

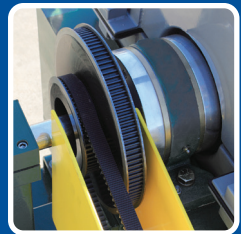
## Key Features



Four (4) Stainless Epicentric Liquid-End Discharge Ports



Four (4), "wide-mouth" tungsten carbide discharge ports and plows.



Dual Sheave Poly-Chain Drive System



Premium Gearbox with 52:1 or 125:1 Ratio

## Power and Performance

Elgin's ESS-1450HD2-SL is fitted with a NEMA premium, continuous duty, poly-chain driven, 50 hp main drive. The 50 hp main drive can operate the centrifuge up to a maximum rotational speed of 3,250 rpm, thus, generating more than 2,100 G's of force. By using an adjustable motor mount, motor and belt maintenance is made easy by the adjustment of two jack screws. No additional motor mounts, brackets, or tensioning devices are required.




## Effluent Management

Elgin's ESS-1450HD2 centrifuge uses four, stainless-steel, epicentric, liquid-end discharge ports. Each port can be rotated to the desired pond depth setting, therefore allowing the operator to make efficient changes in pond depth by simply loosening the set screws.

The ESS-1450HD2-SL utilizes four, "wide-mouth" tungsten carbide discharge ports and plows. These features allow the ESS-1450HD2-SL to handle large volumes of erosive solids without damaging the centrifuge. The ESS-1450HD2-SL centrate discharge hopper is ported to allow bottom, front or rear fluid discharge. Each of the three fluid discharges are fitted with 6" (15.24 mm) Victaulic™ connections.

## Rotating Assembly

Elgin's ESS-1450HD2 stainless steel rotating assembly is 14" (356 mm) in diameter and 49.5" (1,257 mm) in length. By using a length over diameter ratio of 3.5, Elgin achieves an extremely stable centrifuge, even at maximum rotational speed. The rotating assembly is given further stability by the use of two SKF™ premium bearings. Both bearings are installed in precision-machined pillow blocks. Equipped with externally accessible grease ports, daily greasing can be performed without the removal of machine guards. The internal flights are lined with tungsten carbide tiles along the entire length of both the clarification and the tapered section, extending the ESS-1450HD2's ability to manage erosive solids.

Model Number	ESS-1450HD2-SL
Equipment Image:	
Maximum G Force:	2,100
Maximum Speed:	3,250 rpm
Maximum Hydraulic Capacity:	200 gpm (12.6 lps)
Bowl Construction:	Stainless Steel
Bowl Diameter:	14" (356 mm)
Bowl Length:	49.5" (1,257 mm)
Weight:	4,000 lbs (1,814 kgs)
Dimensions:	110" (2,794 mm) L x 33" (838 mm) W x 51" (1,295 mm) H
Gearbox Ratio:	52:1 or 125:1

