

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.

Assemble angle risers [801 & 802] to gear drive [200]. Install mounting bolts [803], with flatwashers, lockwashers and hex nuts [804, 805, & 806]. Torque ½ inch bolts to 38 ft-lb (51 N-m); 5/8 inch bolts to 68 ft-lb (92 N-m).

Install the mixer drive to the support structure using customer supplied fastener set. See *Table 1 page 3, Manual 510* for recommended beam size and *Figure 1.2, page 2* for structural arrangement.

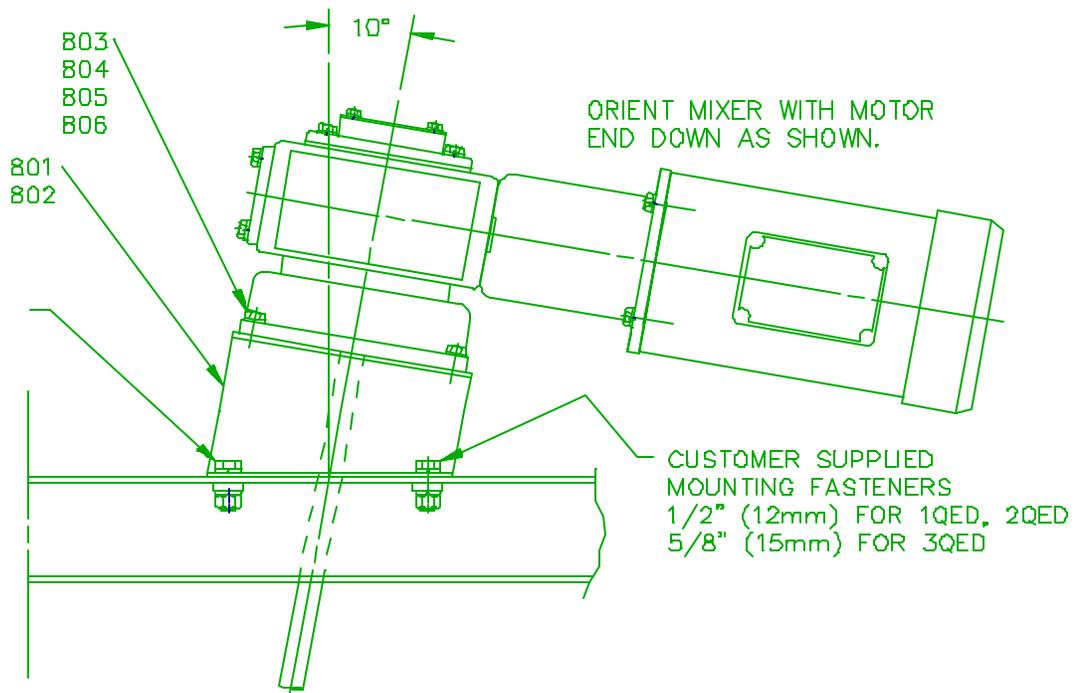
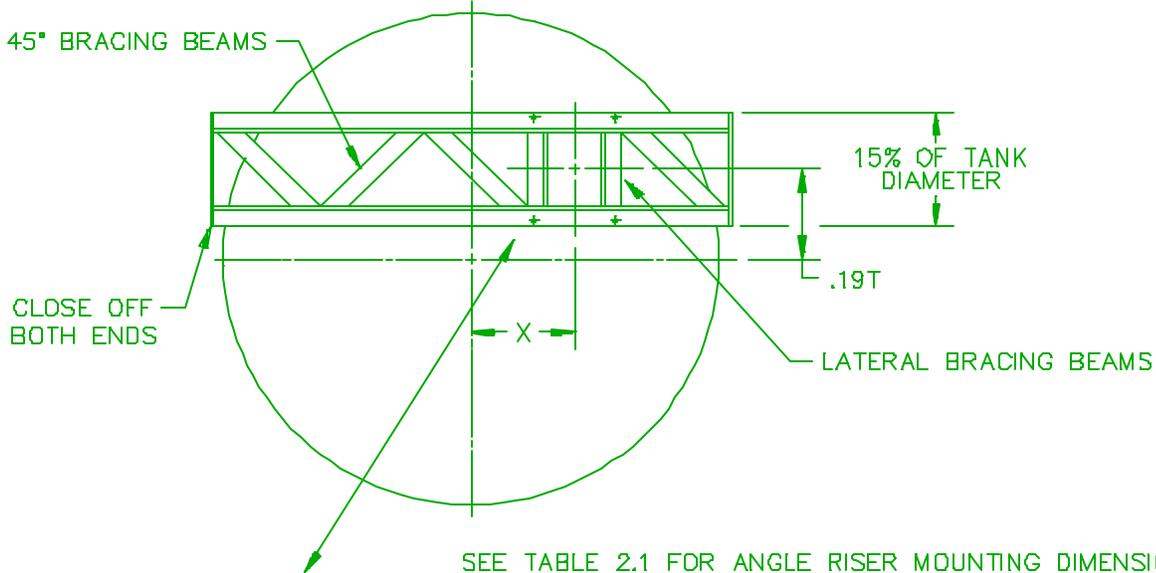


