

TWIN-SHAFT CONTINUOUS MDXER

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For over 70 years, Young Industries has been providing Twin-Shaft Mixers for continuous blending of a wide variety of powders, liquids and pastes. These mixers are being used in the Petrochemical, Chemical, Ceramics, Food, and Waste Treatment Industries.

Young Industries has an extensive background in testing and application assistance. The Twin-Shaft Mixer provides a highly efficient method to mix powders of multiple ingredients on a continuous basis. The mixer offers standard features which allow for changing the retention time of product in the mixer. Based on our experience and testing we can determine the proper set-up to comply with the requirements of the application.



FABRICATED TO YOUR REQUIREMENTS

Constructed from 300 series stainless steel, carbon steel, or special alloy materials, the Twin-Shaft Mixer will be designed to your specific use. Each unit is custom designed based on the parameters of the application. The Mixer can be equipped with a spray manifold for dispersing of liquids, a weir plate to maintain the proper retained volume, and as many inlets as required for powder addition. Twin-Shaft agitator sizes are available from 4 inches to 36 inches in diameter with variable lengths and retained volumes. (See specification chart.) The body of the Twin-Shaft Mixer is fabricated into a double U-shaped construction. This configuration allows the paddles to thoroughly mix products, eliminating dead-spots in areas where products can become lodged.



TWIN-SHAFT CONTINUOUS MIXER

SANITARY CONSTRUCTION

Young Industries has been supplying mixers for the food processing, baking, and pharmaceutical industries since our founding in 1947. These mixers are generally 300 series stainless steel construction where product contacts, and in many cases having exterior components of stainless steel. We design these mixers based on the level of cleanability required by the application. Some of our design features may include interior with a uniform finish having welds free from cracks. crevices and pin holes, ground to a smooth finish (up to 180 grit). The same precision, sanitary construction can be used on agitators. Covers are dust tight with access provisions as needed. Provisions for clean in place with liquid spray nozzles can also be provided.

Young Industries sanitary seal provides space around the agitator shafts for ease of cleaning. Hand knobs are used so that the entire seal assembly can be taken apart for cleaning without tools.

PRODUCT MIXING TIME FROM 30 SECONDS TO 10 MINUTES

Product mixing is thoroughly achieved by the efficient design of the agitator system. Once the products enter, they are mixed and conveyed by the counter rotation of the two agitator shafts. The Twin Shaft Mixer has a single drive that powers the driven agitator. AGMA spur gears on the tail end of the mixer assures both shafts operate at the same speed for smooth operation.



Removable Weir Plate



Weir Plate in position while mixing powders

The agitator shafts span the full length of the unit and are fitted with rows of adjustable paddles. These paddles are designed and constructed to convey the product down through the trough, cutting and kneading it all the way to the discharge outlet.

By adjusting the pitch of these paddles, the mixing rate can be either increased or decreased as material travels through the mixer. This type of adjustment regulates the thoroughness of blending and the capacity of the mixer. Adjustable paddles are standard, but welded paddles are also available.

MEETING CUSTOMER REQUIRMENTS

Each application of a Twin Shaft Mixer must meet specific production requirements. Each unit is supplied to the exact specifications to meet the rates, and mixing efficiencies required. We take into consideration factors such as, the type of products to be mixed, bulk density, and the required mixing time. Then we determine the proper size unit for that application.



16 PAINTER STREET, MUNCY, PA 17756 (800) 546-3165 | WWW.YOUNGINDS.COM

TWIN-SHAFT CONTINUOUS MIXER

PRESSURE AND VACUUM MIXERS



Special high pressure or vacuum applications are no problem for Young Industries. We are authorized to apply ASME "U", "UM", stamps to Twin-Shaft Mixers and associated equipment as the need arises. If exterior jackets are needed for heating or cooling, ASME exterior jackets are available.



Packing gland seals with air purge connections and outboard bearings



MIXER TESTING

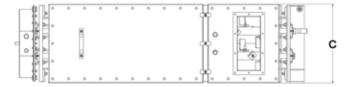
Young Industries offers equipment testing at our test facility in Muncy, PA. Testing the Twin Shaft Mixer requires metering of multiple products at controlled rates. We have metering equipment in our test facility to achieve precise additions as needed by the application. For those applications where product testing must be conducted on site, Young Industries can supply a Twin Shaft Mixer for testing and supervision as needed.

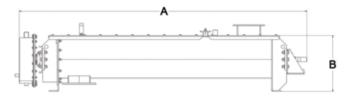
AGMA Spur Gears at discharge end of mixer

Shaft Seals Shaft Seals Figure Connection Guad Housing Grand Housing Grand Housing Grand Reduced Grand Reduced Grand Reduced Grand Housing Grand Reduced Grand W/ 4 - Rings of Packing



TWIN-SHAFT CONTINUOUS MIXER





| Mixer | Retained | | Dimensions | | | |
|-------------|----------|--------|------------|-------|--|--|
| Designation | Volume | A | B | С | | |
| 4 x 36 | 0.32 | 60.25 | | | | |
| 4 x 48 | 0.44 | 72.25 | 7.00 | 9.75 | | |
| 4 x 60 | 0.56 | 84.25 | 1 1.00 | 9.75 | | |
| 4 x72 | 0.69 | 96.25 | 1 | | | |
| 6 x36 | 0.74 | 56.00 | | | | |
| 6 x 48 | 1.05 | 68.00 | 1 | | | |
| 6 x 60 | 1.35 | 80.00 | 9.50 | 13.38 | | |
| 6 x72 | 1.65 | 92.00 | 1 | | | |
| 6 x 84 | 1.96 | 104.00 | 1 | | | |
| 9 x 36 | 1.73 | 59.50 | | | | |
| 9 x 48 | 2.47 | 71.50 | 1 | | | |
| 9 x 60 | 3.21 | 83.50 | 13.50 | 20.38 | | |
| 9 x 72 | 3.95 | 95.50 | 13.50 | 20.38 | | |
| 9 x 84 | 4.68 | 107.50 | 1 | | | |
| 9 x 96 | 5.42 | 119.50 | 1 | | | |
| 12 x 48 | 4.19 | 75.50 | | | | |
| 12 x 60 | 5.52 | 87.50 | 1 | | | |
| 12 x 72 | 6.84 | 99.50 | 19.00 | 26.38 | | |
| 12 x 84 | 8.16 | 111.50 | 19.00 | 20.38 | | |
| 12 x 96 | 9.49 | 123.50 | 1 | | | |
| 12 x 108 | 10.81 | 135.50 | 1 | | | |
| 15 x 72 | 10.20 | 101.75 | | | | |
| 15 x 84 | 12.30 | 113.75 |] | | | |
| 15 x 96 | 14.40 | 125.75 | 22.00 | 31.00 | | |
| 15 x 108 | 16.50 | 137.75 | 22.00 | 51.00 | | |
| 15 x 120 | 18.50 | 149.75 |] | | | |
| 15 x 132 | 20.60 | 161.75 |] | | | |
| 18 x 96 | 17.00 | 130.75 | | | | |
| 18 x 120 | 22.00 | 154.75 |] | | | |
| 18 x 144 | 27.00 | 178.75 | 25.00 | 40.00 | | |
| 18 x 168 | 32.00 | 202.75 | 25.00 | 40.00 | | |
| 18 x 192 | 37.00 | 226.75 | 1 | | | |
| 18 x 216 | 42.00 | 250.75 | 1 | | | |

