



SILOS



MORE OVER 18 YEARS DEALING WITH  
NEW CHALLENGES AROUND THE WORLD

MADE IN SPAIN



Management  
System  
ISO 9001:2008

[www.tuv.com](http://www.tuv.com)  
ID 9105072451







# SILO ASENTADO

Silo asentado fabricado en acero de alta resistencia S350GD con galvanizado Z-600 (600 gr/m<sup>2</sup>) y refuerzos verticales atornillados de manera exterior.

Flat Bottom Silo manufactured in corrugated panels of high strength steel S350 GD with galvanization Z-600 (600 gr/m<sup>2</sup>) and vertical stiffeners screwed outside.

Uniones totalmente atornilladas con tornillería bicromatada 8.8 y arandelas de goma INCLUIDAS.

Completely bolted unions with 8.8 bicromated bolts&nuts with rubber washers INCLUDED.

Masilla BSD compuesta para el sellado de las uniones de los paneles INCLUIDA.

Mastic BSD compound for sealing panel unions INCLUDED.

Placas de fijación con tornillo/taco de fijación al suelo INCLUIDOS.

Fixation plates and fasteners to ground INCLUDED.

Chimeneas de ventilación y escalera en techo INCLUIDAS.

Aireation vents and ladder on roof INCLUDED.

Puerta de inspección en techo y en Segundo anillo con plataforma de acceso y escalera interior para acceso al fondo del silo INCLUIDAS.

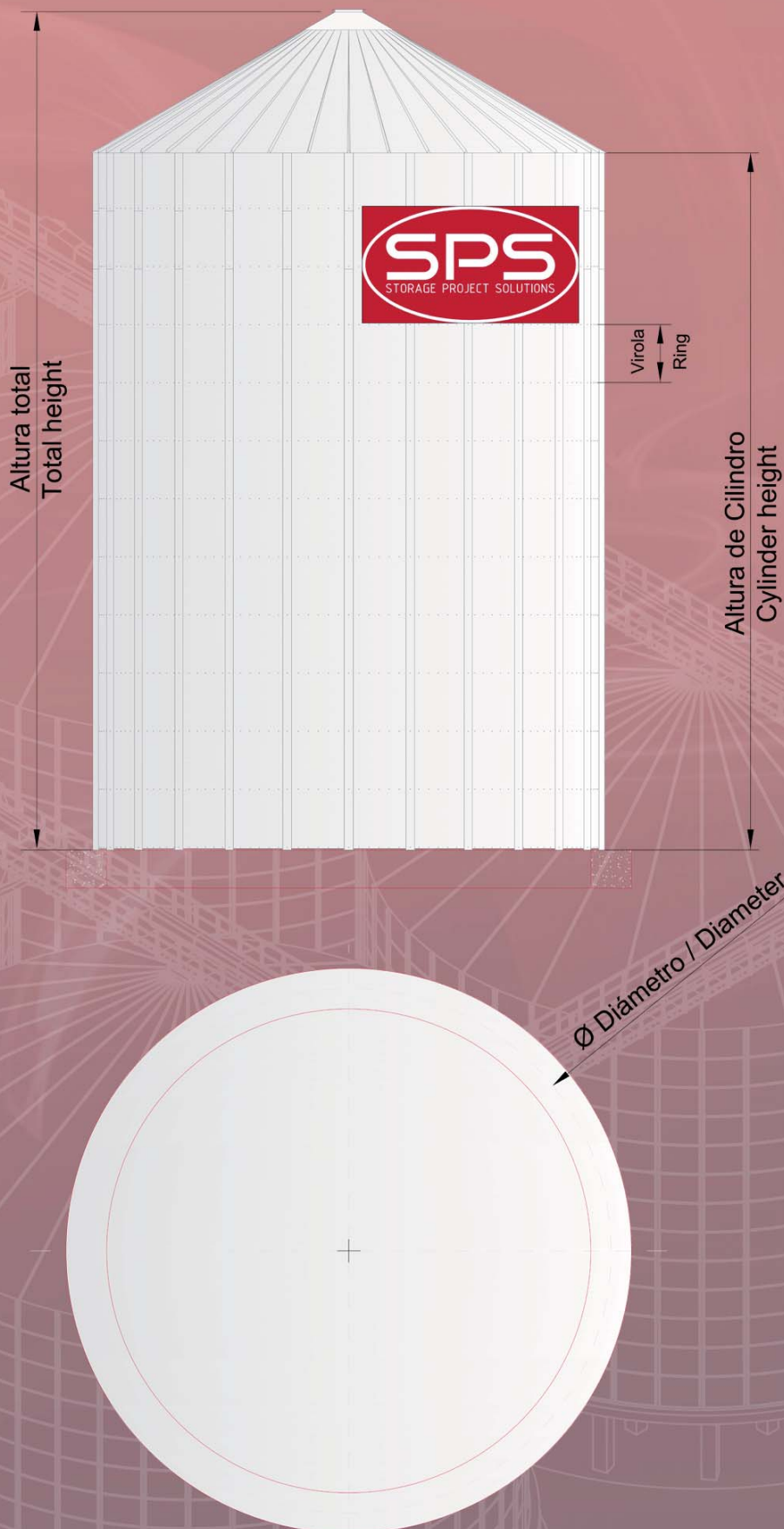
Inspection door on roof and inspection door on second wallring with access platform and scale for access to silo floor INCLUDED.

Escalera de acceso a techo con protección de acuerdo a UNE-EN-ISO 14122 y plataforma de descanso cada 6 metros como OPCIONAL.

Access ladder to roof with protection according to UNE-EN-ISO 14122 and rest platform each 6 meters as OPTIONAL.



# FLAT BOTTOM SILO







# SILO ASENTADO

3,64

MODEL	CYLINDER HEIGHT	TOTAL HEIGHT	CAPACITY	EURO WEIGHT	ANSI WEIGHT
MODELO	ALTURA DE CILINDRO	ALTURA TOTAL	CAPACIDAD	PESO EURO	PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
3,64/04	4,58	5,61	51,13	951,09	951,09
3,64/05	5,72	6,75	63,00	1.105,50	1.105,50
3,64/06	6,86	7,89	74,87	1.273,80	1.273,80
3,64/07	8,01	9,03	86,74	1.517,50	1.517,50
3,64/08	9,15	10,17	98,61	1.685,80	1.685,80
3,64/09	10,30	11,31	110,48	1.964,03	1.964,03
3,64/10	11,44	12,45	122,35	2.132,33	2.132,33
3,64/11	12,58	13,59	134,22	2.410,56	2.410,56
3,64/12	13,73	14,73	146,09	2.604,77	2.604,77
3,64/13	14,87	15,87	157,96	2.963,33	2.934,81
3,64/14	16,02	17,01	169,83	3.209,36	3.129,02
3,64/15	17,16	18,51	181,70	3.578,26	3.487,58
3,64/16	18,30	19,29	193,57	3.837,25	3.681,79
3,64/17	19,45	20,43	205,44	4.245,02	3.985,85
3,64/18	20,59	21,57	217,31	4.672,22	4.179,93
3,64/19	21,74	22,71	229,18	5.170,86	4.510,17
3,64/20	22,88	23,85	241,05	5.559,40	4.730,30
3,64/21	24,02	24,99	252,92	6.122,63	5.099,20
3,64/22	25,17	26,13	264,79	6.604,75	5.358,19
3,64/23	26,31	27,27	276,66	7.232,75	5.727,09
3,64/24	27,46	28,41	288,53	8.020,31	6.226,31

