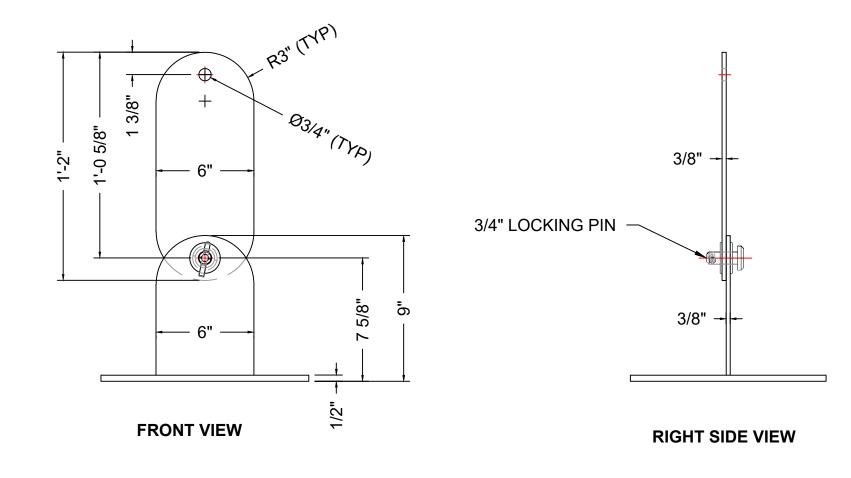
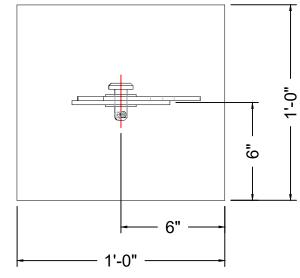
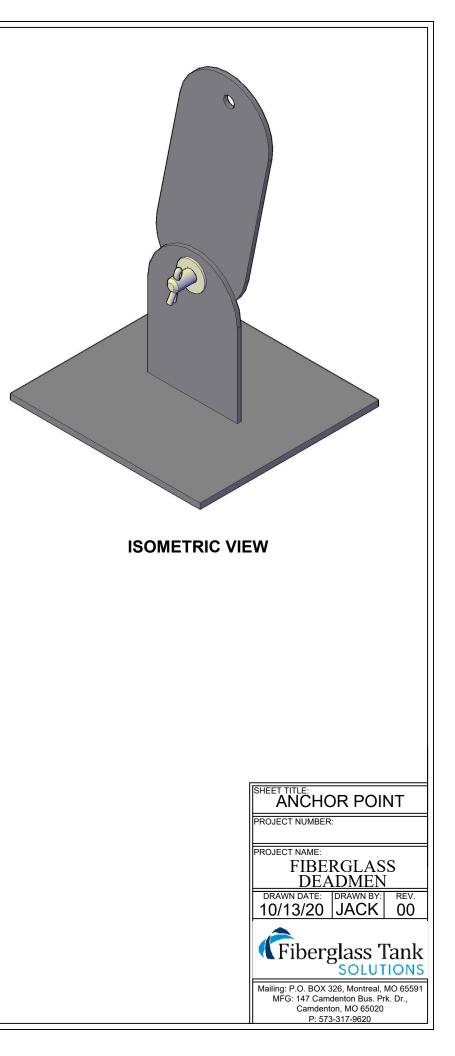


OMETRIC	VIEW	
	DIM. "A"	PROJECT NUMBER:
5'-0"	1'-0"	
6'-0"	1'-0"	FIBERGLASS DEADMEN DRAWN DATE: DRAWN BY: REV.
5'-0"	1'-6"	DRAWN DATE: DRAWN BY: REV. 10/13/20 JACK 00
)'-0"	2'-0"	
2'-0"	2'-0"	Fiberglass Tank
	-	Mailing: P.O. BOX 326, Montreal, MO 65591 MFG: 147 Camdenton Bus. Prk. Dr., Camdenton, MO 65020 P: 573-317-9620