Note:

Specifications and dimensions are subject to change without notification

NOTICE

The photographs, illustrations, drawings and descriptions contained in this publication are not intended to depictt actual operating conditions or to suggest operating procedures. They are included only for the purpose of portraying the features of the machinery. The manufacturer's installation, operation and maintenance insturctions and recommended safety procedures must be expressly followed during installation, operation or maintenance of the equiptment.

| Mixer | Retained | | Dimensions | | | | |
|-------------|----------|--------|------------|-------|--|--|--|
| Designation | Volume | A | В | С | | | |
| 21 x 120 | 29.30 | 158.75 | | | | | |
| 21 x 144 | 36.00 | 182.75 | 1 | | | | |
| 21 x 168 | 42.80 | 206.75 | 30.00 | 45.00 | | | |
| 21 x 192 | 46.90 | 230.75 | 30.00 | 45.00 | | | |
| 21 x 216 | 56.40 | 254.75 |] | | | | |
| 21 x 240 | 63.20 | 278.75 | 1 | | | | |
| 24 x 120 | 39.40 | 163.25 | | | | | |
| 24 x 144 | 48.60 | 187.25 | 1 | | | | |
| 24 x 168 | 57.90 | 211.25 | 34.00 | 52.00 | | | |
| 24 x 192 | 67.10 | 235.25 | 34.00 | 52.00 | | | |
| 24 x 216 | 76.40 | 259.25 | 1 | | | | |
| 24 x 240 | 85.62 | 283.25 | 1 | | | | |
| 30 x 120 | 62.45 | 167.75 | | | | | |
| 30 x 144 | 77.25 | 191.75 |] | | | | |
| 30 x 168 | 92.05 | 215.75 | 42.00 | 63.00 | | | |
| 30 x 192 | 106.86 | 239.75 | 42.00 | 63.00 | | | |
| 30 x 216 | 121.66 | 263.75 | 1 | | | | |
| 30 x 240 | 136.46 | 287.75 | 1 | | | | |
| 36 x 120 | 91.50 | 171.25 | | | | | |
| 36 x 144 | 113.60 | 195.25 |] | | | | |
| 36 x 168 | 135.70 | 219.25 | 50.00 | 75.00 | | | |
| 36 x 192 | 157.80 | 243.25 | 30.00 | 75.00 | | | |
| 36 x 216 | 181.81 | 267.25 |] | | | | |
| 36 x 240 | 202.10 | 291.25 | 1 | | | | |

Determining The Size of Your Mixer

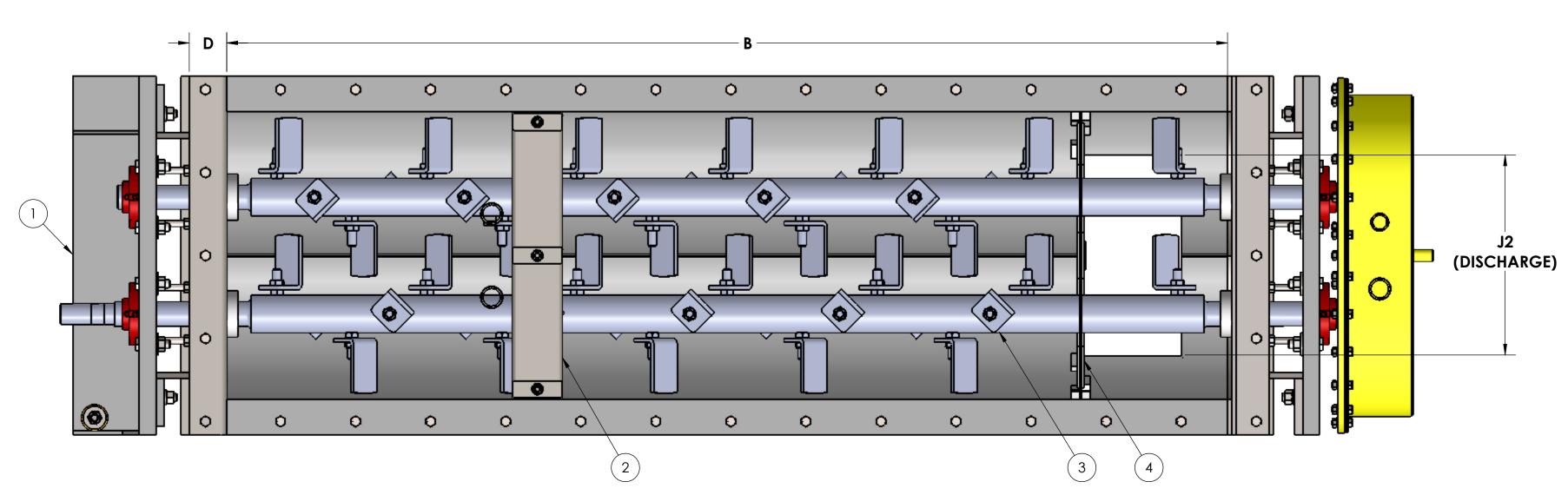
To select the proper mixer for your needs, you must divide your throughput capacity by the bulk density of your mixed products. Then Multiply that total by the required mixing time (Residence Time).

| Capacity (lbs./Min.) | | Residence | | Retained |
|--------------------------------|---|-------------------|---|---------------------|
| Bulk Density (Lbs./cu. ft.) | X | Time (Minutes) | = | Volume (cu. ft.) |