4,55

MODEL	CYLINDER HEIGHT	TOTAL HEIGHT	CAPACITY	EURO WEIGHT	ANSI WEIGHT
MODELO	ALTURA DE CILINDRO	ALTURA TOTAL	CAPACIDAD	PESO EURO	PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
4,55/04	4,58	5,87	81,28	1.204,10	1.204,10
4,55/05	5,72	7,01	99,82	1.397,11	1.397,11
4,55/06	6,86	8,15	118,36	1.607,49	1.607,49
4,55/07	8,01	9,29	136,90	1.912,11	1.912,11
4,55/08	9,15	10,43	155,44	2.122,50	2.122,50
4,55/09	10,30	11,57	173,98	2.470,27	2.470,27
4,55/10	11,44	12,71	192,52	2.680,65	2.680,65
4,55/11	12,58	13,85	211,06	3.028,42	3.028,42
4,55/12	13,73	14,99	229,60	3.238,81	3.238,81
4,55/13	14,87	16,13	248,14	3.654,62	3.618,96
4,55/14	16,02	17,27	266,68	3.897,39	3.929,78
4,55/15	17,16	18,41	285,22	4.342,32	4.309,94
4,55/16	18,30	19,55	303,76	4.617,48	4.552,72
4,55/17	19,45	20,69	322,30	5.078,59	4.932,86
4,55/18	20,59	21,83	340,84	5.450,93	5.175,64
4,55/19	21,74	22,97	359,38	6.009,20	5.555,79
4,55/20	22,88	24,11	377,92	6.413,91	5.798,56
4,55/21	24,02	25,25	396,46	7.150,33	6.243,49
4,55/22	25,17	26,39	415,00	7.591,07	6.518,65
4,55/23	26,31	27,53	433,54	8.284,06	7.150,52
4,55/24	27,46	28,67	452,08	9.160,30	7.581,73



# FLAT BOTTOM SILO



FLAT BOTTOM SILO

HOPPER BOTTOM SILO

BULK LOAD SILO

5,46

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
5,46/04	4,58	6,14	119,06	1.471,90	1.471,90
5,46/05	5,72	7,28	145,75	1.703,50	1.703,50
5,46/06	6,86	8,42	172,44	1.955,97	1.955,97
5,46/07	8,01	9,56	199,13	2.321,51	2.321,51
5,46/08	9,15	10,70	225,82	2.573,97	2.573,97
5,46/09	10,30	11,84	252,51	3.069,03	2.991,30
5,46/10	11,44	12,98	279,20	3.360,36	3.243,77
5,46/11	12,58	14,12	305,89	3.855,39	3.661,07
5,46/12	13,73	15,26	332,58	4.267,24	3.913,54
5,46/13	14,87	16,40	359,27	4.723,43	4.412,52
5,46/14	16,02	17,54	385,96	5.014,76	4.703,84
5,46/15	17,16	18,68	412,65	5.470,95	5.160,03
5,46/16	18,30	19,82	439,34	5.762,27	5.451,36
5,46/17	19,45	20,96	466,03	6.296,20	5.907,55
5,46/18	20,59	22,10	492,72	6.684,69	6.198,88
5,46/19	21,74	23,24	519,41	7.238,02	6.655,07
5,46/20	22,88	24,38	546,10	7.684,82	6.946,39
5,46/21	24,02	25,52	572,79	8.339,68	7.402,58
5,46/22	25,17	26,66	599,48	8.870,38	7.738,96
5,46/23	26,31	27,80	626,17	9.811,52	8.408,05
5,46/24	27,46	28,94	652,86	10.657,61	9.171,39

6,37

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
6,37/04	4,58	6,40	164,71	1.754,45	1.754,45
6,37/05	5,72	7,54	201,01	2.024,67	2.024,67
6,37/06	6,86	8,68	237,31	2.319,20	2.319,20
6,37/07	8,01	9,82	273,61	2.745,67	2.745,67
6,37/08	9,15	10,96	309,91	3.040,20	3.040,20
6,37/09	10,30	12,10	346,21	3.527,09	3.527,09
6,37/10	11,44	13,24	382,51	3.821,63	3.821,63
6,37/11	12,58	14,38	418,81	4.494,44	4.353,84
6,37/12	13,73	15,52	455,11	4.834,33	4.693,72
6,37/13	14,87	16,66	491,41	5.367,54	5.322,20
6,37/14	16,02	17,80	527,71	5.706,42	5.661,09
6,37/15	17,16	18,94	564,01	6.238,64	6.193,30
6,37/16	18,30	20,08	600,31	6.578,52	6.533,19
6,37/17	19,45	21,22	636,61	7.110,75	7.065,40
6,37/18	20,59	22,36	672,91	7.495,97	7.405,29
6,37/19	21,74	23,50	709,21	8.368,25	7.937,51
6,37/20	22,88	24,64	745,51	8.924,48	8.329,94
6,37/21	24,02	25,78	781,81	9.570,06	8.857,01
6,37/22	25,17	26,92	818,11	10.143,87	9.244,28
6,37/23	26,31	28,06	854,41	10.977,03	9.873,31
6,37/24	27,46	29,20	890,71	11.949,69	10.580,47





# SILO ASENTADO

7,28

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
7,28/04	4,58	6,66	218,76	164,07	2.051,79
7,28/05	5,72	7,80	266,17	199,63	2.360,60
7,28/06	6,86	8,94	313,58	235,19	2.697,22
7,28/07	8,01	10,08	360,99	270,74	3.184,60
7,28/08	9,15	11,22	408,40	306,30	3.521,23
7,28/09	10,30	12,36	455,81	341,86	4.077,66
7,28/10	11,44	13,50	503,22	377,42	4.414,28
7,28/11	12,58	14,64	550,63	412,97	5.022,52
7,28/12	13,73	15,78	598,04	448,53	5.462,78
7,28/13	14,87	16,92	645,45	484,09	6.490,80
7,28/14	16,02	18,06	692,86	519,65	6.931,06
7,28/15	17,16	19,20	740,27	555,20	7.591,13
7,28/16	18,30	20,34	787,68	590,76	8.031,39
7,28/17	19,45	21,48	835,09	626,32	8.751,52
7,28/18	20,59	22,62	882,50	661,88	9.269,52
7,28/19	21,74	23,76	929,91	697,43	10.007,31
7,28/20	22,88	24,90	977,32	732,99	10.645,44
7,28/21	24,02	26,04	1.024,73	768,55	11.383,23
7,28/22	25,17	27,18	1.072,14	804,11	12.018,94
7,28/23	26,31	28,32	1.119,55	839,66	12.949,20
7,28/24	27,46	29,46	1.166,96	875,22	13.587,35

8,19

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
8,19/04	4,58	6,96	281,51	2.363,89	2.363,89
8,19/05	5,72	8,06	341,52	2.711,31	2.711,31
8,19/06	6,86	9,20	401,53	3.148,29	3.148,29
8,19/07	8,01	10,34	461,54	3.754,89	3.754,89
8,19/08	9,15	11,48	521,55	4.250,19	4.191,89
8,19/09	10,30	12,62	581,56	5.051,06	4.876,17
8,19/10	11,44	13,76	641,57	5.662,94	5.313,16
8,19/11	12,58	14,90	701,58	6.586,30	5.764,26
8,19/12	13,73	16,04	761,59	7.052,44	6.265,44
8,19/13	14,87	17,18	821,60	8.086,50	7.445,24
8,19/14	16,02	18,32	881,61	8.640,08	8.436,04
8,19/15	17,16	19,46	941,62	9.470,11	9.266,07
8,19/16	18,30	20,60	1.001,63	10.052,83	9.848,79
8,19/17	19,45	21,74	1.061,64	10.882,85	10.678,81
8,19/18	20,59	22,88	1.121,65	11.656,30	11.416,58
8,19/19	21,74	24,02	1.181,66	12.661,21	12.625,53
8,19/20	22,88	25,16	1.241,67	13.135,62	13.139,07
8,19/21	24,02	26,30	1.301,68	13.955,67	14.121,36
8,19/22	25,17	27,44	1.361,69	14.812,88	15.367,46
8,19/23	26,31	28,58	1.421,70	15.718,37	15.993,44
8,19/24	27,46	29,72	1.481,71	16.880,09	17.225,43



