

### TOLERANCES

(A) Outside Diameter: (+/- 0.12)  
 (B) Inside Diameter: (+/- 0.12)

### THICKNESS

(T) NPS: ≤ 18 - Per B16.48 (+ 0.12, -0)  
 (T) NPS: ≥ 20 - Per B16.48 (+ 0.19, -0)

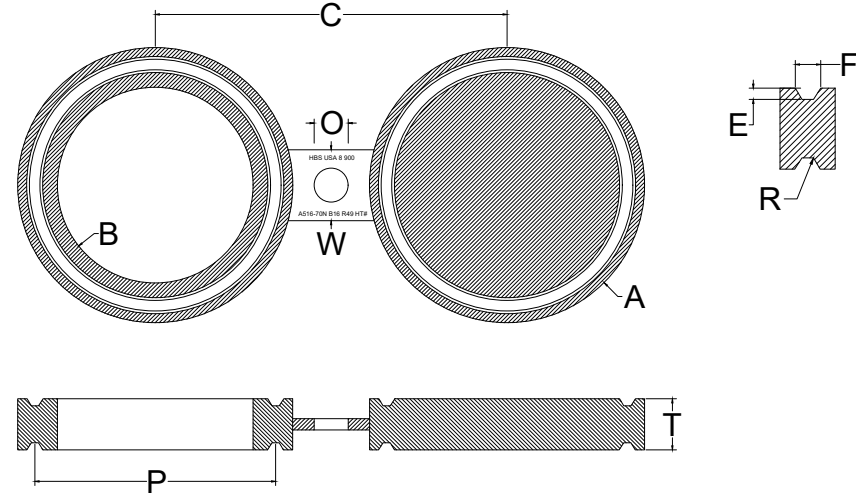
All Units: Inches, Pounds

### RTJ FEMALE GROOVE

(E) Depth (+0.016, -0)  
 (F) Width (+/- 0.008)  
 (P) Pitch Diameter (+/- 0.005)

### RADIUS AT BOTTOM

(R) ≤ 0.06 + 0.03, -0  
 (R) >0.06 +/- 0.03  
 23° (angle) = 1/2°



**24 HOUR CALL OUT**  
 409.736.7665

150#	OD (A)	ID (B)	THICKNESS (T)	CENTERLINE (C)	WEB WIDTH (W)	CENTER HOLE (O)	PITCH (P)	GROOVE WIDTH (F)	DEPTH (E)	RING #	WEIGHT
1"	2.50	1.32	0.75	3.12	2.00	0.62	1.875	0.344	0.250	15	2
1-1/4"	2.88	1.66	0.75	3.50	2.00	0.62	2.250	0.344	0.250	17	3
1-1/2"	3.25	1.90	0.75	3.88	2.25	0.62	2.562	0.344	0.250	19	3
2"	4.00	2.38	0.75	4.75	2.25	0.62	3.250	0.344	0.250	22	5
2-1/2"	4.75	2.88	0.88	5.50	2.25	0.62	4.000	0.344	0.250	25	8
3"	5.25	3.50	0.88	6.00	2.25	0.75	4.500	0.344	0.250	29	10
3-1/2"	6.06	4.00	0.88	7.00	2.50	0.75	5.188	0.344	0.250	33	13
4"	6.75	4.50	0.88	7.50	2.50	0.75	5.875	0.344	0.250	36	16
5"	7.62	5.56	1.00	8.50	2.75	0.88	6.750	0.344	0.250	40	21
6"	8.62	6.62	1.00	9.50	3.25	0.88	7.625	0.344	0.250	43	26
8"	10.75	8.62	1.12	11.75	3.75	0.88	9.750	0.344	0.250	48	44
10"	13.00	10.75	1.25	14.25	4.00	1.00	12.000	0.344	0.250	52	68
12"	16.00	12.75	1.38	17.00	4.75	1.00	15.000	0.344	0.250	56	117
14"	16.75	14.00	1.38	18.75	5.00	1.12	15.625	0.344	0.250	59	122
16"	19.00	16.00	1.50	21.25	5.00	1.12	17.875	0.344	0.250	64	168
18"	21.50	18.00	1.62	22.75	5.00	1.25	20.375	0.344	0.250	68	234
20"	23.50	20.00	1.62	25.00	5.00	1.25	22.000	0.344	0.250	72	274
24"	28.00	24.00	1.88	29.50	6.00	1.38	26.500	0.344	0.250	76	442