



EQUIPMENT

Richi Machinery produces a variety of feed pellet equipment, including feed pellet machines, grinders, extruders, coolers, etc

Large capacity steel silo

Grain silo, in another name is paddy storage silo or steel grain storage silos, which is used for farm purpose, rice mill, flour mill, soybean-oil mill, animal feed mill plant, brewery plant and so on, the corn maize steel grain storage silo can be used to store grain (such as corn, maize, bulk wheat, corn, rice, paddy, sorghum, soya etc.), animal feed, cereal seeds, plastic pellet, wooden pellet etc



Features

1. Large capacity

One single steel Grain silo capacity is up to 10,000 tons with comprehensive configurations to meet customers' different requirements.

2. High accuracy

Complete advanced processing equipment and technology are introduced from USA to effectively ensure working accuracy and reduce damage to galvanized layer.

3. Less residues

External installable stiffeners contribute to less grain residues on steel Grain silo walls.

4. Detachable and movable

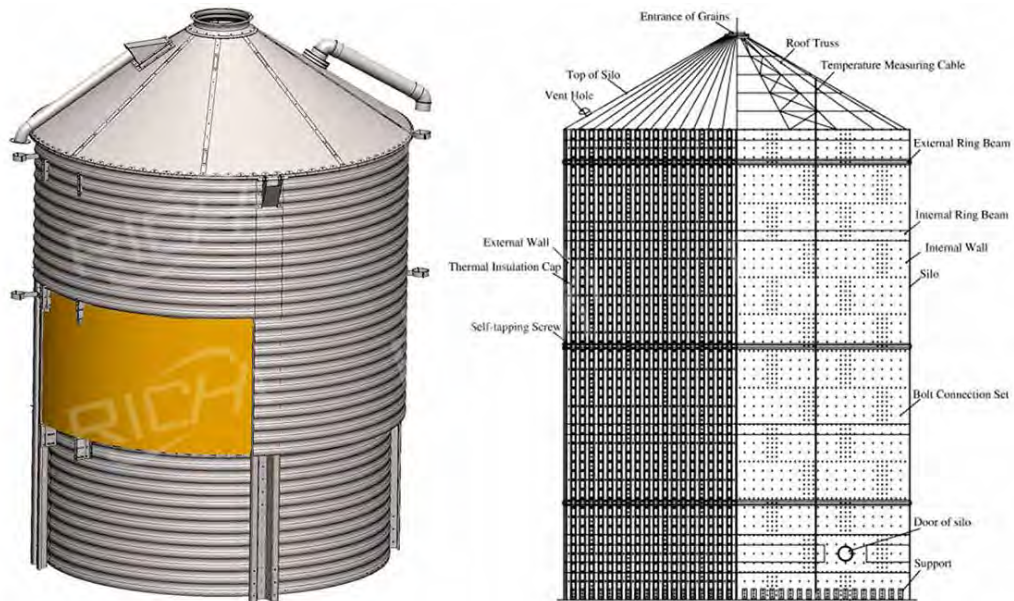
With standardized and modularized production, components and parts have a high standardization and good interchangeability, thus can be partially replaced or completely

transferred.

5. Hopper bottom silos in capacities from 10 tonnes to 2,000 tonnes

6. Flat bottom silos can reach the capacity of 10000 tons

Overview



Bottom show

Introduction of flat bottom steel silo's structure:

1. Silo body : the silo wall sheets are corrugated that is made of high quality galvanizing board; the sheets are bolted together by common or high strengthen bolts .The thickness of silo wall is designed according to the strengthen theory ,which makes the whole wall can afford even swelling tension. The handle equipment can make it more convenient to maintenance and unloading , such as silo doors, interior and exterior ladder and protecting net.
2. Radial beam silo roof support system : the roof is made of galvanizing board that is 0.8mm thick, and bolts are with galvanizing die .There are special equipments on the silo roof such as natural vents, manhole, roof ladders and secure cages and so on .
3. The main parts of the silo bin and roof are made of galvanizing board or spares which can make silo become even more steady and durable with longer life time, which is good to realize automatic work.

Advantages:

1. Lower cost, just 35%-50% of the cement silo cost with lightweight than cement warehouse, which can remove it for re-use. And its life span can up to 30 years.
2. Easy and quick install with short construction period, assembly silo saving time cost.
3. Standardization. The assembly silo is equipped with relevant accessories, such as conveyor, ventilation and monitoring devices, etc. to ensure the supporting facility's smooth operate and maintain easier for its standardization.