# FLAT BOTTOM SILO



FLAT BOTTOM SILO

HOPPER BOTTOM SILO

BULK LOAD SILO

## 9,10

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
9,10/04	4,58	7,19	351,14	2.949,84	2.949,84
9,10/05	5,72	8,33	427,21	3.465,42	3.400,64
9,10/06	6,86	9,47	501,28	4.015,72	3.886,18
9,10/07	8,01	10,61	575,35	4.754,52	4.560,19
9,10/08	9,15	11,75	649,42	5.401,99	5.110,51
9,10/09	10,30	12,89	723,49	6.324,23	5.806,04
9,10/10	11,44	14,03	797,56	6.971,71	6.356,36
9,10/11	12,58	15,17	871,63	8.018,97	7.116,68
9,10/12	13,73	16,31	945,70	8.655,36	7.803,09
9,10/13	14,87	17,45	1.019,77	9.566,54	8.628,17
9,10/14	16,02	18,59	1.093,84	10.300,09	9.178,49
9,10/15	17,16	19,73	1.167,91	11.211,26	10.003,58
9,10/16	18,30	20,87	1.241,98	11.922,75	11.283,02
9,10/17	19,45	22,01	1.316,05	12.833,91	12.194,18
9,10/18	20,59	23,15	1.390,12	13.692,53	12.980,77
9,10/19	21,74	24,29	1.464,19	14.603,70	13.986,86
9,10/20	22,88	25,43	1.538,26	15.390,28	14.940,44
9,10/21	24,02	26,57	1.612,33	16.466,95	16.112,05
9,10/22	25,17	27,71	1.686,40	17.103,33	16.843,39
9,10/23	26,31	28,85	1.760,47	18.314,87	18.149,86
9,10/24	27,46	29,99	1.834,54	18.951,27	18.890,07

## 10,01

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
10,01/04	4,58	7,45	434,21	3.317,39	3.317,39
10,01/05	5,72	8,59	523,84	3.805,14	3.813,26
10,01/06	6,86	9,73	613,47	4.452,55	4.468,80
10,01/07	8,01	10,87	703,10	5.135,89	5.090,63
10,01/08	9,15	12,01	792,73	5.729,62	5.694,13
10,01/09	10,30	13,15	882,36	6.627,46	6.530,47
10,01/10	11,44	14,29	971,99	7.327,51	7.135,82
10,01/11	12,58	15,43	1.061,62	8.479,48	8.043,41
10,01/12	13,73	16,57	1.151,25	9.179,52	8.905,34
10,01/13	14,87	17,71	1.240,88	10.181,80	9.919,81
10,01/14	16,02	18,85	1.330,51	11.152,22	10.632,04
10,01/15	17,16	19,99	1.420,14	12.398,19	11.646,50
10,01/16	18,30	21,13	1.509,77	13.285,27	12.441,34
10,01/17	19,45	22,27	1.599,40	14.492,33	14.394,37
10,01/18	20,59	23,41	1.689,03	15.379,42	15.343,11
10,01/19	21,74	24,55	1.778,66	16.495,88	16.449,82
10,01/20	22,88	25,69	1.868,29	17.647,62	17.750,43
10,01/21	24,02	26,83	1.957,92	18.754,11	18.926,77
10,01/22	25,17	27,97	2.047,55	20.051,53	20.293,58
10,01/23	26,31	29,11	2.137,18	21.158,23	21.469,92
10,01/24	27,46	30,25	2.226,81	22.293,12	22.674,44





# SILO ASENTADO

10,92

MODEL	CYLINDER HEIGHT	TOTAL HEIGHT	CAPACITY	EURO WEIGHT	ANSI WEIGHT
MODELO	ALTURA DE CILINDRO	ALTURA TOTAL	CAPACIDAD	PESO EURO	PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
10,92/04	4,58	7,71	524,96	3.699,72	3.466,54
10,92/05	5,72	8,85	631,63	4.318,40	4.007,48
10,92/06	6,86	9,99	738,30	4.968,17	4.590,18
10,92/07	8,01	11,13	844,97	5.844,04	5.398,95
10,92/08	9,15	12,27	951,64	6.607,73	5.972,75
10,92/09	10,30	13,41	1.058,31	7.701,12	6.876,24
10,92/10	11,44	14,55	1.164,98	8.454,16	7.526,00
10,92/11	12,58	15,69	1.271,65	9.710,84	8.668,74
10,92/12	13,73	16,83	1.378,32	10.474,53	9.318,49
10,92/13	14,87	17,97	1.484,99	11.987,47	10.645,09
10,92/14	16,02	19,11	1.591,66	12.865,07	11.408,77
10,92/15	17,16	20,25	1.698,33	14.186,33	12.502,15
10,92/16	18,30	21,39	1.805,00	15.063,95	13.265,84
10,92/17	19,45	22,53	1.911,67	16.475,52	14.449,55
10,92/18	20,59	23,67	2.018,34	17.737,35	15.711,88
10,92/19	21,74	24,81	2.125,01	19.315,87	19.303,77
10,92/20	22,88	25,95	2.231,68	20.369,82	20.573,30
10,92/21	24,02	27,09	2.338,35	22.163,94	23.170,84
10,92/22	25,17	28,23	2.445,02	23.241,72	24.327,14
10,92/23	26,31	29,37	2.551,69	25.085,95	26.363,83
10,92/24	27,46	30,51	2.658,36	26.815,87	28.286,20

11,83

MODEL	CYLINDER HEIGHT	TOTAL HEIGHT	CAPACITY	EURO WEIGHT	ANSI WEIGHT
MODELO	ALTURA DE CILINDRO	ALTURA TOTAL	CAPACIDAD	PESO EURO	PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
11,83/04	4,58	7,97	625,72	4.096,90	3.928,48
11,83/05	5,72	9,11	750,91	4.755,60	4.514,51
11,83/06	6,86	10,25	876,10	5.459,49	5.145,72
11,83/07	8,01	11,39	1.001,29	6.531,81	6.012,32
11,83/08	9,15	12,53	1.126,48	7.359,13	6.716,21
11,83/09	10,30	13,67	1.251,67	8.543,64	7.777,31
11,83/10	11,44	14,81	1.376,86	9.494,39	8.481,20
11,83/11	12,58	15,95	1.502,05	11.102,67	9.842,62
11,83/12	13,73	17,09	1.627,24	12.176,85	10.669,93
11,83/13	14,87	18,23	1.752,43	13.484,79	11.854,46
11,83/14	16,02	19,37	1.877,62	14.674,71	12.681,77
11,83/15	17,16	20,51	2.002,81	16.147,23	13.866,30
11,83/16	18,30	21,65	2.128,00	17.401,30	14.914,65
11,83/17	19,45	22,79	2.253,19	18.978,59	16.222,60
11,83/18	20,59	23,93	2.378,38	20.218,00	17.462,24
11,83/19	21,74	25,07	2.503,57	21.943,27	19.082,95
11,83/20	22,88	26,21	2.628,76	23.510,40	20.131,32
11,83/21	24,02	27,35	2.753,95	25.926,30	25.847,67
11,83/22	25,17	28,49	2.879,14	27.468,40	27.389,77
11,83/23	26,31	29,63	3.004,33	29.371,13	29.500,99
11,83/24	27,46	30,77	3.129,52	31.977,01	32.595,01



