



ZBG(NBS) 型周边传动刮泥机

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TYPE-ZBG(NBS) SEDIMENT SCRAPER BY PERIPHERAL TRANSMISSION

用途 Applications

主要用于辐流式初沉、二沉池的排泥，也可用于浓缩池的排泥，是一种新型的刮泥机。

The scraper is mainly used for the discharge of sediment in the course of initial radiant settlement, and the discharge in the second settling tank, also for the discharge in the tank with concentrated waste water. It is a new type product.

工作原理及构造 Working Principle and Strucure

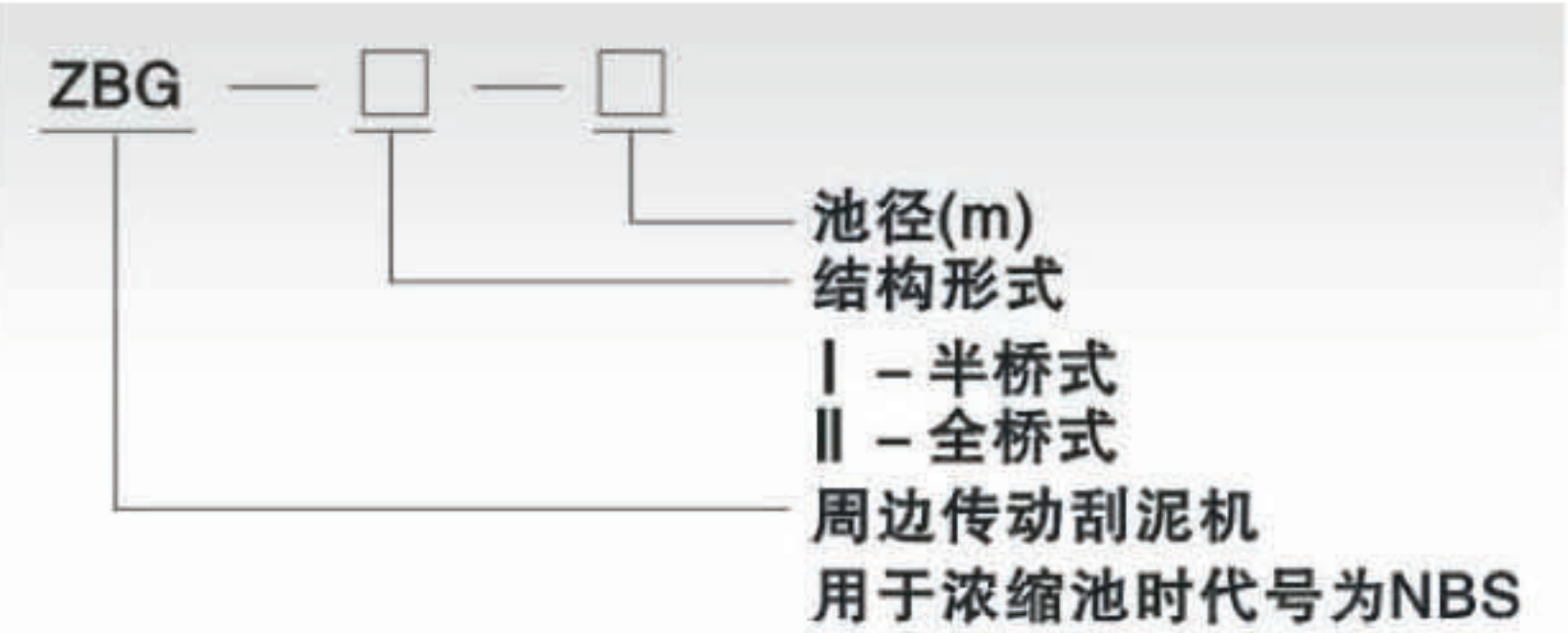
驱动装置推动工作桥沿池平面旋转，工作桥带动刮臂旋转，固定于刮臂上的刮板将泥由池边逐渐刮至池中心的集泥斗中。刮泥板曲线为对数螺旋线形，受力均匀，刮泥彻底，当池底遇有障碍物时，能自动让耙，保护机器不受伤害。驱动装置可设扭矩保护装置，工作更加安全。

Transmitted by the driving device, the working bridge rotates along the tank surface, the scraping arm rotates with it, then the scraping boards which are fixed on the arm collect the sediment from the tank edge to the center and gather it at the sediment hopper, which is set in the center of the tank. The curve of the scraping boards is of logarithmic helix. Being exerted on even force, the scraping boards can do the sediment completely, and when colliding with obstacles on the tank bottom, it can automatically let the harrow pass without colluding, and thus protect the main scraper. With protection device for the torsion; the driving device can be more safely operated.

特点 Features

1. 主梁除传统碳钢制作外，还可采用铝合金或不锈钢制作，适用范围广，装饰效果好。
2. 采用新型铰支结构，使刮泥机的承载状况更好，减少了运行功率，降低运行成本。
3. 安全性好，遇有较大障碍物时，刮板会自动让耙，配力矩保护装置，安全性能更高。
4. 驱动装置进行了优化设计，效率高，外形美观，也可按照用户要求配进口减速机或轴装式减速机，更美观耐用。
5. 刮泥板采用对数螺旋线型，刮泥效果好。

型号示例 Type and Its Indication



1. The main beam can be made of not only traditional carbon steel, but also aluminum alloy or stainless steel; these beams have a wider range of use, and embody a better decorating effect.
2. The adoption of new types of hinge joint makes the scraper load more; the operating power lower and the operating cost reduce.
3. Good safety, the scraping boards can automatically let the harrow pass when colluding with large obstacles, if the protection device for torsion is equipped, with it its safety will be better.
4. With optimal design, the transmission device has a higher efficiency, a more aesthetic appearance, and can adopt an imported decelerator or a shaft installing one according to the requirements of customers, thus becomes much more attractive and durable.
5. With a working curve of logarithmic helix, the scraping boards can do the sediment more effectively.

技术性能参数及外形尺寸表 Technical Parameters Shape and Size

型号	参数	池径 Φ(m)	周边线速 (m/min)	单边功率 (kW)	周边单个轮压 P(kN)	滚轮轮距 Φ1(m)	池边深 H(mm)	坡度 I		
ZBG-14		Φ14	2~3	0.55/0.37	18	14.4	3000 ~ 5000	1:12		
ZBG-16		Φ16			18	16.4				
ZBG-18		Φ18			20	18.4				
ZBG-20		Φ20		0.75/0.37	25	20.4			1:16	
ZBG-24		Φ24			35	24.4				
ZBG-25		Φ25			40	25.4				
ZBG-28		Φ28			50	28.4				
ZBG-30		Φ30		1.1/0.75	60	30.4				1:20
ZBG-35		Φ35			75	35.4				
ZBG-40		Φ40			80	40.4				
ZBG-42		Φ42	1.5/0.75	82	42.4	1:20				
ZBG-45		Φ45		86	45.4					
ZBG-55		Φ55		95	55.4					

注：1. 中心支墩承压：半桥式为2P,全桥式为4P。

2. 功率栏中，大数值为普通减速机拖动的ZBG型与NBS型,功率小数值为轴装减速机拖动的ZBG型功率。