

**150# AQUATHERM DUCTILE IRON
BACK-UP FLANGES**

Features

- 150# Flange Drilling
- Cast Ductile Iron
- IPS Sizes
- Finishes:
 - Green Epoxy Coating
 - Sizes 1 to 24 Inch

Standards

- Material: ASTM A536 grade 65-45-12
- Hardness: ISO 1083
- Finish:
 - 1 mil Epoxy Coating

Physical Properties

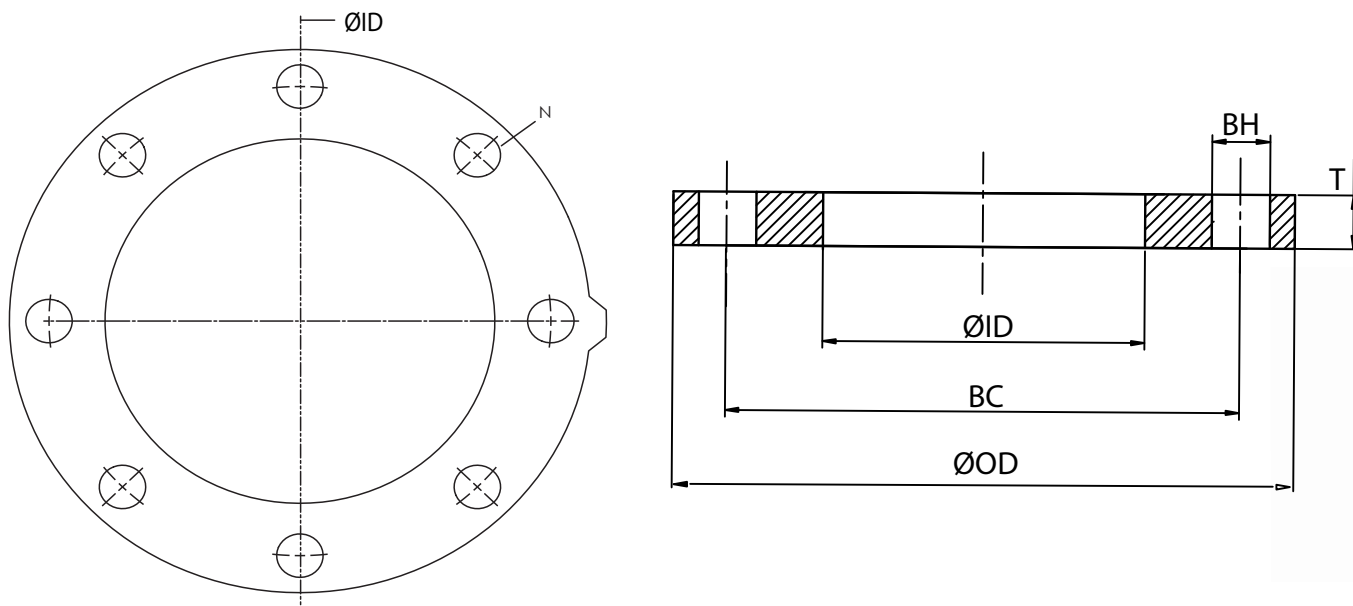
- Tensile Strength: 65 KSI Minimum
- Yield Strength: 45 KSI Minimum
- Elongation: 12% Minimum
- Hardness: HBW 160-210 (Brinell)



Figure Number Matrix

FNW Figure		Size	
FIGURE		SIZE CODE	
74A	1 = G	5 = S	16 = 16
	1-1/4 = H	6 = U	18 = 18
	1-1/2 = J	8 = X	20 = 20
	2 = K	10 = 10	24 = 24
	2-1/2 = L	12 = 12	
	3 = M	14 = 14	
	4 = P		

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Dimensions (inches)

Size	ØOD	ØID	T	BC	BH	N	Wt.(lbs)
1	4.25	1.73	0.625	3.12	0.63	4	1.7
1-1/4	4.62	2.11	0.625	3.50	0.63	4	1.9
1-1/2	5.00	2.52	0.625	3.88	0.63	4	2.2
2	6.00	3.15	0.625	4.75	0.75	4	3.0
2-1/2	7.00	3.71	0.625	5.50	0.75	4	4.2
3	7.50	4.39	0.625	6.00	0.75	4	4.9
3-1/2	8.50	5.33	0.625	7.00	0.75	8	5.5
4	9.00	5.38	0.625	7.50	0.75	8	6.7
6	11.00	7.13	0.688	9.50	0.88	8	9.0
8	13.50	9.50	0.688	11.75	0.88	8	12.2
10	16.00	11.40	0.75	14.25	1.00	12	19.2
12	19.00	13.50	0.875	17.00	1.00	12	32.2
14	21.00	14.80	0.875	18.75	1.13	12	39.9
16	23.50	16.90	0.875	21.25	1.13	16	46.4
18	25.00	18.90	0.875	22.75	1.13	16	45.6
20	27.50	20.80	1	25.00	1.13	20	62.4
24	32.00	25.00	1.125	29.50	1.38	20	86.4

Tolerances

Dimension	T	ID 3"-4": +.098 -0 ID 6"-8": +.110 -0 ID 10"-14": +.126 -0 ID 16"-20": +.042 -0 ID 24": +.157 -0	BC 10"-12": ± .079 BC 14"-24": ± .098	OD 12"-24": ± .120	BH
		ID	BC	OD	
Tolerances	+0.12	+0.079	+0.059	+0.079	+0.079
	-0	-0	-0.059	-0.059	-0

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