

# FABRICATED TEE STRAINERS

2" - 30" | ANSI CLASS 600



6" Fabricated Tee Strainer, ANSI 600, with Bolted Cover Assembly Shown

Fabricated Tee Strainers are required when an off-the-shelf solution will not meet your exact piping requirements. All of our Fabricated Strainers are made right here in the USA, at our state-of-the-art facility in the southeastern part of North Carolina.

## CUSTOM COVER SOLUTIONS INCLUDING DAVITS & HINGED COVER

All pictures shown are for illustrative purposes only. Actual product may vary due to product enhancement.

### MODEL

FT 40 Series - 600 Class

### MATERIALS:

- Carbon Steel • Stainless Steel
- Other Alloys

### OPTIONS



- Gauge Taps
- Vent - (Standard)
- Drains
- Back Flush Valves
- Semi-Automatic
- Pressure Gauges
- DP Gauge Switch



HINGED



DAVIT



BOLTED



### ANSI CLASSES

ANSI Class 150 up to high pressure 900 class



### STRAINING ELEMENTS

Customize to fit your requirements  
Heavy Duty Baskets



### END CONNECTIONS

Flanged, Raised Face, RTJ, Butt Weld, Socket Weld, Threaded



### SANITARY

Sanitary Application Designs for food/pharmaceutical processing



### TEMPERATURE CONTROL

Steam Jacket casing for set temperature control



### UNIQUE PROJECTS

Rotated and Offset Nozzles to fit into your applications



290 Corporate Dr  
www.titanfci.com  
Phone: 910.735.0000

Lumberton, NC 28358  
titan@titanfci.com  
Fax: 910.738.3848

2" - 30"

FT 40 Series  
Tee Strainer

ANSI Class  
600

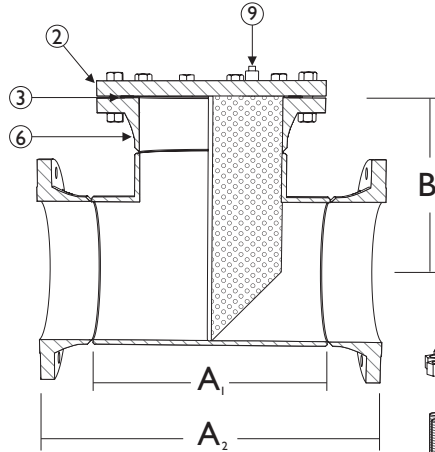
**BILL OF MATERIALS<sup>(1)</sup>**  
FT 40 Series

Part	FT 40-45 CS	FT 40-45 SS
1 Body	Carbon Steel A234 Gr.WPB	Stainless Steel SA403
2 Cover	Carbon Steel A105	Stainless Steel SA182 Type 316
3 Cover Gasket/ O-Ring <sup>(2)</sup>	<b>Bolted:</b> Spiral Wound Stainless Steel	<b>Quick Open:</b> Buna-N <sup>(3)</sup>
4 Straining Element <sup>(2)(4)(5)</sup>	T304 SS	T304 SS
5 Inlet/Outlet Flange	Carbon Steel A105	Stainless Steel SA182 Type 316
6 Weld Neck Flange	Carbon Steel A105	Stainless Steel SA182 Type 316
7 Bolts	Carbon Steel A193-B7	Stainless Steel A193 B8 M
8 Nuts	Carbon Steel A194 2H	Stainless Steel A194 Gr.8
9 Vent with Plug <sup>(6)</sup>	Carbon Steel A105	Stainless Steel SA182 Type 316

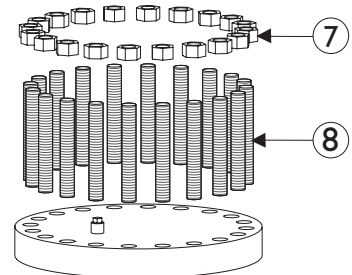
1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Titan recommends keeping spare parts on hand.
3. Buna-N is standard for applications below 250° F. Viton is standard for applications above 250° F.
4. Max mesh size available is 60 mesh.
5. 1/8" perf is standard for all mesh lined straining elements.
6. 1/2" NPT is standard

