



**GWYDIR
GROUP**

Farm and Commercial
Onground Silo Range

SILOZ



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SILOZ SILOS

SilOz is a well-known and trusted name in the rural industry with a proven reputation spanning generations of farmers. All SilOz Silos are Australian made and manufactured at Jindera NSW by a dedicated team committed to supplying material of the highest quality and workmanship.

SilOz has been manufacturing silos right here in Australia for over 40 years, allowing farmers greater options in grain marketing. SilOz silos are manufactured from galvanised high strength sheet steel and hot dipped galvanised accessories, making them strong and durable.

With the increase in extreme weather conditions, SilOz has re-engineered our silos to offer 1 in 200 year event certification as standard (previously 1 in 100 year).

SilOz Silos engage a group of experienced grain storage advisors (AgriDealers) who offer advice on the best solution to suit your specific requirements, as well as organise the complete erection and installation of your silo grain storage system.

With the removal of the single desk and grain deregulation, farmers are building more silos to provide increased options for the marketing/selling of their grain.

Increased options include:

- **Ability to contract supply**
- **Blending to maximise price**
- **Facilitates faster harvest**
- **Variety segregation**
- **Choose when to sell**
- **Maximise transport options**
- **Insect control**
- **Moisture management**



ONGROUND SILOS

SilOz on-ground silos are available in a wide range of sizes, from 24 to 48 feet in diameter, and our standard designs are able to store from 218 to 1,743 tonnes of wheat (using a nominal bulk density of 830kg/m^3), as well as possessing the unique ability to be upgraded to increase your capacity as your business and storage requirements grow. SilOz on-ground silos with the ability to store from 2,000 to 5,000 tonnes of grain can be specifically designed and are available on request.

The wide corrugation profile of the galvanised steel walls reduces the risk of internal obstructions, limiting the risk of “hang-ups” which can harbour insects and fungi and lead to grain spoilage or downgrade.

The advanced design and heavier gauge steel sheets at the base mean that SilOz on-ground silos are strong and stable. This, combined with a specific roof slope, maximises the amount of poured grain that can be stored, making SilOz silos the obvious choice for your on-ground grain storage needs.

MANUFACTURE AND ERECTION OF SILOZ SILOS

SilOz are manufactured in Jindera NSW by a small dedicated team. We use local subcontractors and mostly Australian steel and materials. Silos are transported as kits around Australia and erected by SilOz AgriDealers on your site. AgriDealers will coordinate the addition of customer specific components for loading, ventilation and unloading, and are responsible for the construction of the silo together with determining the location of the silo on your site.

WARRANTY

SilOz guarantees the silo components it supplies to meet the applicable Australian Standards. However what SilOz offers is 40 years of continuous service to grain handling. Many SilOz silos have remained in service well after 25 years of use. SilOz continues to support farmers with a large range of new on-ground silos and parts needed to update or repair older silos. This commitment to Australia's grain growers is something SilOz Australian Made Silos are proud to offer.

