

OPTIONS: ANGLE RISERS, MODEL QED-D

Optional 10° angle risers are available for QED-D mixer drives. Mount angle risers such that the motor end is down. Reference *Figure 1, page 2* of this supplement.

Assemble angle risers [801 & 802] to gear drive [200]. Install mounting bolts [803], with flatwashers, lockwashers and hex nuts [804, 805, & 806]. Torque bolts to the value shown in *Table 8, page 17, Manual 514*.

Install the mixer drive to the support structure using customer supplied fastener set.

Table 1: Angle Riser Mounting Dimensions - inch, (mm)

Model	G	H	J	K	L
1QED-D	3.75 (95.3)	6.31 (160.3)	.75 (19.1)	14.62 (371.3)	11.00 (279.4)
2QED-D	3.75 (95.3)	6.62 (168.1)	.75 (19.1)	15.25 (387.4)	11.00 (279.4)
3QED-D	3.75 (95.3)	8.00 (203.2)	.75 (19.1)	18.00 (457.2)	11.00 (279.4)

Table 2: Off Center Mounting Dimensions - inch, (mm)

Shaft Extension Range	X	Minimum Tank Diameter
38-53 (965-1346)	7.5 (191)	22 (559)
54-76 (1372-1930)	10.75 (273)	32 (813)
77-110 (1956-2794)	15.5 (394)	46 (1168)
111-158 (2819-4013)	22.5 (572)	66 (1676)
159-227 (4039-5766)	32 (813)	96 (2438)

ANGLE RISER PART NUMBERS

Part#	Description	Qty.
800	angle riser assembly	1
801-001	right hand angle riser	1
802-001	left hand angle riser	1
803-001	bolt, 1/2" x 13 x 2.00, (1,2QED)	4
-002	bolt, 5/8" x 11 x 2.25 (3QED)	4
804-001	flatwasher, 1/2", (1,2QED)	4
-002	flatwasher, 5/8", (3QED)	4
805-001	lockwasher, 1/2", (1,2QED)	4
-002	lockwasher, 5/8", (3QED)	4
806-001	hex nut, 1/2" x 13, (1,2QED)	4
-002	hex nut, 5/8" x 11, (3QED)	4

