



Tarsco Bolted Tank[®]
a TF Warren Company

FULL SERVICE PROVIDER OF LIQUID AND DRY BOLTED STORAGE TANK SYSTEMS

Tarsco Bolted Tank works with clients on a global scale to design, manufacture and construct projects with exceptional quality.

Dry Bulk Storage Solutions

Your single source designer, manufacturer, and erector of dry bulk silos

As the industry leader in design build services for dry bulk material handling and storage systems, our team of experts can provide storage silo solutions that are custom engineered to your exact project requirements. We work with you to create a solution of uncompromised quality for every size of silo or project by offering factory epoxy powder coated, bolted, dry storage silos.

Flat panel bolted tanks offer outstanding performance, reliability, and ease of installation. Tarsco Bolted Tank's decades of experience, combined with our state-of-the-art engineering and manufacturing facility, can provide you with any volume of storage you may require.

Tanks are erected from ground level with a synchronized jacking system, improving safety and quality control around ground level. This system eliminates expensive cranes and fabricated scaffold systems and improves our ability to work in confined spaces.

Bolted Flat Panel Advantages

- Speed and ease of manufacturing and erection
- Shop applied powder coatings that can't be reproduced in the field
- Worry free quality in design and coatings
- Least expensive solution over lifetime
- Bolted silos can be relocated and expanded, improving residual value

Factory Finished

Our panels are finished in our factory with a thermal fusion bonded powder coating. We provide epoxy powder coating techniques resulting in superior coverage to ensure long-term service in the field. Powder coating is electrostatically applied and thermally cured, all within a factory-controlled climate which equates to extremely low emissions for environmentally sound production.

Quality Control

- Each panel is 100% holiday free when it leaves the factory
- Shipment pallets are built job specific and also built larger than panels to eliminate coating or transportation damage
- Panels are stacked to pallets in sequence of erection; this eliminates handling panels excessively
- Protective sheets of heavy paper are placed between each panel when stacked on shipping pallets to ensure no abrasions during transportation



Tarsco Bolted Tank
5897 Highway 59
Goodman, MO 64843

866-700-2500
tarscoboltedsales@tfwarren.com

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www.tfwarren.com

Dry Bolted Tank Capacity Chart

Outlet Diameter = 1 ft.
 Hopper Outlet Clearance to Bottom of Tank = 2.5 ft.
 Capacity - Level Full (Cubic Feet)

Contact Tarsco Bolted Tank for larger diameter flat bottom tanks.

Dia (feet)	Eave Height (feet)	Flat Bottom	45° Hopper (ft³)	60° Hopper (ft³)
9.23	25.71	1,721	1,381	1,254
	30.54	2,044	1,704	1,578
	35.38	2,367	2,028	1,901
	40.21	2,691	2,351	2,225
	45.04	3,014	2,674	2,548
	49.88	3,338	2,998	2,872
	54.71	3,661	3,321	3,195
	59.54	3,985	3,645	3,519
	64.38	4,308	3,968	3,842
	69.21	4,632	4,292	4,165
	74.04	4,955	4,615	4,489
	78.88	5,279	4,939	4,812
	83.71	5,602	5,262	5,136
	88.54	5,926	5,586	5,459
	93.38	6,249	5,909	5,783
	98.21	6,573	6,233	6,106
12.31	25.71	3,059	2,332	2,019
	30.54	3,634	2,908	2,594
	35.38	4,209	3,483	3,169
	40.21	4,784	4,058	3,744
	45.04	5,359	4,633	4,319
	49.88	5,934	5,208	4,894
	54.71	6,509	5,783	5,469
	59.54	7,084	6,358	6,044
	64.38	7,659	6,933	6,619
	69.21	8,234	7,508	7,194
	74.04	8,809	8,083	7,769
	78.88	9,384	8,658	8,344
	83.71	9,959	9,233	8,919
	88.54	10,534	9,808	9,494
	93.38	11,109	10,383	10,069
	98.21	11,685	10,958	10,644
15.38	25.71	4,779	3,454	2,824
	30.54	5,678	4,352	3,722
	35.38	6,576	5,251	4,621
	40.21	7,475	6,150	5,520
	45.04	8,373	7,048	6,418
	49.88	9,272	7,947	7,317
	54.71	10,170	8,845	8,215
	59.54	11,069	9,744	9,114
	64.38	11,967	10,642	10,012
	69.21	12,866	11,541	10,911
	74.04	13,764	12,439	11,809
	78.88	14,663	13,338	12,708
	83.71	15,562	14,236	13,606
	88.54	16,460	15,135	14,505
	93.38	17,359	16,033	15,403
	98.21	18,257	16,932	16,302
18.46	25.71	6,882	4,699	3,591
	30.54	8,176	5,993	4,885
	35.38	9,470	7,287	6,179
	40.21	10,764	8,581	7,473
	45.04	12,058	9,875	8,767
	49.88	13,351	11,169	10,060
	54.71	14,645	12,462	11,354
	59.54	15,939	13,756	12,648
	64.38	17,233	15,050	13,942
	69.21	18,527	16,344	15,236
	74.04	19,821	17,638	16,530
	78.88	21,115	18,932	17,824
	83.71	22,409	20,226	19,118
	88.54	23,702	21,520	20,411
	93.38	24,996	22,813	21,705
	98.21	26,290	24,107	22,999