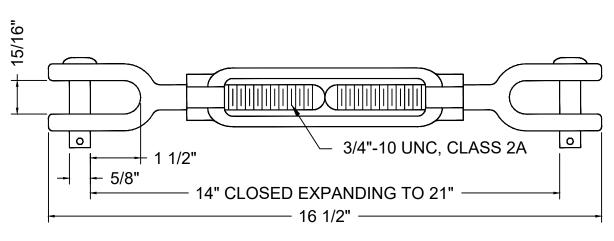


TOP VIEW

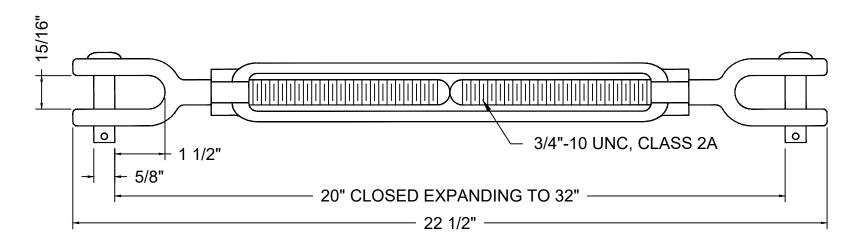




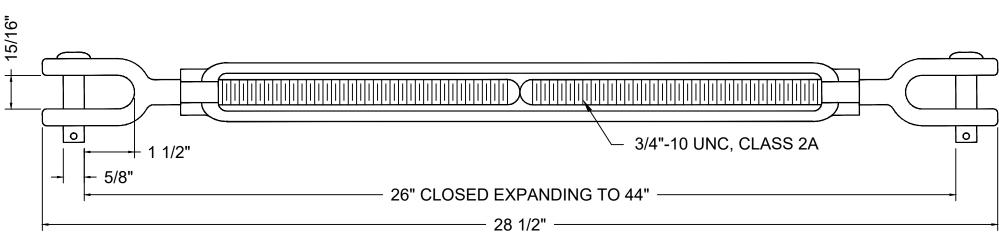
# 3/4" X 6" JAW TO JAW TURNBUCKLE FOR USE ON Ø6' & Ø5' TANKS



## 3/4" X 12" JAW TO JAW TURNBUCKLE FOR USE ON Ø8' TANKS



## 3/4" X 18" JAW TO JAW TURNBUCKLE FOR USE ON Ø10' & Ø12' TANKS

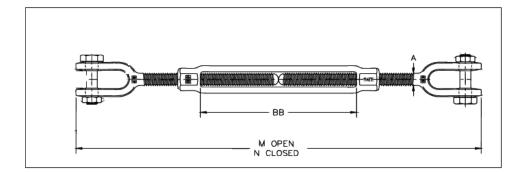






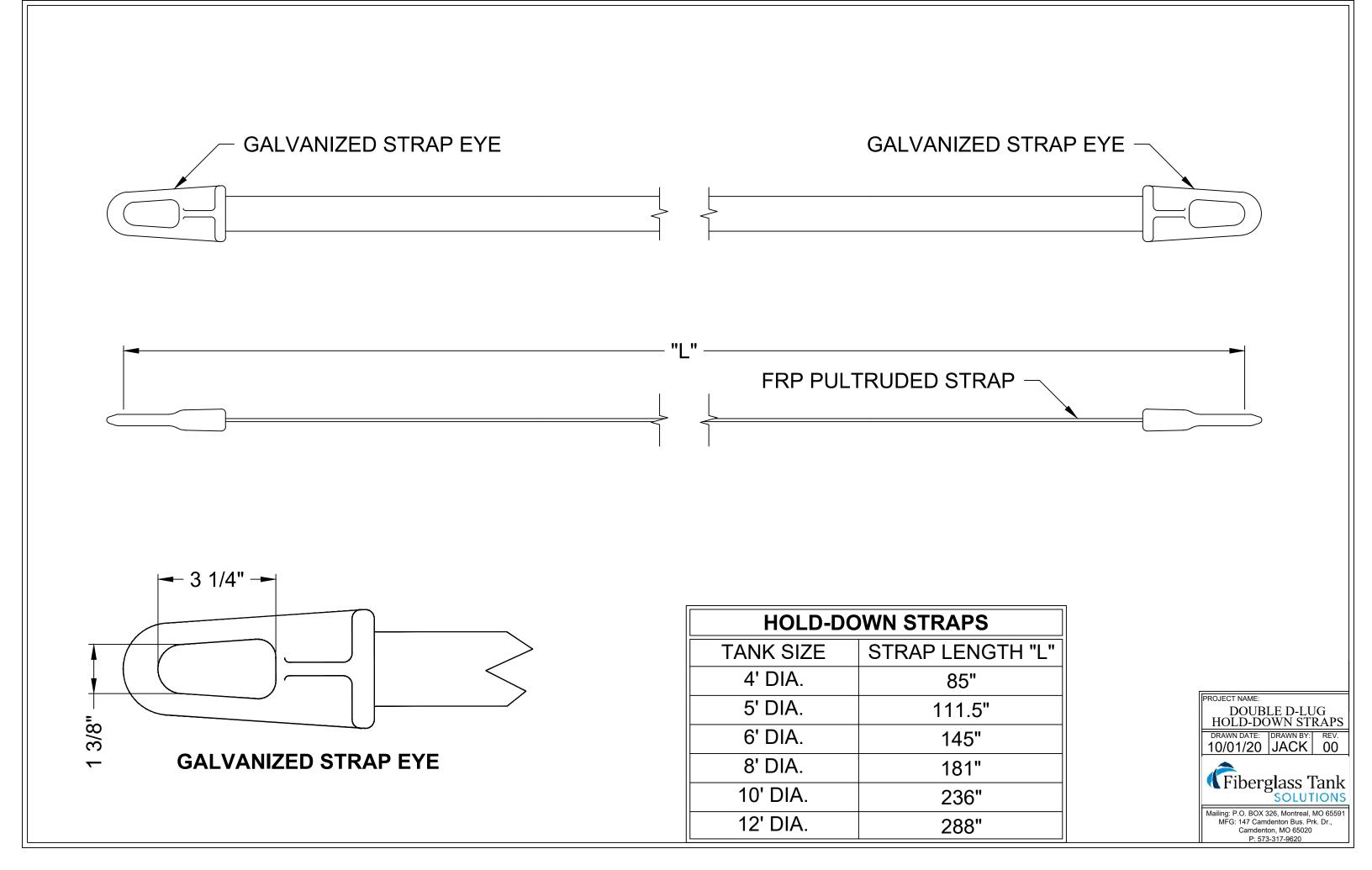
# **JAW & JAW GALVANIZED TURNBUCKLES - IMPORT**

Part# JJTBGV series



JAW&JAW

SIZE(in)	А	М	Ν	BB	WLL/lbs
1/4X4"	0.25	11.90	7.90	4.00	500
5/16x4-1/2"	0.31	13.90	9.40	4.50	800
3/8x6"	0.38	17.38	11.38	6.00	1200
1/2x6"	0.50	20.00	13.00	6.00	2200
1/2x9"	0.50	26.00	16.00	9.00	2200
1/2x12"	0.50	32.00	19.00	12.00	2200
5/8x6"	0.63	21.82	14.88	6.00	3500
5/8x9"	0.63	28.13	17.88	9.00	3500
5/8x12"	0.63	34.13	20.88	12.00	3500
3/4x6"	0.75	23.68	16.60	6.00	5200
3/4x9"	0.75	30.08	19.60	9.00	5200
3/4x12"	0.75	36.08	22.60	12.00	5200
3/4x18"	0.75	48.08	29.60	18.00	5200
7/8x12"	0.88	37.62	24.32	12.00	7200
7/8x18"	0.88	50.07	30.32	18.00	7200
1x12"	1.00	39.18	26.06	12.00	10000
1x18"	1.00	51.18	32.06	18.00	10000
1x24"	1.00	63.78	38.06	24.00	10000
1-1/4x12"	1.25	43.58	29.54	12.00	15200
1-1/4x18"	1.25	55.58	35.54	18.00	15200
1-1/4x24"	1.25	68.04	41.54	24.00	15200
1-1/2x18"	1.50	57.68	37.50	18.00	21400
1-1/2x24"	1.50	70.30	43.50	24.00	21400
1-3/4x18"	1.75	59.16	41.16	18.00	28000





# HOLD-DOWN STRAPS FOR UNDERGROUND STORAGE TANKS



## **Specifications**

#### Hook

- Ductile Iron Casting ASTM A536-84 Grade 80-55-06
- Hot-dipped galvanized MIL Spec. QQ-Z-325B Class 2
- Galvanized steel thickness = 0.008

#### Bars

- Weight of pultruded bar is 70-75% high quality fiberglass roving
- Guaranteed to sustain extensive tensile loads of 25,000 lbs
- High resistance to acid corrosion
- Elasticity module = 55 X 10<sup>6</sup> psi
- Stronger and more rigid than polyester

#### **Straps**

- Quality control load test of 21,000 lbs for each strap
- Breaking point 35,000 lbs
- Only 2% elongation at breaking point