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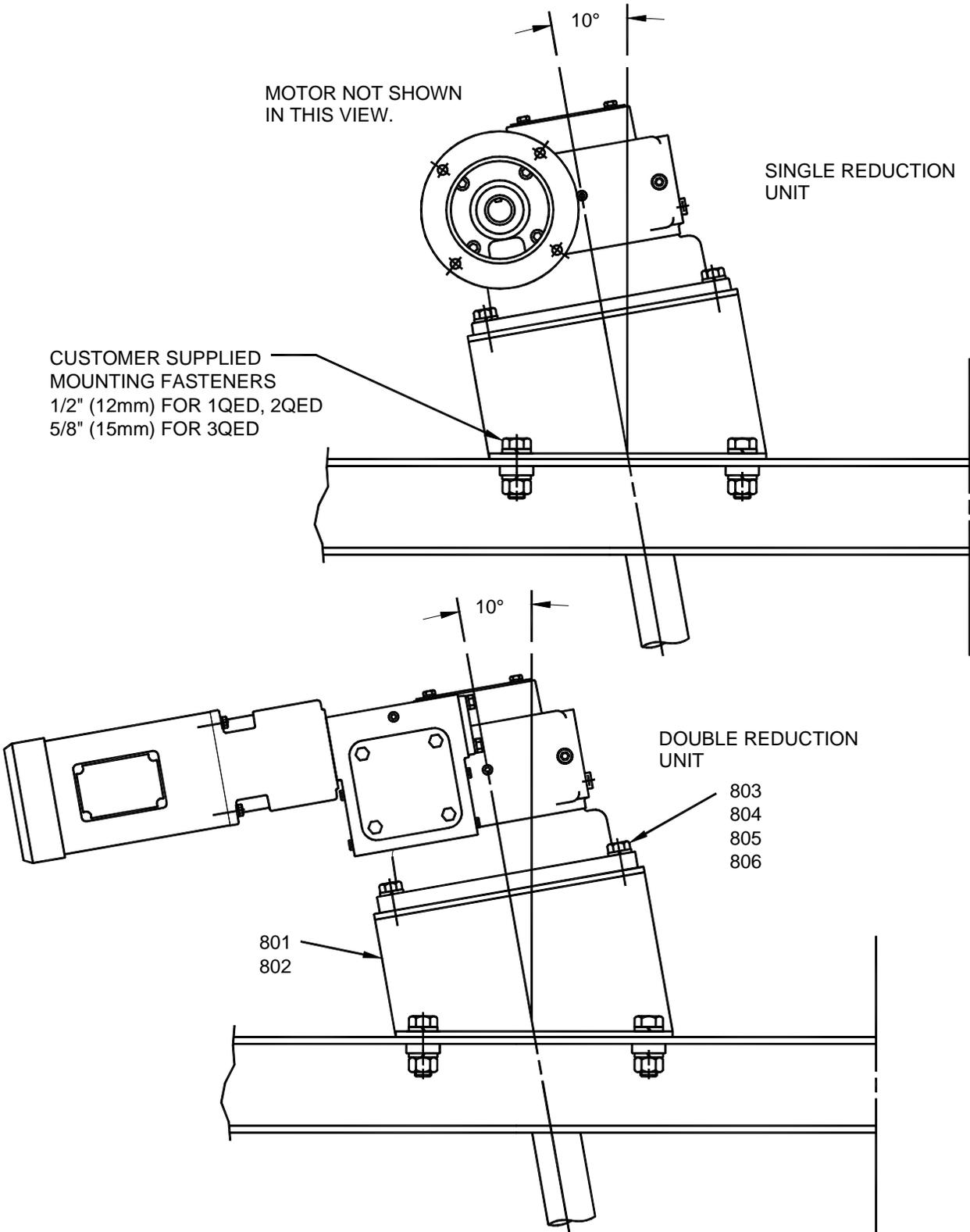