Dia (feet)	Eave Height (feet)	Flat Bottom	45° Hopper (ft³)	60° Hopper (ft³)
21.54	25.71	9,367	6,022	4,241
	30.54	11,128	7,783	6,002
	35.38	12,890	9,545	7,763
	40.21	14,651	11,306	9,524
	45.04	16,412	13,067	11,285
	49.88	18,173	14,828	13,046
	54.71	19,934	16,589	14,807
	59.54	21,695	18,350	16,568
	64.38	23,456	20,111	18,329
	69.21	25,217	21,872	20,091
	74.04	26,978	23,633	21,852
	78.88	28,739	25,395	23,613
	83.71	30,501	27,156	25,374
	88.54	32,262	28,917	27,135
	93.38	34,023	30,678	28,896
	98.21	35,784	32,439	30,657
24.62	25.71	12,235	7,378	
	30.54	14,535	9,678	6,994
	35.38	16,835	11,978	9,294
	40.21	19,135	14,279	11,594
	45.04	21,436	16,579	13,894
	49.88	23,736	18,879	16,194
	54.71	26,036	21,179	18,495
	59.54	28,336	23,479	20,795
	64.38	30,637	25,780	23,095
	69.21	32,937	28,080	25,395
	74.04	35,237	30,380	27,696
	78.88	37,537	32,680	29,996
	83.71	39,838	34,981	32,296
	88.54	42,138	37,281	34,596
	93.38	44,438	39,581	36,896
	98.21	46,738	41,881	39,197
27.69	25.71	15,485	8,720	
	30.54	18,396	11,631	7,781
	35.38	21,307	14,542	10,692
	40.21	24,218	17,454	13,604
	45.04	27,130	20,365	16,515
	49.88	30,041	23,276	19,426
	54.71	32,952	26,187	22,337
	59.54	35,863	29,098	25,249
	64.38	38,774	32,010	28,160
	69.21	41,686	34,921	31,071
	74.04	44,597	37,832	33,982
	78.88	47,508	40,743	36,893
	83.71	50,419	43,655	39,805
	88.54	53,331	46,566	42,716
	93.38	56,242	49,477	45,627
	98.21	59,153	52,388	48,538
30.77	25.71	19,117	10,003	
	30.54	22,711	13,597	
	35.38	26,305	17,191	11,880
	40.21	29,899	20,785	15,474
	45.04	33,493	24,379	19,068
	49.88	37,087	27,973	22,662
	54.71	40,682	31,567	26,256
	59.54	44,276	35,161	29,850
	64.38	47,870	38,755	33,444
	69.21	51,464	42,350	37,038
	74.04	55,058	45,944	40,632
	78.88	58,652	49,538	44,227
	83.71	62,246	53,132	47,821
	88.54	65,840	56,726	51,415
	93.38	69,434	60,320	55,009
	98.21	73,028	63,914	58,603

Dia (feet)	Eave Height (feet)	Flat Bottom	45° Hopper (ft³)	60° Hopper (ft³)
33.85	25.71	23,131	11,180	
	30.54	27,480	15,529	
	35.38	31,829	19,878	
	40.21	36,178	24,227	17,125
	45.04	40,527	28,576	21,474
	49.88	4,876	32,925	25,823
	54.71	49,225	37,274	30,171
	59.54	53,573	41,622	34,520
	64.38	57,922	45,971	38,869
	69.21	62,271	50,320	43,218
	74.04	66,620	54,669	47,567
	78.88	70,969	59,018	51,916
	83.71	75,318	63,367	56,265
	88.54	79,667	67,716	60,613
	93.38	84,016	72,064	64,962
	98.21	88,364	76,413	69,311
36.92	25.71	27,528	12,207	
	30.54	32,704	17,383	
	35.38	37,879	22,558	
	40.21	43,055	27,734	18,478
	45.04	48,230	32,909	23,653
	49.88	53,406	38,085	28,829
	54.71	58,581	43,260	34,004
	59.54	63,757	48,436	39,180
	64.38	68,932	53,611	44,355
	69.21	74,108	58,787	49,531
	74.04	79,283	63,962	54,706
	78.88	84,459	69,138	59,882
	83.71	89,634	74,313	65,057
	88.54	94,810	79,489	70,233
	93.38	99,985	84,664	75,408
	98.21	105,161	89,840	80,584
40.00	30.54	38,382	19,112	
	35.38	44,456	25,186	
	40.21	50,530	31,260	
	45.04	56,604	37,334	25,527
	49.88	62,678	43,408	31,601
	54.71	68,752	49,482	37,675
	59.54	74,826	55,556	43,749
	64.38	80,900	61,630	49,823
	69.21	86,974	67,704	55,897
	74.04	93,048	73,778	61,971
	78.88	99,122	79,852	68,045
	83.71	105,196	85,926	74,119
	88.54	111,270	92,000	80,194
	93.38	117,344	98,074	86,268
	98.21	123,418	104,148	92,342
	43.08	30.54	44,514	20,670
35.38		51,558	27,715	
40.21		58,602	34,759	
45.04		65,647	41,804	27,016
49.88		72,691	48,848	34,061
54.71		79,736	55,892	41,105
59.54		86,780	62,937	48,150
64.38		93,825	69,981	55,194
69.21		100,869	77,026	62,239
74.04		107,914	84,070	69,283
78.88		114,958	91,115	76,327
83.71		122,002	98,159	83,372
88.54		129,047	105,204	90,416
93.38		136,091	112,248	97,461
98.21		139,152	120,020	105,766



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