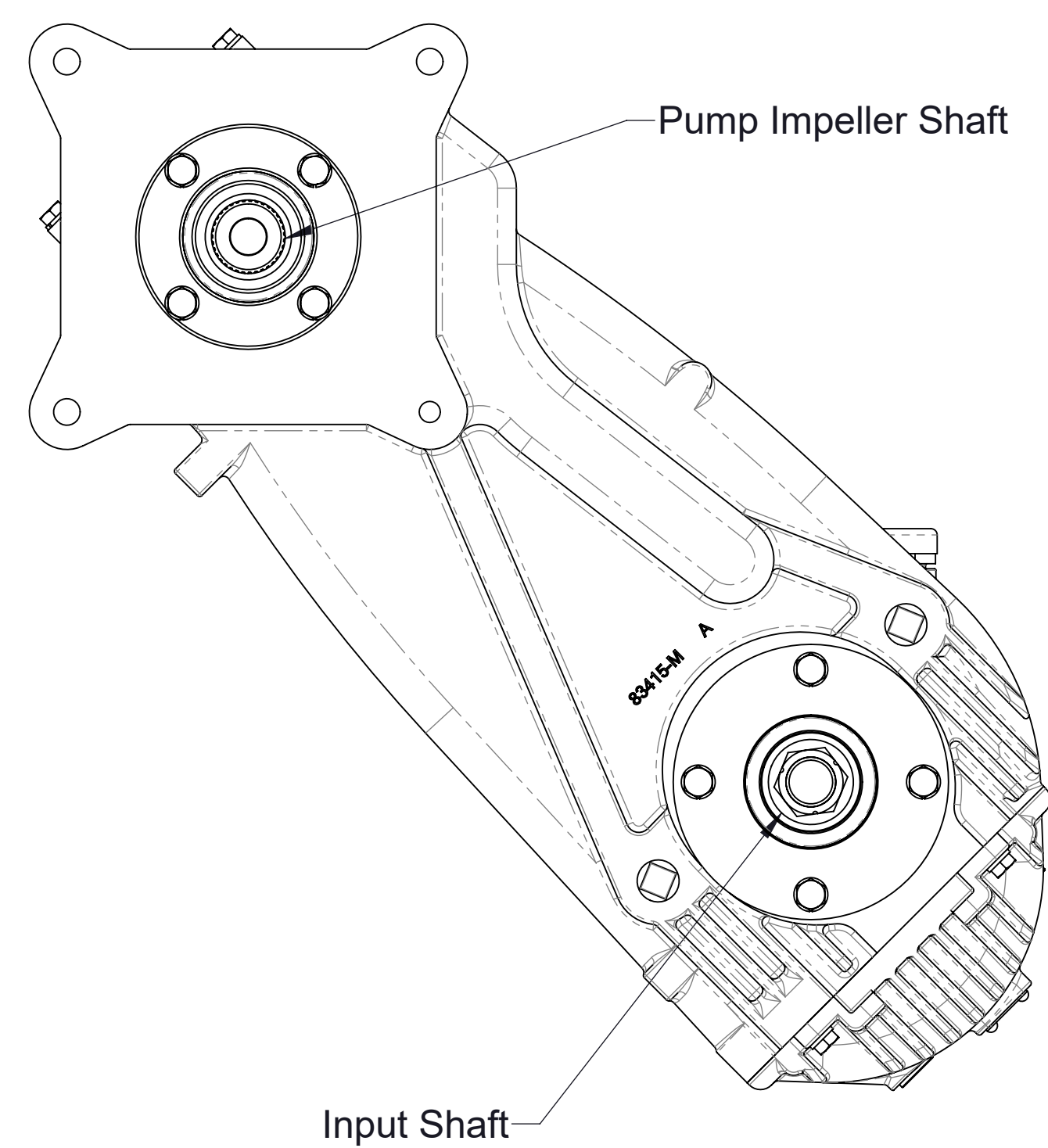
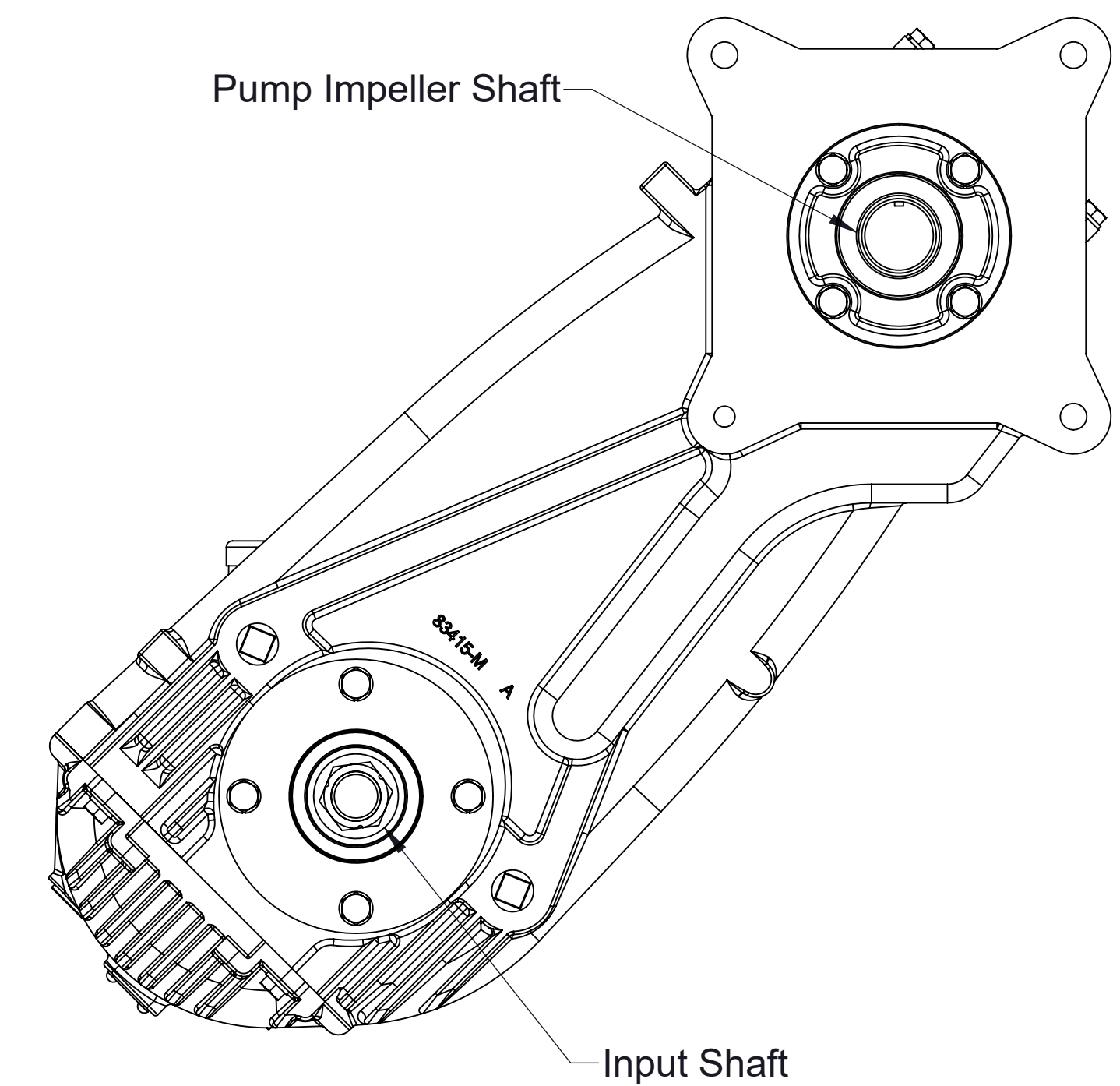


Dimensional Drawings For PA Series Transmission

| Driveline    |                           | Pump Series | Complete Pump and Transmission model                  | Optional Rear Facing Shaft<br>(Connection opposite pump) | See Page            |                      |            |            |                                    |
|--------------|---------------------------|-------------|-------------------------------------------------------|----------------------------------------------------------|---------------------|----------------------|------------|------------|------------------------------------|
| Spline       | Type                      |             |                                                       |                                                          | Case Mounting       |                      | Optional   |            |                                    |
|              |                           |             |                                                       |                                                          | Vertical<br>(Right) | Horizontal<br>(Left) | Rear Shaft | Tachometer | End Yokes and<br>Companion Flanges |
| 1-1/2-10 SAE | Input Shaft<br>Only       | CM/CS       | CMPA, CMUPA, CSPA, CSUPA                              | None                                                     | 2                   | N/A                  | 8          | 9          | See Drawing DPL83861               |
|              |                           |             |                                                       | Shaft with 1-3/8-10 SAE Spline                           |                     |                      |            |            |                                    |
|              |                           | S100        | S100PA                                                | None                                                     | 4                   |                      |            |            |                                    |
|              |                           | CG          | CGNPA, CGRPA, CGGPA, CGMPA,<br>CGVNPA, CGVRPA, CGVGPA | None                                                     | 2                   | 3                    |            |            |                                    |
|              |                           | CL          | CLRPA, CLSPA, CLVPA                                   | None                                                     |                     |                      |            |            |                                    |
|              |                           | CX          | CXNPA, CXSPA, CXVPA                                   | None                                                     |                     |                      |            |            |                                    |
|              |                           |             |                                                       | Hydraulic Adapter Flange                                 |                     |                      |            |            |                                    |
|              | HLU                       | HLUPA       | None                                                  | 5                                                        | N/A                 |                      |            |            |                                    |
|              | Input and<br>Output Shaft | CG          | CGNPA, CGRPA, CGGPA, CGMPA,<br>CGVNPA, CGVRPA, CGVGPA | None                                                     | 6                   | 7                    |            |            |                                    |
|              |                           | CL          | CLRPA, CLSPA, CLVPA                                   | None                                                     |                     |                      |            |            |                                    |
|              |                           | CX          | CXNPA, CXSPA, CXVPA                                   | None                                                     |                     |                      |            |            |                                    |
|              |                           |             |                                                       | Hydraulic Adapter Flange                                 |                     |                      |            |            |                                    |