SILOZ SILO DESIGN

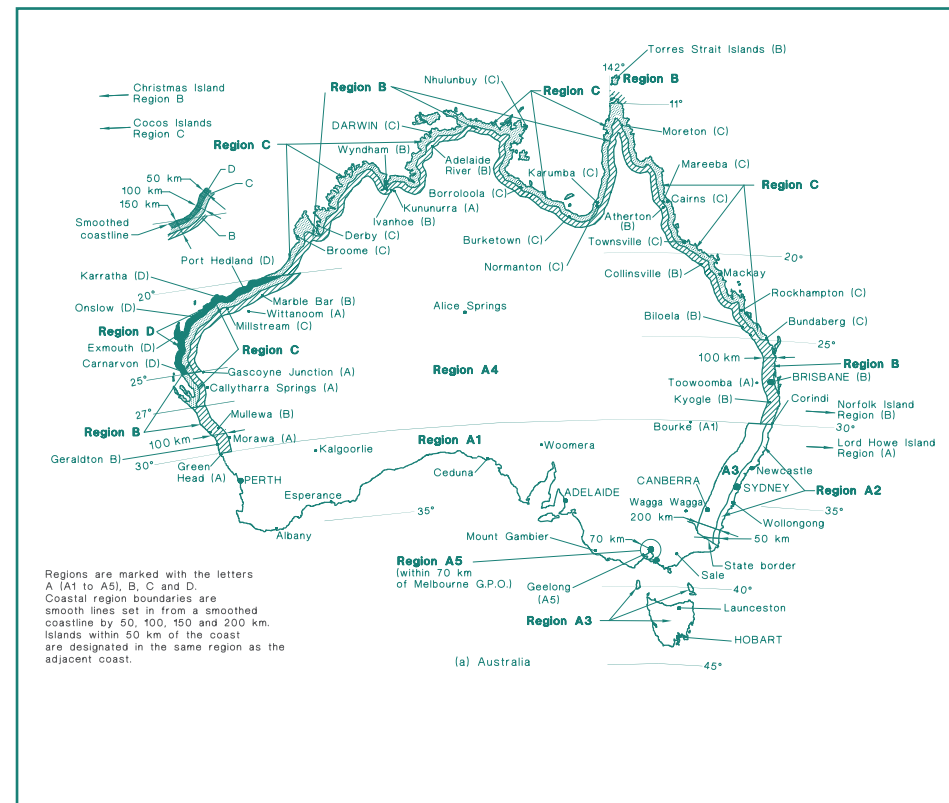
SilOz silos are designed to all applicable Australian Standards for grain load, terrain conditions and wind load.

AS3774-1996 describes the grain load condition applying in Australia. Using this standard means SilOz Silos today are stronger than they ever have been before to the increasing requirements of the standards.

AS1170.2-2011 describes the wind loading requirements for a silo built anywhere in Australia or New Zealand. The team at SilOz Silos understand the difference site and location has on the wind loading and what the silo must withstand.

The standard CA model is designed for installation in a cluster of other silos, in wind region A of Australia, and Importance level 2 meaning suitable to withstand a 1/200 year wind event. If however your requirement is north of the 30 degree South latitude in region B then our stronger CB silo may suit. The CB silo may also suit if your site is on the edge of an escarpment.

SilOz can provide a model specific design review statement and certified foundation construction drawings which may be used to support any council DA requirement.



Note, it is the responsibility of the AgriDealer or contractor constructing the silo at your site to determine if your proposed site is suitable for your silo.



FARM ON-GROUND SILOS

FARM

ON-GROUND SILO SPECIFICATIONS

Notes: All dimensions are in metres, unless noted, and nominal.

*Approximate capacity in tonnes based on wheat having a nominal bulk density of 830kg/m³

Silo Model	Diameter (ft/m)	Tiers	Eave Height (m)	Overall Height (m)	Volume (m ³)	Capacity (tonnes)*
2418CA	24'/7.3m	5	5.59	7.70	262	218
2422CA		6	6.70	8.82	309	257
2426CA		7	7.82	9.94	356	295
2429CA		8	8.94	11.06	402	334
2433CA		9	10.06	12.18	449	373
2437CA		10	11.18	13.30	496	411
2440CA		11	12.30	14.42	542	450
2444CA		12	13.44	15.54	589	489
3018CA	30'/9.1m	5	5.59	8.12	422	350
3022CA		6	6.70	9.32	494	410
3026CA		7	7.82	10.44	567	471
3029CA		8	8.94	11.56	640	531
3033CA		9	10.06	12.67	713	592
3037CA		10	11.18	13.79	786	652
3040CA		11	12.30	14.91	859	713
3618CA	36'/10.9m	5	5.59	8.67	623	517
3622CA		6	6.70	9.88	728	604
3626CA		7	7.82	11.00	833	692
3629CA		8	8.94	12.12	938	779
3633CA		9	10.06	13.23	1043	866
3637CA		10	11.18	14.35	1148	953
3640CA		11	12.30	15.47	1253	1040
4218CA	42'/12.8m	5	5.59	9.27	871	723
4222CA		6	6.70	10.39	1014	841
4226CA		7	7.82	11.51	1157	960
4229CA		8	8.94	12.62	1300	1079
4233CA		9	10.06	13.47	1442	1197
4237CA		10	11.18	14.86	1585	1316
4822CA	48'/14.6m	6	6.70	10.99	1353	1123
4826CA		7	7.82	12.11	1540	1278
4829CA		8	8.94	13.23	1727	1433
4833CA		9	10.06	14.35	1913	1588
4837CA		10	11.18	15.47	2100	1743