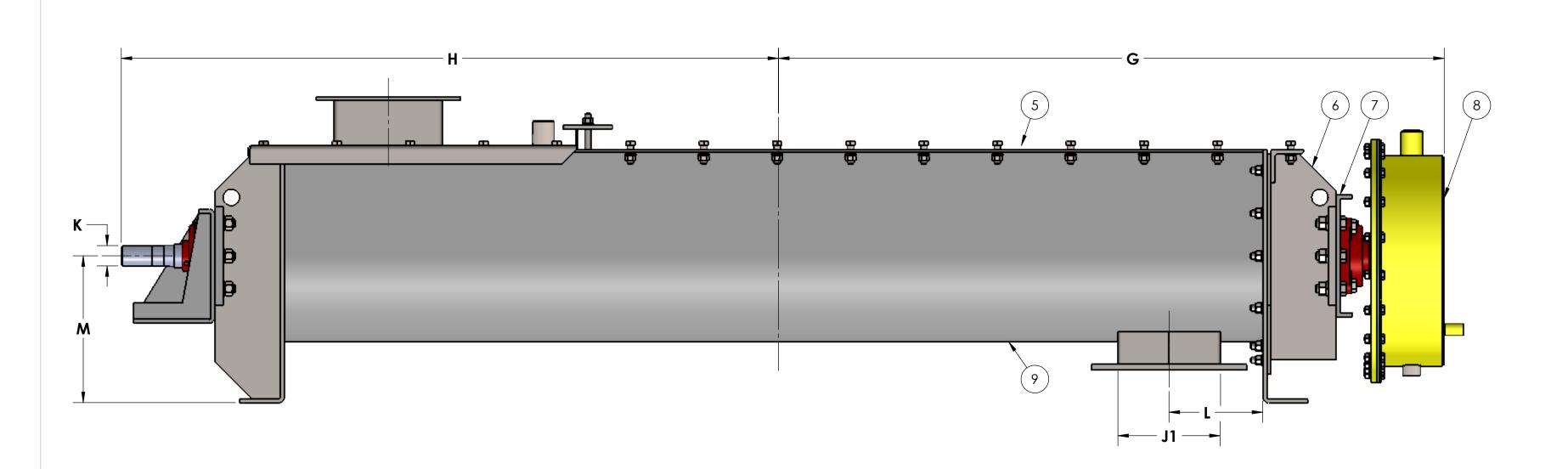


16 PAINTER STREET, MUNCY, PA 17756

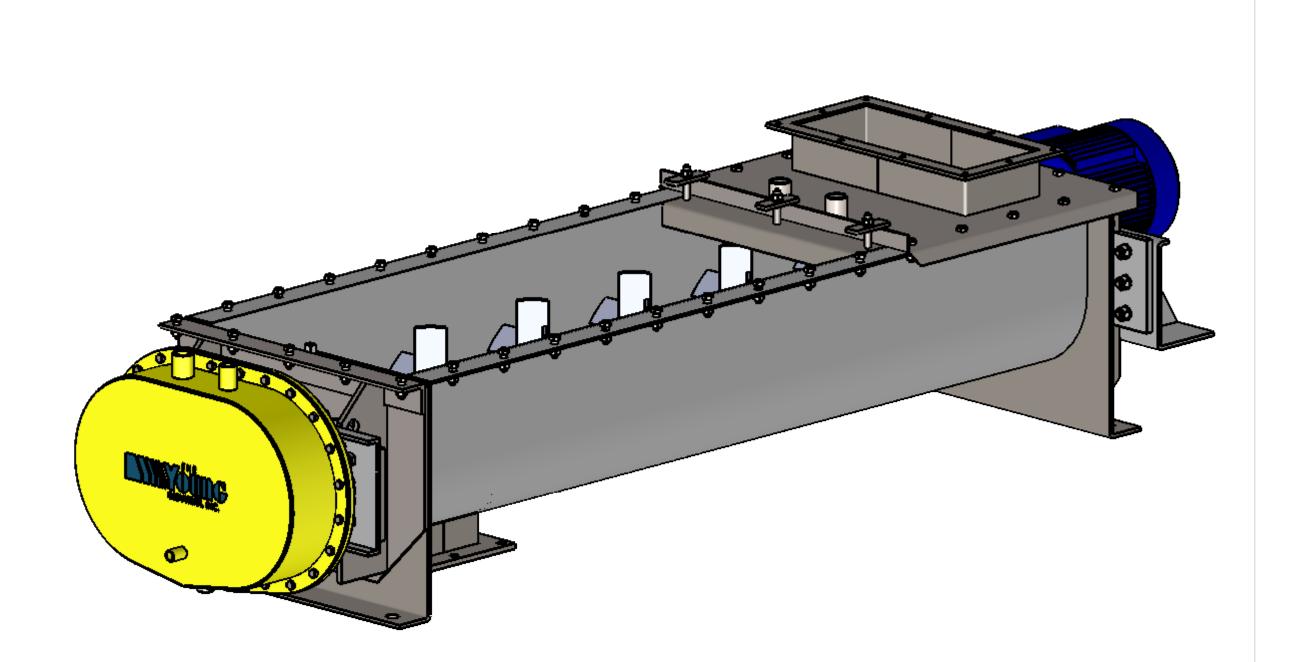
(800) 546-3165 | WWW.YOUNGINDS.COM

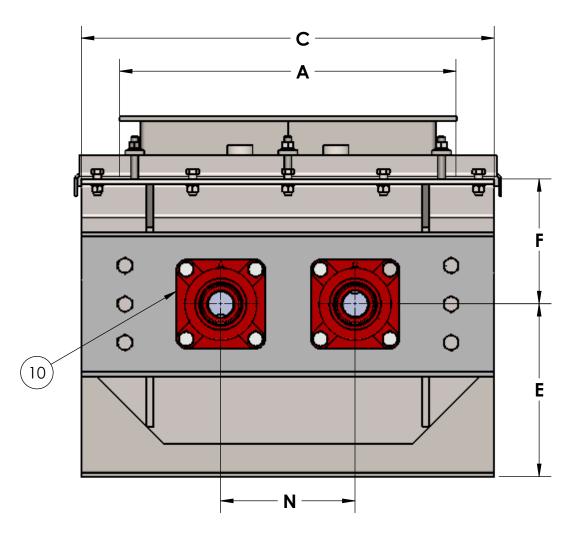


NOTE: TOP COVER & DRIVE REMOVED FOR CLARITY



| MIXER SIZE | RETAINED VOLUME (CU. FT.) | A | В | С | D | E | F | G | Н | JI | J2 | K | L | М | Ν | STD. SPEED (RPM) |
|------------|---------------------------------|-------|--------|-------|---------|----------|-----------|-----------|--------|---------|----------|------|------|------|------|------------------------|
| 4 X 36 | .32 | 7.00 | 36.00 | 9.75 | 1.25 | 3.50 | 3.50 | 30.13 | 30.13 | 3.00 | 5.00 | 1.19 | 3.50 | 3.00 | 3.00 | 575 |
| 4 X 48 | .44 | 7.00 | 48.00 | 9.75 | 1.25 | 3.50 | 3.50 | 36.13 | 36.13 | 3.00 | 5.00 | 1.19 | 3.50 | 3.00 | 3.00 | 575 |
| 4 X 60 | .56 | 7.00 | 60.00 | 9.75 | 1.25 | 3.50 | 3.50 | 42.13 | 42.13 | 3.00 | 5.00 | 1.19 | 3.50 | 3.00 | 3.00 | 575 |
| 4 X 72 | .69 | 7.00 | 72.00 | 9.75 | 1.25 | 3.50 | 3.50 | 48.13 | 48.13 | 3.00 | 5.00 | 1.19 | 3.50 | 3.00 | 3.00 | 575 |
| 6 X 36 | .74 | 10.00 | 36.00 | 13.38 | 1.50 | 5.00 | 4.50 | 28.13 | 27.88 | 5.00 | 8.00 | 1.44 | 4.00 | 4.50 | 4.00 | 380 |
| 6 X 48 | 1.05 | 10.00 | 48.00 | 13.38 | 1.50 | 5.00 | 4.50 | 34.13 | 33.88 | 5.00 | 8.00 | 1.44 | 4.00 | 4.50 | 4.00 | 380 |
| 6 X 60 | 1.35 | 10.00 | 60.00 | 13.38 | 1.50 | 5.00 | 4.50 | 40.13 | 39.88 | 5.00 | 8.00 | 1.44 | 4.00 | 4.50 | 4.00 | 380 |
| 6 X 72 | 1.65 | 10.00 | 72.00 | 13.38 | 1.50 | 5.00 | 4.50 | 46.13 | 45.88 | 5.00 | 8.00 | 1.44 | 4.00 | 4.50 | 4.00 | 380 |
| 6 X 84 | 1.96 | 10.00 | 84.00 | 13.38 | 1.50 | 5.00 | 4.50 | 52.13 | 51.88 | 5.00 | 8.00 | 1.44 | 4.00 | 4.50 | 4.00 | 380 |
| 9 X 36 | 1.73 | 16.00 | 36.00 | 20.38 | 2.00 | 7.00 | 6.50 | 29.63 | 29.88 | 6.00 | 12.00 | 1.94 | 5.00 | 6.00 | 7.00 | 255 |
| 9 X 48 | 2.47 | 16.00 | 48.00 | 20.38 | 2.00 | 7.00 | 6.50 | 35.63 | 35.88 | 6.00 | 12.00 | 1.94 | 5.00 | 6.00 | 7.00 | 255 |
| 9 X 60 | 3.21 | 16.00 | 60.00 | 20.38 | 2.00 | 7.00 | 6.50 | 41.63 | 41.88 | 6.00 | 12.00 | 1.94 | 5.00 | 6.00 | 7.00 | 255 |
| 9 X 72 | 3.95 | 16.00 | 72.00 | 20.38 | 2.00 | 7.00 | 6.50 | 47.63 | 47.88 | 6.00 | 12.00 | 1.94 | 5.00 | 6.00 | 7.00 | 255 |
| 9 X 84 | 4.68 | 16.00 | 84.00 | 20.38 | 2.00 | 7.00 | 6.50 | 53.63 | 53.88 | 6.00 | 12.00 | 1.94 | 5.00 | 6.00 | 7.00 | 255 |
| 9 X 96 | 5.42 | 16.00 | 96.00 | 20.38 | 2.00 | 7.00 | 6.50 | 59.63 | 59.88 | 6.00 | 12.00 | 1.94 | 5.00 | 6.00 | 7.00 | 255 |
| 12 X 48 | 4.19 | 22.00 | 48.00 | 26.38 | 2.00 | 10.00 | 9.00 | 36.88 | 38.63 | 8.00 | 16.00 | 2.19 | 6.00 | 9.00 | 9.00 | 170 |
| 12 X 60 | 5.52 | 22.00 | 60.00 | 26.38 | 2.00 | 10.00 | 9.00 | 42.88 | 44.63 | 8.00 | 16.00 | 2.19 | 6.00 | 9.00 | 9.00 | 170 |
| 12 X 72 | 6.84 | 22.00 | 72.00 | 26.38 | 2.00 | 10.00 | 9.00 | 48.88 | 50.63 | 8.00 | 16.00 | 2.19 | 6.00 | 9.00 | 9.00 | 170 |
| 12 X 84 | 8.16 | 22.00 | 84.00 | 26.38 | 2.00 | 10.00 | 9.00 | 54.88 | 56.63 | 8.00 | 16.00 | 2.19 | 6.00 | 9.00 | 9.00 | 170 |
| 12 X 96 | 9.49 | 22.00 | 96.00 | 26.38 | 2.00 | 10.00 | 9.00 | 60.88 | 62.63 | 8.00 | 16.00 | 2.19 | 6.00 | 9.00 | 9.00 | 170 |
| 12 X 108 | 10.81 | 22.00 | 108.00 | 26.38 | 2.00 | 10.00 | 9.00 | 66.88 | 68.63 | 8.00 | 16.00 | 2.19 | 6.00 | 9.00 | 9.00 | 170 |
| | | | | | note: s | PECIFICA | tions sub | JECT TO (| CHANGE | WITHOUT | NOTIFICA | TION | | | | |