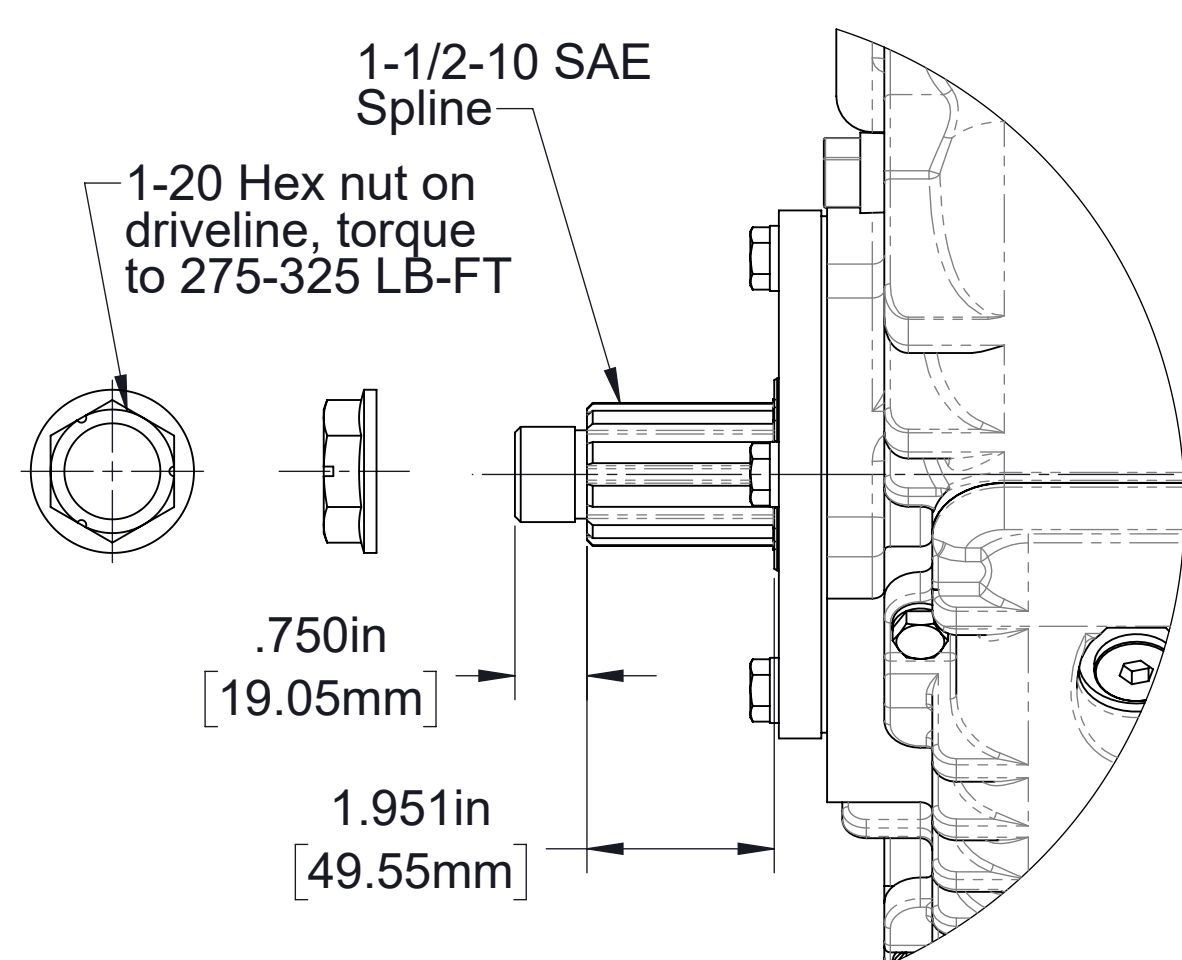
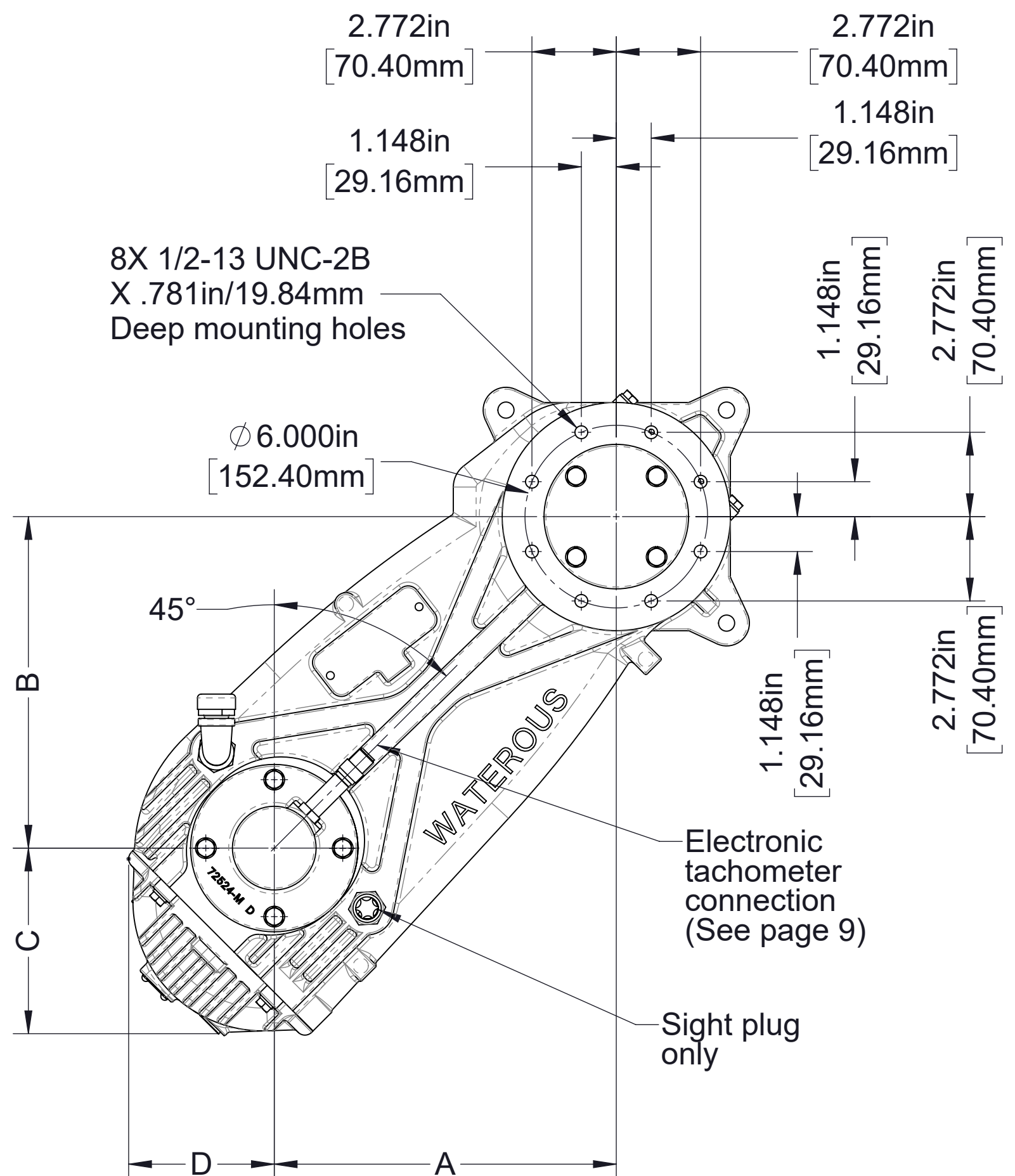
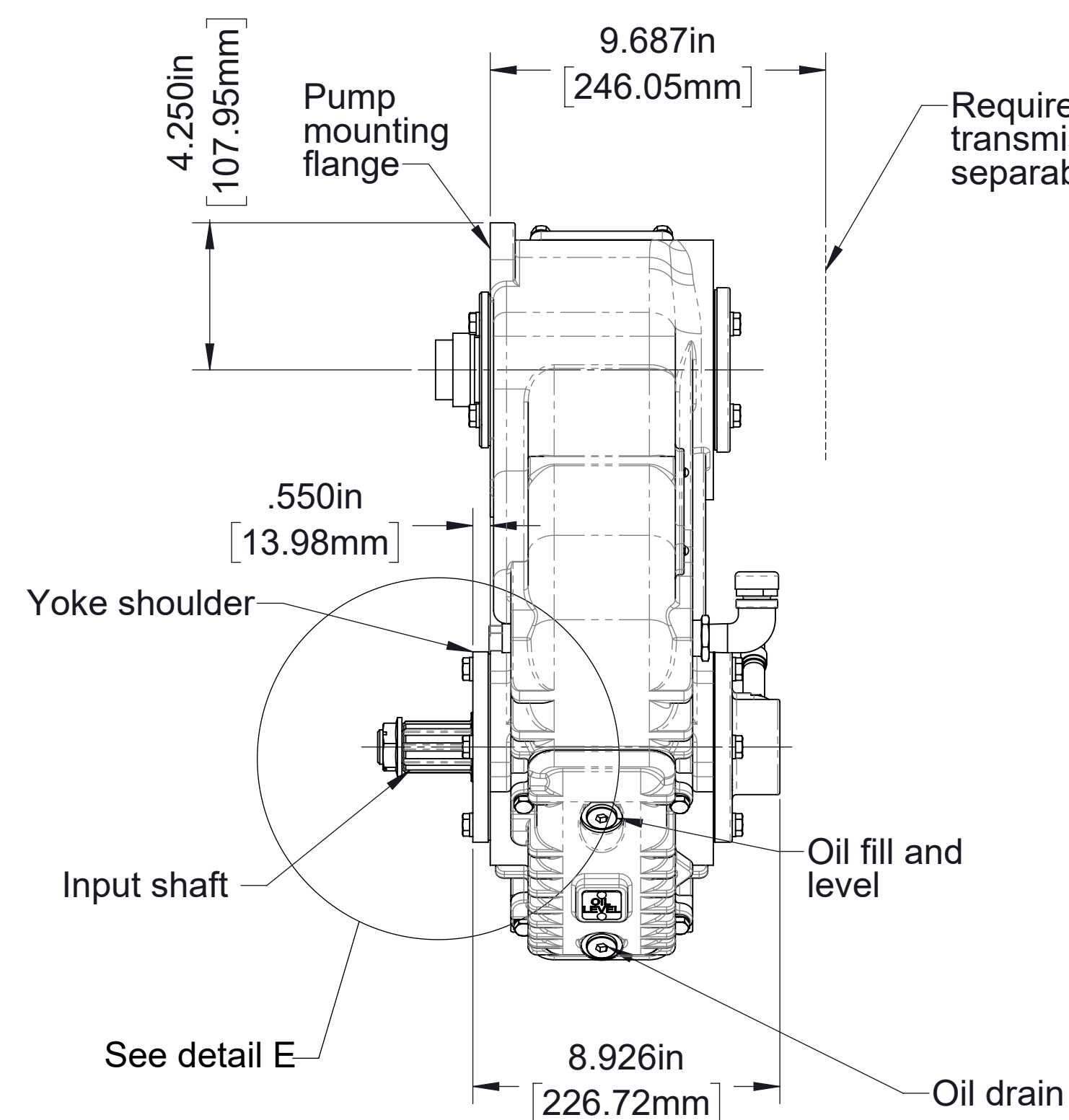
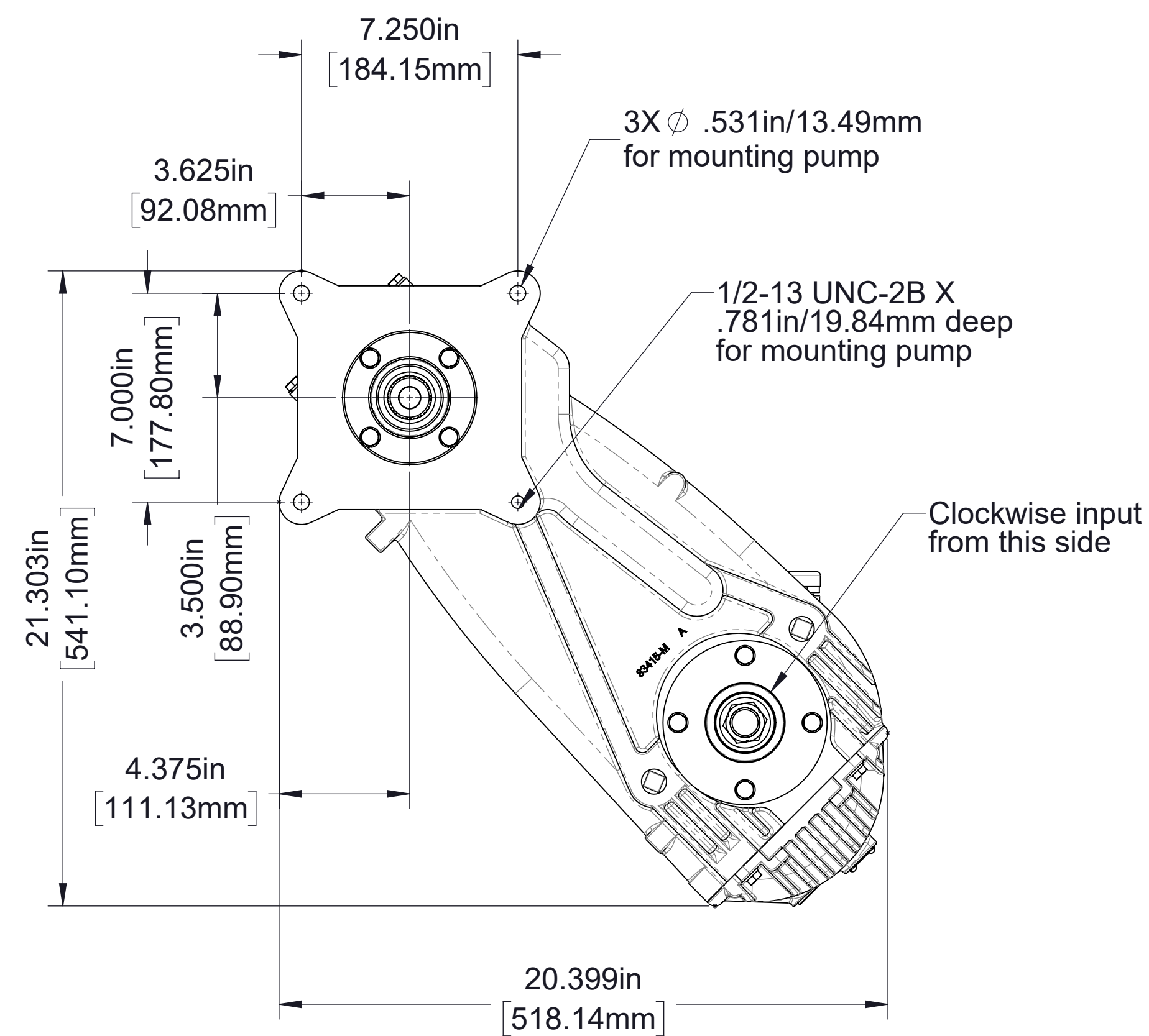
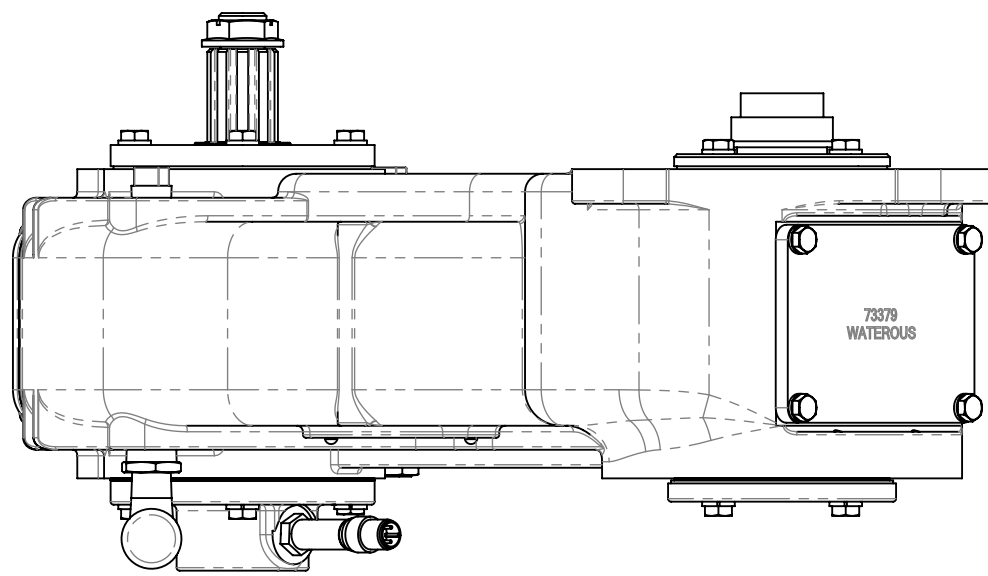
Vertical (Right) Mounting



