

# Hopper silo models

## Hopper silos at 45°

Models	Wall ring number		4	5	6	7	8	9	10	11	12	13	14	15	16
Diameter (m)	Cylinder Height		4,58	5,72	6,86	8,01	9,15	10,30	11,44	12,58	13,73	14,87	16,02	17,16	18,30
	Roof Height	Column Height 1 m													
4,58	1,26	3,00	95	114	133	151	170	189	208	226	245	264	283	302	320
5,35	1,60	3,60	134	160	185	211	237	262	288	314	339	365	390	416	442
6,11	1,77	3,90	181	214	248	281	314	348	381	415	448	482	515	548	582
6,88	2,08	4,30	237	279	322	364	406	449	491	534	576	618	661	703	745
7,64	2,20	4,60	301	353	406	458	510	562	615	667	719	771	824	876	928
8,40	2,41	5,00	375	438	501	565	628	691	754	817	881	944	1.007	1.070	1.133
9,17	2,64	5,50	460	536	611	686	762	837	912	987	1.063	1.138	1.213	1.289	1.364
10,70	3,11	6,30	663	765	868	971	1.073	1.176	1.278	1.380	1.483	1.585	1.688	1.790	1.893

## Hopper silos at 60°

Models	Wall ring number		2	4	4	5	6	7	8	9	10	11	12	13	14	15	16
Diámetro (m)	Cylinder Height		2,29	3,43	4,58	5,72	6,86	8,01	9,15	10,30	11,44	12,58	13,73	14,87	16,02	17,16	18,30
	Roof Height	Column Height 1 m															
3,50	1,01	3,60	32	42	52	64	-	-	-	-	-	-	-	-	-	-	-
3,82	1,03	4,00	-	-	69	82	95	108	121	135	148	-	-	-	-	-	-
4,58	1,26	4,30	-	-	104	123	142	161	180	199	217	236	255	274	293	312	330
5,35	1,60	5,00	-	-	149	175	200	226	252	278	303	329	355	380	406	432	458
6,11	1,77	5,60	-	-	203	237	270	304	337	371	404	438	471	505	538	572	605
6,88	2,08	6,30	-	-	268	311	353	396	439	481	524	566	609	651	694	736	779
7,64	2,20	7,00	-	-	344	397	449	502	554	607	659	712	764	816	869	921	974
8,40	2,41	7,60	-	-	433	496	559	623	686	750	813	876	940	1.003	1.067	1.130	1.193
9,17	2,64	8,30	-	-	535	611	686	762	837	913	988	1.064	1.140	1.215	1.291	1.366	1.442
10,70	3,11	9,70	-	-	782	885	987	1.090	1.193	1.296	1.399	1.502	1.605	1.707	1.810	1.913	2.016

Capacities are estimated and show in m<sup>3</sup>.

Total silo high is the result of adding roof height + eave height + support structure height (support structure height = height from the ground to the first wall ring).

Silo outlet is between 1m – 1,5m height. Other highs upon request.