

Tube Kit Summary / Material List

Customer/ School Name: Univ of ABC
Project / Team + Year: FSAE 2017
Project Description: chassis / suspension / roll hoops / spare
Product Type: Tube Kit / Welded Frame / Replacement Parts
Customer dwg no, revision / date: xxx, Rev xx / date
Team Contact Person: XXX
e-mail: xxx
Phone No.: xxx.XXX.xxx
Date: Sept 1 2016

Ass'y Dwg Item No	Customer Part Number (optional)	Qty (pcs)	Dim 1 outside dim (in.)	Type (rd,sq)	Dim 2 wall thickness (in.)	Dim 3 aprox length (in.)	Material Spec	Est'd Wt. (lbs ea)	Special Features	
									# bends	# holes
Chassis Parts										
11		1	1.000	rd	0.065	12.00	4130N	0.65		
12		1	1.000	rd	0.065	15.00	4130N	0.81		
13		1	1.000	rd	0.065	14.08	4130N	0.76		
14		1	1.000	rd	0.065	14.08	4130N	0.76		
15	front roll hoop	1	1.000	rd	0.095	54.63	4130N	4.19	4bends	
16		1	1.000	rd	0.095	14.25	4130N	1.09		
17	main roll hoop	1	1.000	rd	0.095	100.75	4130N	7.73	4bends	
18		1	1.000	rd	0.095	20.25	4130N	1.55		
19		1	1.000	rd	0.049	14.88	4130N	0.62		
20		1	1.000	rd	0.049	17.38	4130N	0.72		
21		1	1.000	rd	0.049	10.08	4130N	0.42		
22		1	1.000	rd	0.049	10.08	4130N	0.42		
23		1	1.000	rd	0.065	28.02	4130N	1.52		2holes (thru)
24		1	1.000	rd	0.065	28.02	4130N	1.52		2holes (thru)
25		1	1.000	rd	0.049	28.64	4130N	1.19		
26		1	1.000	rd	0.049	28.64	4130N	1.19		
27		1	1.000	rd	0.065	32.21	4130N	1.75		
28		1	1.000	rd	0.065	32.21	4130N	1.75		
29		1	1.000	rd	0.065	34.67	4130N	1.88		
30		1	1.000	rd	0.065	34.67	4130N	1.88		
31		1	1.000	rd	0.065	30.60	4130N	1.66	1bend	
32		1	1.000	rd	0.065	30.60	4130N	1.66	1bend	
33		1	1.000	rd	0.049	3.00	4130N	0.12		
34		1	1.000	rd	0.049	3.00	4130N	0.12		
35		1	1.000	rd	0.049	12.89	4130N	0.54		1slot
36		1	1.000	rd	0.049	12.89	4130N	0.54		
37		1	1.000	rd	0.049	15.19	4130N	0.63		
38		1	1.000	rd	0.049	15.19	4130N	0.63		
39		1	1.000	rd	0.049	34.38	4130N	1.43	1bend	
40		1	1.000	rd	0.049	34.38	4130N	1.43	1bend	
41		1	1.000	rd	0.049	11.62	4130N	0.48		
42		1	1.000	rd	0.049	19.90	4130N	0.83		
43		1	1.000	rd	0.049	10.30	4130N	0.43		
44		1	1.000	rd	0.049	10.30	4130N	0.43		
45		1	1.000	rd	0.049	14.00	4130N	0.58		4slots
46		1	1.000	rd	0.049	17.43	4130N	0.72		
47		1	1.000	rd	0.049	17.43	4130N	0.72		
48		1	1.000	rd	0.049	36.98	4130N	1.54		
49		1	1.000	rd	0.049	36.98	4130N	1.54		
50		1	0.875	rd	0.049	30.20	4130N	1.09		
51		1	0.875	rd	0.049	19.29	4130N	0.70		
52		1	0.875	rd	0.049	10.91	4130N	0.39		
53		1	0.875	rd	0.049	34.91	4130N	1.26		
54		1	0.875	rd	0.049	20.93	4130N	0.76		
55		2	0.875	rd	0.049	13.98	4130N	0.50		
56	seat harness tube	1	1.000	rd	0.095	26.53	4130N	2.04	2bends	
Suspension or Other Parts (if required)										
101		2	0.750	rd	0.049	10.30	4130N	0.32	??bend	
102		2	0.750	rd	0.049	10.30	4130N	0.32		
103		2	0.750	rd	0.049	14.00	4130N	0.43		
104		1	0.750	rd	0.049	14.24	4130N	0.44		
105		1	0.750	rd	0.049	12.00	4130N	0.37		
106	bracket1	0								
107	mach'd part1	0							by other	by other
Additional materials (optional / if required)										
601	extra mat'l	2	1.000	rd	0.049	48.00	4130N	2.00		
602	extra mat'l	1	1.000	rd	0.065	48.00	4130N	2.60		
603	extra mat'l	1	1.000	SQ	0.049	36.00	4130N	1.50		
# pcs		59	pcs							
est'd wt		66.7	lbs							
total length		113.1	ft							

Tube Size Summary

tube size (in)	type	wall (in)	# of pcs	Length (in)	(ft)	Material Spec
0.750	rd	0.049	8	95.45	8.0	4130N
0.875	rd	0.049	7	144.19	12.0	4130N
1.000	rd	0.049	25	511.54	42.6	4130N
1.000	rd	0.065	13	354.15	29.5	4130N
1.000	rd	0.095	5	216.41	18.0	4130N
			0	0.00	0.0	C1020
1.000	sq	0.049	1	36.00	3.0	4130N
1.000	sq	0.065	0	0.00	0.0	4130N

Total no of tubes	59	pcs
Total tube length	113.1	ft

Tube Bending Summary

tube od	# bends	# tubes w/ bends
1.000	1bend	4
1.000	2bends	1
1.000	3bends	0
1.000	4bends	2
1.000	5bends	0
No of tubes w/ bends		7