Horizontal (Left) Mounting



| Drive Line    |                 | Ratio | Dim A                | Dim B                | Dim C               | Dim D               | Model |
|---------------|-----------------|-------|----------------------|----------------------|---------------------|---------------------|-------|
| Size          | Spline          |       |                      |                      |                     |                     |       |
| 1-1/2<br>Inch | 1-1/2-10<br>SAE | 1.00  | 11.442in<br>290.62mm | 11.200in<br>284.48mm | 5.855in<br>148.71mm | 4.582in<br>116.39mm | PA    |
|               |                 | 1.70  | 11.288in<br>286.71mm | 10.943in<br>277.94mm | 6.111in<br>155.22mm | 4.737in<br>120.32mm |       |
|               |                 | 1.90  | 11.269in<br>286.24mm | 10.924in<br>277.47mm | 6.130in<br>155.70mm | 4.755in<br>120.79mm |       |
|               |                 | 2.10  | 11.239in<br>285.46mm | 10.894in<br>276.70mm | 6.160in<br>156.46mm | 4.786in<br>121.56mm |       |

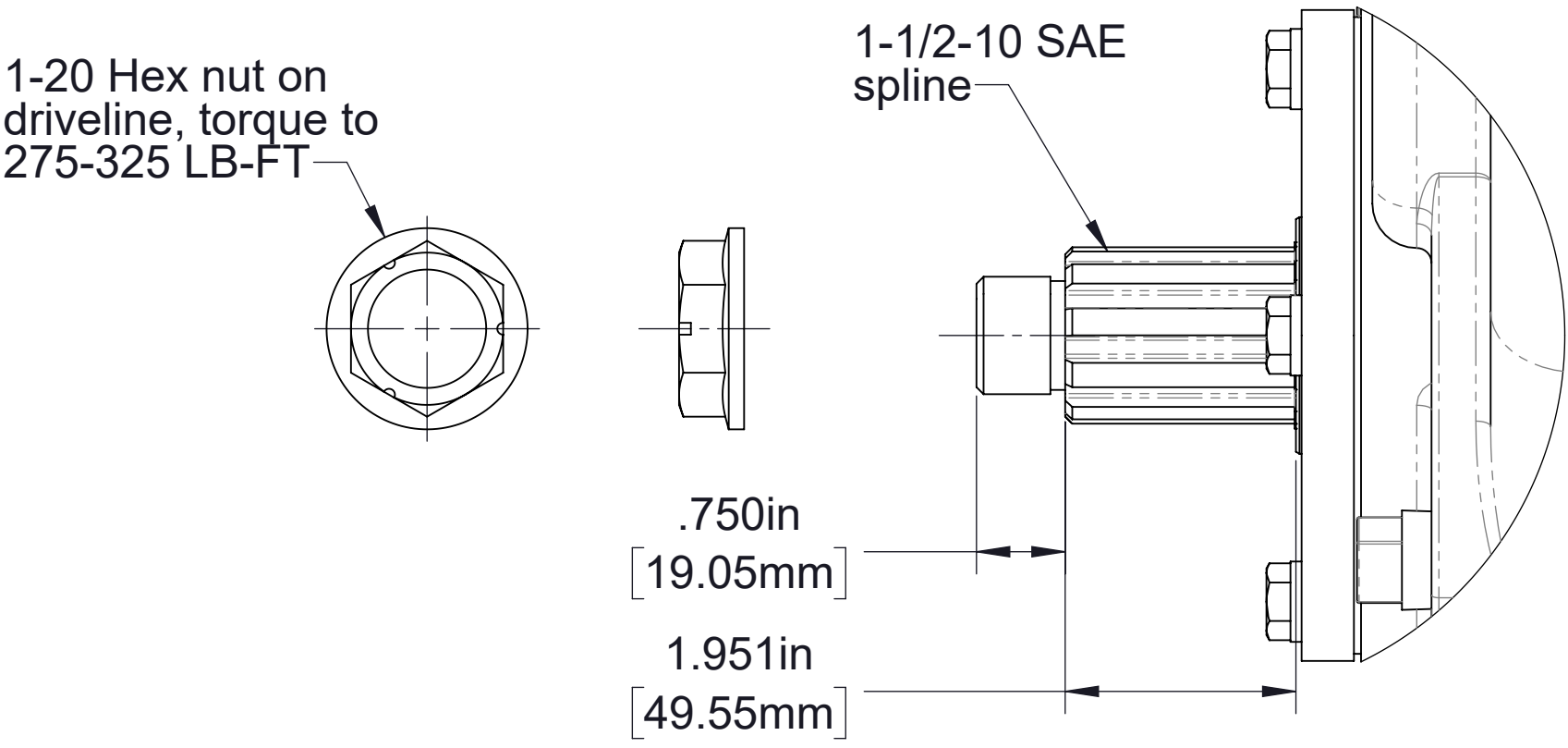
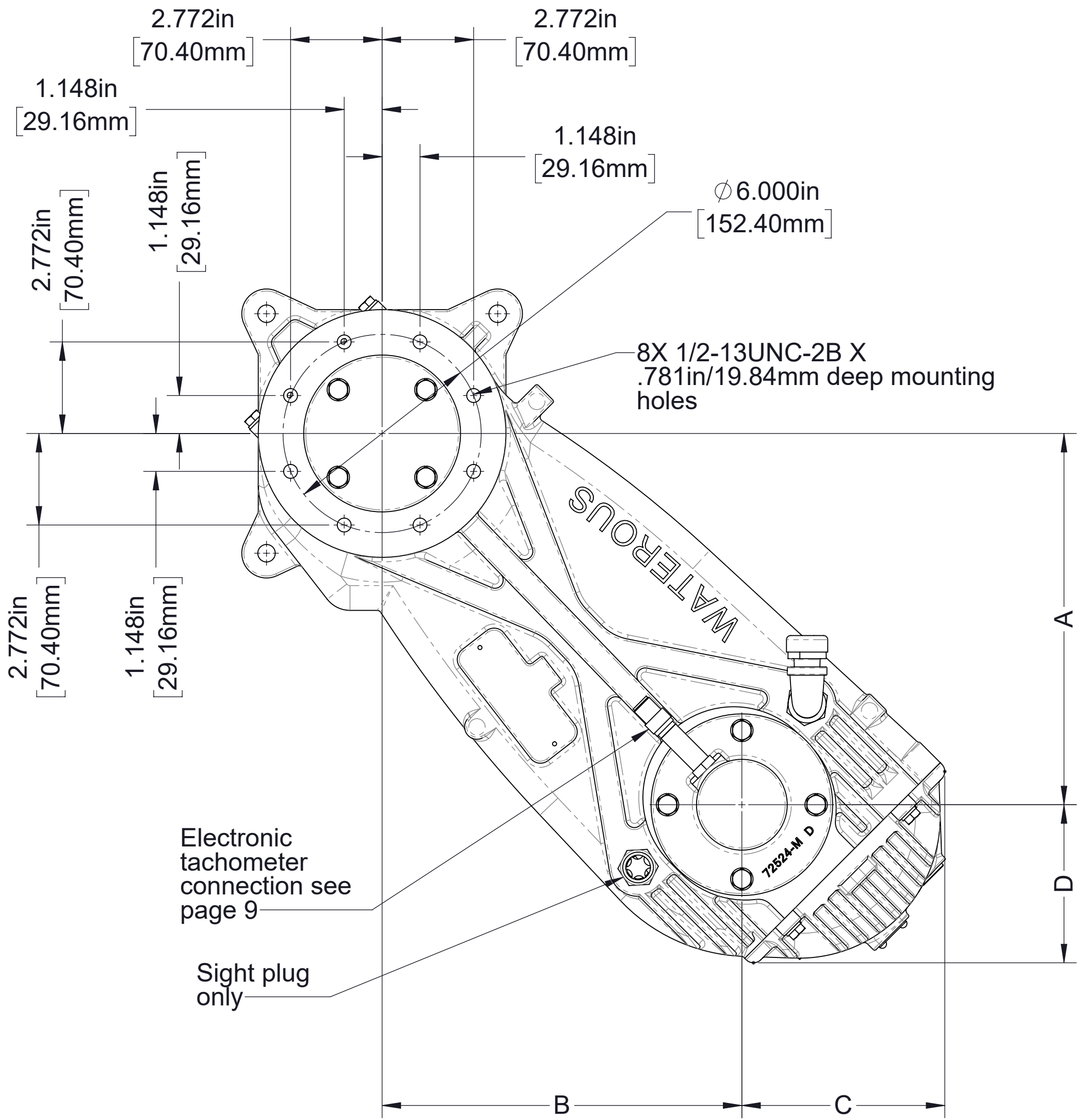
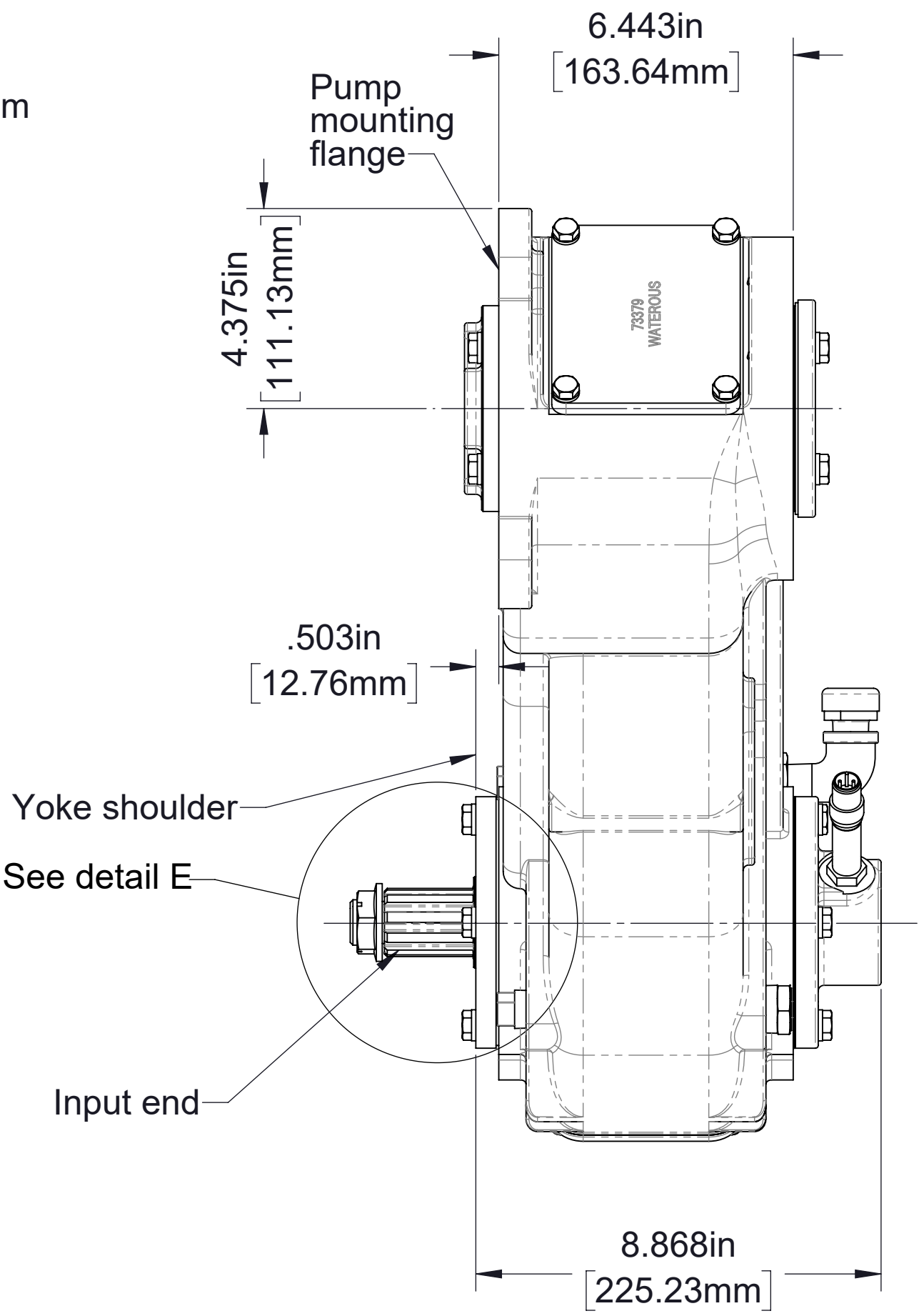
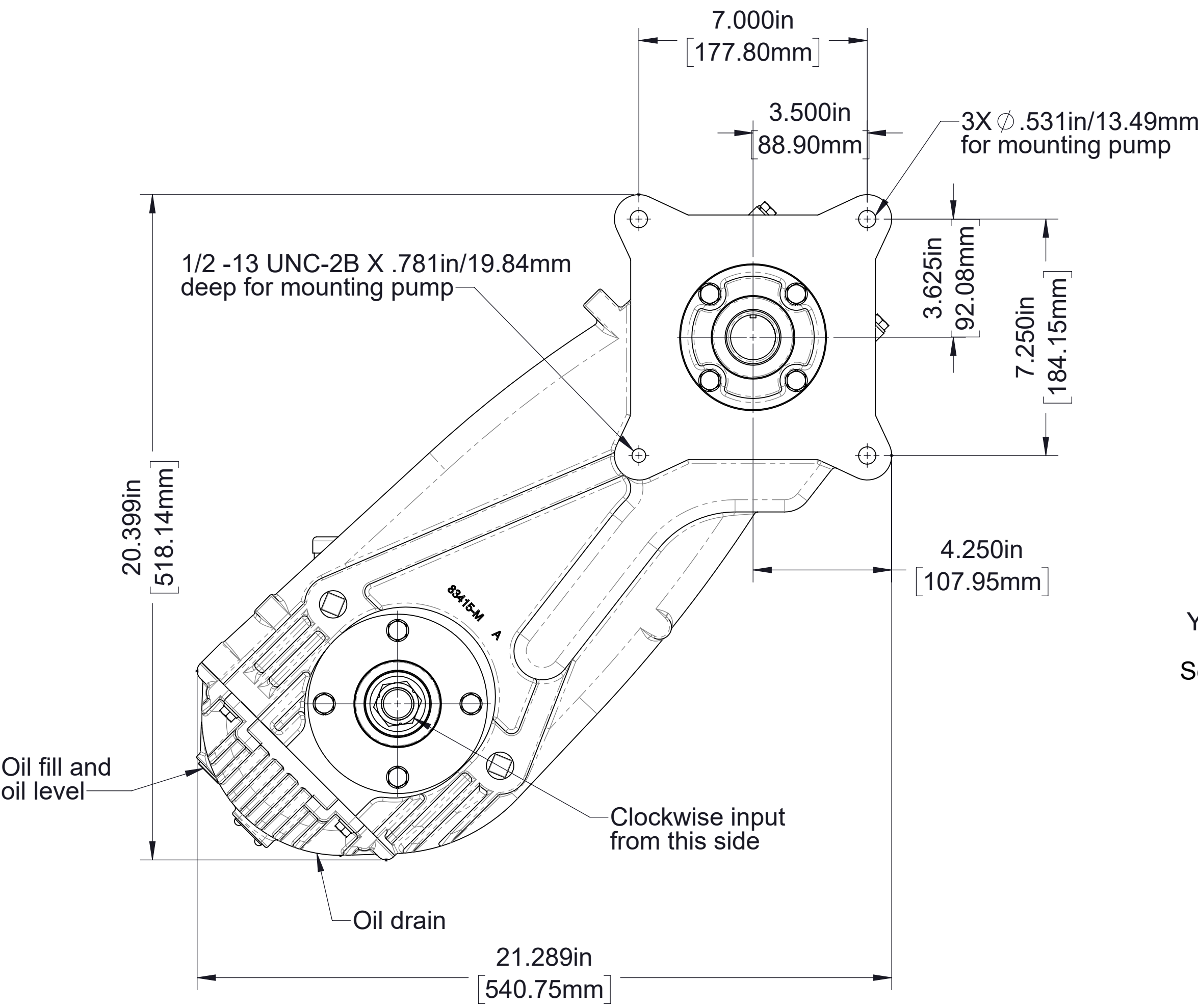
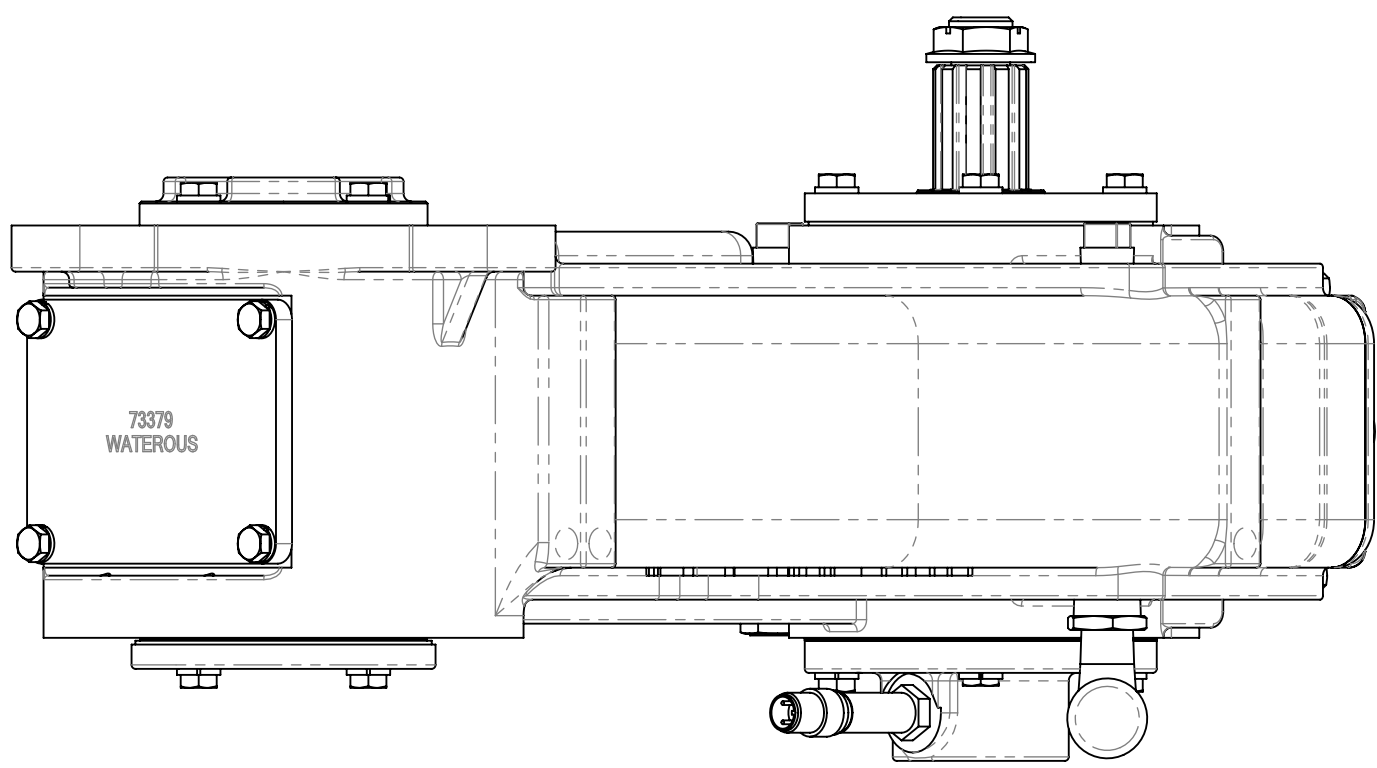