# FLAT BOTTOM SILO



FLAT BOTTOM SILO

HOPPER BOTTOM SILO

BULK LOAD SILO

## 12,74

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
12,74/04	4,58	8,24	736,93	6.499,35	6.421,08
12,74/05	5,72	9,38	882,14	7.208,74	7.052,19
12,74/06	6,86	10,52	1.027,35	8.222,29	7.690,59
12,74/07	8,01	11,66	1.172,56	9.377,08	8.712,48
12,74/08	9,15	12,80	1.317,77	10.400,97	9.470,52
12,74/09	10,30	13,94	1.462,98	11.809,50	10.746,13
12,74/10	11,44	15,08	1.608,19	13.245,44	11.637,10
12,74/11	12,58	16,22	1.753,40	14.742,60	13.103,24
12,74/12	13,73	17,36	1.898,61	15.855,12	13.994,21
12,74/13	14,87	18,50	2.043,82	17.573,80	15.402,74
12,74/14	16,02	19,64	2.189,03	18.907,85	16.426,65
12,74/15	17,16	20,78	2.334,24	20.836,79	18.045,43
12,74/16	18,30	21,92	2.479,45	22.275,97	19.174,46
12,74/17	19,45	23,06	2.624,66	24.095,52	20.583,00
12,74/18	20,59	24,20	2.769,87	25.651,10	21.695,51
12,74/19	21,74	25,34	2.915,08	27.811,76	23.735,48
12,74/20	22,88	26,48	3.060,29	29.817,84	25.374,22
12,74/21	24,02	27,62	3.205,50	31.551,53	26.972,23
12,74/22	25,17	28,76	3.350,71	33.125,10	33.758,72
12,74/23	26,31	29,90	3.495,92	35.725,77	36.359,38
12,74/24	27,46	31,04	3.641,13	37.550,51	38.184,23

## 14,56

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
14,56/04	4,58	8,76	999,70	7.541,21	7.463,57
14,56/05	5,72	9,90	1.181,37	8.503,84	8.274,29
14,56/06	6,86	11,04	1.371,04	9.674,00	9.140,63
14,56/07	8,01	12,18	1.560,17	11.550,79	9.739,54
14,56/08	9,15	13,32	1.750,38	12.822,20	11.478,65
14,56/09	10,30	14,46	1.940,05	14.533,26	12.936,51
14,56/10	11,44	15,60	2.129,72	16.275,59	14.324,40
14,56/11	12,58	16,74	2.319,39	18.239,83	15.934,17
14,56/12	13,73	17,88	2.509,06	19.764,44	17.104,32
14,56/13	14,87	19,02	2.698,73	21.728,67	18.815,37
14,56/14	16,02	20,16	2.888,40	24.367,28	20.086,79
14,56/15	17,16	21,30	3.078,07	26.704,85	22.171,17
14,56/16	18,30	22,44	3.267,74	28.602,79	23.833,06
14,56/17	19,45	23,58	3.457,41	31.055,62	25.934,56
14,56/18	20,59	24,72	3.647,08	33.338,51	28.096,66
14,56/19	21,74	25,86	3.836,75	35.555,93	30.078,02
14,56/20	22,88	27,00	4.026,42	38.050,39	32.336,44
14,56/21	24,02	28,14	4.216,09	40.582,65	34.317,79
14,56/22	25,17	29,28	4.405,76	42.861,59	36.340,12
14,56/23	26,31	30,42	4.595,43	45.640,39	39.118,81
14,56/24	27,46	31,56	4.785,10	48.429,57	41.651,48





# SILO ASENTADO

16,38

MODEL	CYLINDER HEIGHT	TOTAL HEIGHT	CAPACITY	EURO WEIGHT	ANSI WEIGHT
MODELO	ALTURA DE CILINDRO	ALTURA TOTAL	CAPACIDAD	PESO EURO	PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
16,38/04	4,58	9,29	1.292,16	9.431,68	9.032,91
16,38/05	5,72	10,43	1.532,24	10.685,53	9.944,97
16,38/06	6,86	11,57	1.772,32	12.115,89	11.090,49
16,38/07	8,01	12,71	2.012,40	14.170,29	12.575,23
16,38/08	9,15	13,85	2.252,48	15.885,48	13.891,66
16,38/09	10,30	14,99	2.492,56	18.095,25	15.702,66
16,38/10	11,44	16,13	2.732,64	20.055,38	17.133,01
16,38/11	12,58	17,27	2.972,72	22.549,97	19.302,88
16,38/12	13,73	18,41	3.212,80	24.549,99	21.037,33
16,38/13	14,87	19,55	3.452,88	27.044,57	23.266,37
16,38/14	16,02	20,69	3.692,96	29.179,77	25.135,99
16,38/15	17,16	21,83	3.933,04	32.244,03	27.365,03
16,38/16	18,30	22,97	4.173,12	34.928,88	29.658,50
16,38/17	19,45	24,11	4.413,20	37.993,15	32.176,22
16,38/18	20,59	25,25	4.653,28	40.846,22	34.897,27
16,38/19	21,74	26,39	4.893,36	43.964,44	37.415,00
16,38/20	22,88	27,53	5.133,44	47.082,54	40.244,39
16,38/21	24,02	28,67	5.373,52	50.173,76	42.762,11
16,38/22	25,17	29,81	5.613,60	53.600,29	45.611,25
16,38/23	26,31	30,95	5.854,68	57.591,98	48.767,71
16,38/24	27,46	32,09	6.093,76	61.018,49	51.932,52

18,19

MODEL	CYLINDER HEIGHT	TOTAL HEIGHT	CAPACITY	EURO WEIGHT	ANSI WEIGHT
MODELO	ALTURA DE CILINDRO	ALTURA TOTAL	CAPACIDAD	PESO EURO	PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
18,19/04	4,58	9,81	1.639,86	11.883,51	11.980,56
18,19/05	5,72	10,95	1.936,11	12.785,09	13.183,84
18,19/06	6,86	12,09	2.232,36	16.254,06	14.456,65
18,19/07	8,01	13,23	2.528,61	18.536,73	16.296,25
18,19/08	9,15	14,37	2.824,86	20.758,98	17.758,95
18,19/09	10,30	15,51	3.121,11	23.530,75	19.897,75
18,19/10	11,44	16,65	3.417,46	26.025,16	22.097,10
18,19/11	12,58	17,79	3.713,61	28.822,62	24.573,79
18,19/12	13,73	18,93	4.009,86	31.070,56	26.500,97
18,19/13	14,87	20,07	4.306,11	34.188,78	28.977,67
18,19/14	16,02	21,21	4.602,36	36.757,49	31.225,62
18,19/15	17,16	22,35	4.898,61	40.025,90	34.173,25
18,19/16	18,30	23,49	5.194,86	43.235,34	36.571,38
18,19/17	19,45	24,63	5.491,11	47.305,69	40.144,29
18,19/18	20,59	25,77	5.787,36	50.195,16	42.728,29
18,19/19	21,74	26,91	6.083,61	54.555,64	46.477,13
18,19/20	22,88	28,05	6.379,86	57.890,40	49.521,11
18,19/21	24,02	29,19	6.676,11	62.100,69	53.119,85
18,19/22	25,17	30,33	6.972,36	66.830,05	56.544,75
18,19/23	26,31	31,47	7.268,61	72.045,46	60.143,50
18,19/24	27,46	32,61	7.564,86	76.644,66	65.356,40



