

Bracket Analysis Report for Test #4: Arm Bracket Analysis

Bid Number: 60-100004

Customer: Sabre

Structure: Model

Model: PolFilenamePath

Engineer: Bob

Date: DateSaved



8653 E. Hwy 67 ~ Alvarado, TX 76009 ~ 866.254.3707

For Office Use Only

Arm ~ Label Undefined

Label	Sides	Orientation	Tip OD (in)	Butt OD (in)	Thickness (in)	Length (ft)	Weight (lbs)	Yield (ksi)	Attach Label	Azimuth (deg)
	8	Point-Point	0.00	13.75	0.1875	13.75	199.9	65		0

(6) 1.25" Dia x 3.75" Long - A325 Bolts

Diameter (in)	Total Qty	Center Space	Grade	Usage
1.25	6	3.5	A325	32.06%

Bracket ~ YK18-LW

Thickness (in)	Opening (in)	Height (in)	Usage	Shear Rupture	Bearing
1	18.125	24.5	32.73%	24.30%	9.78%

Stiffeners

Qty	Thickness (in)	Width (in)
2	1	3.00

Controlling Load Case (absolute value of reactions at pole face)

Description	Joint Label	Axial, Ft (kips)	Shear, Fv (kips)	Shear, FL (kips)	Moment, Mv (ft-kips)	Torsion, Mt (ft-kips)	Moment, ML (ft-kips)	Governing Element
		1.50	1.00	10.50	16.13	5.90	143.00	Bolt & Bracket