Detail E

**PA Transmission For CM, CS, CG, CL, CX, CM/CPK & CS/CPK Series Pumps**  
P.T.O. Driven, Clockwise Input  
See Table For Available Ratios  
(Model PA 2.10 Ratio Shown)



| Drive Line    |                 | Ratio | Dim A                | Dim B                | Dim C               | Dim D               | Model |
|---------------|-----------------|-------|----------------------|----------------------|---------------------|---------------------|-------|
| Size          | Spline          |       |                      |                      |                     |                     |       |
| 1-1/2<br>Inch | 1-1/2-10<br>SAE | 1.70  | 11.288in<br>286.71mm | 10.943in<br>277.94mm | 6.111in<br>155.22mm | 4.737in<br>120.32mm | PA    |
|               |                 | 1.90  | 11.269in<br>286.24mm | 10.924in<br>277.47mm | 6.130in<br>155.70mm | 4.755in<br>120.79mm |       |
|               |                 | 2.10  | 11.239in<br>285.46mm | 10.894in<br>276.70mm | 6.160in<br>156.46mm | 4.786in<br>121.56mm |       |



Detail E

**PA Transmission For CG, CL, CX Series Pumps**  
Horizontal Mounted, P.T.O. Driven, Clockwise Input  
See Table For Available Ratios  
(Model PA 2.10 Ratio Shown)