# FLAT BOTTOM SILO



FLAT BOTTOM SILO

HOPPER BOTTOM SILO

BULK LOAD SILO

## 20,01

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
20,01/04	4,58	10,34	2.039,50	13.753,56	14.208,43
20,01/05	5,72	11,48	2.398,00	14.887,80	15.532,04
20,01/06	6,86	12,62	2.756,50	18.884,91	17.141,01
20,01/07	8,01	13,76	3.115,00	21.743,98	19.303,82
20,01/08	9,15	14,90	3.473,50	24.188,45	21.400,17
20,01/09	10,30	16,04	3.832,00	27.585,52	24.124,53
20,01/10	11,44	17,18	4.190,50	30.677,51	26.543,82
20,01/11	12,58	18,32	4.549,00	34.107,55	29.621,02
20,01/12	13,73	19,46	4.907,50	36.933,13	32.093,76
20,01/13	14,87	20,60	5.266,00	40.716,01	35.170,97
20,01/14	16,02	21,74	5.624,50	44.059,63	37.808,91
20,01/15	17,16	22,88	5.983,00	47.842,52	41.271,93
20,01/16	18,30	24,02	6.341,50	51.509,83	44.460,89
20,01/17	19,45	25,16	6.700,00	56.527,70	48.611,70
20,01/18	20,59	26,30	7.058,50	61.282,68	51.635,46
20,01/19	21,74	27,44	7.417,00	66.944,30	56.276,25
20,01/20	22,88	28,58	7.775,50	70.993,60	59.657,55
20,01/21	24,02	29,72	8.134,00	76.420,74	64.322,49
20,01/22	25,17	30,86	8.492,50	81.598,85	68.098,66
20,01/23	26,31	32,00	8.851,00	87.090,27	73.617,66
20,01/24	27,46	33,14	9.209,50	92.456,25	79.915,74

## 21,83

MODEL MODELO	CYLINDER HEIGHT ALTURA DE CILINDRO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
21,83/04	4,58	10,86	2.492,93	16.048,89	16.277,75
21,83/05	5,72	12,00	2.919,61	17.264,95	17.949,56
21,83/06	6,86	13,14	3.346,29	18.564,46	19.856,71
21,83/07	8,01	14,28	3.772,97	24.721,66	22.595,90
21,83/08	9,15	15,42	4.199,65	27.804,11	24.882,83
21,83/09	10,30	16,56	4.626,33	31.545,99	27.829,18
21,83/10	11,44	17,70	5.053,01	35.340,95	30.853,31
21,83/11	12,58	18,84	5.479,69	39.467,74	34.210,26
21,83/12	13,73	19,98	5.906,37	42.935,10	37.292,72
21,83/13	14,87	21,12	6.333,05	48.011,88	41.214,80
21,83/14	16,02	22,26	6.759,73	52.581,26	44.477,47
21,83/15	17,16	23,40	7.186,41	57.830,99	48.825,58
21,83/16	18,30	24,54	7.613,09	62.645,60	52.870,36
21,83/17	19,45	25,68	8.039,77	67.722,45	57.391,38
21,83/18	20,59	26,82	8.466,45	72.011,03	60.899,87
21,83/19	21,74	27,96	8.893,13	78.034,03	66.922,86
21,83/20	22,88	29,10	9.319,81	83.102,73	71.211,46
21,83/21	24,02	30,24	9.746,49	91.132,80	77.691,07
21,83/22	25,17	31,38	10.173,17	98.082,94	83.081,50
21,83/23	26,31	32,52	10.599,85	104.241,82	88.460,28
21,83/24	27,46	33,66	11.026,53	111.299,05	94.041,16





# SILO ASENTADO

23,65

MODEL	CYLINDER HEIGHT	TOTAL HEIGHT	CAPACITY	EURO WEIGHT	ANSI WEIGHT
MODELO	ALTURA DE CILINDRO	ALTURA TOTAL	CAPACIDAD	PESO EURO	PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
23,65/04	4,58	11,39	3.002,86	19.076,04	19.747,46
23,65/05	5,72	12,53	3.503,65	20.416,50	21.558,58
23,65/06	6,86	13,67	4.004,44	22.099,97	24.228,49
23,65/07	8,01	14,81	4.505,23	28.978,40	27.223,80
23,65/08	9,15	15,95	5.006,02	32.356,69	30.146,13
23,65/09	10,30	17,09	5.506,81	36.827,37	33.782,83
23,65/10	11,44	18,23	6.007,60	40.583,69	36.705,16
23,65/11	12,58	19,37	6.508,39	45.888,36	40.797,82
23,65/12	13,73	20,51	7.009,18	50.673,88	44.371,34
23,65/13	14,87	21,65	7.509,97	55.978,55	48.886,57
23,65/14	16,02	22,79	8.010,76	60.568,86	52.687,43
23,65/15	17,16	23,93	8.511,55	66.506,98	57.593,12
23,65/16	18,30	25,07	9.012,34	72.623,61	63.216,17
23,65/17	19,45	26,12	9.513,13	78.829,06	68.740,74
23,65/18	20,59	27,35	10.013,92	85.484,75	74.715,55
23,65/19	21,74	28,49	10.514,71	92.730,57	80.435,36
23,65/20	22,88	29,63	11.015,50	99.686,21	86.710,12
23,65/21	24,02	30,77	11.516,29	105.891,64	92.234,68
23,65/22	25,17	31,91	12.017,08	113.042,52	99.582,64
23,65/23	26,31	33,05	12.517,87	122.761,20	106.918,50
23,65/24	27,46	34,19	13.018,66	130.688,43	113.854,29

27,29

MODEL	CYLINDER HEIGHT	TOTAL HEIGHT	CAPACITY	EURO WEIGHT	ANSI WEIGHT
MODELO	ALTURA DE CILINDRO	ALTURA TOTAL	CAPACIDAD	PESO EURO	PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
27,29/04	4,58	12,44	4.203,23	23.138,91	24.752,96
27,29/05	5,72	13,58	4.870,04	24.659,01	27.539,46
27,29/06	6,86	14,72	5.536,85	26.389,77	30.430,23
27,29/07	8,01	15,86	6.203,66	28.757,96	34.367,51
27,29/08	9,15	17,00	6.879,47	40.928,98	38.265,53
27,29/09	10,30	18,14	7.537,28	47.049,74	42.987,83
27,29/10	11,44	19,28	8.204,09	52.346,24	47.373,43
27,29/11	12,58	20,42	8.870,90	59.506,38	52.583,29
27,29/12	13,73	21,56	9.537,71	66.067,54	58.358,82
27,29/13	14,87	22,70	10.294,52	73.227,70	64.733,33
27,29/14	16,02	23,84	10.871,33	80.014,11	70.734,11
27,29/15	17,16	24,98	11.538,14	89.087,30	77.830,39
27,29/16	18,30	26,12	12.204,95	96.398,30	83.596,77
27,29/17	19,45	27,26	12.871,76	105.877,33	92.328,06
27,29/18	20,59	28,40	13.538,57	113.718,95	98.891,34
27,29/19	21,74	29,54	14.205,38	122.344,82	106.504,17
27,29/20	22,88	30,68	14.872,19	132.354,81	114.488,07
27,29/21	24,02	31,82	15.539,00	143.225,22	122.370,13
27,29/22	25,17	32,96	16.205,81	154.797,45	132.713,21
27,29/23	26,31	34,10	16.872,62	164.391,19	141.113,79
27,29/24	27,46	35,24	17.539,43	174.895,69	150.605,25