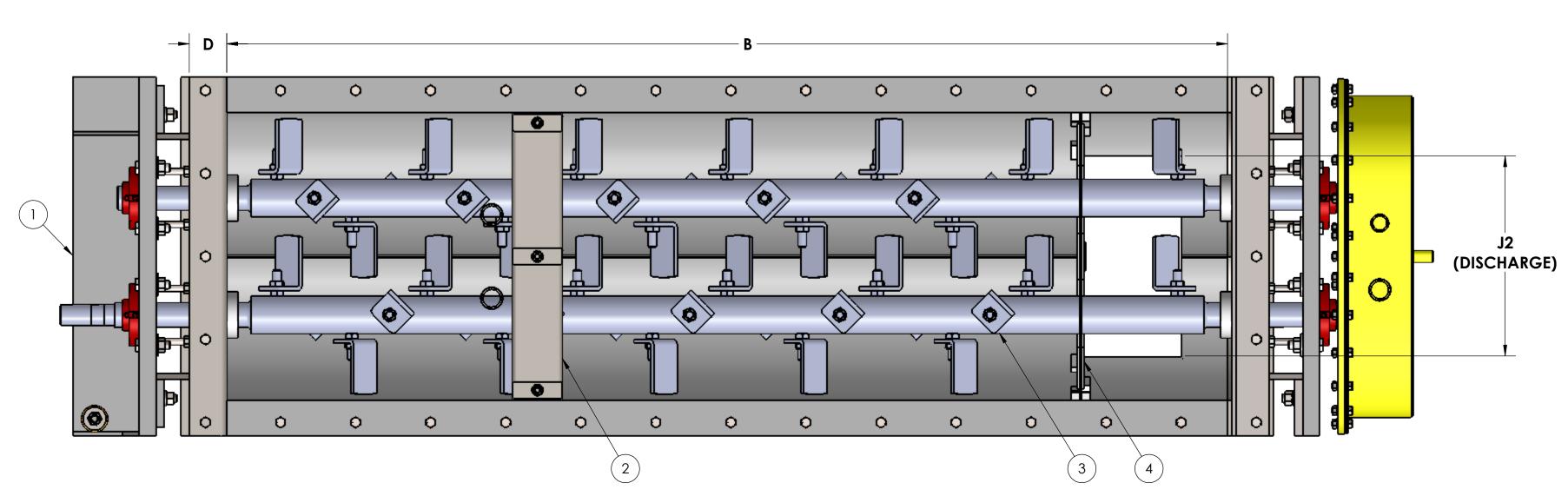


<u>LEGEND</u>

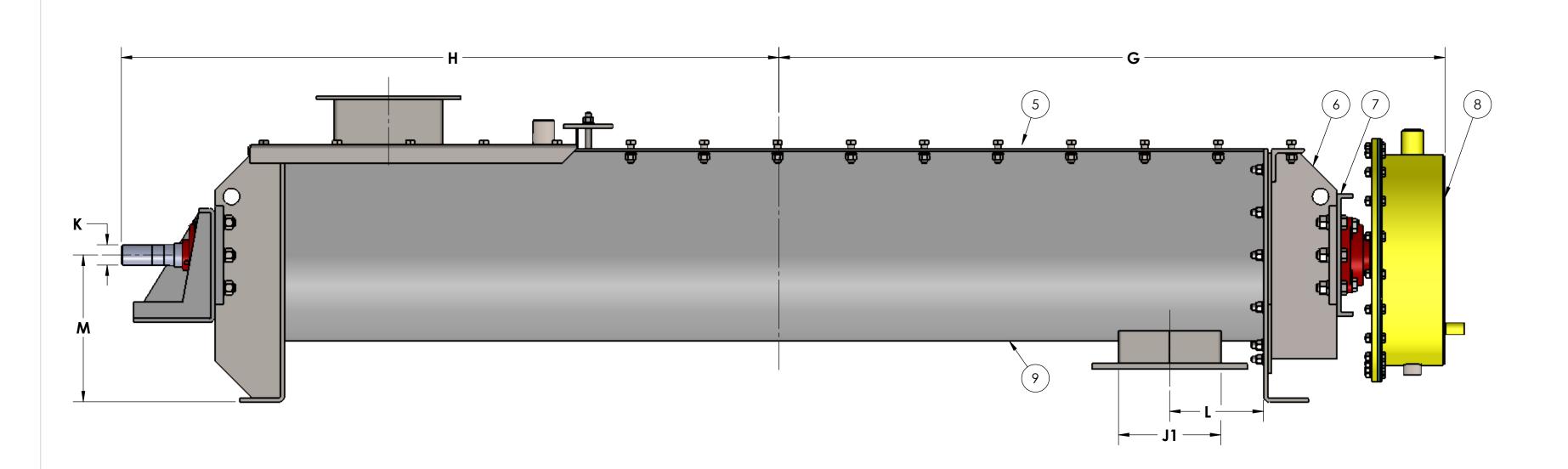
- $\widehat{(1)}$ DRIVE MOUNTING SUPPORT BRACKET (DRIVE NOT SHOWN)
- 2.) TWIN SHAFT MIXER COVER CLAMP BAR
- 3.) AGITATOR
- (4.) WEIR GATE ASSEMBLY
- 5.) TWIN SHAFT MIXER COVER
- 6.) TWIN SHAFT MIXER REMOVABLE END
- (7.) BEARING MOUNTING PLATE
- (8.) OIL TIGHT GEAR GUARD
- 9.) TWIN SHAFT MIXER BODY
- 10. BEARING, SEALMASTER

