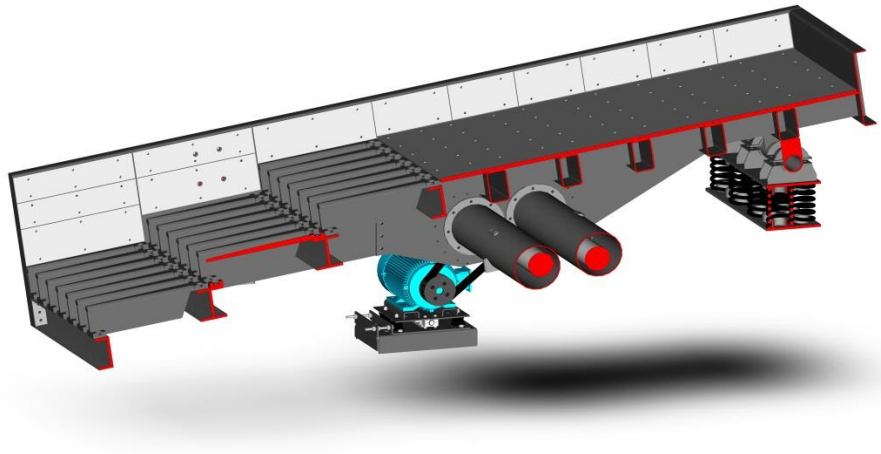
F5X Feeder assembly photo

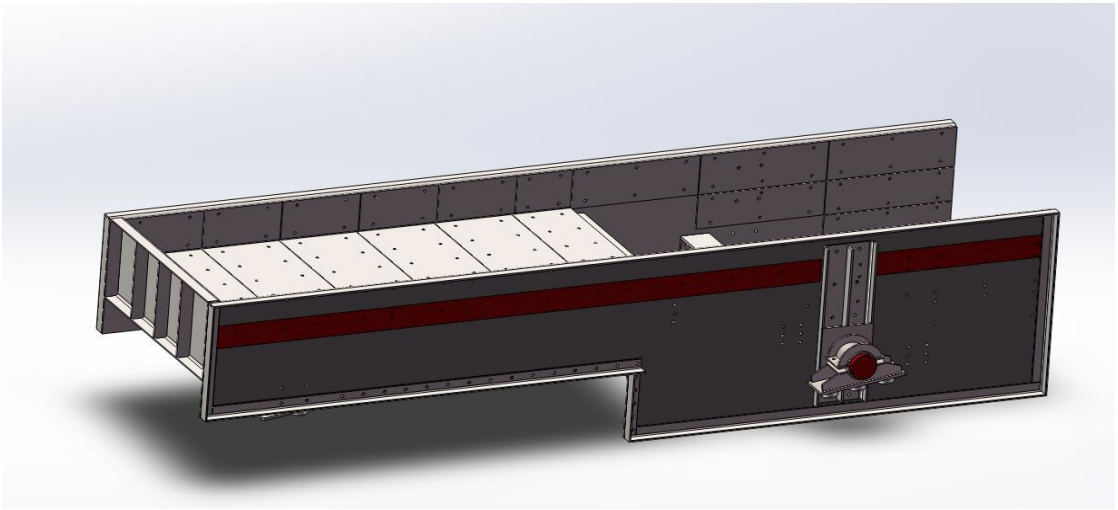


F5X cutaway view

3.2 MAIN PART

3.2.1 Feed chute

The side body plate adopts Q245R boiler steel, side and bottom lining plate NM360 wear-resistant material and the bottom body plate as well as others use Q235B.