# FLAT BOTTOM SILO



FLAT BOTTOM SILO

HOPPER BOTTOM SILO

BULK LOAD SILO

31,84					
MODEL	CYLINDER HEIGHT	TOTAL HEIGHT	CAPACITY	EURO WEIGHT	ANSI WEIGHT
MODELO	ALTURA DE CILINDRO	ALTURA TOTAL	CAPACIDAD	PESO EURO	PESO ANSI
( Ø / ring-viola )	( m )	( m )	( m³ )	(Kg)	(Kg)
31,84/04	4,58	13,75	6.067,95	32.843,46	34.931,71
31,84/05	5,72	14,89	6.975,36	34.949,22	38.743,96
31,84/06	6,86	16,03	7.882,77	37.176,62	43.291,66
31,84/07	8,01	17,17	8.790,18	40.395,92	48.498,95
31,84/08	9,15	18,31	9.697,59	43.177,18	53.615,47
31,84/09	10,30	19,45	10.605,00	46.728,53	61.052,41
31,84/10	11,44	20,59	11.512,41	72.788,50	67.527,68
31,84/11	12,58	21,73	12.419,82	82.852,00	75.227,43
31,84/12	13,73	22,87	13.327,23	91.691,04	81.702,70
31,84/13	14,87	24,01	14.234,64	102.017,36	90.847,15
31,84/14	16,02	25,15	15.142,05	112.038,27	98.504,00
31,84/15	17,16	26,29	16.049,46	124.125,71	108.480,16
31,84/16	18,30	27,43	16.956,87	134.398,78	117.319,19
31,84/17	19,45	28,57	17.864,28	147.868,11	128.424,76
31,84/18	20,59	29,71	18.771,69	159.070,90	137.263,79
31,84/19	21,74	30,85	19.679,10	173.469,65	149.298,79
31,84/20	22,88	31,99	20.586,51	184.672,44	159.319,70
31,84/21	24,02	33,13	21.493,92	202.100,41	173.792,99
31,84/22	25,17	34,27	22.401,33	215.538,31	183.813,90
31,84/23	26,31	35,41	23.308,74	232.966,29	198.287,19
31,84/24	27,46	36,55	24.216,15	245.941,90	208.560,24







# SILO CÓNICO ELEVADO

Silo cónico elevado fabricado en acero de alta resistencia S350GD con galvanizado Z-600 (600 gr/m<sup>2</sup>) y refuerzos verticales atornillados de manera exterior.

Hopper Bottom Silo manufactured in corrugated panels of high strength steel S350 GD with galvanization Z-600 (600 gr/m<sup>2</sup>) and vertical stiffeners screwed outside.

Uniones totalmente atornilladas con tornillería bicromatada 8.8 y arandelas de goma INCLUIDAS.

Completely bolted unions with 8.8 bicromated bolts&nuts with rubber washers INCLUDED.

Soporte de estructura metálica y refuerzos galvanizados en caliente Z-600 (600 gr/m<sup>2</sup>) INCLUIDA.

Supported by metallic structure of hot deep galvanized Z-600 (600 gr/m<sup>2</sup>) with reinforcements INCLUDED.

Masilla BSD compuesta para el sellado de las uniones de los paneles y para la union del cilindro con el cono INCLUIDA.

Mastic BSD compound for sealing panel unions and for cylinder with cone INCLUDED.

Placas de fijación con tornillo/taco de fijacion al suelo INCLUIDOS.

Fixation plates and fasteners to ground INCLUDED.

Chimeneas de ventilacion y escalera en techo INCLUIDAS.

Aireation vents and ladder on roof INCLUDED.

Puerta de inspeccion en techo y en segundo anillo con plataforma acceso y escalera INCLUIDAS.

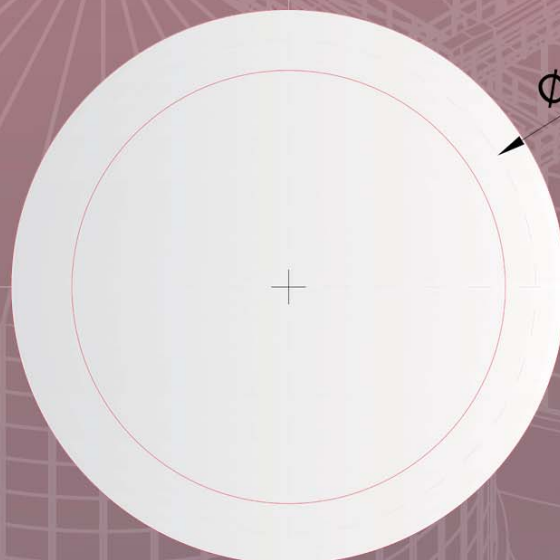
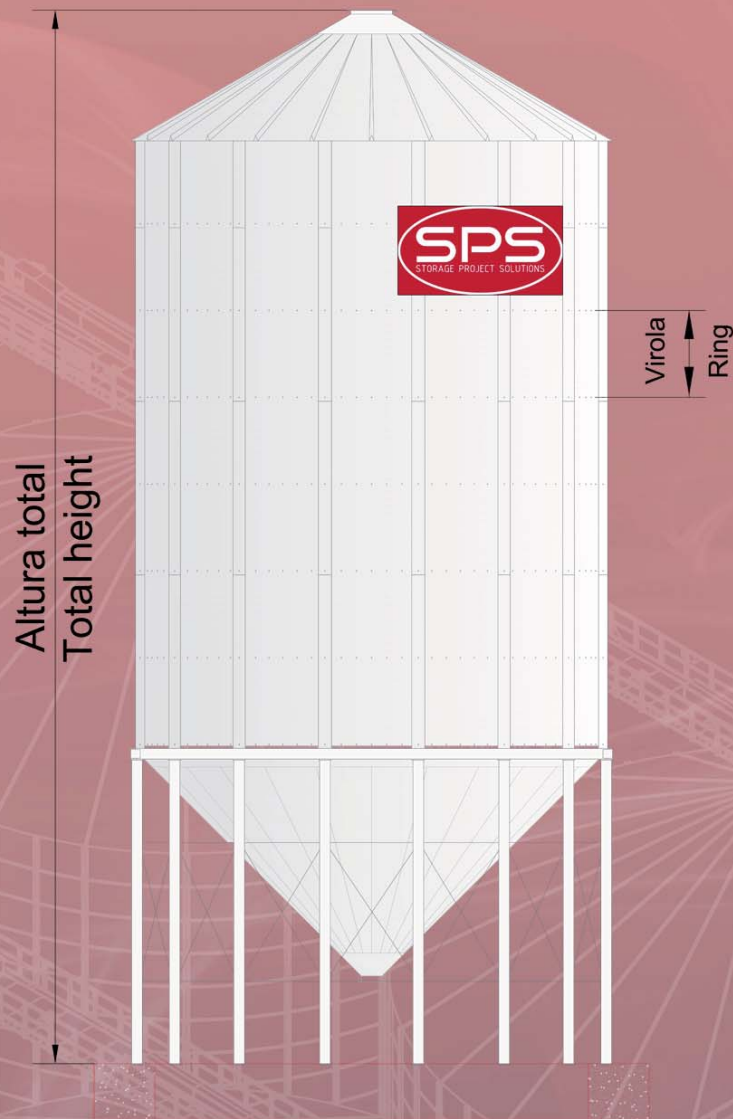
Inspection door on roof and inspection door on second wallring with access platform INCLUDED.

Escalera de acceso a techo con protección de acuerdo a UNE-EN-ISO 14122 y plataforma de descanso cada 6 metros como OPCIONAL.

Access ladder to roof with protection according to UNE-EN-ISO 14122 and rest platform each 6 meters as OPTIONAL.



