

Rev C - Jul-11-2017

Series Specifications 20JF.E6 (20JF)

(also includes Series 20JF-C)

**Table 20JF.E6.6C
 (Series 20JF)
 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	1000 psi	1500 psi	500 psi	1000 psi	1500 psi	500 psi	1000 psi	1500 psi
		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
0.50	200	5.5	7.8	8.6	5.5	7.7	8.6	5.4	7.7	8.6
0.75	200	6.4	9.0	9.6	6.3	8.9	9.6	6.3	8.9	9.5
1.00	200	7.1	10.1	10.5	7.0	10.0	10.4	7.0	9.9	10.4
1.50	200	8.4	11.8	12.0	8.2	11.6	11.9	8.1	11.5	11.8
2.00	200	9.3	13.2	13.2	9.2	12.9	13.1	9.0	12.7	13.0
2.50	200	10.1	14.3	14.3	9.9	14.0	14.1	9.7	13.7	14.0
3.00	200	10.8	15.3	15.3	10.5	14.8	15.0	10.2	14.4	14.8
4.00	200	11.8	16.7	16.9	11.4	16.1	16.6	11.0	15.6	16.3
5.00	200	12.6	16.9	16.9	12.1	16.6	16.6	11.6	16.3	16.3
6.00	200	13.2	18.6	19.3	12.6	17.8	18.9	12.1	17.1	18.5
8.00	200	14.0	19.9	21.2	13.3	18.9	20.7	12.7	18.0	20.2
10.00	200	15.6	22.1	23.6	14.8	21.0	23.0	14.1	20.0	22.4
12.00	200	17.1	24.2	25.8	16.2	22.9	25.1	15.4	21.8	24.4
14.00	200	16.6	23.4	26.3	15.6	22.1	25.5	14.8	20.9	24.9
16.00	200	17.9	25.3	28.2	16.8	23.8	27.4	16.0	22.6	26.7
18.00	200	19.1	27.1	30.0	18.0	25.5	29.1	17.1	24.1	28.4
20.00	200	20.3	28.7	30.0	19.1	27.0	30.0	18.1	25.6	30.0
24.00	200	22.5	30.0	30.0	21.1	29.9	30.0	20.0	28.3	30.0
30.00	200	24.2	30.0	30.0	19.8	28.0	30.0	18.7	26.4	30.0
36.00	200	23.4	30.0	30.0	21.9	30.0	30.0	20.6	29.2	30.0
42.00	200	18.3	25.9	30.0	17.0	24.1	29.5	16.0	22.6	27.7
48.00	200	19.7	27.9	30.0	18.3	25.9	30.0	17.2	24.3	29.8
54.00	200	21.0	29.7	30.0	19.5	27.6	30.0	18.3	25.9	30.0
60.00	200	22.2	30.0	30.0	20.6	29.2	30.0	19.4	27.4	30.0
66.00	200	23.4	30.0	30.0	21.7	30.0	30.0	20.4	28.8	30.0
72.00	200	24.5	30.0	30.0	22.7	30.0	30.0	21.3	30.0	30.0

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 20JF.E6 (20JF)

(also includes Series 20JF-C)

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

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	14	1.7	2.4	2.6	1.7	2.3	2.6	1.6	2.3	2.6
20	14	1.9	2.7	2.9	1.9	2.7	2.9	1.9	2.7	2.9
25	14	2.2	3.0	3.2	2.1	3.0	3.2	2.1	3.0	3.2
40	14	2.5	3.6	3.7	2.5	3.5	3.6	2.5	3.5	3.6
50	14	2.8	4.0	4.0	2.8	3.9	4.0	2.7	3.8	4.0
65	14	3.1	4.3	4.4	3.0	4.2	4.3	2.9	4.1	4.3
80	14	3.3	4.6	4.7	3.2	4.5	4.6	3.1	4.4	4.5
100	14	3.6	5.1	5.1	3.5	4.9	5.0	3.3	4.7	5.0
125	14	3.8	5.1	5.1	3.7	5.0	5.0	3.5	5.0	5.0
150	14	4.0	5.6	5.9	3.8	5.4	5.8	3.7	5.2	5.6
200	14	4.3	6.0	6.5	4.0	5.7	6.3	3.9	5.5	6.2
250	14	4.7	6.7	7.2	4.5	6.4	7.0	4.3	6.1	6.8
300	14	5.2	7.3	7.9	4.9	6.9	7.6	4.7	6.6	7.5
350	14	5.0	7.1	8.0	4.7	6.7	7.8	4.5	6.3	7.6
400	14	5.4	7.7	8.6	5.1	7.2	8.3	4.8	6.8	8.1
450	14	5.8	8.2	9.0	5.5	7.7	8.9	5.2	7.3	8.6
500	14	6.1	8.7	9.0	5.8	8.2	9.0	5.5	7.7	9.0
600	14	6.8	9.0	9.0	6.4	9.0	9.0	6.1	8.6	9.0
750	14	6.4	9.0	9.0	6.0	8.5	9.0	5.7	8.0	9.0
900	14	7.1	9.0	9.0	6.6	9.0	9.0	6.2	8.8	9.0
1050	14	5.5	7.8	9.0	5.2	7.3	9.0	4.8	6.8	8.4
1200	14	6.0	8.4	9.0	5.5	7.8	9.0	5.2	7.4	9.0
1350	14	6.4	9.0	9.0	5.9	8.4	9.0	5.5	7.8	9.0
1500	14	6.7	9.0	9.0	6.3	8.8	9.0	5.9	8.3	9.0
1650	14	7.1	9.0	9.0	6.6	9.0	9.0	6.2	8.7	9.0
1800	14	7.4	9.0	9.0	6.9	9.0	9.0	6.5	9.0	9.0

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