



F32 LOAD DATA

Pipe Diameter: 50mm(1.97") - Wall Thickness: 2mm(0.08") - Material: T6 6082 Aluminum - Brace Diameter: 20mm(0.79") - Truss Outside Diameter: 290mm(11.42")

LENGTH	UDL	DEFLECTION	CPL	DEFLECTION	THIRD POINT	DEFLECTION	QUARTER POINT	DEFLECTION
Meters	kg/m	cm	kg	cm	kg	cm	kg	cm
2	567	0.3	708	0.2	567	0.3	387	0.2
3	377	0.6	586.2	0.5	503.6	1	335.8	0.6
4	250.5	1.3	501	1.1	375	1.4	250.5	1.1
5	159.2	2.1	398.1	1.7	298.6	2.1	199.1	1.6
6	109.7	3	329	2.4	246.8	3.1	164.5	2.4
7	79.8	4	279.2	3.2	209.4	4.1	139.6	3.1
8	60.4	5.1	241.5	4.2	181.1	5.4	120.8	4.1
9	47.1	6.9	211.8	5.4	158.9	6.7	105.9	5.2
10	37.6	8.4	187.8	6.4	140.9	8.2	93.9	6.4

1 meter = 3.28ft (39.36")

1 kg(kilogram) = 2.2lbs(pounds)

1 inch = 2.54cm(centimeters)



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F33 LOAD DATA

Pipe Diameter: 50mm(1.97") - Wall Thickness: 2mm(0.08") - Material: T6 6082 Aluminum - Brace Diameter: 20mm(0.79") - Truss Outside Diameter: 290mm(11.42")

LENGTH	UDL	DEFLECTION	CPL	DEFLECTION	THIRD POINT	DEFLECTION	QUARTER POINT	DEFLECTION
Meters	kg/m	cm	kg	cm	kg	cm	kg	cm
1	1904		780		710		600.7	
2	870.2	0.3	600.7	0.4	520.8	0.5	411.4	0.3
3	384.4	0.7	488.3	0.7	411.4	0.7	288	0.6
4	215	1.3	411.4	0.9	321.8	1.2	214.5	1.1
5	135.8	1.8	340	1.5	254.7	1.9	169.8	1.7
6	93.1	2.6	279.3	2.1	209.5	2.7	139.6	2.5
7	67.3	3.6	235.7	2.9	176.8	3.7	117.8	3.4
8	50.6	4.7	202.5	3.7	151.9	4.8	101.3	4.4
9	39.2	5.9	176.2	4.7	132.2	6	88.1	5.6
10	31	7.3	154.8	5.8	116.1	7.5	77.4	6.9
11	24.9	8.8	136.9	7.1	102.7	9	68.5	8.4
12	20.3	10.5	121.6	8.4	91.3	10.7	60.8	10
13	16.2	12.3	108.5	9.9	81.4	12.6	54.2	11.7
14	13.8	14.3	96.9	11.4	72.6	14.6	48.4	13.6
15	11.5	15.8	86.5	13.3	64.9	16.2	43.2	15.5
16	10	16.4	77.3	14.8	57.9	17.5	38.6	16.6
17	8	17.5	68.8	16.2	51.6	18.3	34.4	17.8
18	6	19.2	61.1	18	45.8	20	30.5	19.1

1 meter = 3.28ft (39.36")

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F34 LOAD DATA

Pipe Diameter: 50mm(1.97") - Wall Thickness: 2mm(0.08") - Material: T6 6082 Aluminum - Brace Diameter: 20mm(0.79") - Truss Outside Diameter: 290mm(11.42")

LENGTH	UDL	DEFLECTION	CPL	DEFLECTION	THIRD POINT	DEFLECTION	QUARTER POINT	DEFLECTION
Meters	kg/m	cm	kg	cm	kg	cm	kg	cm
1	2276	0.01	913.9		870.2		758.6	
2	1136	0.01	794.1		730.2		629	
3	756	0.6	701.9	0.5	629	0.8	520.8	0.6
4	502.5	1.2	629	0.8	552.5	1.3	444.3	1
5	320.2	2.1	569.8	1	492.6	2.1	687.5	1.6
6	221	3	520.8	1.7	444.3	3	331.7	2.5
7	160	4	479.5	2.8	404.7	4.2	282.4	3.3
8	122	5.2	444.3	3.9	367.9	5.8	245.3	4.1
9	95	6.5	413.9	5.2	324.2	7	216.1	5.2
10	76	8	385.2	6.5	288.9	8.3	192.6	6.4
11	62	9.5	346.4	7.8	259.8	10.1	173.2	7.7
12	51	11.1	313.6	9.3	235.3	11.8	156.8	8.6
13	43	14.1	285.7	10.5	214.3	13.2	142.8	10.6
14	36	16.1	261.4	11.9	196.1	15.5	130.7	11.9
15	31	18.6	240.1	13.6	180.1	17.4	120.1	13
16	27	21.3	221.2	15.1	165.9	19.3	110.6	15.2
17	24	24.5	204.4	16.8	153.3	21.5	102.2	16.6
18	21	27.5	189.1	18.5	141.8	23.6	94.6	18.8

1 meter = 3.28ft (39.36")

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F44P LOAD DATA

Pipe Diameter: 50mm(1.97") - Wall Thickness: 3mm(0.12") - Material: T6 6082 Aluminum - Brace Diameter: 25mm(0.98") - Truss Outside Diameter: 400mm(15.75")

LENGTH	UDL	DEFLECTION	CPL	DEFLECTION	THIRD POINT	DEFLECTION	QUARTER POINT	DEFLECTION
Meters	kg/m	cm	kg	cm	kg	cm	kg	cm
1	1332.3	0	811.6	0	794.6	0	762.7	0
2	1150.7	0.3	762.7	0	733.3	0.4	680.5	0.3
3	937.7	0.5	719.4	0.3	680.7	0.7	614.5	0.5
4	731	0.7	680.7	0.5	635.2	0.9	650.3	0.6
5	465	1	645.9	0.6	595.4	1.2	514.7	0.8
6	320	1.5	614.6	0.8	560.3	1.6	476	1.1
7	133.3	2	586.2	1.1	529.1	2	408.3	1.5
8	176.8	2.5	560.3	1.6	501.1	2.4	353.5	2
9	138	3	536.5	2.1	465.7	3.5	310.4	2.4
10	110.2	3.7	514.7	2.8	413.4	3.9	275.6	2.9
11	89.7	4.5	493.5	3.6	370.1	4.6	246.7	3.6
12	74.1	5.6	444.7	4.2	333.5	5.4	222.3	4.1
13	62	6.8	402.7	4.9	302.8	6.3	201.4	4.8
14	52.3	7.9	366.3	5.5	274.7	7.1	183.1	5.4
15	44.6	8.6	334.1	6.2	250.6	8.1	167.1	6
16	38.2	9	305.5	6.9	229.1	10.4	152.8	6.8
17	32.9	10	279.8	7.6	209.8	11.5	139.9	7.4
18	28.5	10.7	256.4	8.4	192.3	12.6	128.2	8.2

1 meter = 3.28ft (39.36")

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