NOTE: GEAR GUARD REMOVED FOR CLARITY

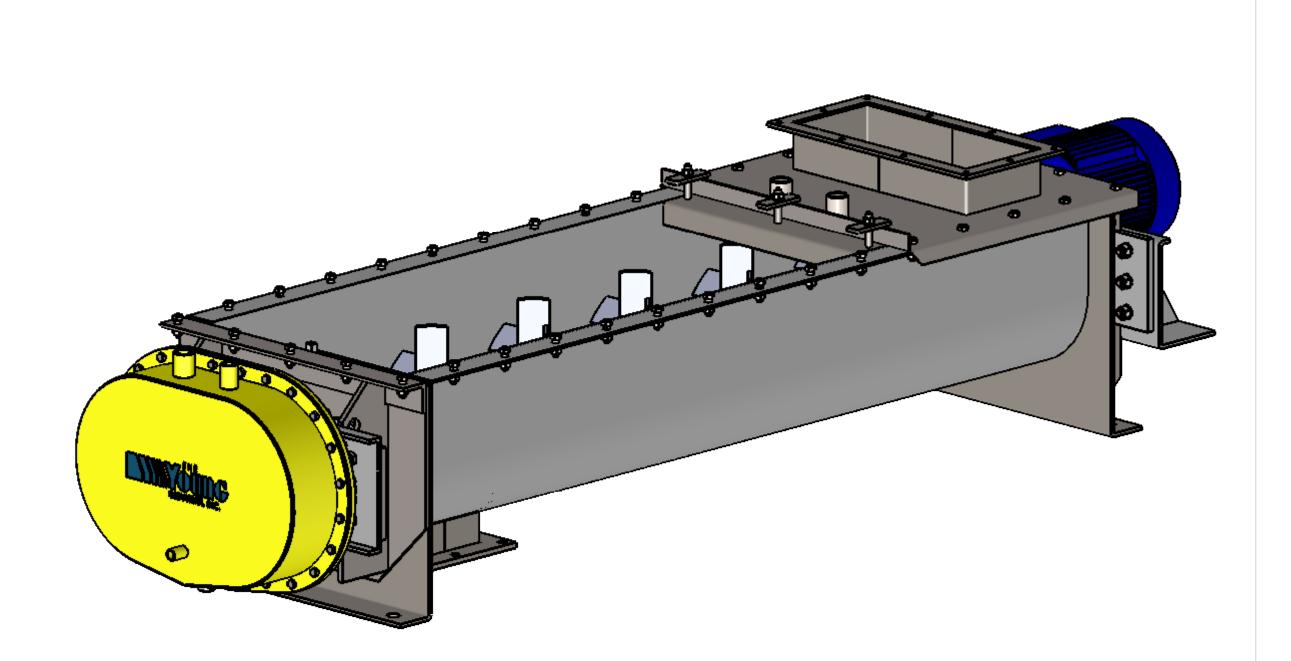
| | REV. NO. | DESCRIPTIC | Л | DATE | BY | | |
|--|--|-------------------------------|------------------|-----------------|------------|--|--|
| | REVISIONS | | | | | | |
| | CUSTOMER: | | | | | | |
| | CUSTOMER PO NUMBER: | | | | | | |
| | YOUN | G JOB NUMBER: | | | | | |
| | TITLE | | | | | | |
| | YOUNG INDUSTRIES CONTINUOUS TWIN SHAFT MIXER W/ WEIR PLATE ASSEMBLY, SIZE 4" X 36" TO 12" X 108" STANDARD DIMENSION SHEET | | | | | | |
| | THE | | | | | | |
| GENERAL TOLERANCES | _ | INDUSTRIES, MUNCY, PENNSYL | INC VANIA 177 | | | | |
| | | TELEPHONE: | 570-546-3165 | | | | |
| MACHININGXX= .02 .XXX= .005 ANGLE= .50° SURFACE ROUGHNESS HEIGHT 63 MICROINCHES OR LESS | DRA | WN BY: BMF | DATE: 1 | 2/12/18 | | | |
| FABRICATION - UNDER 6 6 TO 24 24 TO 60 OVER 60 ± .06 ± .12 ± .19 ± .25 | CHE | CKED BY: | 1:5 | 1:5 | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWII NUMBE | |)4 | Sheet 1 Of 1 | REV: 00 | | |