Figure 1: Angle Riser Mounting

OPTIONS: ANGLE RISERS, MODEL QED-D

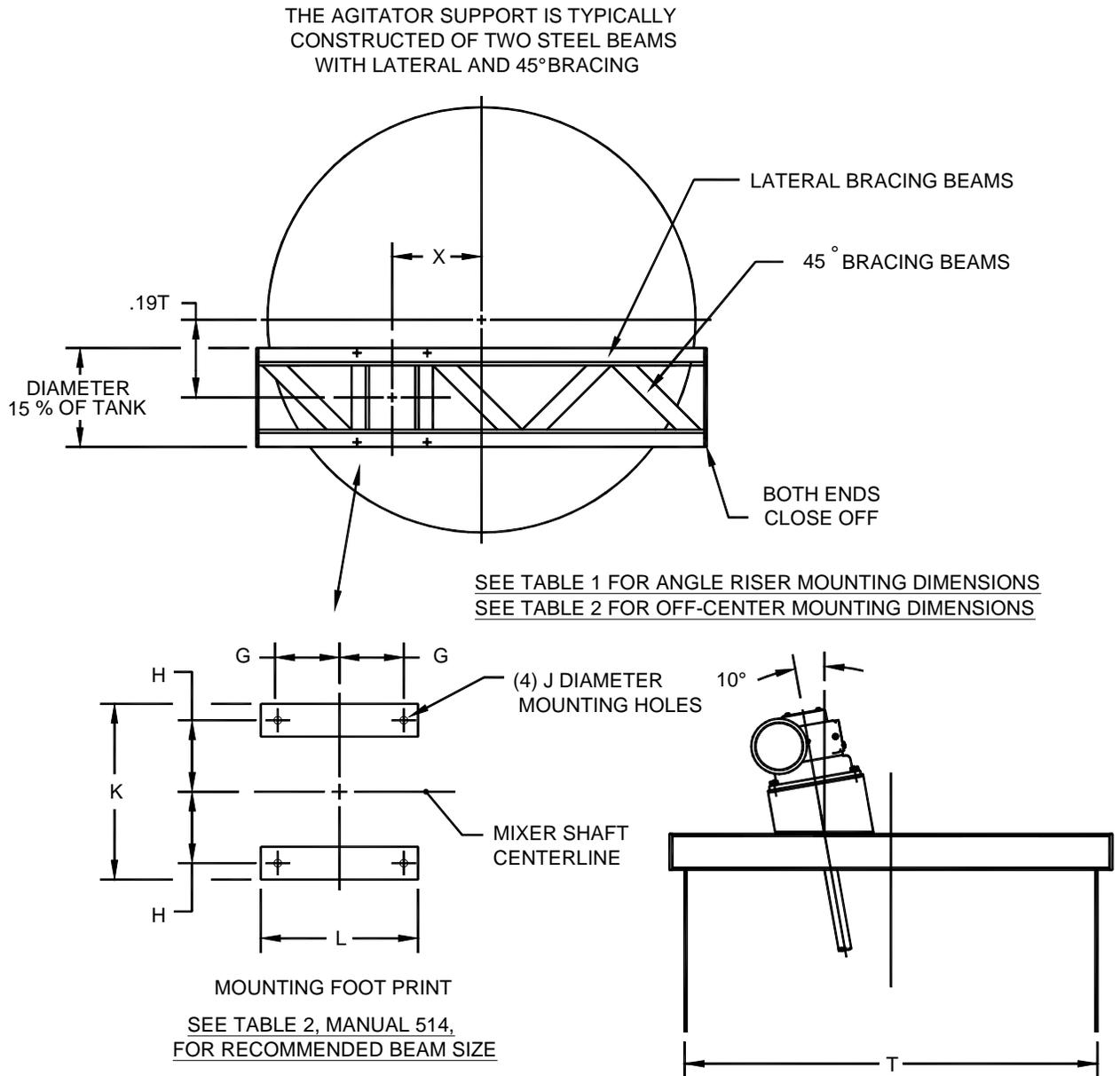


Figure 2: Angle Riser Mounting – Orientation

OPTIONS: ANGLE MOUNTED DRIVE, MODELS QED-A & QED-L

The QED-A and QED-L mixer drives may be angle mounted. Reference *Figure 4, page 6* of this supplement.

NOTE: Angle mounted units must be assembled in a vertical position, prior to installation on the vessel. The standard assembly and disassembly instructions in *Manual 514* cannot be used. The addition of an optional removable in-tank coupling will facilitate assembly (*see page 24, Manual 514*).

Install the assembled mixer drive onto the vessel nozzle using gasket and fastener set furnished by customer (on stud mounted units, studs **[1258]** are supplied). Torque bolts to the value shown in *Table 8, page 17, Manual 514*.

