

# Simpson Mix-Muller®

In small- to medium-sized sand systems or difficult mixing applications, versatility is critical. The Mix-Muller has been carefully designed and proportioned to achieve maximum performance, versatility and energy efficiency in these types of applications.

## Description

Medium-speed, high-intensity, muller-type mixer for batch operation.

## Application

Small- to medium-sized sand preparation systems, and the most difficult mixing applications.

## Features

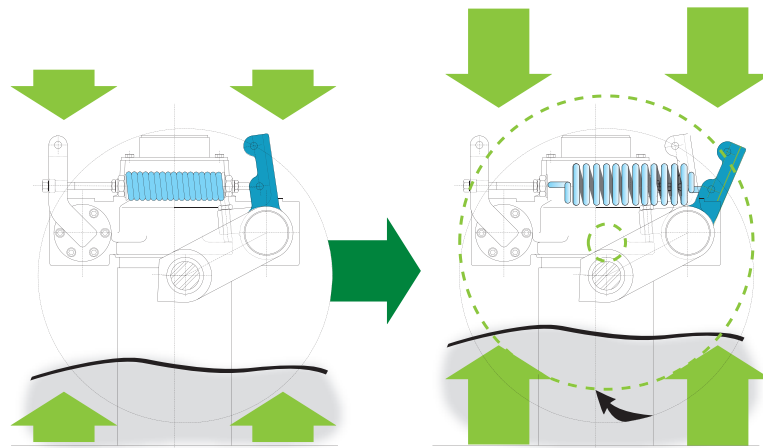
- Adaptive tooling
- Energy efficiency
- Large batch and longer available cycle
- Rugged design

## Upgrades

- Abrasion Resistant Polyurethane Liners
- Abrasion Resistant Polyurethane Wheels with Wear Indicators

## Versatility

**Adaptive Tooling.** Muller wheels are mounted on independent, springloaded suspensions. As the molding sand mixture increases in volume and strength, the mullers react by raising and increasing the mulling pressure. This is a versatile and inexpensive source of mixing energy which provides the kneading and compression action of mulling.



## Simpson Mix-Muller Technical Data - G Series

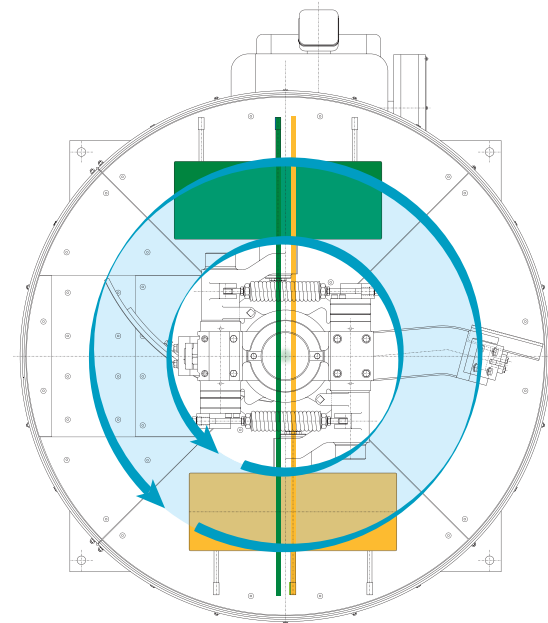
Model		LF	05	1F	1 1/2G	2G	2 1/2G	3G	6G
Batch Capacity	tph	44	300	525	1,200	2,500	3,600	5,000	8,400
OUTPUT	at 120s cycle			7	18	37	54	75	126
	at 180s cycle			5	12	25	36	50	84
Crib Diameter	in	24	40	50	65	80	90	100	120
Crib Height	in	9	12	18	30	40	40	44	42
Height	in	40	55	90	120	140	170	180	205
Width	in	30	40	60	70	85	95	105	150
Length	in	40	50	60	85	105	115	125	160
Drive Motor	HP	1	3	10	20	50	75	125	200
Exhaust	ft <sup>3</sup> /min			660	1,080	2,000	2,700	4,000	6,000
Shipping Weight	lbs	750	1,400	3,150	8,100	13,000	21,300	26,550	42,000

All figures are approximate and are subject to change depending upon your application.

# Batch Mulling

Designed to utilize larger batch sizes and longer cycle times to provide better consistency and control. Larger batch sizes provide for better averaging of multiple molds and other variations in return sand. Longer cycle times provide for better control. Adaptive tooling provides for flexibility to adjust to variations in batch composition and property development.

**1** Wide-faced mullers provide compression and shear. The muller wheels are set slightly off their true radius so that as they revolve, they skid to provide a shearing action. The inside edges of the wheels travel a shorter path than the outside of the wheels which causes a spatulating action across the face of the wheels.



**2** Interchangeable, modular plows armored with tungsten carbide provide intensive blending and minimize maintenance costs.

