

KELLY DUPLEX

Model 4808SSR Ribbon Mixer

Double outer ribbon, Single inner ribbon
50-100 CF Batch Capacity; T304SS MCP
30 HP drive at 35 RPM, 69191-H15388; May 1999

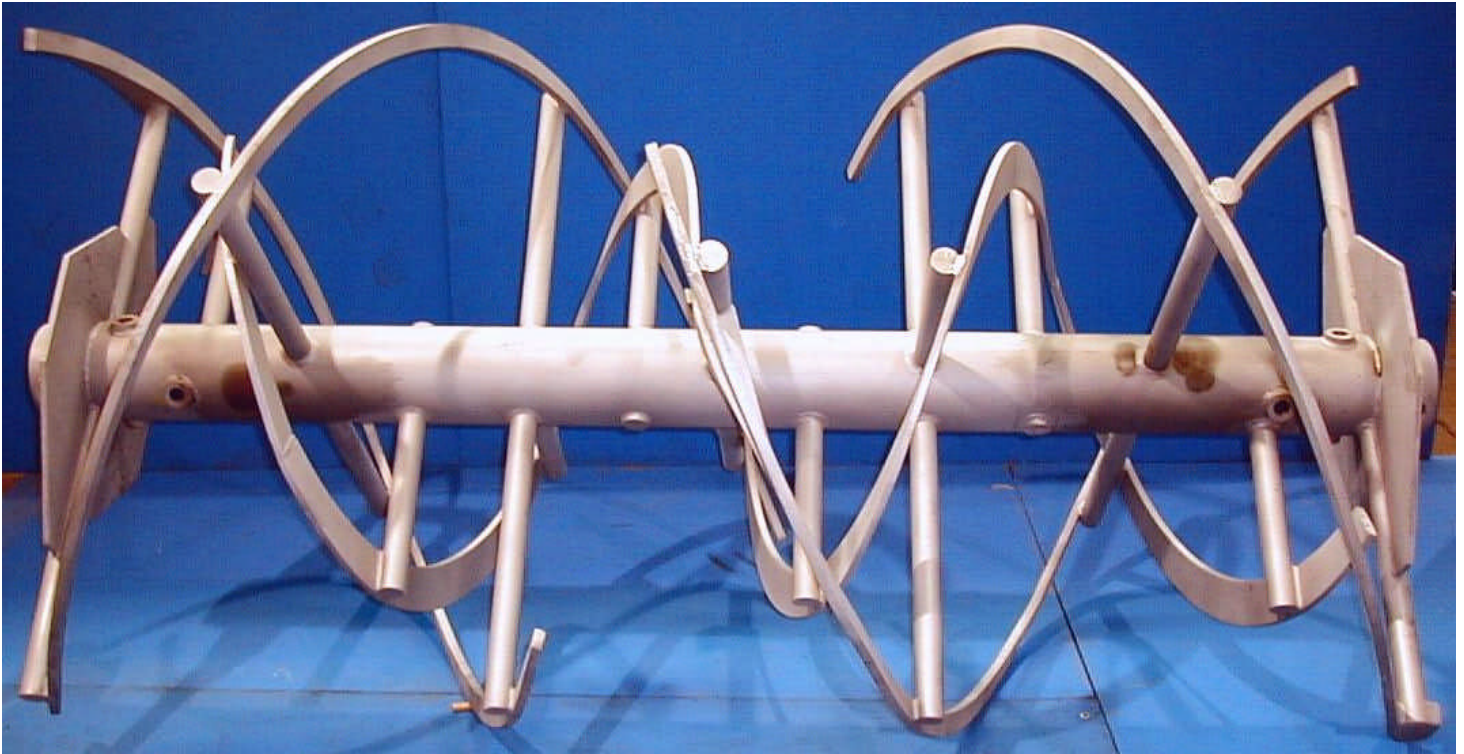
These views of a **Kelly Duplex Model 4808 Ribbon Mixer** illustrate the heavy-duty T304 stainless steel construction designed for rapid mixing of batched compounds while providing for quick and convenient cleaning of the mixing vessel between batches. All interior welding is continuous and ground smooth, and all surfaces are finished and blasted. The top cover features hinged ingredient additive panels within larger hinged panels which open to provide full access to the inside of the vessel for cleaning. The larger top cover panels are counterweighted to provide effortless opening, closing and positioning as required by process operations. Nominal batching capacity of the Model 4808 Ribbon Mixer is 60 to 90 cubic feet of various compounds. A 30 HP drive operating at 35 RPM provides 54,000 inch pounds of torque to the ribbon assembly, delivered through a T2205 high strength alloy stainless steel drive shaft. Power is transferred from the motor to the drive shaft through a transfluid hydrokinetic transmission which provides for a machine "soft start" and cushions sudden machine overloads.



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This view of a **Kelly Duplex Model 4808SSR mixing ribbon** illustrates the heavy-duty stainless steel triple ribbon construction designed for rapid mixing of batched compounds. The assembly is 8 feet long and 4 feet in diameter with a center discharge pattern. It is constructed from 6-5/8" heavy wall tubing, 1-3/4" diameter arms and a 4" diameter T2205 high strength alloy stainless steel drive shaft. The double helix outer ribbon is fabricated from 5/8" thick T304 stainless steel plate. The single inner ribbon is of 1/2" stainless construction. The high strength stainless arms are installed to pass through the core tubing for added strength and life, and are massively reinforced at the ends. All welding is continuous and ground smooth, and all surfaces are finished and blasted. Nominal batching capacity of the Model 4808 Ribbon Mixer is 60 to 90 cubic feet of various compounds.

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These views illustrate the 30 HP shaft mounted gear reducer mixer drive with a transfluid hydrokinetic coupling providing a "soft start" and overload cushion to the mixing assembly

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The **hinged and counterweighted mixer top cover** features hinged ingredient additive panels within larger full open panels. The combination design provides for convenient process operation and quick access for cleaning. The internal top cover protective grates are also removable for cleaning. Both the hinged panels and the removable grates are interlocked with protective interlocking limit switches



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Full open, counterweighted top cover provides convenient access for cleaning the mixing vessel between batches. Top cover panels and grates are interlocked with protective interlocking limit switches so that the mixer drive cannot operate unless the panels are closed and latched and the grates are secured in their proper place.



The mixer discharge valve is a packed and sealed knife gate with an extension spout that features a protective grate removable for cleaning and interlocked for operator protection.

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