**Tee Strainers are not recommended for suction applications.**

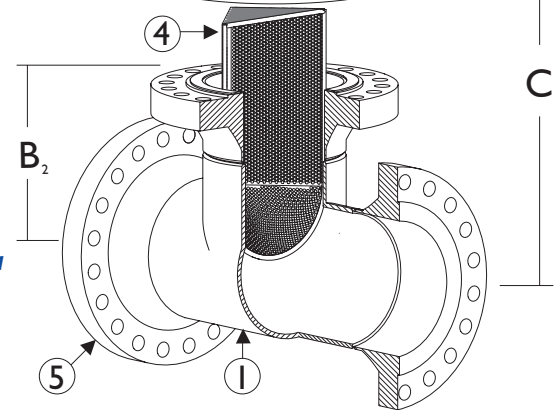
**Optional bottom drains (2" NPT Standard) are available at extra cost.**



Model FT 41



Model FT 41



*Illustrations are representative of Titan FCI fabricated tee strainers; however, as with all fabricated designs, actual products may vary. Certified drawings are required for all Titan Fabrications.*

**FT 40 Series: Tee Strainer Dimensions | 2" - 30" | ANSI CLASS 600**

**DIMENSIONS AND WEIGHTS<sup>(1)</sup>**

	in	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	30
<b>(A<sub>1</sub>) Face to Face<sup>(2)</sup></b> FT 40, FT 43 - Butt-Weld	mm	50	65	80	100	125	150	200	250	300	355	405	460	508	610	762
	in	5.00	6.00	6.75	8.25	9.75	11.25	14.00	17.00	20.00	22.00	24.00	27.00	30.00	34.00	C/F
<b>(A<sub>2</sub>) Face to Face<sup>(2)</sup></b> FT 41, FT 44 - Flanged	mm	127	152	172	210	248	286	356	432	508	559	610	686	762	864	C/F
	in	11.50	13.00	14.00	17.00	19.50	21.25	25.25	29.75	33.00	35.75	38.75	42.25	45.75	50.75	C/F
<b>(B<sub>1</sub>) Ctr-Line to Top<sup>(3)</sup></b> FT 40-42 - Bolted Cover	mm	292	330	356	432	495	540	641	756	838	908	984	1073	1162	1289	C/F
	in	5.75	6.50	7.00	8.50	9.75	10.63	12.63	14.90	16.50	17.88	19.38	21.13	22.88	25.38	C/F
<b>C Dimension</b> Screen Removal	mm	146	165	178	216	248	270	321	378	419	454	492	537	581	645	C/F
	in	12.70	14.44	15.75	19.25	22.28	24.57	29.57	35.13	39.38	42.75	46.75	51.25	55.75	62.75	C/F
<b>Approx. Weight: FT 40</b>	lb	31.88	C/F	62.50	118.75	C/F	288.75	418.75	727.50	957.50	1367.50	1945.00	2412.50	3207.50	4875.00	C/F
	kg	14.50	C/F	28.35	53.86	C/F	131.00	190.00	330.00	434.32	620.30	882.24	1094.30	1454.90	2211.30	C/F
<b>Approx. Weight: FT 41</b>	lb	61.88	C/F	120.00	223.75	C/F	491.25	718.75	1202.50	1522.50	2235.00	3147.50	3800.00	4932.50	7317.50	C/F
	kg	28.10	C/F	54.43	101.50	C/F	222.82	326.02	545.50	690.60	1013.80	1427.70	1723.70	2237.34	3319.20	C/F

1. Dimensions and weights of the FT 40 Series are provided for reference only. Certified drawings are required for all Titan Fabrications.
2. Face to face values have a tolerance of ±0.06 in (±2.0 mm) for sizes 10" and lower and a tolerance of ±0.12 in (±3.0 mm) for sizes 12" and larger.
3. Center line to top dimension is to the top of the body flange. Quick open cover dimension is to the top of body housing.