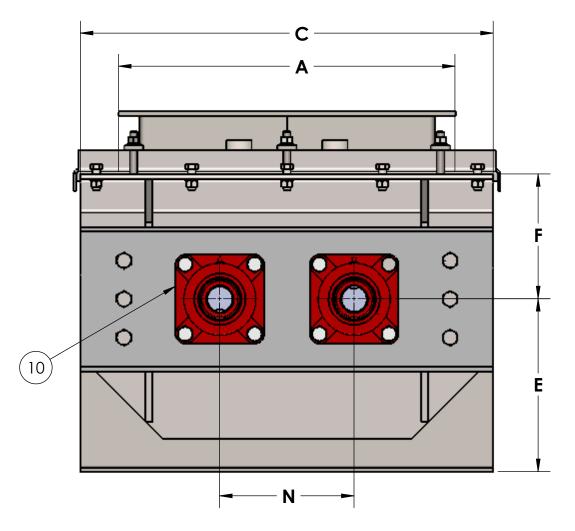


NOTE: TOP COVER & DRIVE REMOVED FOR CLARITY



| MIXER SIZE | RETAINED VOLUME (CU. FT.) | А | В | С | D | E | F | G | Н | Jl | J2 | К | L | м | N | STD. SPEED (RPM) |
|------------|---------------------------------|-------|--------|-------|----------|----------|----------|-----------|----------|-------|-------|------|------|-------|-------|------------------------|
| 15 X 72 | 10.20 | 26.50 | 72.00 | 31.00 | 2.00 | 11.00 | 11.00 | 50.38 | 51.38 | 10.00 | 20.00 | 2.44 | 7.75 | 10.00 | 10.00 | 155 |
| 15 X 84 | 12.30 | 26.50 | 84.00 | 31.00 | 2.00 | 11.00 | 11.00 | 56.38 | 57.38 | 10.00 | 20.00 | 2.44 | 7.75 | 10.00 | 10.00 | 155 |
| 15 X 96 | 14.40 | 26.50 | 96.00 | 31.00 | 2.00 | 11.00 | 11.00 | 62.38 | 63.38 | 10.00 | 20.00 | 2.44 | 7.75 | 10.00 | 10.00 | 155 |
| 15 X 108 | 16.50 | 26.50 | 108.00 | 31.00 | 2.00 | 11.00 | 11.00 | 68.38 | 69.38 | 10.00 | 20.00 | 2.44 | 7.75 | 10.00 | 10.00 | 155 |
| 15 X 120 | 18.50 | 26.50 | 120.00 | 31.00 | 2.00 | 11.00 | 11.00 | 74.38 | 75.38 | 10.00 | 20.00 | 2.44 | 7.75 | 10.00 | 10.00 | 155 |
| 15 X 132 | 20.60 | 26.50 | 132.00 | 31.00 | 2.00 | 11.00 | 11.00 | 80.38 | 81.38 | 10.00 | 20.00 | 2.44 | 7.75 | 10.00 | 10.00 | 155 |
| 18 X 96 | 17.00 | 34.50 | 96.00 | 40.00 | 2.50 | 12.00 | 13.00 | 65.88 | 64.88 | 12.00 | 28.00 | 2.94 | 8.75 | 11.00 | 16.00 | 125 |
| 18 X 120 | 22.00 | 34.50 | 120.00 | 40.00 | 2.50 | 12.00 | 13.00 | 77.88 | 76.88 | 12.00 | 28.00 | 2.94 | 8.75 | 11.00 | 16.00 | 125 |
| 18 X 144 | 27.00 | 34.50 | 144.00 | 40.00 | 2.50 | 12.00 | 13.00 | 89.88 | 88.88 | 12.00 | 28.00 | 2.94 | 8.75 | 11.00 | 16.00 | 125 |
| 18 X 168 | 32.00 | 34.50 | 168.00 | 40.00 | 2.50 | 12.00 | 13.00 | 101.88 | 100.88 | 12.00 | 28.00 | 2.94 | 8.75 | 11.00 | 16.00 | 125 |
| 18 X 192 | 37.00 | 34.50 | 192.00 | 40.00 | 2.50 | 12.00 | 13.00 | 113.88 | 112.88 | 12.00 | 28.00 | 2.94 | 8.75 | 11.00 | 16.00 | 125 |
| 18 X 216 | 42.00 | 34.50 | 216.00 | 40.00 | 2.50 | 12.00 | 13.00 | 125.88 | 124.88 | 12.00 | 28.00 | 2.94 | 8.75 | 11.00 | 16.00 | 125 |
| 21 X 120 | 29.30 | 39.50 | 10.00 | 45.00 | 2.50 | 14.00 | 16.00 | 79.88 | 78.88 | 14.00 | 30.00 | 3.44 | 9.75 | 13.00 | 18.00 | 110 |
| 21 X 144 | 36.00 | 39.50 | 144.00 | 45.00 | 2.50 | 14.00 | 16.00 | 91.88 | 90.88 | 14.00 | 30.00 | 3.44 | 9.75 | 13.00 | 18.00 | 110 |
| 21 X 168 | 42.80 | 39.50 | 168.00 | 45.00 | 2.50 | 14.00 | 16.00 | 103.88 | 102.88 | 14.00 | 30.00 | 3.44 | 9.75 | 13.00 | 18.00 | 110 |
| 21 X 192 | 49.60 | 39.50 | 192.00 | 45.00 | 2.50 | 14.00 | 16.00 | 115.88 | 114.88 | 14.00 | 30.00 | 3.44 | 9.75 | 13.00 | 18.00 | 110 |
| 21 X 216 | 56.40 | 39.50 | 216.00 | 45.00 | 2.50 | 14.00 | 16.00 | 127.88 | 126.88 | 14.00 | 30.00 | 3.44 | 9.75 | 13.00 | 18.00 | 110 |
| 21 X 240 | 63.20 | 39.50 | 240.00 | 45.00 | 2.50 | 14.00 | 16.00 | 139.88 | 138.88 | 14.00 | 30.00 | 3.44 | 9.75 | 13.00 | 18.00 | 110 |
| | | | | N | IOTE: SP | ECIFICAT | IONS SUB | JECT TO C | HANGE WI | | | NC | | | | |