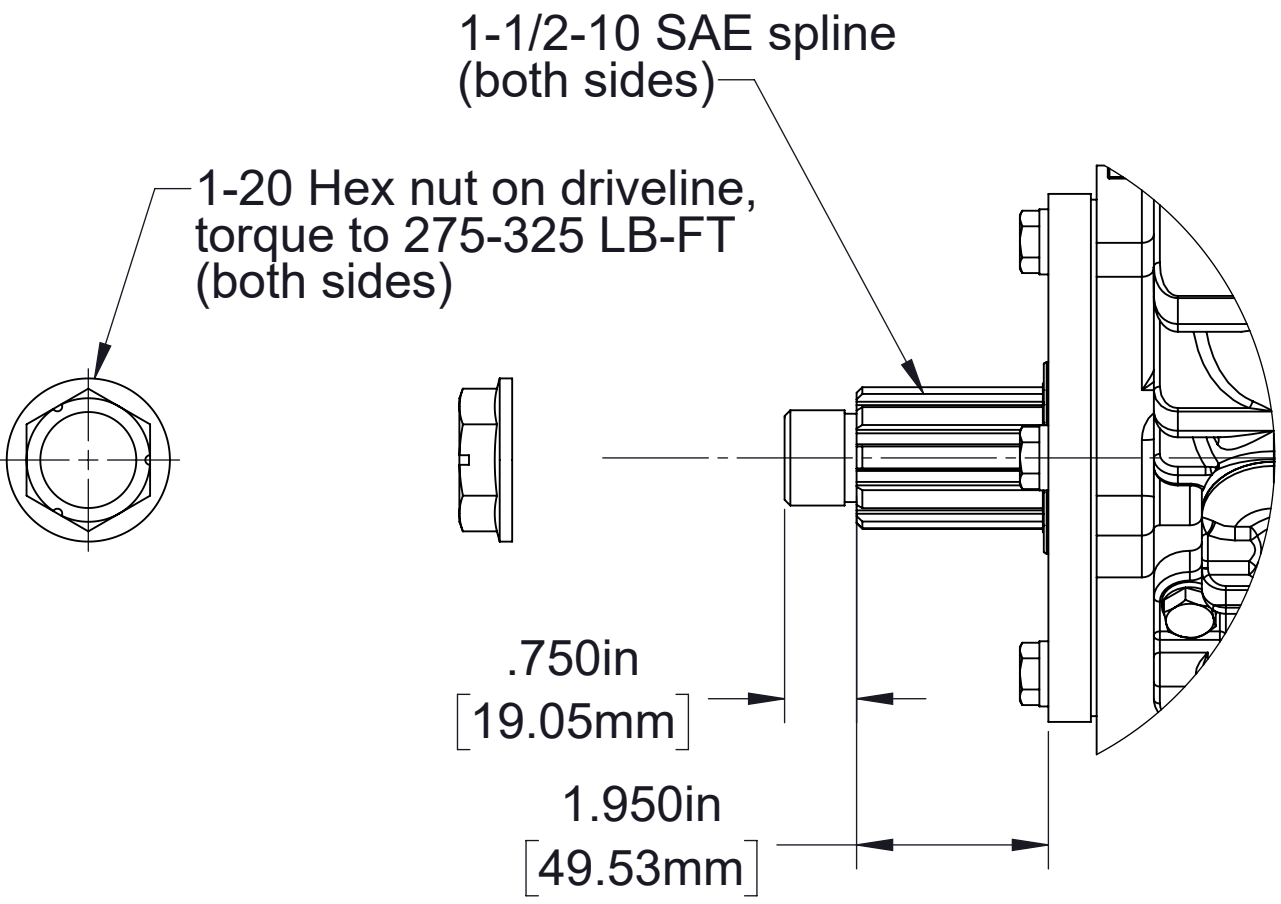
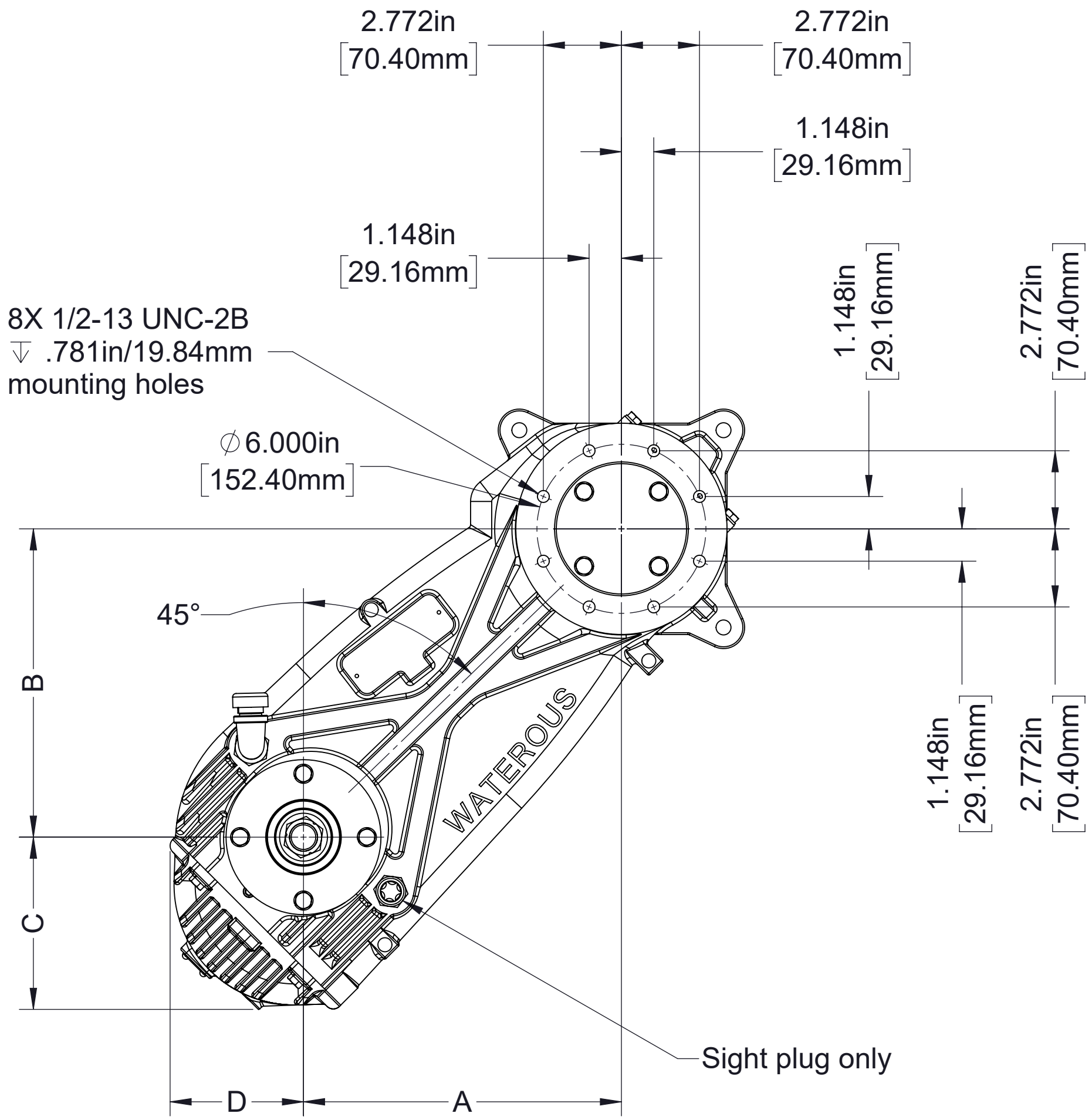
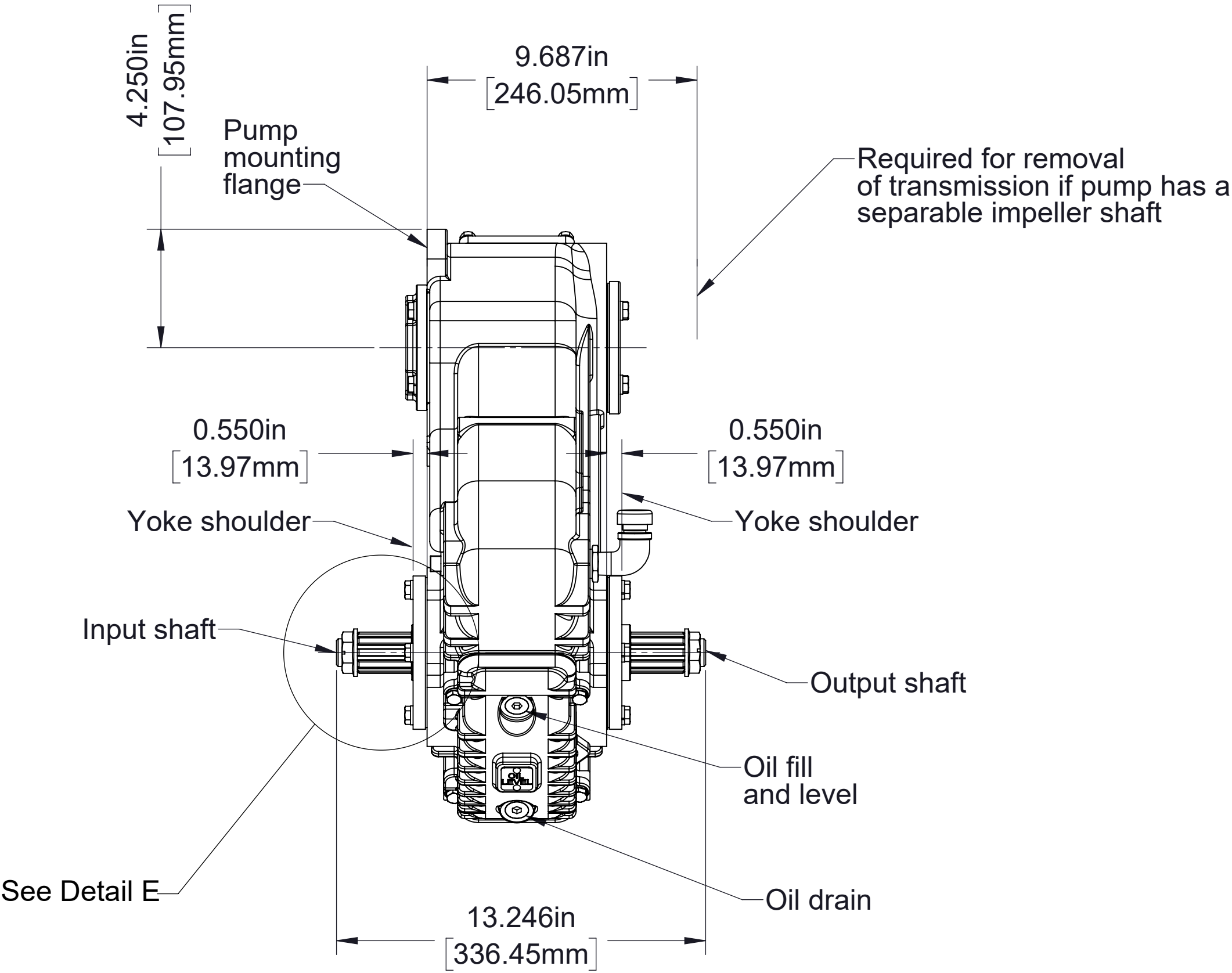
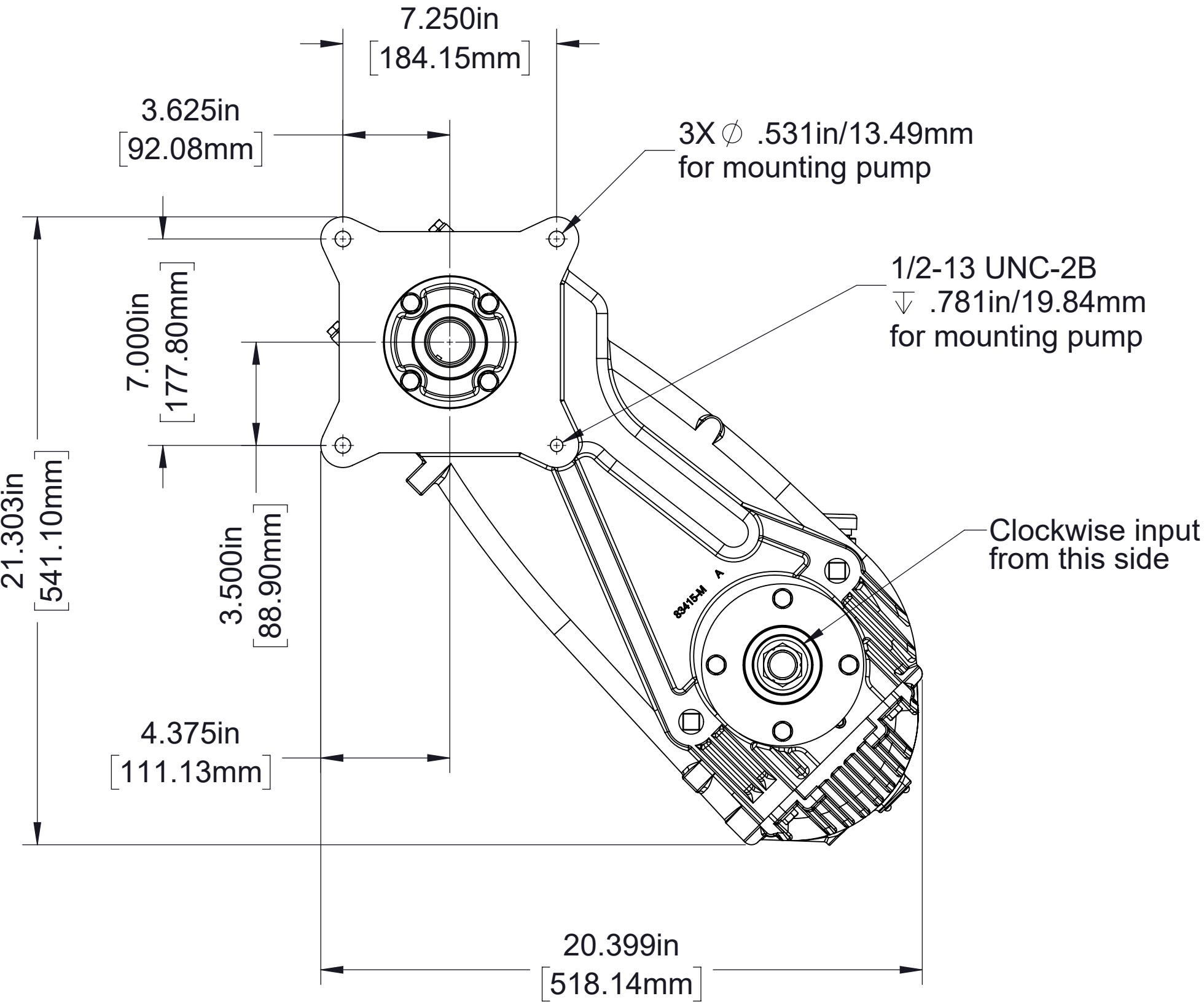
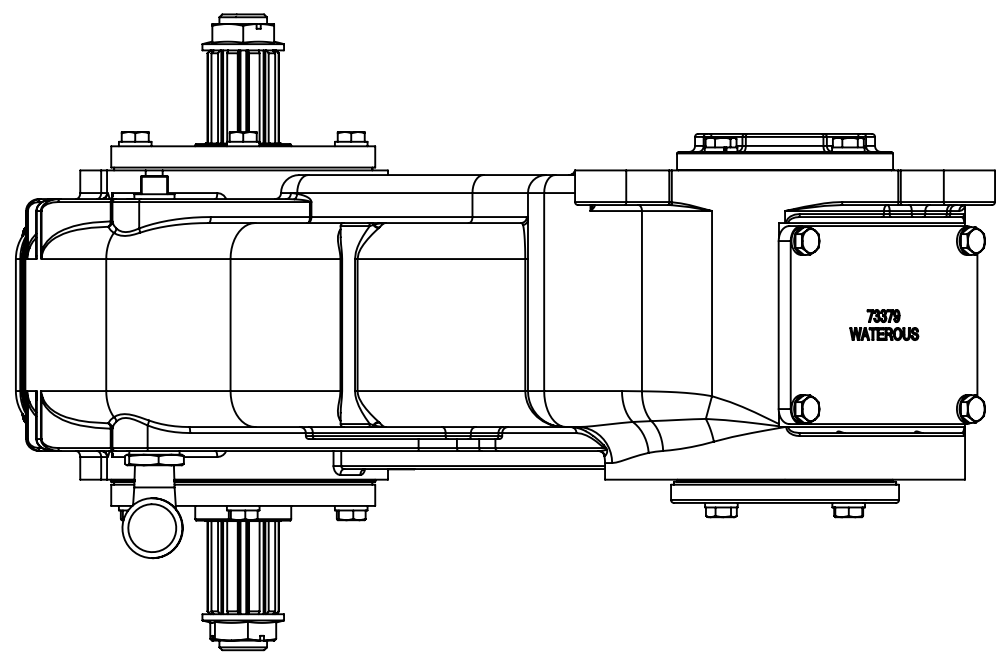