Parameters

Item Diameter (m)	Technical Parameter of Flat bottom silos (Roof degree:30, Effective width of sheets:1.12m)					
	Model	Ring	Volume	Capacity (t)	Height at eave (m)	Height at filler (m)
8.250	TCK08207	7	465	349	7.91	10.32
	TCK08208	8	525	393	9.03	11.44
	TCK08209	9	585	438	10.15	12.56
	TCK08210	10	644	483	11.27	13.68
	TCK08211	11	704	528	12.39	14.80
	TCK08212	12	764	573	13.51	15.92
	TCK08213	13	824	618	14.63	17.04
	TCK08214	14	884	663	15.75	18.16
10.084	TCK10008	8	798	599	9.03	11.97
	TCK10009	9	888	666	10.15	13.09
	TCK10010	10	977	733	11.27	14.21
	TCK10011	11	1067	800	12.39	15.33
	TCK10012	12	1156	867	13.51	16.45
	TCK10013	13	1245	934	14.63	17.57
	TCK10014	14	1335	1001	15.75	18.69
	TCK10015	15	1424	1068	16.87	19.81
11.918	TCK11910	10	1385	1038	11.27	14.74
	TCK11911	11	1509	1132	12.39	15.86
	TCK11912	12	1634	1226	13.51	16.98
	TCK11913	13	1759	1319	14.63	18.10
	TCK11914	14	1884	1413	15.75	19.22
	TCK11915	15	2009	1507	16.87	20.34
	TCK11916	16	2134	1601	17.99	21.46
	TCK11917	17	2259	1694	19.11	22.58
12.834	TCK12810	10	1617	1213	11.27	15.00
	TCK12811	11	1762	1321	12.39	16.12

	TCK12812	12	1907	1430	13.51	17.24
	TCK12813	13	2052	1539	14.63	18.36
	TCK12814	14	2197	1648	15.75	19.48
	TCK12815	15	2342	1756	16.87	20.60
	TCK12816	16	2487	1865	17.99	21.72
	TCK12817	17	2632	1974	19.11	22.84
14.668	TCK14612	12	2521	1890	13.51	17.77
	TCK14613	13	2710	2032	14.63	18.89
	TCK14614	14	2899	2174	15.75	20.01
	TCK14615	15	3089	2316	16.87	21.13
	TCK14616	16	3278	2458	17.99	22.25
	TCK14617	17	3467	2600	19.11	23.37
	TCK14618	18	3656	2742	20.23	24.49
	TCK14619	19	3846	2884	21.35	25.61
16.500	TCK16514	14	3707	2780	15.75	20.26
	TCK16515	15	3947	2960	16.87	21.38
	TCK16516	16	4186	3139	17.99	22.50
	TCK16517	17	4426	3319	19.11	23.62
	TCK16518	18	4665	3499	20.23	24.74
	TCK16519	19	4905	3678	21.35	25.86
	TCK16520	20	5144	3858	22.47	26.98
	TCK16521	21	5384	4038	23.59	28.10
18.334	TCK18314	14	4623	3467	15.75	20.76
	TCK18315	15	4919	3689	16.87	21.88
	TCK18316	16	5215	3911	17.99	23.00
	TCK18317	17	5510	4133	19.11	24.12
	TCK18318	18	5806	4354	20.23	25.24
	TCK18319	19	6102	4576	21.35	26.36
	TCK18320	20	6397	4798	22.47	27.48
	TCK18321	21	6693	5020	23.59	28.60
20.168	TCK20115	15	6008	4506	16.87	22.38
	TCK20116	16	6366	4774	17.99	23.50

	TCK20117	17	6724	5043	19.11	24.62
	TCK20118	18	7082	5311	20.23	25.74
	TCK20119	19	7439	5579	21.35	26.86
	TCK20120	20	7797	5848	22.47	27.98
	TCK20121	21	8155	6116	23.59	29.10
	TCK20122	22	8513	6385	24.71	30.22
22.000	TCK22015	15	7217	5413	16.87	22.88
	TCK22016	16	7643	5732	17.99	24.00
	TCK22017	17	8069	6052	19.11	25.12
	TCK22018	18	8495	6371	20.23	26.24
	TCK22019	19	8921	6690	21.35	27.36
	TCK22020	20	9347	7010	22.47	28.48
	TCK22021	21	9772	7329	23.59	29.6
	TCK22022	22	10198	7648	24.71	30.72