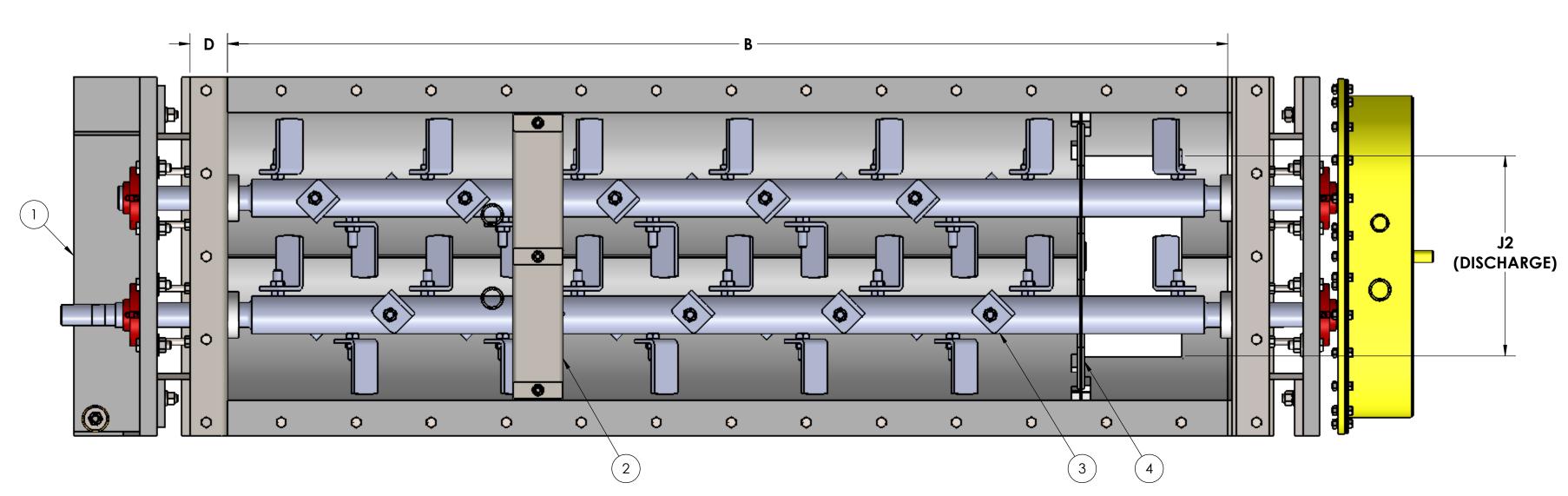


<u>LEGEND</u>

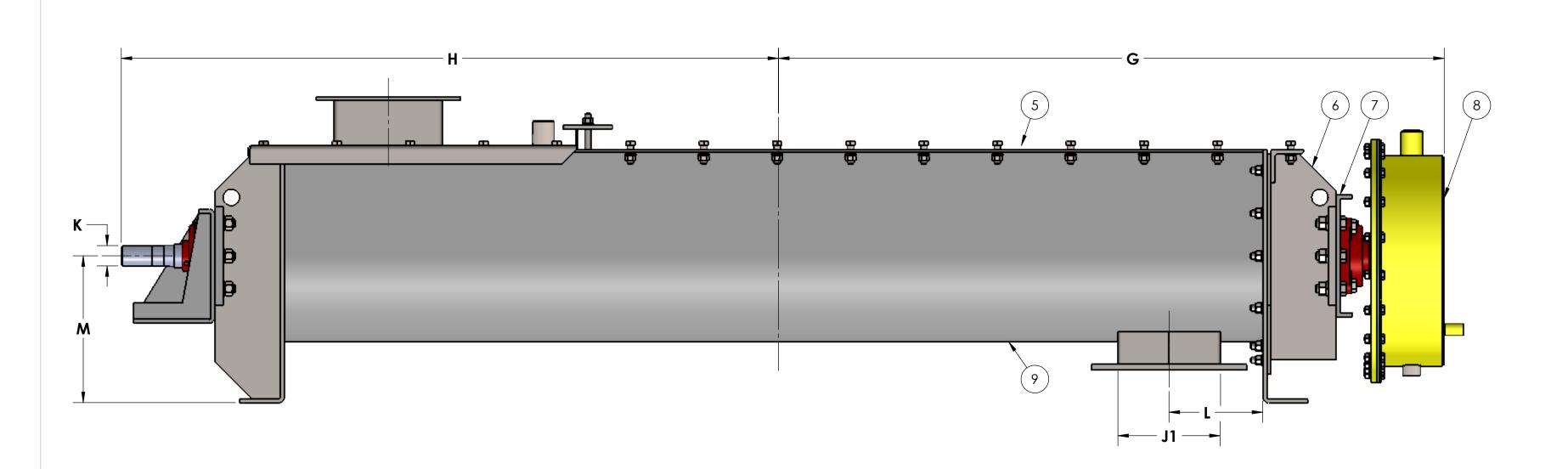
- $\widehat{(1,)}$ drive mounting support bracket (drive not shown)
- 2.) TWIN SHAFT MIXER COVER CLAMP BAR
- (3.) AGITATOR
- (4.) WEIR GATE ASSEMBLY
- (5.) TWIN SHAFT MIXER COVER
- 6.) TWIN SHAFT MIXER REMOVABLE END
- (7.) BEARING MOUNTING PLATE
- (8.) OIL TIGHT GEAR GUARD
- 9.) TWIN SHAFT MIXER BODY
- (10.) BEARING, SEALMASTER

NOTE: GEAR GUARD REMOVED FOR CLARITY

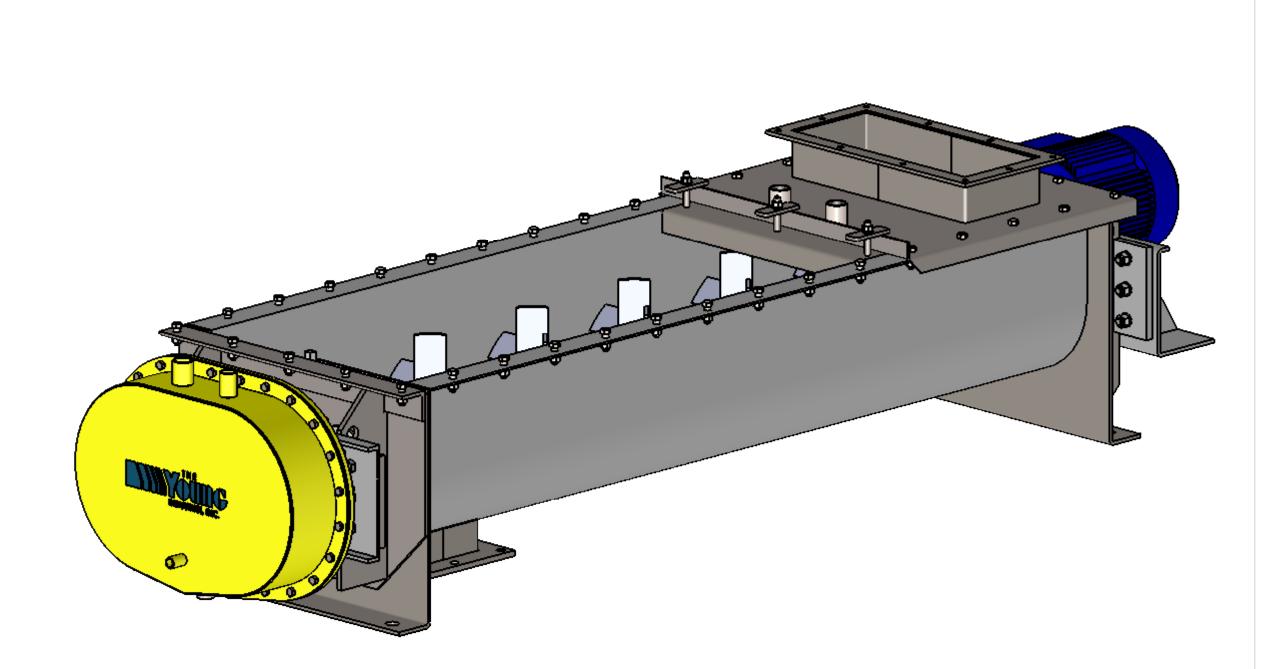
| | REV. NO. | DESCRI | PTION | DATE | BY | | | | |
|--|---|--------------------------|-----------------------|-----------------|------------|--|--|--|--|
| | REVISIONS | | | | | | | | |
| | CUSTOMER: | | | | | | | | |
| | CUSTOMER PO NUMBER: | | | | | | | | |
| | YOUNG | G JOB NUMBER: | | | | | | | |
| | TITLE YOUNG INDUSTRIES CONTINUOUS TWIN SHAFT MIXER W/ WEIR PLATE ASSEMBLY, SIZE 15" X 72" TO 21" X 240" STANDARD DIMENSION SHEET THE INDUSTRIES, INC. | | | | | | | | |
| GENERAL TOLERANCES | | | | | | | | | |
| UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY | | MUNCY, PEN | NSYLVANIA 177 | | | | | | |
| MACHININGXX= .02 .XXX= .005 ANGLE= .50° SURFACE ROUGHNESS HEIGHT 63 MICROINCHES OR LESS | DRAV | TELEPHONE: WN BY: BMF | 570-546-3165 DATE: | 12/12/18 | | | | | |
| FABRICATION - UNDER 6 6 TO 24 24 TO 60 OVER 60 + .06 + .12 + .19 + .25 | CHEC | CKED BY: | SCALE= | =1:5 | | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWIN NUMBER | | 8-12 | Sheet 1 Of 1 | REV: 00 | | | | |

