

Rev B - Jul-11-2017

Series Specifications 20JF16.E6 (20JF16)

(also includes Series 20JF16-C)

Table 20JF16.E6.6C
(Series 20JF16)
Support Spacing (ft)

(Limited by Bending Stress, Deflection of 0.50 in. over 3 spans, and Max. Spacing of 30.0 ft)

(See notes for information on what value of bending stress to use)

Size in.	Rating psi	500 psi SG = 0.85			1000 psi SG = 0.85			1500 psi SG = 0.85			500 psi SG = 1.0			1000 psi SG = 1.0			1500 psi SG = 1.0			500 psi SG = 1.15			1000 psi SG = 1.15			1500 psi SG = 1.15		
		0.50	232	5.8	8.2	8.9	5.8	8.2	8.9	5.7	8.1	8.9	5.8	8.2	8.9	5.7	8.1	8.9	5.8	8.2	8.9	5.7	8.1	8.9	5.8	8.2	8.9	5.7
0.75	232	6.7	9.4	9.9	6.6	9.3	9.9	6.6	9.3	9.9	6.6	9.3	9.9	6.6	9.3	9.9	6.6	9.3	9.9	6.6	9.3	9.9	6.6	9.3	9.9	6.6	9.3	9.9
1.00	232	7.4	10.5	10.8	7.3	10.4	10.7	7.3	10.3	10.7	7.3	10.4	10.7	7.3	10.3	10.7	7.3	10.4	10.7	7.3	10.3	10.7	7.3	10.4	10.7	7.3	10.3	10.7
1.50	232	8.7	12.3	12.3	8.5	12.1	12.2	8.4	11.9	12.1	8.4	11.9	12.1	8.4	11.9	12.1	8.4	11.9	12.1	8.4	11.9	12.1	8.4	11.9	12.1	8.4	11.9	12.1
2.00	232	9.7	13.6	13.6	9.5	13.4	13.4	9.3	13.2	13.3	9.3	13.2	13.3	9.3	13.2	13.3	9.3	13.2	13.3	9.3	13.2	13.3	9.3	13.2	13.3	9.3	13.2	13.3
2.50	232	10.5	14.6	14.6	10.3	14.5	14.5	10.0	14.2	14.3	10.0	14.2	14.3	10.0	14.2	14.3	10.0	14.2	14.3	10.0	14.2	14.3	10.0	14.2	14.3	10.0	14.2	14.3
3.00	232	11.2	15.6	15.6	10.9	15.4	15.4	10.6	15.0	15.2	10.6	15.0	15.2	10.6	15.0	15.2	10.6	15.0	15.2	10.6	15.0	15.2	10.6	15.0	15.2	10.6	15.0	15.2
4.00	232	12.3	17.2	17.2	11.9	16.8	16.9	11.5	16.2	16.7	11.5	16.2	16.7	11.5	16.2	16.7	11.5	16.2	16.7	11.5	16.2	16.7	11.5	16.2	16.7	11.5	16.2	16.7
5.00	232	13.1	17.2	17.2	12.6	16.9	16.9	12.1	16.7	16.7	12.1	16.7	16.7	12.1	16.7	16.7	12.1	16.7	16.7	12.1	16.7	16.7	12.1	16.7	16.7	12.1	16.7	16.7
6.00	232	13.7	19.4	19.8	13.1	18.6	19.3	12.6	17.8	18.9	12.6	17.8	18.9	12.6	17.8	18.9	12.6	17.8	18.9	12.6	17.8	18.9	12.6	17.8	18.9	12.6	17.8	18.9
8.00	232	14.6	20.7	21.7	13.9	19.7	21.2	13.3	18.8	20.7	13.3	18.8	20.7	13.3	18.8	20.7	13.3	18.8	20.7	13.3	18.8	20.7	13.3	18.8	20.7	13.3	18.8	20.7
10.00	232	15.3	21.6	23.3	14.5	20.4	22.7	13.8	19.5	22.1	13.8	19.5	22.1	13.8	19.5	22.1	13.8	19.5	22.1	13.8	19.5	22.1	13.8	19.5	22.1	13.8	19.5	22.1
12.00	232	15.7	22.2	24.6	14.9	21.0	23.9	14.1	20.0	23.3	14.1	20.0	23.3	14.1	20.0	23.3	14.1	20.0	23.3	14.1	20.0	23.3	14.1	20.0	23.3	14.1	20.0	23.3
14.00	232	16.8	23.8	26.5	15.8	22.4	25.7	15.0	21.3	25.1	15.0	21.3	25.1	15.0	21.3	25.1	15.0	21.3	25.1	15.0	21.3	25.1	15.0	21.3	25.1	15.0	21.3	25.1
16.00	232	18.2	25.8	28.5	17.2	24.3	27.7	16.3	23.0	27.0	16.3	23.0	27.0	16.3	23.0	27.0	16.3	23.0	27.0	16.3	23.0	27.0	16.3	23.0	27.0	16.3	23.0	27.0
18.00	232	19.6	27.7	30.0	18.4	26.1	29.5	17.5	24.7	28.7	17.5	24.7	28.7	17.5	24.7	28.7	17.5	24.7	28.7	17.5	24.7	28.7	17.5	24.7	28.7	17.5	24.7	28.7
20.00	232	20.8	29.5	30.0	19.6	27.7	30.0	18.6	26.3	30.0	18.6	26.3	30.0	18.6	26.3	30.0	18.6	26.3	30.0	18.6	26.3	30.0	18.6	26.3	30.0	18.6	26.3	30.0
24.00	232	23.1	30.0	30.0	21.8	30.0	30.0	20.6	29.1	30.0	20.6	29.1	30.0	20.6	29.1	30.0	20.6	29.1	30.0	20.6	29.1	30.0	20.6	29.1	30.0	20.6	29.1	30.0
30.00																												
36.00																												
42.00																												
48.00																												
54.00																												
60.00																												
66.00																												
72.00																												