Assembly Drawing of the Feeding chute

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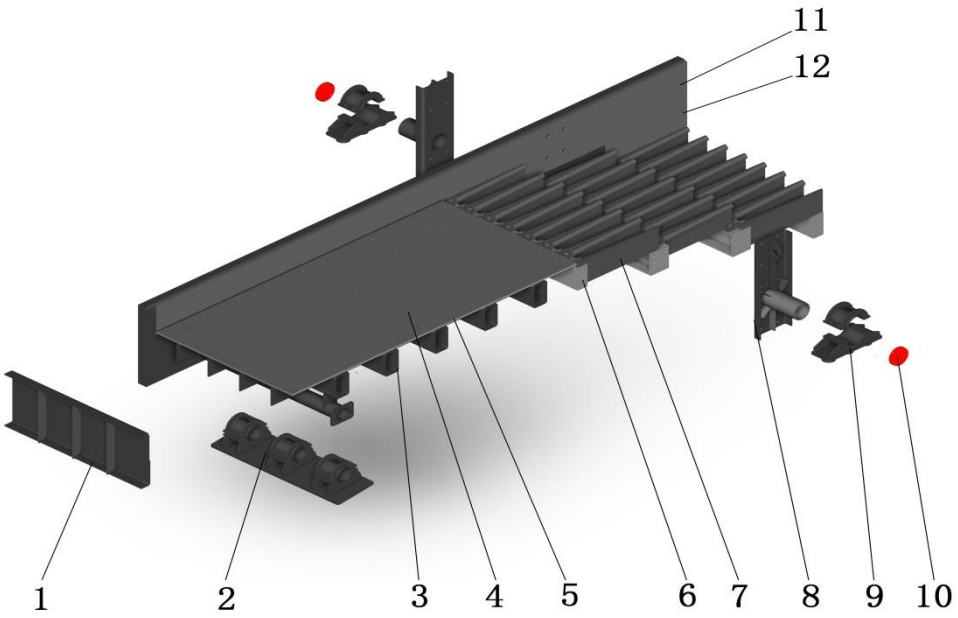
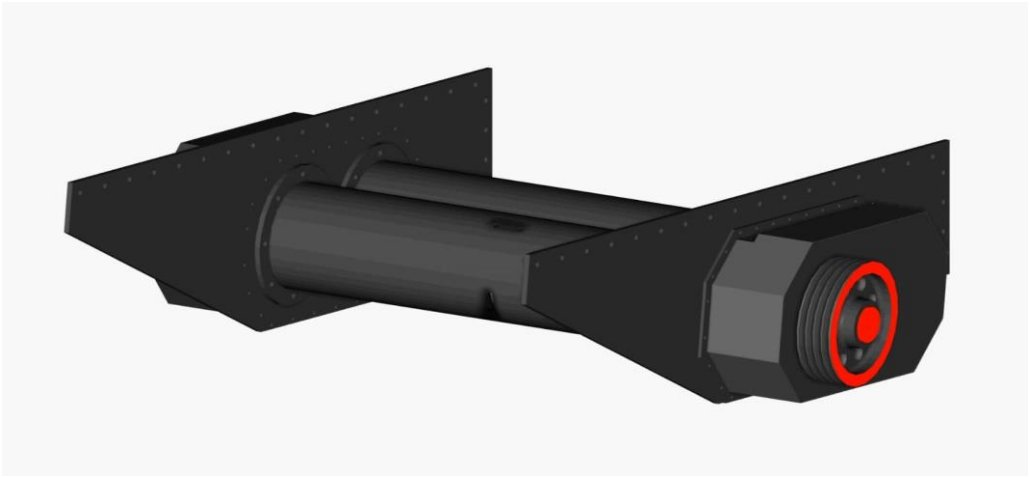


1. Back Plate 2. Upper Seat of the Back Spring 3. Rectangular Supporting Tube 4. Bottom Lining Plate 5. Bottom Body Plate 6. Beam 7. Grizzly 8. Supporting Seat 9. Upper Seat of the Front Spring 10. Location Cap 11. Side Lining Plate 12. Side Body Plate