OPTIONS: ANGLE MOUNTED DRIVE, MODELS QED-A & QED-L

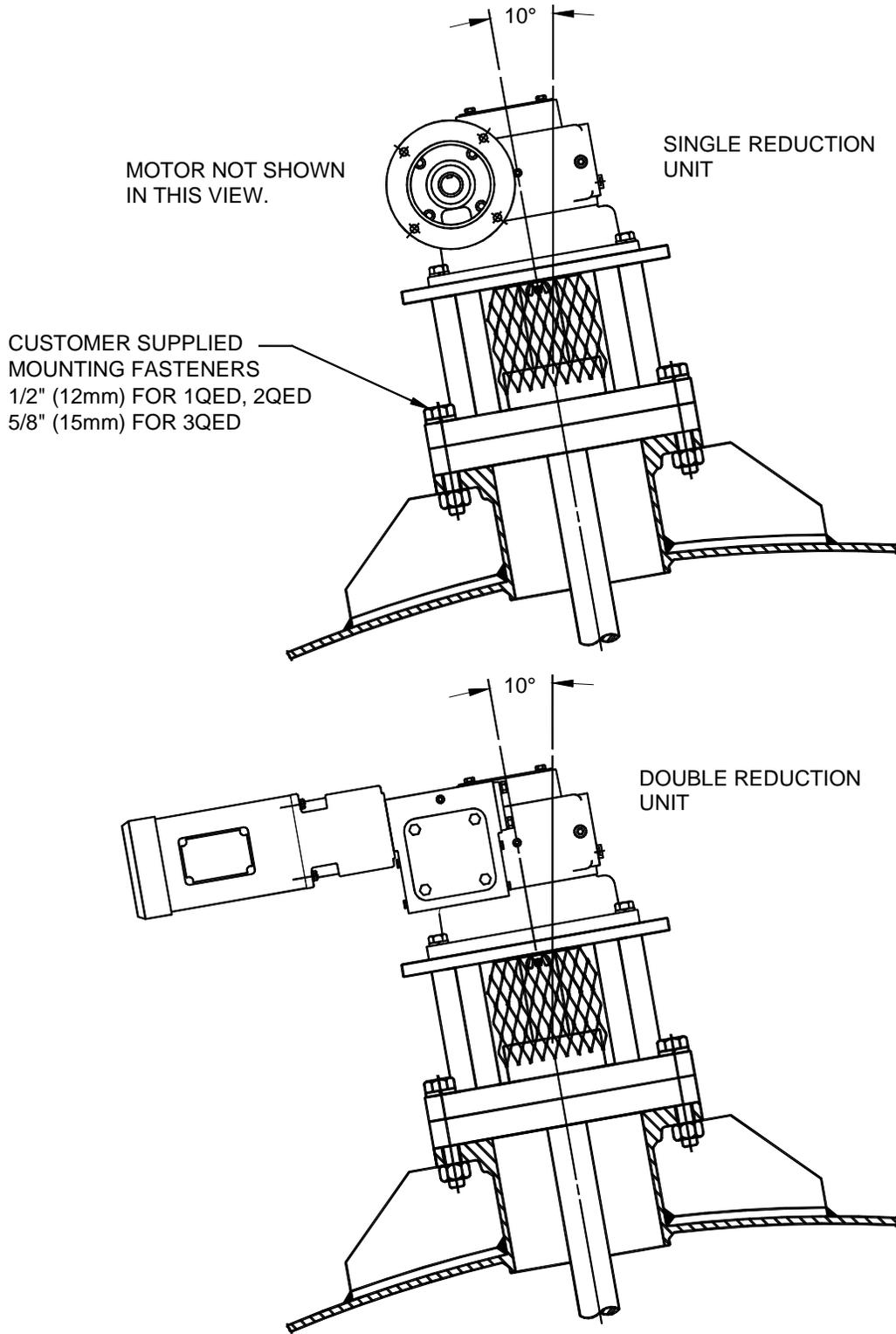
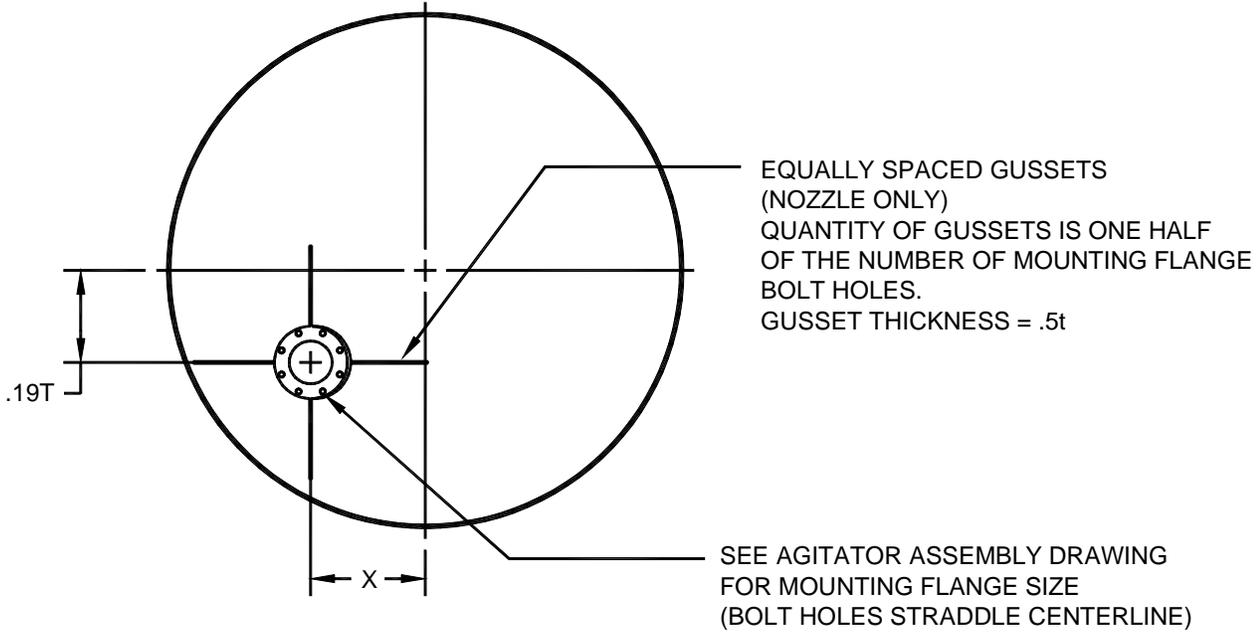