Notes: Normally, we recommend 1000psi (6.9MPa) for an allowable bending stress due to support spacing, however, this value can range from 500psi (3.5MPa) to 1500psi (13.4MPa), depending upon the other axial & bending stresses in the system. At design temperatures of 200F (93c) or more, 500psi (3.5MPa) may be needed. At very low pressures and temperatures, 1500psi (13.4MPa) may be satisfactory.
 For seawater, multiply the support spacings for SG=1.0 by 0.986 (i.e., the support spacings for seawater are approximately 98.6% of the values for SG=1.0 (water)).

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Series Specifications 20JF16.E6 (20JF16)

(also includes Series 20JF16-C)

**Table 20JF16.E6M.6C (Metric)
 (Series 20JF16)**

Support Spacing (m)

(Limited by Bending Stress, Deflection of 0.50 in. over 3 spans, and Max. Spacing of 30.0 ft)

(See notes for information on what value of bending stress to use)

Size mm	Rating bar	3.4 MPa	6.8 MPa	10.3 MPa	3.4 MPa	6.8 MPa	10.3 MPa	3.4 MPa	6.8 MPa	10.3 MPa
		SG = 0.85	SG = 0.85	SG = 0.85	SG = 1.0	SG = 1.0	SG = 1.0	SG = 1.15	SG = 1.15	SG = 1.15
15	16	1.8	2.5	2.7	1.7	2.5	2.7	1.7	2.5	2.7
20	16	2.0	2.8	3.0	2.0	2.8	3.0	2.0	2.8	3.0
25	16	2.2	3.2	3.3	2.2	3.1	3.3	2.2	3.1	3.3
40	16	2.6	3.7	3.7	2.6	3.7	3.7	2.6	3.6	3.7
50	16	2.9	4.1	4.1	2.9	4.1	4.1	2.8	4.0	4.1
65	16	3.2	4.5	4.5	3.1	4.4	4.4	3.0	4.3	4.4
80	16	3.4	4.8	4.8	3.3	4.7	4.7	3.2	4.5	4.6
100	16	3.7	5.3	5.3	3.6	5.1	5.2	3.5	4.9	5.1
125	16	4.0	5.3	5.3	3.8	5.2	5.2	3.7	5.1	5.1
150	16	4.1	5.9	6.0	4.0	5.6	5.9	3.8	5.4	5.8
200	16	4.4	6.3	6.6	4.2	6.0	6.4	4.0	5.7	6.3
250	16	4.6	6.5	7.1	4.4	6.2	6.9	4.2	5.9	6.7
300	16	4.8	6.7	7.5	4.5	6.4	7.3	4.3	6.0	7.1
350	16	5.1	7.2	8.1	4.8	6.8	7.8	4.5	6.4	7.6
400	16	5.5	7.8	8.7	5.2	7.4	8.4	4.9	7.0	8.2
450	16	5.9	8.4	9.0	5.6	7.9	9.0	5.3	7.5	8.8
500	16	6.3	8.9	9.0	5.9	8.4	9.0	5.6	8.0	9.0
600	16	7.0	9.0	9.0	6.6	9.0	9.0	6.2	8.8	9.0
750										
900										
1050										
1200										
1350										
1500										
1650										
1800										

Notes: Normally, we recommend 1000psi (6.9MPa) for an allowable bending stress due to support spacing, however, this value can range from 500psi (3.5MPa) to 1500psi (13.4MPa), depending upon the other axial & bending stresses in the system. At design temperatures of 200F (93c) or more, 500psi (3.5MPa) may be needed. At very low pressures and temperatures, 1500psi (13.4MPa) may be satisfactory.
 For seawater, multiply the support spacings for SG=1.0 by 0.986 (i.e., the support spacings for seawater are approximately 98.6% of the values for SG=1.0 (water)).