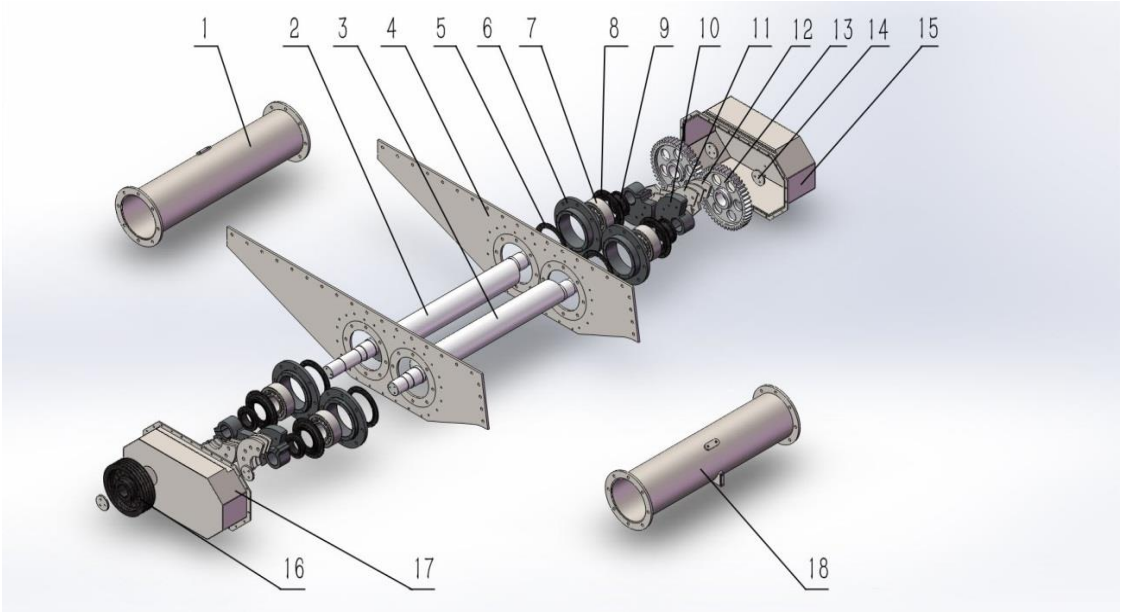
Structural Diagram of the Feeding chute

3.2.2 Vibrator

Vibrator, which generates vibrating source, is the key component of the feeder. It consists of the gear hood, bearing seat, bearing, gear, transmission shaft, synchronized main shaft, shaft protection tube, eccentric block, hood, pulley for the main shaft, connection plate etc. There is a gear pair installed on the two shafts of the vibrator, forcing their rotation to be synchronized.



Assembly Drawing of the Vibrator

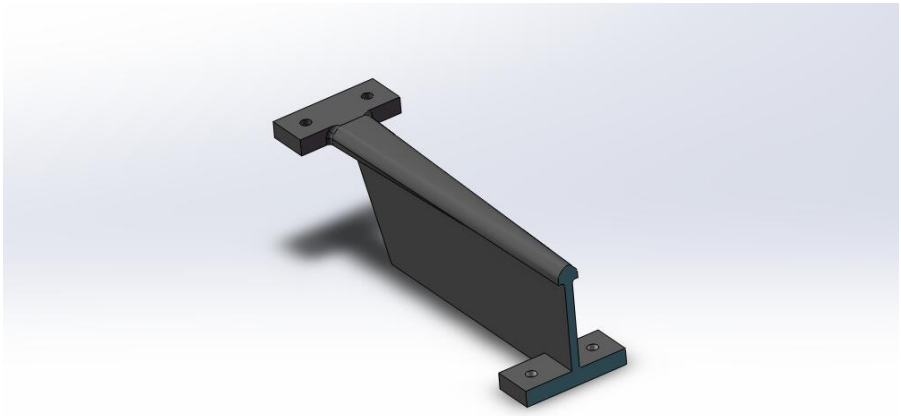


1. Transmission Shaft Protection Tube 2. Transmission Shaft 3. Synchronized Main Shaft 4. Connection Plate 5. Lid 6. Bearing Seat 7. Bearing 8. Inner Sealing Ring 9. External Sealing Ring 10. Eccentric Block 11. Thick Counterweight 12. Thin Counterweight 13. Synchronized Gear 14. Gland 15. Hood 16. Side Hood of Gear 17. Side Hood of Motor 18. Synchronized Main Shaft Protection Tube

Structural Diagram of the Vibrator

3.2.4 Grizzly

The F5X feeder adopts optional double-stage or triple-stage grizzly structure. The grizzly is made of ZGMn13-4. It features a cam arc surface that segregates the small-size material from the large quickly and reduces the friction between the material and the grizzly to strengthen the feeding and screening capacity. The nonparallel comb-shaped grizzly efficiently keeps the feeder from material blocking.