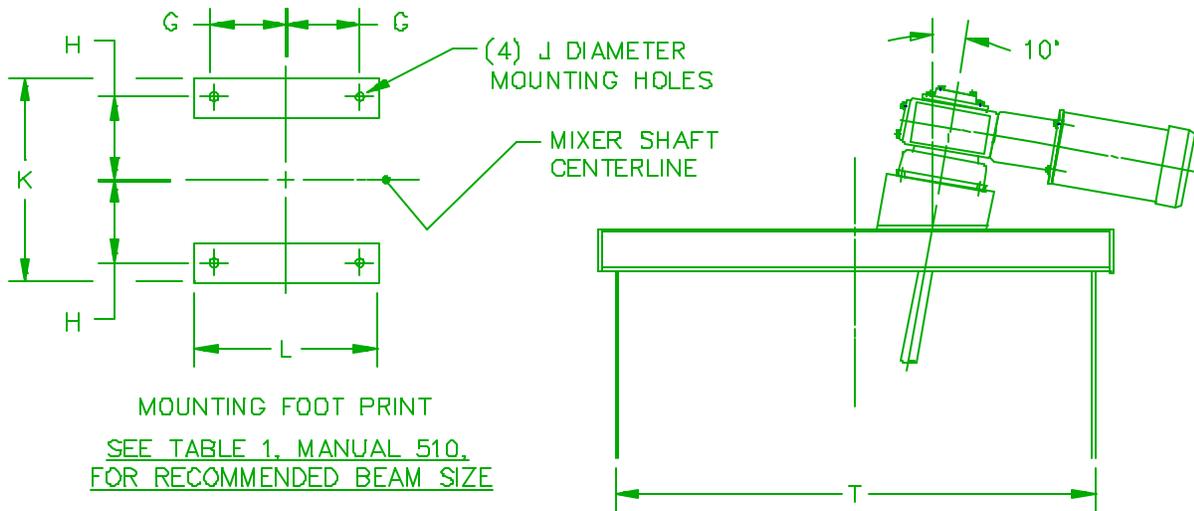
Figure 1.1: Angle Riser Mounting

**ALTERNATE ANGLE RISER MOUNTING, MODEL QED-D
OPEN TANK**

THE AGITATOR SUPPORT IS TYPICALLY
CONSTRUCTED OF TWO STEEL BEAMS
WITH LATERAL AND 45° BRACING



SEE TABLE 2.1 FOR ANGLE RISER MOUNTING DIMENSIONS
SEE TABLE 4.1 FOR OFF-CENTER MOUNTING DIMENSIONS



MOUNTING FOOT PRINT
SEE TABLE 1, MANUAL 510,
FOR RECOMMENDED BEAM SIZE

Figure 1.2: Angle Riser Mounting

ALTERNATE ANGLE RISER MOUNTING, MODEL QED-D**Table 2.1: 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 4.1: 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)

ALTERNATE ANGLE MOUNTED DRIVE, MODELS QED-A & QED-L

The QED-A and QED-L mixer drives may be angle mounted. See *Figure 1.4, page 5, Manual 512*, for mixer nozzle location. See *Mounting (on Vessel) pages 3 through 6, Manual 512*, for structural requirements.