- Tension = up to 80,000 psi
- Strap bound to hook with special epoxy formulation
- Weight of 20' straps is 14 lbs
- Specific testing protocols prior to and during epoxy injection, and after curing
- Engineered and manufactured under strict quality standards
- No added pressure on tanks

# Custom-Build Your Straps

The custom-built assembly includes a pultruded fiberglass reinforced resin strap, each end of which is epoxy-bound to a hot-dipped galvanized cast iron C Hooks or D Rings.

# HOLD-DOWN STRAPS

## **Shipping and Handling**

Our packaging system provides for easy and safer loading, unloading and on-site handling. Regular orders are shipped in custom-built platforms, and small orders in wood casings. Urgent delivery is available for small orders. Straps are rolled to form a loop (minimum radius of 30" to prevent hairline fractures), packaged in a wood casing and air-shipped.

### **Made-to-Measure**

- Strap lengths calculated from inside hook to inside hook
- Straps available in standard and custom lengths
- Platform built according to length of straps

## Packaging

- Custom-built heavy-duty platforms
- No crane required
- Side beams: 11 7/8" high and 1 3/4" thick
- Platforms are 44" wide
- Steel structure is bolted to platform plus saddles, if necessary
- Platforms can support 5,500 lbs on a 20-ft length

Platforms are designed for easy loading and unloading onto vans or flatbeds, and safe on-site handling. Straps must be handled with care and not be exposed to ultra-violet radiation.

## **Properties of our Pultruded Bars**

PROPERTY (Coupon Value)	ASTM	UNIT	FIBERGLASS	
		10	65%-70%	70%-75%
Tensile strength	D-638	psi X 10 <sup>3</sup>	100	120
Tensile modulus		psi X 106	6	6.5
Flexural strength	D-790	psi X 10³	100	120
Flexural modulus		psi X 106	6	6.5
Compressive strength	D-695	psi X 10 <sup>3</sup>	60	70
Compressive modulus		psi X 106	2.3	2.5
Shear strength		psi	2,800	3,000
Torque shear strength		psi	5,000	5,500
Izod impact strength	D-256	lbs-ft/in.	40	50
Water absorption	D-570	%	0.09	0.09



Wood Casing