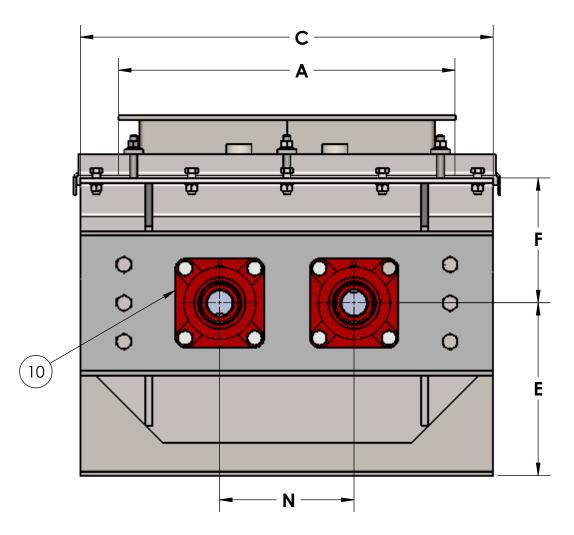


NOTE: TOP COVER & DRIVE REMOVED FOR CLARITY



| MIXER SIZE | RETAINED VOLUME (CU. FT.) | А | В | С | D | E | F | G | Н | JI | J2 | К | L | М | N | STD. SPEED (RPM) |
|------------|---------------------------------|-------|--------|-------|----------|----------|----------|-----------|-----------|---------|-----------|------|-------|-------|-------|------------------------|
| 24 X 120 | 39.40 | 45.50 | 120.00 | 52.00 | 3.00 | 16.00 | 18.00 | 58.13 | 57.13 | 15.00 | 36.00 | 3.94 | 10.25 | 15.00 | 21.00 | 85 |
| 24 X 144 | 48.60 | 45.50 | 144.00 | 52.00 | 3.00 | 16.00 | 18.00 | 70.13 | 69.13 | 15.00 | 36.00 | 3.94 | 10.25 | 15.00 | 21.00 | 85 |
| 24 X 168 | 57.90 | 45.50 | 168.00 | 52.00 | 3.00 | 16.00 | 18.00 | 82.13 | 81.13 | 15.00 | 36.00 | 3.94 | 10.25 | 15.00 | 21.00 | 85 |
| 24 X 192 | 67.10 | 45.50 | 192.00 | 52.00 | 3.00 | 16.00 | 18.00 | 94.13 | 93.13 | 15.00 | 36.00 | 3.94 | 10.25 | 15.00 | 21.00 | 85 |
| 24 X 216 | 76.40 | 45.50 | 216.00 | 52.00 | 3.00 | 16.00 | 18.00 | 106.13 | 105.13 | 15.00 | 36.00 | 3.94 | 10.25 | 15.00 | 21.00 | 85 |
| 24 X 240 | 85.62 | 45.50 | 240.00 | 52.00 | 3.00 | 16.00 | 18.00 | 118.13 | 117.13 | 15.00 | 36.00 | 3.94 | 10.25 | 15.00 | 21.00 | 85 |
| 30 X 120 | 62.45 | 56.50 | 120.00 | 63.00 | 3.00 | 20.00 | 22.00 | 84.38 | 83.38 | 16.00 | 44.00 | 4.44 | 10.75 | 18.00 | 26.00 | 65 |
| 30 X 144 | 77.25 | 56.50 | 144.00 | 63.00 | 3.00 | 20.00 | 22.00 | 96.38 | 95.38 | 16.00 | 44.00 | 4.44 | 10.75 | 18.00 | 26.00 | 65 |
| 30 X 168 | 92.05 | 56.50 | 168.00 | 63.00 | 3.00 | 20.00 | 22.00 | 108.38 | 107.38 | 16.00 | 44.00 | 4.44 | 10.75 | 18.00 | 26.00 | 65 |
| 30 X 192 | 106.86 | 56.50 | 192.00 | 63.00 | 3.00 | 20.00 | 22.00 | 120.38 | 119.38 | 16.00 | 44.00 | 4.44 | 10.75 | 18.00 | 26.00 | 65 |
| 30 X 216 | 121.66 | 56.50 | 216.00 | 63.00 | 3.00 | 20.00 | 22.00 | 132.38 | 131.38 | 16.00 | 44.00 | 4.44 | 10.75 | 18.00 | 26.00 | 65 |
| 30 X 240 | 136.46 | 56.50 | 240.00 | 63.00 | 3.00 | 20.00 | 22.00 | 144.38 | 143.38 | 16.00 | 44.00 | 4.44 | 10.75 | 18.00 | 26.00 | 65 |
| 36 X 120 | 91.50 | 68.50 | 120.00 | 75.00 | 3.00 | 24.00 | 26.00 | 86.13 | 85.13 | 18.00 | 54.00 | 4.94 | 11.75 | 21.00 | 32.00 | 60 |
| 36 X 144 | 11.60 | 68.50 | 144.00 | 75.00 | 3.00 | 24.00 | 26.00 | 98.13 | 97.13 | 18.00 | 54.00 | 4.94 | 11.75 | 21.00 | 32.00 | 60 |
| 36 X 168 | 135.70 | 68.50 | 168.00 | 75.00 | 3.00 | 24.00 | 26.00 | 110.13 | 109.13 | 18.00 | 54.00 | 4.94 | 11.75 | 21.00 | 32.00 | 60 |
| 36 X 192 | 157.80 | 68.50 | 192.00 | 75.00 | 3.00 | 24.00 | 26.00 | 122.13 | 121.13 | 18.00 | 54.00 | 4.94 | 11.75 | 21.00 | 32.00 | 60 |
| 36 X 216 | 181.81 | 68.50 | 216.00 | 75.00 | 3.00 | 24.00 | 26.00 | 134.13 | 133.13 | 18.00 | 54.00 | 4.94 | 11.75 | 21.00 | 32.00 | 60 |
| 36 X 240 | 202.10 | 68.50 | 240.00 | 75.00 | 3.00 | 24.00 | 26.00 | 146.13 | 145.13 | 18.00 | 54.00 | 4.94 | 11.75 | 21.00 | 32.00 | 60 |
| | | | | N | ote: spe | CIFICATI | ONS SUBJ | ECT TO CH | IANGE WIT | HOUT NO | TIFICATIC | N | | | | |





<u>LEGEND</u>

- (1.) DRIVE MOUNTING SUPPORT BRACKET (DRIVE NOT SHOWN)
- 2.) TWIN SHAFT MIXER COVER CLAMP BAR
- 3.) AGITATOR
- (4.) WEIR GATE ASSEMBLY
- 5.) TWIN SHAFT MIXER COVER
- 6.) TWIN SHAFT MIXER REMOVABLE END
- (7.) BEARING MOUNTING PLATE
- (8.) OIL TIGHT GEAR GUARD
- 9.) TWIN SHAFT MIXER BODY
- 10. BEARING, SEALMASTER

NOTE: GEAR GUARD REMOVED FOR CLARITY

| | REV. NO. | | DESCRIPTIC | ЭN | DAI | E BY | | |
|--|---|-----------------------|-------------------------------|---------------------------|--------------|------|--|--|
| | REVISIONS | | | | | | | |
| | CUSTOMER: | | | | | | | |
| | CUSTOMER PO NUMBER: | | | | | | | |
| | YOUNG JOB NUMBER: | | | | | | | |
| | TITLE YOUNG INDUSTRIES CONTINUOUS TWIN SHAFT MIXER W/ WEIR PLATE ASSEMBLY, SIZE 24'' X 120'' TO 36'' X 240'' STANDARD DIMENSION SHEET | | | | | | | |
| | | | | | | | | |
| GENERAL TOLERANCES | | | INDUSTRIES, | INC | | | | |
| UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY | | | MUNCY, PENNSYL' TELEPHONE: | VANIA 177 570-546-3165 | 56 | | | |
| MACHININGXX= .02 .XXX= .005 ANGLE= .50° SURFACE ROUGHNESS HEIGHT 63 MICROINCHES OR LESS | DRA | WN BY: | BMF | DATE: 1 | TE: 12/12/18 | | | |
| FABRICATION - UNDER 6 6 TO 24 24 TO 60 OVER 60 ± .06 ± .12 ± .19 ± .25 | CHE | CKED BY | | SCALE= | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWII NUMBE | D ⁻ | 21118- | וז | SHEET | REV: | | |
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