

## ▶ BLL GRP Spiral Chute

### Principle

The ore sands are conveyed by the sand pump onto the two feeding inlets on the screw top, then make-up water is added to adjust the pulp density, and the slurry rotationally flows down from the upper point. The inertial centrifugal force is generated from the speed of rotating slope flow. As the differences of ore sand proportion, particle size and shape, and under the action of rotational flow gravity and centrifugal force, the ore is separated from sand, the concentrates flow into concentrate bucket and then be discharged by pipe, while the tailings flow into tailing bucket and flow into sand pond by pipe, then be discharged by sand pump.



### Features

High efficiency, high recovery and accurate ore separation. No power. Light weight, rust, wear and corrosion resistance. Low operation cost and long lifespan. Strong adaptability to the variation of feeding quantity, density, particle size and grade. The friction of emery surface makes the mineral processing effect better than that of the other plastic surface.

### Application

The fiberglass spiral chute is a kind of new efficient gravity-processing equipment with domestic advanced level. It is applied to process fine grained iron, tin, tungsten, tantalum, niobium, gold, coal, monazite, rutile and zircon whose particle sizes are between 0.3-0.02mm, and also applied to other metal minerals, non-metallic minerals with enough proportion differences.

### Technical Parameters

Model	BLL-2000	BLL-1500	BLL-1200	BLL-900	BLL-600	BLL-400	
Outside Diameter (mm)	2000	1500	1200	900	600	400	
Screw Pitch (mm)	1200	900, 675	900, 720, 540	675, 540, 405	450, 360, 270	240, 180	
Pitch Diameter Ratio	0.6	0.48, 0.36	0.75, 0.6, 0.45	0.75, 0.6, 0.45	0.75, 0.6, 0.45	0.6, 0.45	
Lateral Dip Angle (degree)	9°	9°	9°	9°	9°	9°	
Max. Screw Numbers Per Set	3	4	4	4	2	2	
Feed Size (mm)	2.00~0.04	0.8~0.037	0.3~0.03	0.3~0.03	0.2~0.02	0.2~0.02	
Feed Density (%)	30~55	30~55	25~55	25~55	25~55	25~55	
Capacity (t/h)	7~10	6~8	4~6	2~3	0.8~1.2	0.15~0.2	
Overall Dimension	Length (mm)	2120	1600	1360	1060	700	460
	Width (mm)	2120	1600	1360	1060	700	460
	Height (mm)	5600	5300	5230	4000	2600	1500
Weight (kg)	900	850/800	700/650/600	450/400/350	120/100/80	50	