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 512* cannot be used. The addition of an optional removable in-tank coupling will facilitate assembly (*see page 17, Manual 512*).

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 1/2 inch bolts to 38 ft-lb (51 N-m); 5/8 inch bolts to 68 ft-lb (92 N-m).

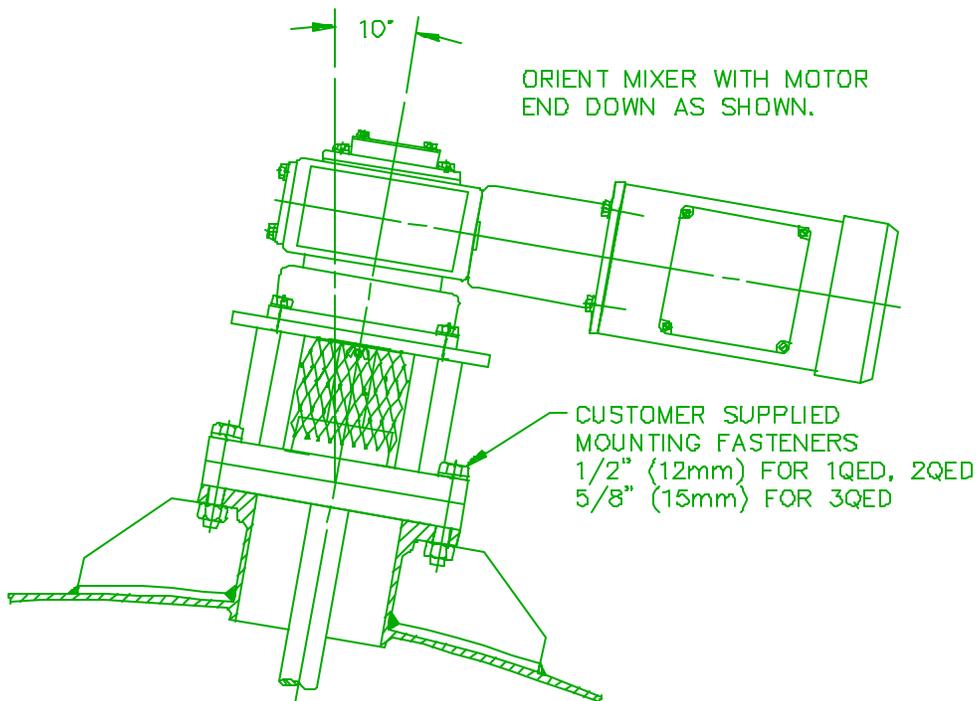
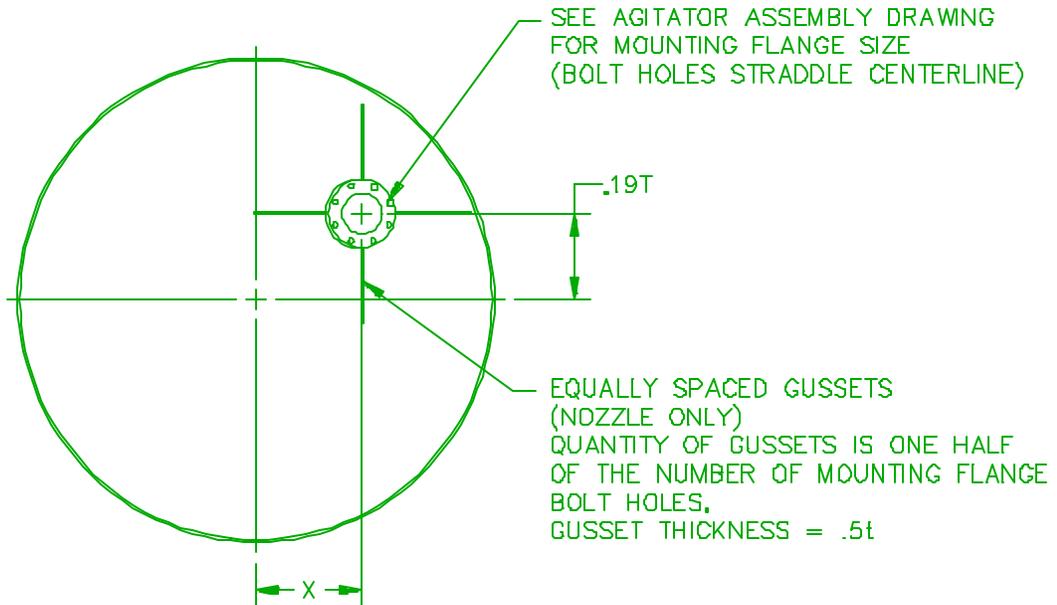