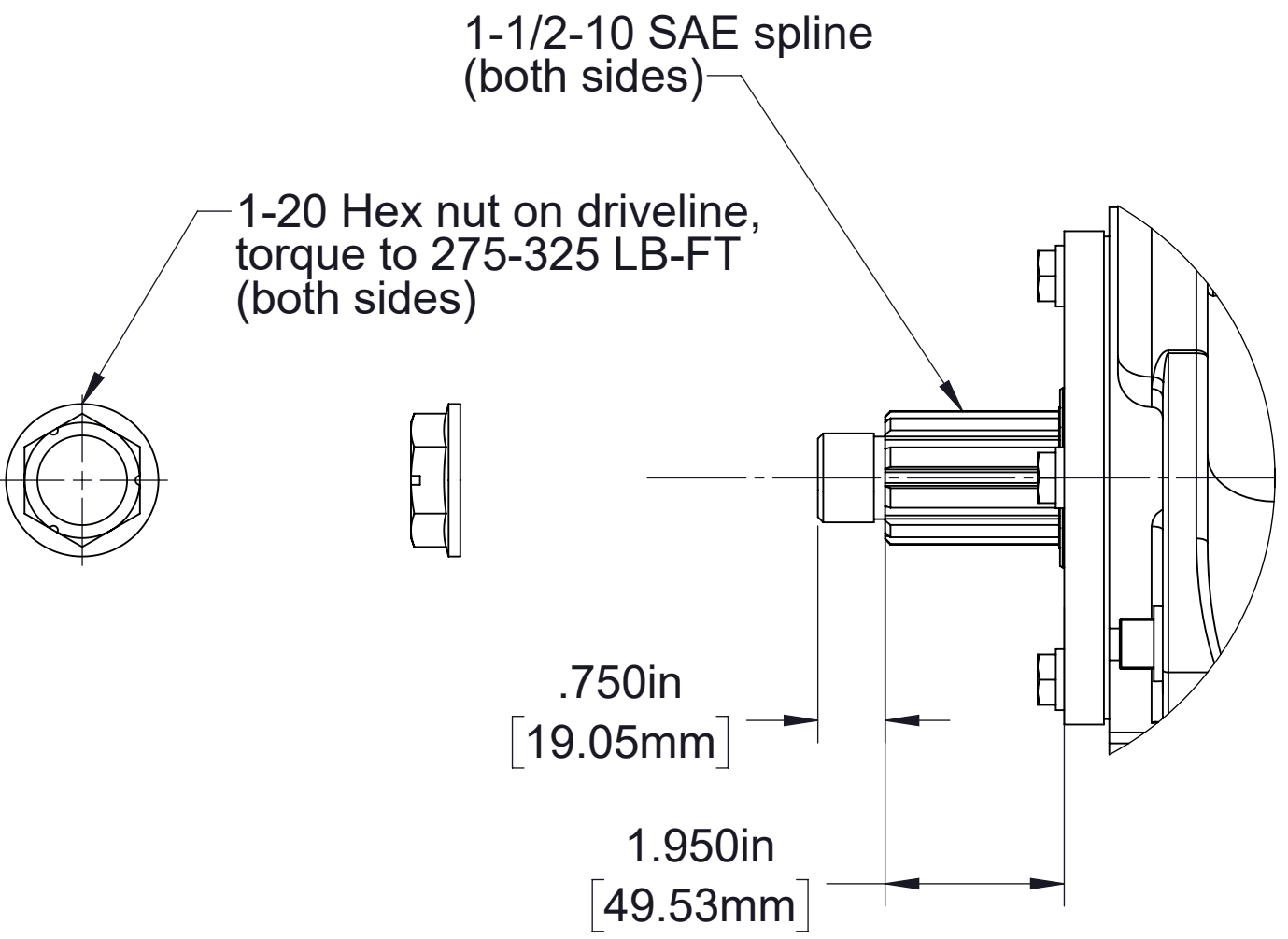
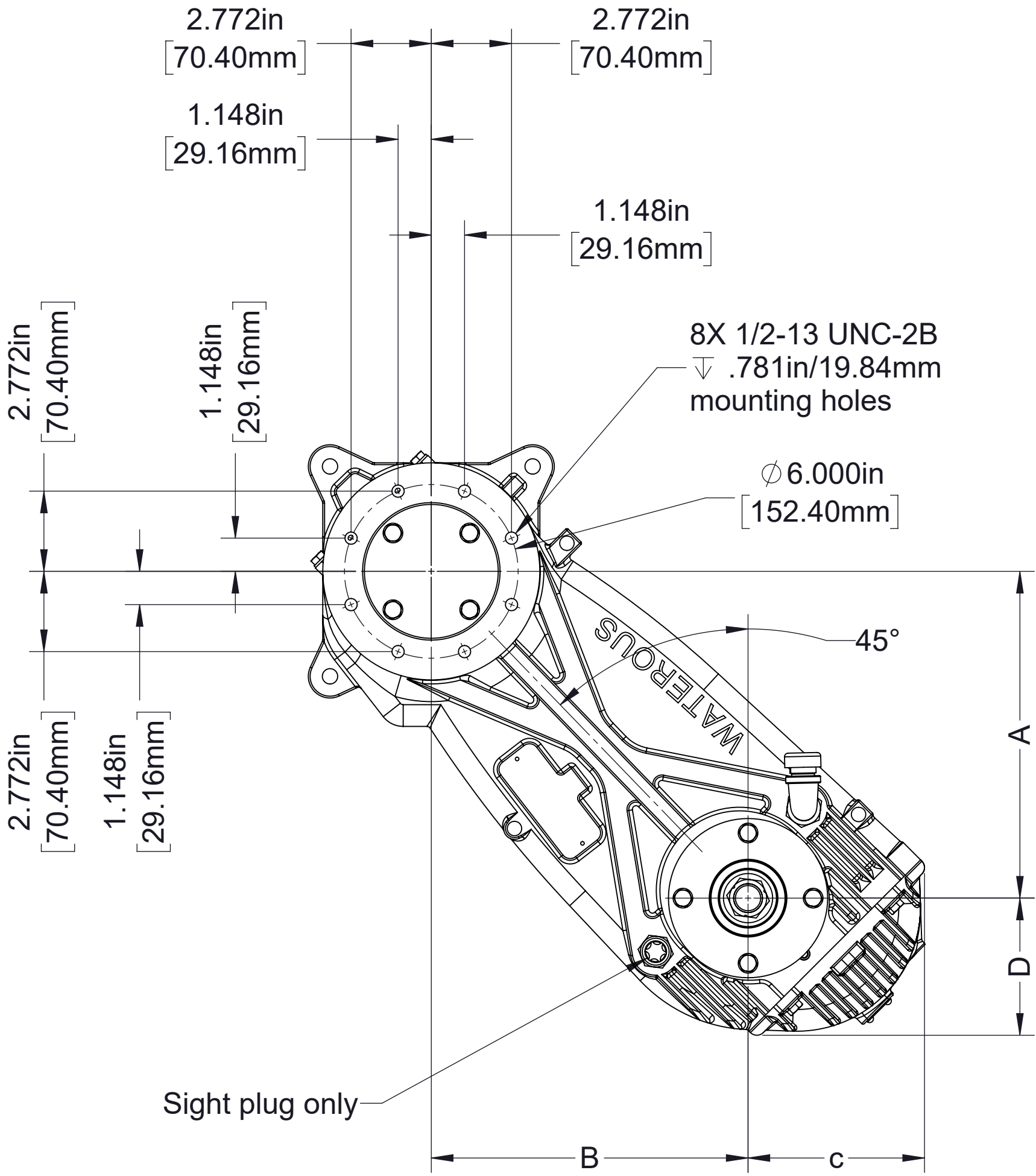
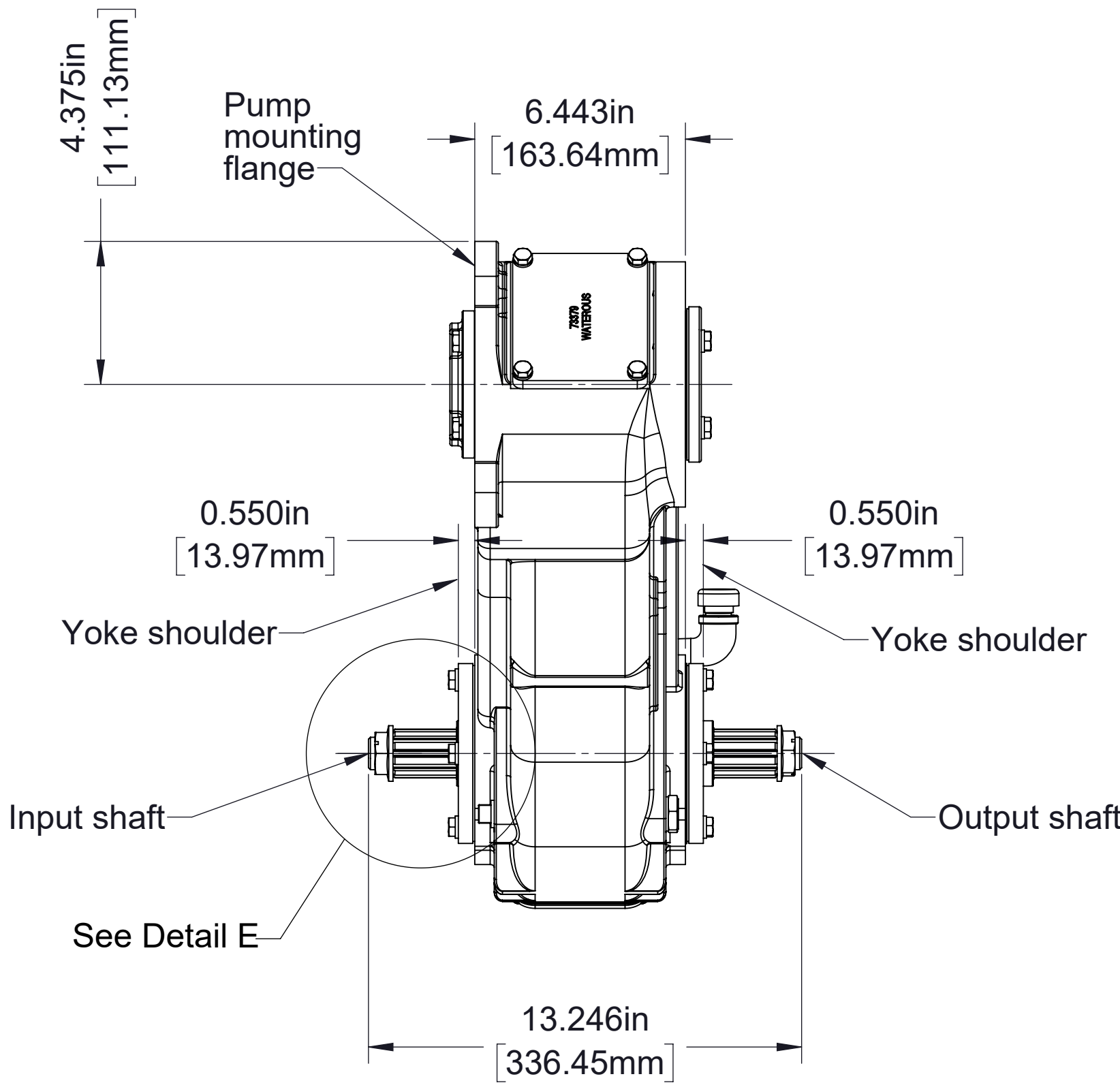
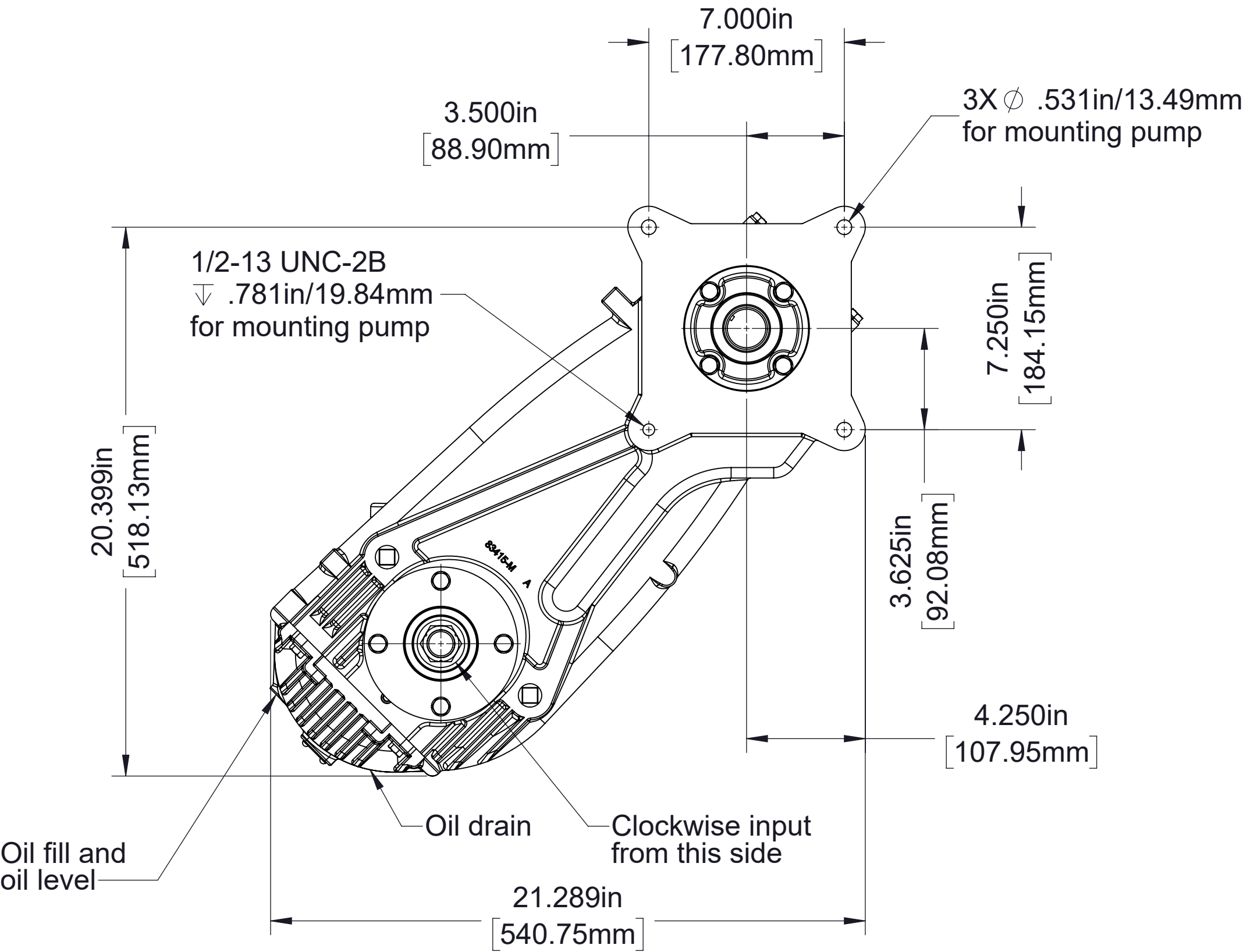
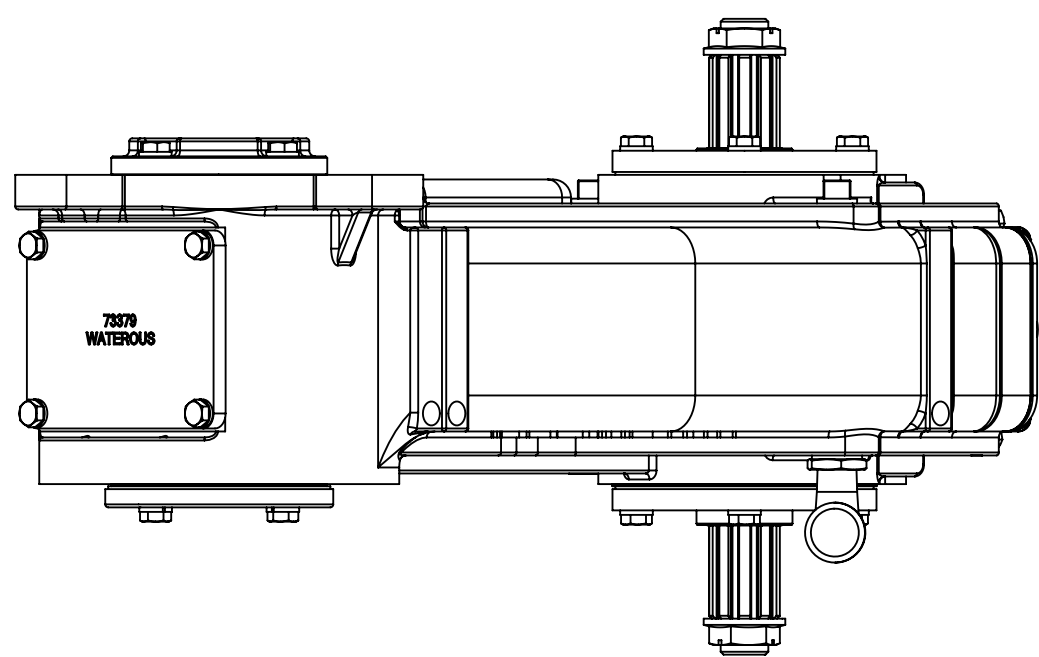
| Drive Line    |                 | Ratio | Dim A                | Dim B                | Dim C               | Dim D               | Model |
|---------------|-----------------|-------|----------------------|----------------------|---------------------|---------------------|-------|
| Size          | Spline          |       |                      |                      |                     |                     |       |
| 1-1/2<br>Inch | 1-1/2-10<br>SAE | 1.70  | 11.288in<br>286.71mm | 10.943in<br>277.94mm | 6.111in<br>155.22mm | 4.737in<br>120.32mm | PA    |
|               |                 | 1.90  | 11.269in<br>286.24mm | 10.924in<br>277.47mm | 6.130in<br>155.70mm | 4.755in<br>120.79mm |       |
|               |                 | 2.10  | 11.239in<br>285.46mm | 10.894in<br>276.70mm | 6.160in<br>156.46mm | 4.786in<br>121.56mm |       |