Figure 3: Closed Tank Angle Mounting

OPTIONS: ANGLE MOUNTED DRIVE, MODELS QED-A & QED-L



SEE FIGURE 4 AND TABLE 5,
MANUAL 514, FOR NOZZLE
HEIGHT AND GUSSET
DIMENSIONS.

SEE TABLE 2 FOR OFF-CENTER MOUNTING DIMENSIONS

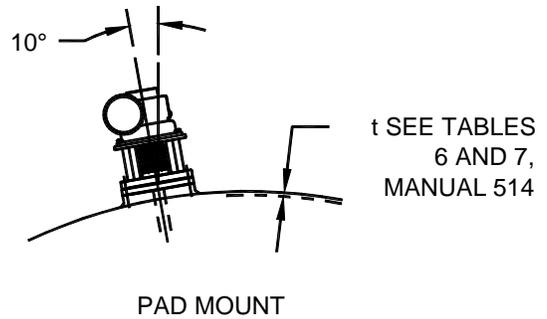
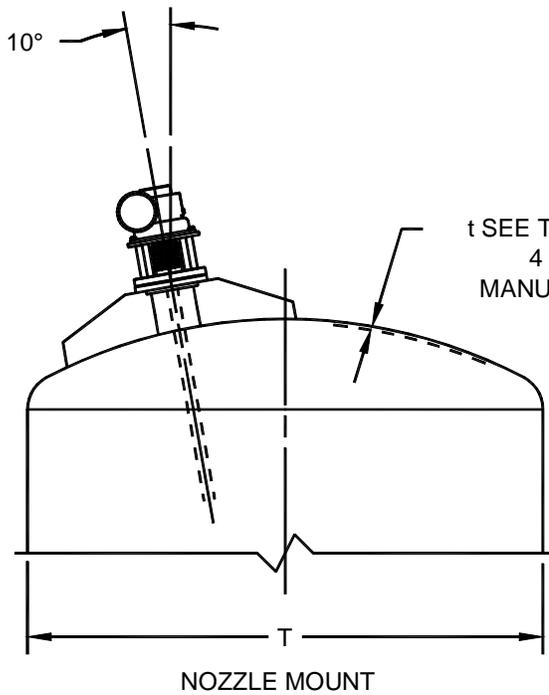


Figure 4: Closed Tank Angle Mounting - Orientation