Figure 1.3: Angle Mounting

**ALTERNATE ANGLE MOUNTED DRIVE, MODELS QED-A & QED-L
NOZZLE MOUNT**



SEE FIGURE 2 AND TABLE 2, MANUAL 512, FOR NOZZLE HEIGHT AND GUSSET DIMENSIONS,

SEE TABLE 4.1 FOR OFF-CENTER MOUNTING DIMENSIONS

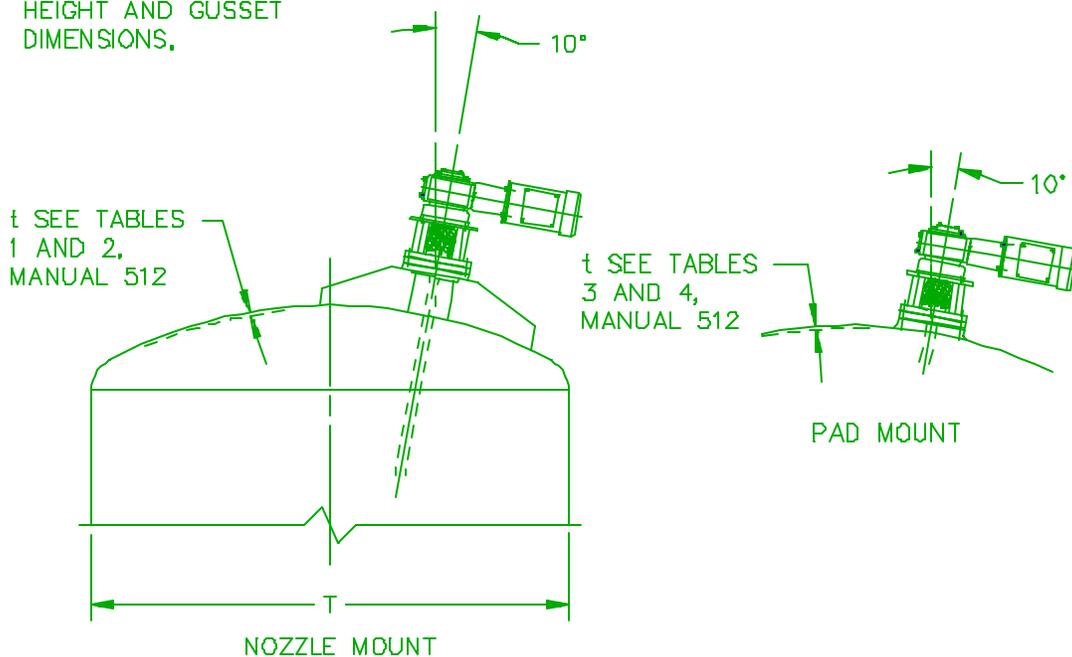


Figure 1.4: Angle Mounting

QED AGITATOR PART NUMBERS

Part#	Description	Qty.
Angle Risers		
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

SPARE PARTS

1. **COMPLETE ANGLE RISER KIT** - includes angle risers, gearbox mounting fasteners.