# HOPPER BOTTOM SILO



Ø Diámetro / Diameter

FLAT BOTTOM SILO

HOPPER BOTTOM SILO

BULK LOAD SILO





# SILO CÓNICO ELEVADO

## 4,58 (45°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-virola )	( m )	( m³ )	(Kg)	(Kg)
04.58/04	8,83	95,22	2.643,47	2.610,71
04.58/05	9,97	114,07	2.850,67	2.817,91
04.58/06	11,11	132,92	3.144,25	3.045,96
04.58/07	12,26	151,76	3.615,62	3.387,09
04.58/08	13,40	170,61	3.843,67	3.810,91
04.58/09	14,55	189,46	4.557,77	4.259,77
04.58/10	15,69	208,31	4.818,59	4.720,30
04.58/11	16,83	227,15	5.459,56	5.113,21
04.58/12	17,98	246,00	5.720,38	5.589,33
04.58/13	19,12	264,85	6.146,05	6.015,00
04.58/14	20,27	283,69	6.748,28	6.584,47
04.58/15	21,41	302,54	7.255,85	7.010,14
04.58/16	22,55	321,39	7.973,93	7.646,32

## 5,35 (45°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-virola )	( m )	( m³ )	(Kg)	(Kg)
05.35/04	8,85	134,48	3.379,94	3.379,94
05.35/05	9,99	160,20	3.621,68	3.621,68
05.35/06	11,13	185,92	3.964,09	3.964,09
05.35/07	12,28	211,64	4.618,15	4.618,15
05.35/08	13,42	237,35	5.188,30	4.884,21
05.35/09	14,57	263,07	5.646,70	5.646,70
05.35/10	15,71	288,79	5.950,99	5.912,77
05.35/11	16,85	314,50	6.779,10	6.740,88
05.35/12	18,00	340,22	7.083,39	7.083,39
05.35/13	19,14	365,94	7.979,31	7.979,31
05.35/14	20,29	391,66	8.321,82	8.283,60
05.35/15	21,43	417,37	9.399,20	8.780,22
05.35/16	22,57	443,09	9.799,04	9.569,71



# HOPPER BOTTOM SILO



FLAT  
BOTTOM  
SILO

HOPPER  
BOTTOM  
SILO

BULK  
LOAD  
SILO

## 6,11 (45°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
06.11/04	10,48	181,27	4.250,60	4.250,60
06.11/05	11,62	214,81	4.526,86	4.526,86
06.11/06	12,76	248,35	5.155,24	4.830,94
06.11/07	13,91	281,89	5.819,72	5.776,03
06.11/08	15,05	315,44	6.552,58	6.123,79
06.11/09	16,20	348,98	7.120,14	7.076,46
06.11/10	17,34	382,52	7.822,20	7.424,21
06.11/11	18,48	416,06	8.389,76	8.464,72
06.11/12	19,63	449,61	9.238,69	8.812,48
06.11/13	20,77	483,15	9.806,26	9.881,22
06.11/14	21,92	516,69	10.762,58	10.228,98
06.11/15	23,06	550,23	11.330,15	11.405,11
06.11/16	24,20	583,78	11.721,58	11.752,87

## 6,88 (45°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
06.88/04	10,71	237,36	5.060,76	5.060,76
06.88/05	11,85	279,89	5.982,41	5.581,98
06.88/06	12,99	322,42	6.373,64	6.324,50
06.88/07	14,14	364,95	7.409,98	6.969,67
06.88/08	15,28	407,48	7.801,21	7.787,26
06.88/09	16,43	450,01	9.086,55	8.734,48
06.88/10	17,57	492,54	9.611,26	9.562,11
06.88/11	18,71	535,07	10.864,01	10.200,62
06.88/12	19,86	577,60	11.255,24	11.206,10
06.88/13	21,00	620,12	11.893,74	11.844,60
06.88/14	22,15	662,65	13.079,56	13.030,42
06.88/15	23,29	705,18	13.767,21	13.718,07
06.88/16	24,43	747,71	15.102,64	14.158,44





# SILO CÓNICO ELEVADO

## 7,64 (45°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-virola )	( m )	( m³ )	(Kg)	(Kg)
07.64/04	11,55	301,85	6.150,38	6.150,38
07.64/05	12,69	354,30	7.229,79	6.755,20
07.64/06	13,83	406,74	7.758,19	7.758,19
07.64/07	14,98	459,19	8.890,30	8.217,53
07.64/08	16,12	511,63	9.325,00	9.270,39
07.64/09	17,27	564,08	10.605,46	9.979,85
07.64/10	18,41	616,52	11.094,76	10.930,96
07.64/11	19,55	668,97	12.583,34	12.419,53
07.64/12	20,70	721,41	13.332,12	13.168,31
07.64/13	21,84	773,86	14.975,12	13.932,37
07.64/14	22,99	826,30	15.464,42	15.300,61
07.64/15	24,13	878,75	17.283,55	16.064,67
07.64/16	25,27	931,19	17.772,85	17.609,04

## 8,40 (45°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-virola )	( m )	( m³ )	(Kg)	(Kg)
08.40/04	12,16	375,97	8.297,79	7.612,12
08.40/05	13,30	439,36	8.737,72	8.557,53
08.40/06	14,44	502,76	9.887,47	8.975,63
08.40/07	15,59	566,16	10.765,18	10.464,87
08.40/08	16,73	629,56	11.979,05	11.004,40
08.40/09	17,88	692,96	12.759,45	12.339,01
08.40/10	19,02	756,35	14.096,22	12.757,11
08.40/11	20,16	819,75	14.660,25	14.540,12
08.40/12	21,31	883,15	16.370,46	15.298,90
08.40/13	22,45	946,55	17.210,92	17.180,52
08.40/14	23,60	1.009,95	17.749,15	17.808,84
08.40/15	24,74	1.073,34	19.839,01	19.988,80
08.40/16	25,88	1.136,74	20.467,33	20.617,12



# HOPPER BOTTOM SILO



FLAT  
BOTTOM  
SILO

HOPPER  
BOTTOM  
SILO

BULK  
LOAD  
SILO

## 9,17 (45°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
09.17/04	12,87	461,42	9.541,20	8.745,74
09.17/05	14,01	536,98	10.394,94	10.198,37
09.17/06	15,15	612,53	11.771,10	11.443,48
09.17/07	16,30	688,08	12.414,48	11.955,82
09.17/08	17,44	763,64	13.722,18	13.132,47
09.17/09	18,59	839,19	15.642,93	14.016,18
09.17/10	19,73	914,74	16.230,09	15.541,70
09.17/11	20,87	990,30	18.839,62	16.868,81
09.17/12	22,02	1.065,85	19.622,94	19.459,14
09.17/13	23,16	1.141,40	20.638,09	20.474,29
09.17/14	24,31	1.216,96	22.783,41	21.159,73
09.17/15	25,45	1.292,51	23.888,67	23.846,48
09.17/16	26,59	1.368,07	24.574,12	24.531,92

## 9,93 (45°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
9.93/04	13,59	556,55	11.299,60	11.157,63
9.93/05	14,73	645,15	12.536,06	11.407,31
9.93/06	15,87	733,74	13.172,15	12.817,23
9.93/07	17,02	822,34	15.313,28	13.981,18
9.93/08	18,16	910,93	16.188,47	15.620,60
9.93/09	19,31	999,53	18.448,60	16.542,89
9.93/10	20,45	1.088,13	19.191,16	18.268,38
9.93/11	21,59	1.176,72	21.697,03	19.261,65
9.93/12	22,74	1.265,32	22.439,60	21.435,61
9.93/13	23,88	1.353,92	25.225,85	23.493,63
9.93/14	25,03	1.442,51	25.968,41	26.029,17
9.93/15	26,17	1.531,11	27.272,25	27.226,54
9.93/16	27,31	1.619,70	29.641,98	28.270,81