**PA Transmission For CM, CS, CG, CL, CX, CM/CPK & CS/CPK Series Pumps**  
P.T.O. Driven, Clockwise Input, Input and Output Shaft  
See Table For Available Ratios  
(Model PA 1.70 Ratio Shown)



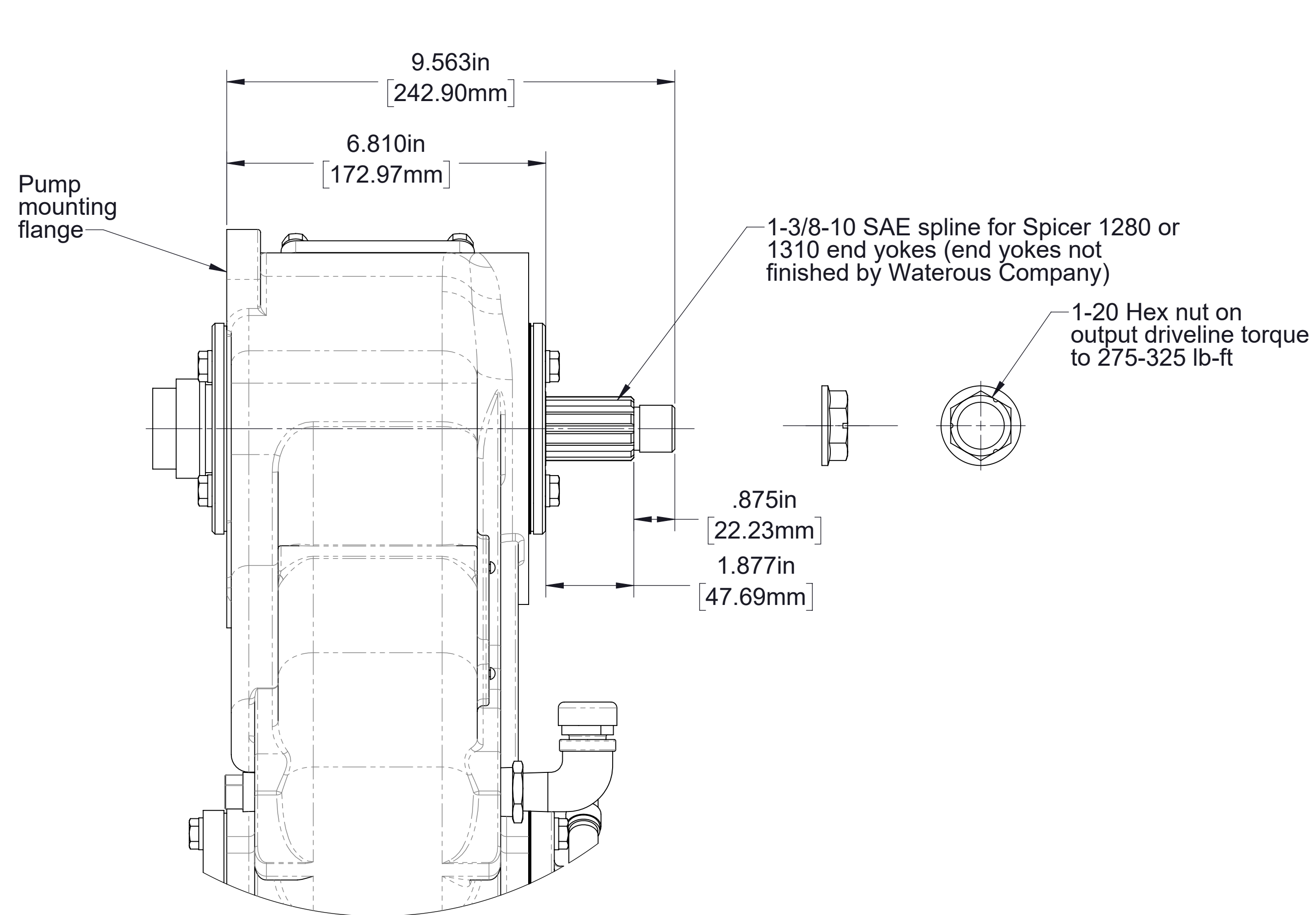
| Drive Line    |                 | Ratio | Dim A                | Dim B                | Dim C               | Dim D               | Model |
|---------------|-----------------|-------|----------------------|----------------------|---------------------|---------------------|-------|
| Size          | Spline          |       |                      |                      |                     |                     |       |
| 1-1/2<br>Inch | 1-1/2-10<br>SAE | 1.70  | 11.288in<br>286.71mm | 10.943in<br>277.94mm | 6.111in<br>155.22mm | 4.737in<br>120.32mm | PA    |
|               |                 | 1.90  | 11.269in<br>286.24mm | 10.924in<br>277.47mm | 6.130in<br>155.70mm | 4.755in<br>120.79mm |       |
|               |                 | 2.10  | 11.239in<br>285.46mm | 10.894in<br>276.70mm | 6.160in<br>156.46mm | 4.786in<br>121.56mm |       |



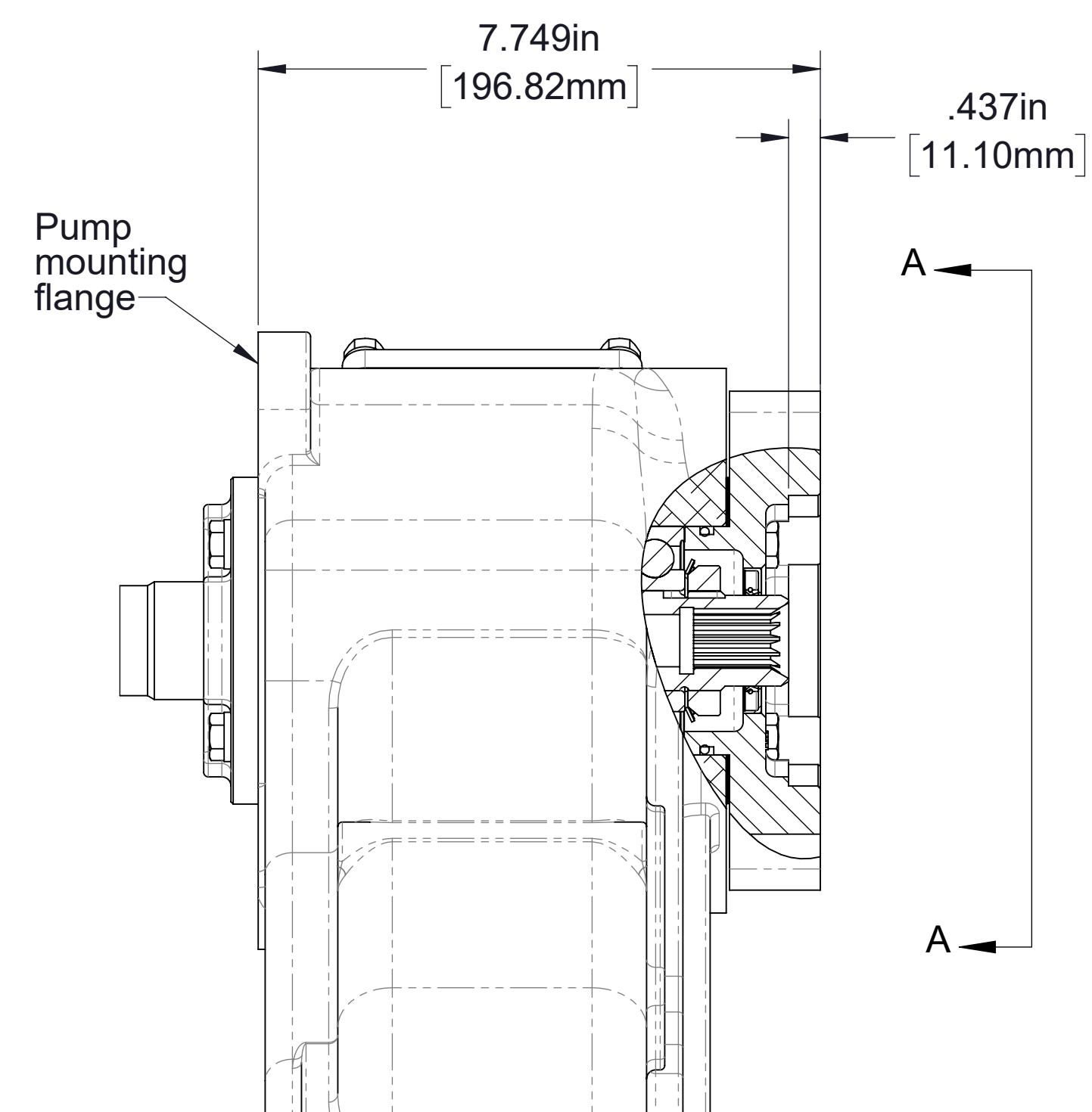
**Detail E**

**PA Transmission For CG, CL, CX Series Pumps**  
Horizontal Mounted, P.T.O. Driven, Clockwise Input, Input and Output Shaft  
See Table For Available Ratios  
(Model PA 1.70 Ratio Shown)

