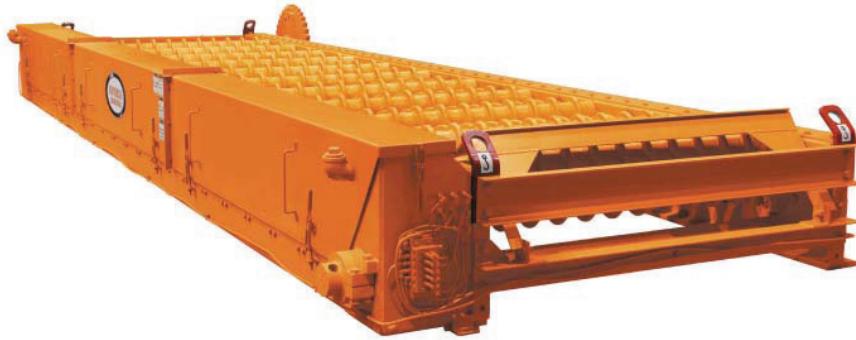


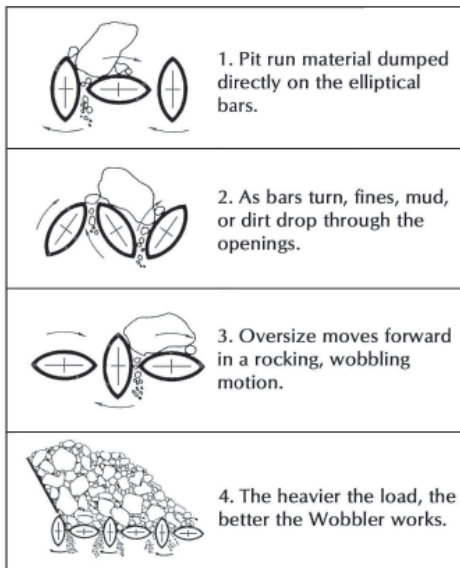
UNIVERSAL WOBBLER FEEDERS



Universal Wobblers Feeders provide two functions, feeding oversized material at a controlled rate and also scalping out the fines from the fed material. This is accomplished by football shaped elliptical bars that are timed with a continuous triple strand roller chain drive and timed bar sprockets. Each elliptical bar is timed 90 degrees apart, one bar tip up and the next bar rotated with the tip in a horizontal position. All bars rotate at the same rate of speed and this motion moves the loaded material along the bars until it is discharged off the Wobbler. Each bar is maintained with a constant gap between themselves which allows the fines to pass through the bar gaps providing the undersized scalped material. Wobblers are self-cleaning, and can handle wet sticky material and are very good with clay. Shot material can be dumped directly onto the wobbler bed of material or fed with an Apron Feeder. With higher capacities and larger material lump sizes we would recommend using the Apron Feeder and Wobbler Feeder combination to reduce the impacting and to increase the scalping area. Wobbler Feeders can actually increase your systems output by scalping out material fines and letting your crusher handle only the material that needs to be crushed.

Universal has four models, each with different standard widths and number of bar combinations. Each Wobbler is custom designed to meet a wide range of tonnage and application requirements. Designed to scalp material from 1/2" to 7-1/2" lump size and tonnages go up to 2,500 TPH.

Contact Universal Engineering for a custom designed Wobbler Feeder to fit your needs.



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Optional Equipment Available:

- Drive Unit with Electric Motors
 - Motion Detector Switches
 - Guards
 - Loading Hoppers and Skirting
 - Shear Pin Chain Drives
 - Automatic Lubrication Systems
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UNIVERSAL ENGINEERING WOBBLER FEEDERS

PITCH	WIDTH OF BARS	OPENING BETWEEN BARS VS. WIDTH AND MAX. NUMBER OF BARS														MAX. FEED SIZE	HP REQUIRED	APPROX. CAPACITY (TPH)		
		1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"	6 1/2"				7"	7 1/2"
*	36"	22	22	22	22	22	20											18"	20	500
	48"	22	22	22	22	20	18											24"	20	
	54"	22	22	22	22	20	18											27"	20	
	60"	22	22	22	20	18												30"	20	
	72"	22	20	18														30"	20	
*	36"				22	22	22	22	22	22	20							18"	30	800
	48"				22	22	22	22	20	18								24"	30	
	54"				22	22	22	20	18									27"	30	
	60"				22	22	22	20	18									30"	30	
	72"				22	22	20	18										36"	30	
**	48"						19	19	18	18	17	17						24"	50	1200
	60"						19	19	18	18	17	17						30"	50	
	72"						19	19	18	18	17	16						36"	50	
	84"						19	18	17	17								42"	50	
	48"								18	18	18	18	17	17				24"	60	
**	60"								18	18	18	18	17	17				30"	60	1400
	72"								18	18	18	17	16	16				36"	60	
	84"								18	18	17	16	16	16				42"	60	

Notes:

HP ratings can be increased depending on capacities and material conditions. Consult Universal Engineering Corp

Capacity is dependent on Feed Gradation and desired separation.

* Opening can be varied by changing bars.

** Opening can be varied by the addition or removal of shims between bearing blocks.