COMMERCIAL ON-GROUND SILOS

SPECIFICATIONS FOR COMMERCIAL USE

Type	Silo Model	No. Sheets	Diameter (m)	Tiers	Eave (m)	Fill Height (m)	Internal (m³)	Tonnes Capacity - Wheat		
								Min. Density (t)	Nominal (t)	Max. Density (t)
Stiffened	6066	20	18.208	18	20.16	25.42	5705	4279	4735	5237
	6063	20		17	19.04	24.30	5414	4060	4493	4970
	6059	20		16	17.92	23.18	5122	3842	4251	4702
	6055	20		15	16.80	22.06	4830	3623	4009	4434
	6051	20		14	15.68	20.94	4539	3404	3767	4167
	6048	20		13	14.56	19.82	4247	3185	3525	3899
Partially Stiffened	6044	20		12	13.44	18.70	3956	2967	3283	3631
	6040	20		11	12.32	17.58	3664	2748	3041	3364
	6037	20		10	11.20	16.46	3372	2529	2799	3096
Unstiffened	6033	20		9	10.08	15.34	3081	2311	2557	2828
	6029	20		8	8.96	14.22	2789	2092	2315	2560
	6026	20		7	7.84	13.10	2497	1873	2073	2293
	6022	20		6	6.72	11.98	2206	1654	1831	2025
		20		5	5.60	10.86	1914	1436	1589	1757

COMMERCIAL ON-GROUND SILO SPECIFICATIONS (continued)

Type	Silo Model	No. Sheets	Diameter (m)	Tiers	Eave (m)	Fill Height (m)	Internal (m³)	Tonnes Capacity - Wheat		
								Min. Density (t)	Nominal (t)	Max. Density (t)
Stiffened	5466	18	16.387	18	20.16	24.89	4584	3438	3805	4208
	5463	18		17	19.04	23.77	4348	3261	3609	3992
	5459	18		16	17.92	22.65	4112	3084	3413	3775
	5455	18		15	16.80	21.53	3876	2907	3217	3558
	5451	18		14	15.68	20.41	3639	2730	3021	3341
	5448	18		13	14.56	19.29	3403	2552	2825	3124
Partially Stiffened	5444	18	14.566	12	13.44	18.17	3167	2375	2629	2907
	5440	18		11	12.32	17.05	2931	2198	2433	2691
	5437	18		10	11.20	15.93	2695	2021	2237	2474
Unstiffened	5433	18	12.746	9	10.08	14.81	2458	1844	2041	2257
	5429	18		8	8.96	13.69	2222	1667	1844	2040
		18		7	7.84	12.57	1986	1490	1648	1823
Stiffened	4872	16	14.566	20	22.40	26.60	3966	2975	3292	3641
	4869	16		19	21.28	25.48	3780	2835	3137	3470
	4866	16		18	20.16	24.36	3593	2695	2982	3298
	4863	16		17	19.04	23.24	3406	2555	2827	3127
	4859	16		16	17.92	22.12	3220	2415	2672	2956
	4855	16		15	16.80	21.00	3033	2275	2517	2784
	4851	16		14	15.68	19.88	2846	2135	2363	2613
Partially Stiffened	4848	16	12.746	13	14.56	18.76	2660	1995	2208	2442
	4844	16		12	13.44	17.64	2473	1855	2053	2270
	4840	16		11	12.32	16.52	2287	1715	1898	2099
Stiffened	4266	14	12.746	18	20.16	23.84	2729	2046	2265	2505
	4263	14		17	19.04	22.72	2586	1939	2146	2374
	4259	14		16	17.92	21.60	2443	1832	2027	2242
	4255	14		15	16.80	20.48	2300	1725	1909	2111
	4251	14		14	15.68	19.36	2157	1618	1790	1980
Partially Stiffened	4248	14	12.746	13	14.56	18.24	2014	1511	1672	1849
	4244	14		12	13.44	17.12	1871	1403	1553	1718
	4240	14		11	12.32	16.00	1728	1296	1434	1587