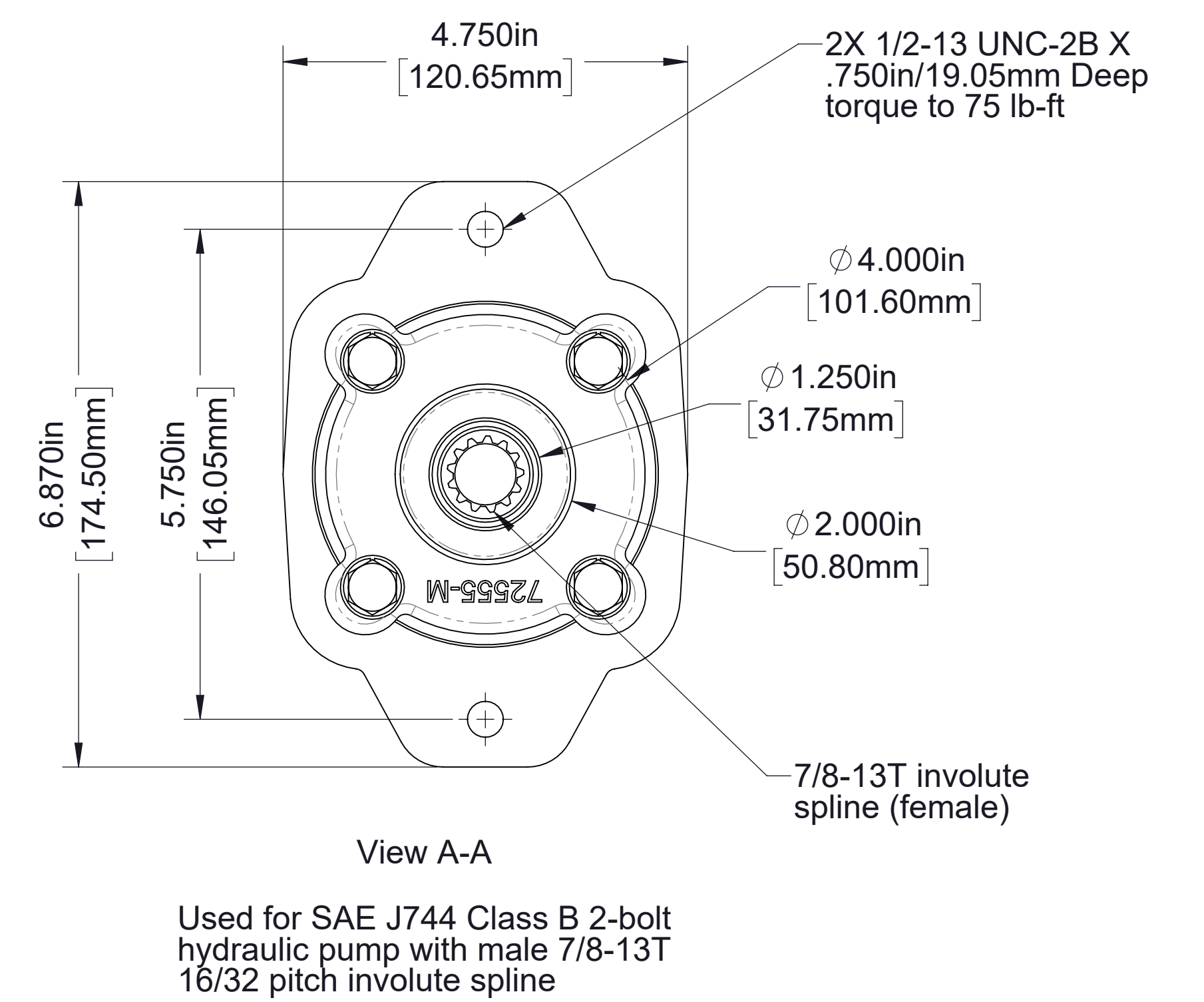




1-3/8-10 SAE Spline

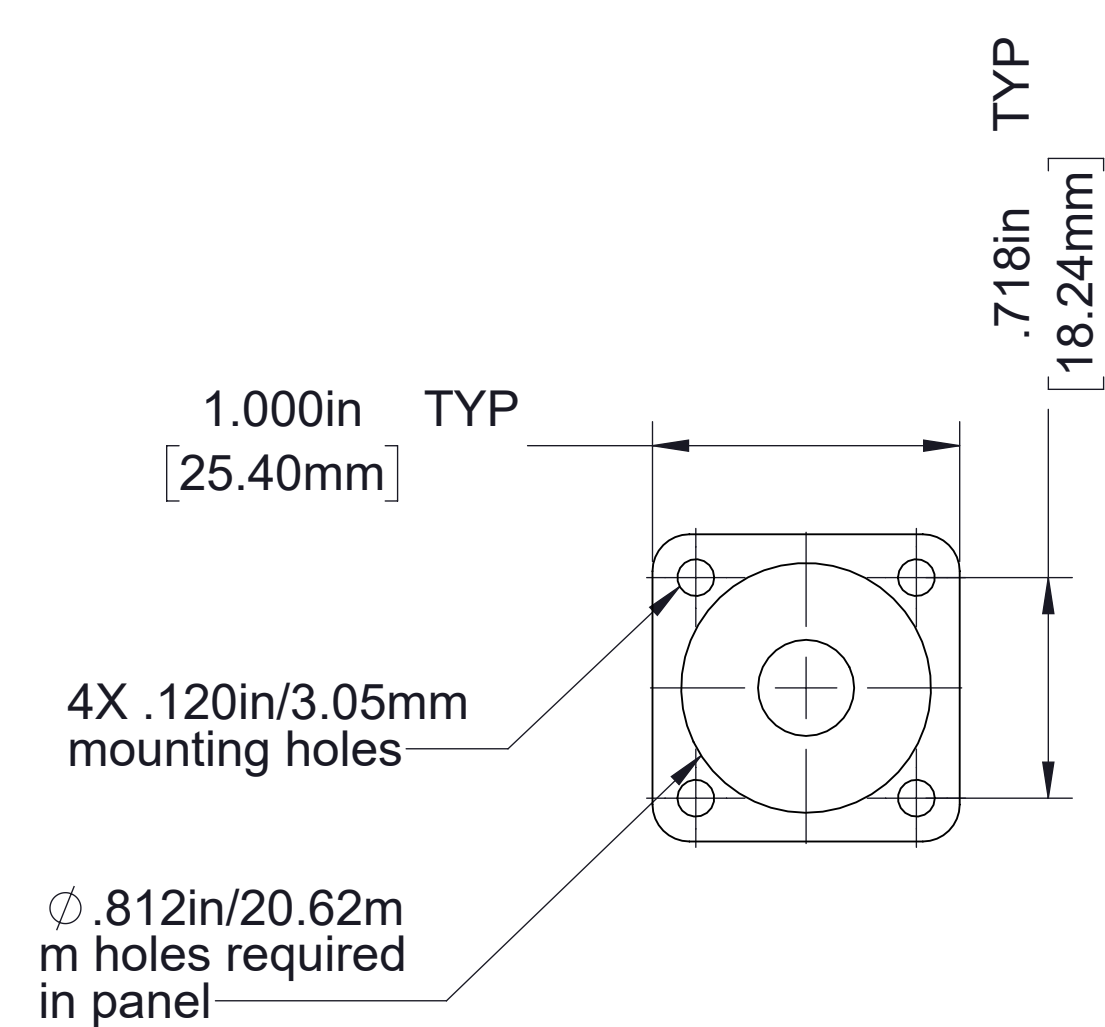
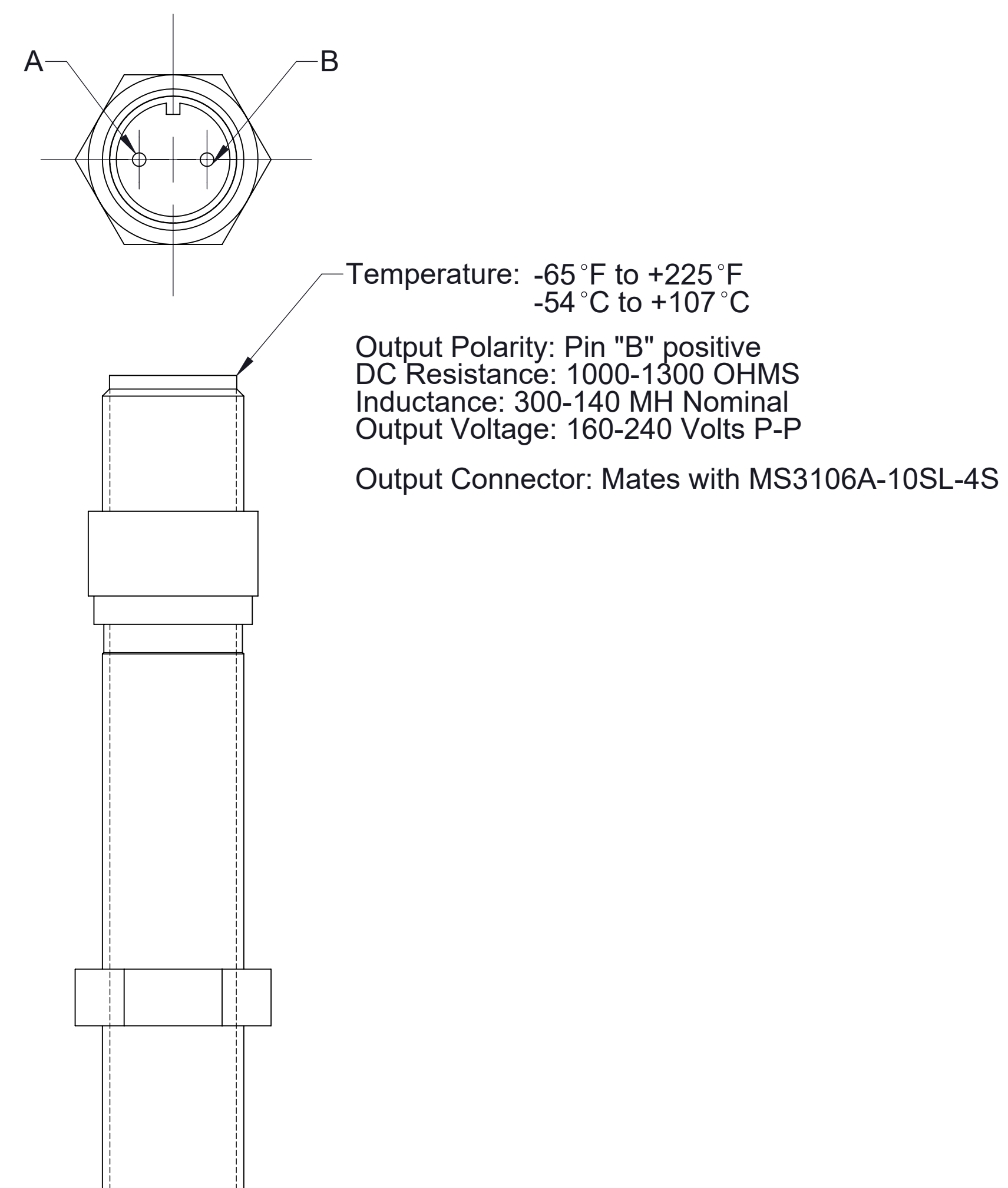


Hydraulic Pump Adapter Flange

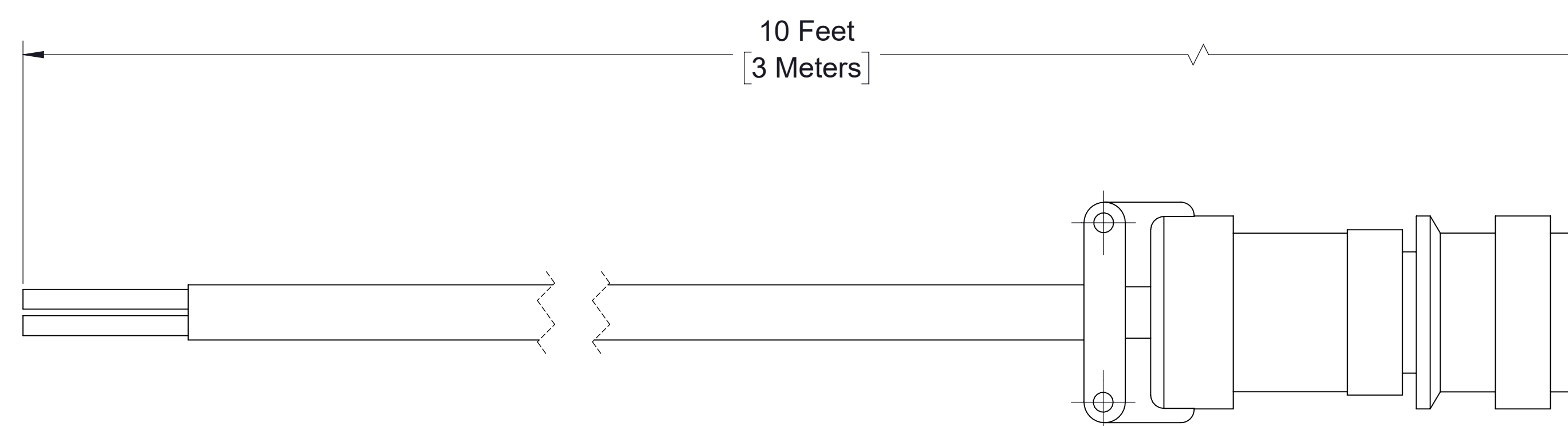


## Optional Rear Facing Output Shafts

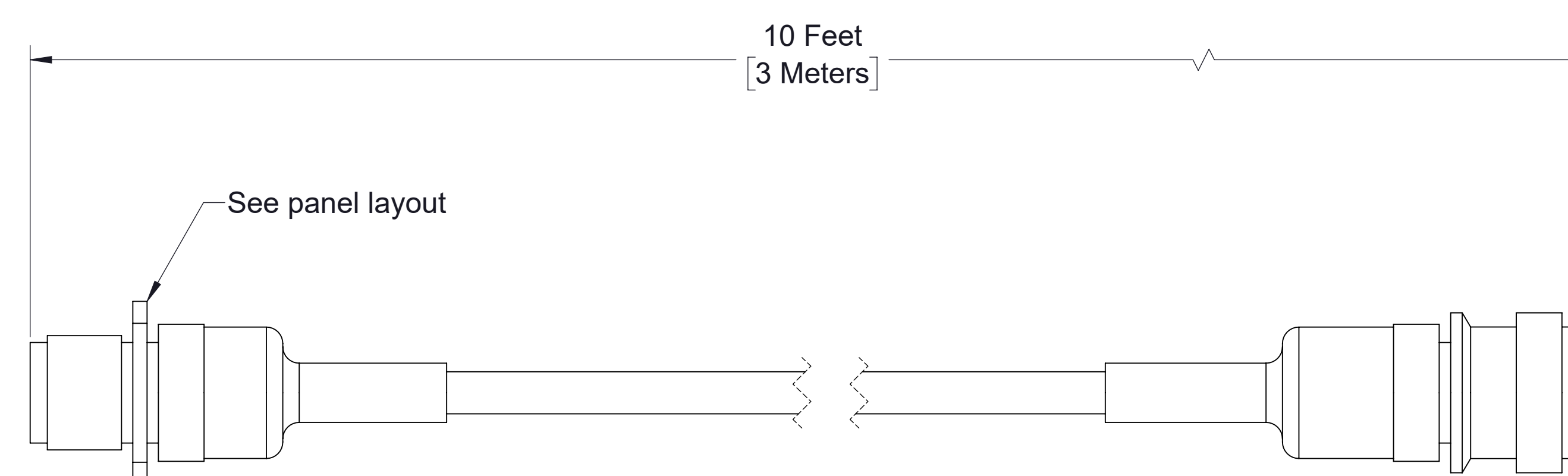
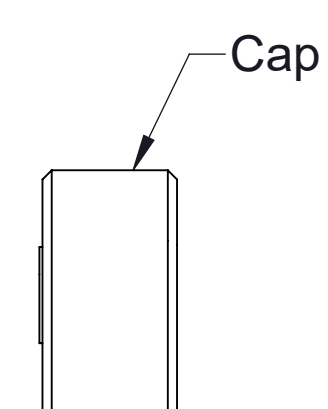




Panel Layout



Order Part No. V 3398



Order Part No. 63033

## Optional Cables

## Tachometer