The grizzly

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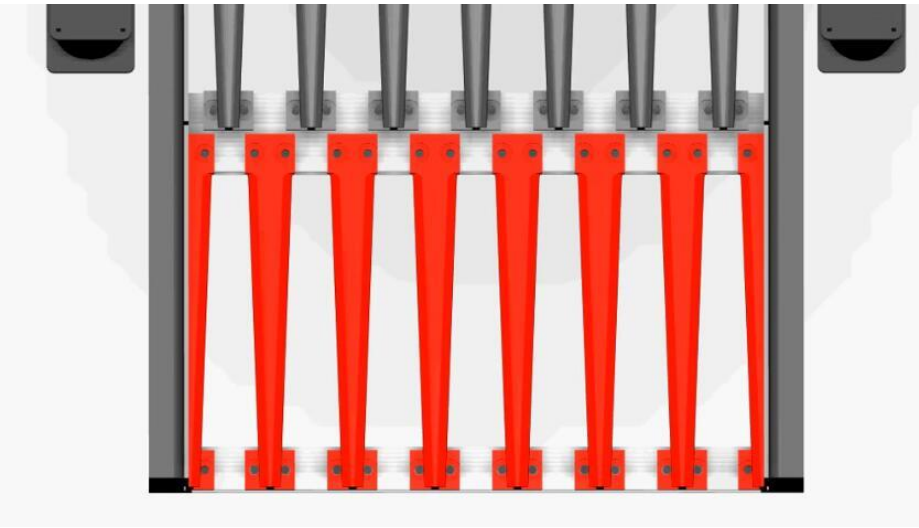
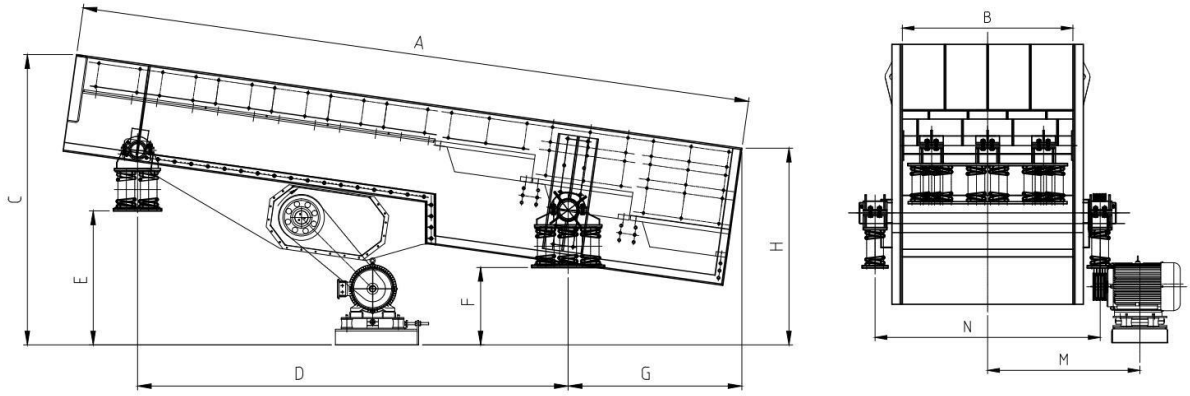


The Arrangement Diagram of the Grizzly

4 Sectional Elevation



尺寸 / 机型	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	M (mm)	N (mm)
F5X1036H	3600	1000	2250	2150	960	505	961	1246	1150	1510
F5X1245H	4500	1200	2450	2885	1155	550	1027	1274	1250	1710
F5X1260H	6000	1200	2570	3846	1175	670	1552	1735	1250	1710
F5X1560H	6000	1500	2590	3846	1195	690	1552	1755	1443	2010
F5X1860H	6000	1800	2615	3846	1215	715	1552	1780	1630	2310
F5X2160H	6000	2100	2615	3846	1215	715	1552	1780	1800	2610