

## Bracket Analysis Report for Test #2: Arm Bracket Analysis

Bid Number: 60-100002

Customer: Sabre

Structure: Model

Model: PolFilenamePath

Engineer: Bob

Date: DateSaved



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**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	Flat-Flat	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	32.96%	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