DESIGN EXAMPLES

**Height does not include concrete foundation, only the silo.*



SilOz Silo Model: 2433CA

Nominal Wheat Capacity (t): 373
Overall Height of Silo (m)*: 12.18
Diameter of Silo (ft/m): 24'/7.3m



SilOz Silo Model: 2444CA

Nominal Wheat Capacity (t): 489
Overall Height of Silo (m)*: 15.54
Diameter of Silo (ft/m): 24'/7.3m



SilOz Silo Model: 3022CA

Nominal Wheat Capacity (t): 410
Overall Height of Silo (m)*: 9.32
Diameter of Silo (ft/m): 30'/9.1m



SilOz Silo Model: 3029CA

Nominal Wheat Capacity (t): 531
Overall Height of Silo (m)*: 11.56
Diameter of Silo (ft/m): 30'/9.1m



SilOz Silo Model: 3626CA

Nominal Wheat Capacity (t): 692
Overall Height of Silo (m)*: 11.00
Diameter of Silo (ft/m): 36'/10.9m



SilOz Silo Model: 3637CA

Nominal Wheat Capacity (t): 953
Overall Height of Silo (m)*: 14.35
Diameter of Silo (ft/m): 36'/10.9m



SilOz Silo Model: 3640CA

Nominal Wheat Capacity (t): 1040
Overall Height of Silo (m)*: 15.47
Diameter of Silo (ft/m): 36'/10.9m



SilOz Silo Model: 4218CA

Nominal Wheat Capacity (t): 723
Overall Height of Silo (m)*: 9.27
Diameter of Silo (ft/m): 42'/12.8m

DESIGN EXAMPLES

**Height does not include concrete foundation, only the silo.*



SilOz Silo Model: 4226CA

Nominal Wheat Capacity (t): 960
Overall Height of Silo (m)*: 11.51
Diameter of Silo (ft/m): 42'/12.8m



SilOz Silo Model: 4233CA

Nominal Wheat Capacity (t): 1197
Overall Height of Silo (m)*: 13.47
Diameter of Silo (ft/m): 42'/12.8m



SilOz Silo Model: 4237CA

Nominal Wheat Capacity (t): 1316
Overall Height of Silo (m)*: 14.86
Diameter of Silo (ft/m): 42'/12.8m



SilOz Silo Model: 4837CA

Nominal Wheat Capacity (t): 1743
Overall Height of Silo (m)*: 15.47
Diameter of Silo (ft/m): 48'/14.6m

On-farm storage gives you greater control!

- ✓ Increased harvest management flexibility
- ✓ 24/7 access to your grain
- ✓ Insect control
- ✓ Variety segregation
- ✓ Moisture management

Proudly made and manufactured in Australia!

- ✓ Strong galvanised steel construction
- ✓ Quality service and support
- ✓ Ability to be upgraded to increase capacity
- ✓ Well known and trusted reputation

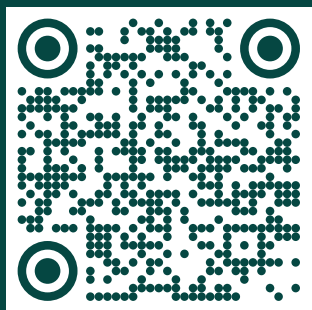


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CONSTRUCTIONS
& AGRICULTURE

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