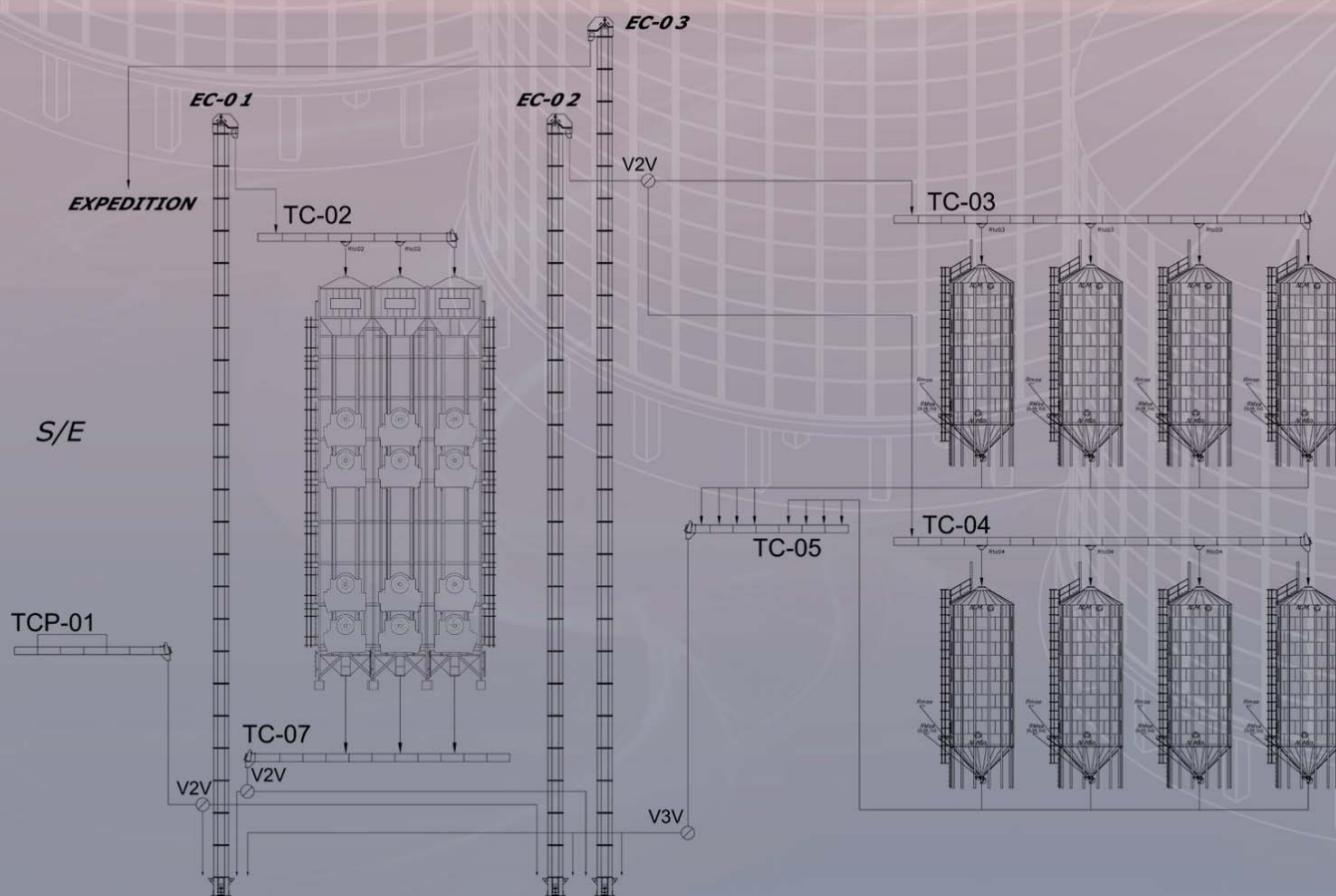




# SILO CÓNICO ELEVADO

10,70 (45°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m <sup>3</sup> )	( Kg )	( Kg )
10.70/04	13,94	664,41	12.547,45	12.508,76
10.70/05	15,08	767,28	14.807,13	14.768,44
10.70/06	16,23	870,15	16.373,99	15.377,01
10.70/07	17,37	973,02	17.437,04	17.207,71
10.70/08	18,51	1.075,89	19.564,80	17.816,29
10.70/09	19,66	1.178,76	20.749,15	20.137,60
10.70/10	20,80	1.281,63	23.620,41	21.350,75
10.70/11	21,95	1.384,49	24.946,63	24.029,31
10.70/12	23,09	1.487,36	25.860,98	24.714,33
10.70/13	24,23	1.590,23	29.089,26	27.827,94
10.70/14	25,38	1.693,10	30.003,61	30.041,83
10.70/15	26,52	1.795,97	32.926,29	31.522,41
10.70/16	27,67	1.898,84	34.050,90	34.373,50





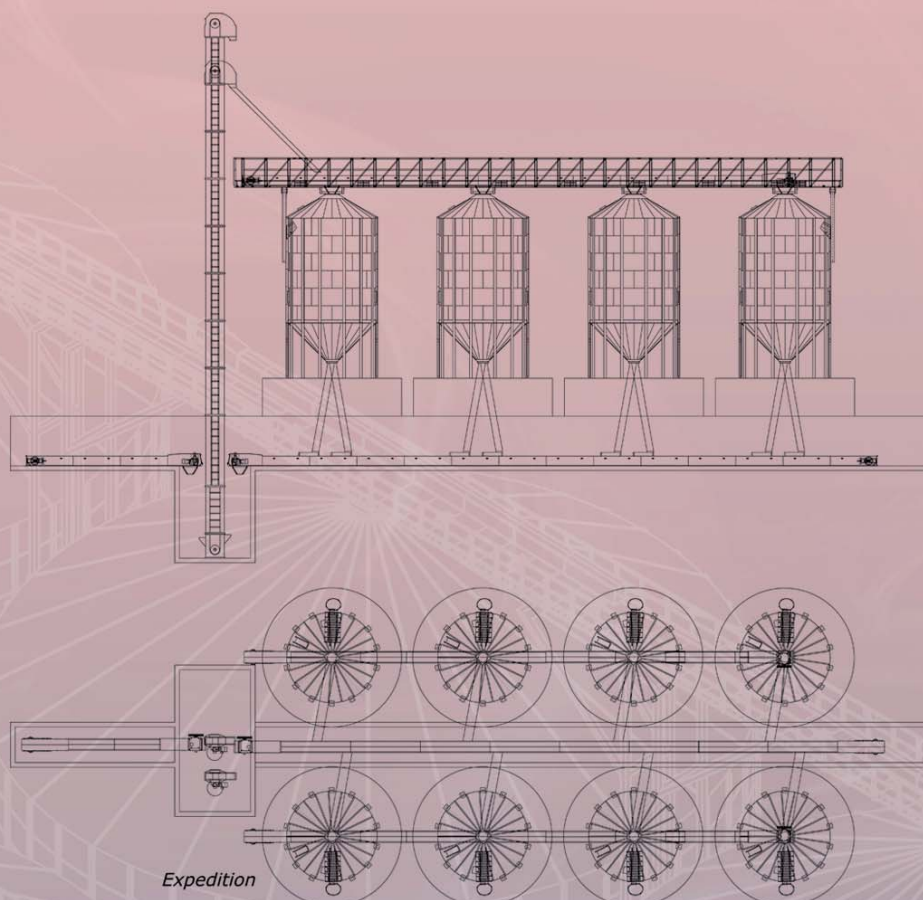
# HOPPER BOTTOM SILO



FLAT  
BOTTOM  
SILO

HOPPER  
BOTTOM  
SILO

BULK  
LOAD  
SILO



3,82 (60°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
03.82/04	8,84	69,00	1.777,00	1.777,00
03.82/04	9,61	69,00	1.777,00	1.777,00
03.82/05	10,75	82,13	2.114,00	2.114,00
03.82/05	10,75	82,00	2.114,00	2.114,00
03.82/06	11,11	90,76	2.475,00	2.475,00
03.82/06	11,89	95,00	2.475,00	2.475,00
03.82/07	12,26	108,00	3.007,00	3.007,00
03.82/07	13,06	108,00	3.007,00	3.007,00
03.82/08	14,17	121,00	4.340,00	4.340,00
03.82/09	15,31	134,00	4.450,00	4.450,00
03.82/10	15,82	154,00	5.249,00	5.249,00





# SILO CÓNICO ELEVADO

## 4,58 (60°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-virola )	( m )	( m³ )	(Kg)	(Kg)
04.58/04	9,85	104,28	3.039,47	3.039,48
04.58/05	10,99	123,12	3.246,67	3.246,67
04.58/06	12,13	141,97	3.474,72	3.474,72
04.58/07	13,28	160,82	4.076,88	4.076,88
04.58/08	14,42	179,67	4.304,93	4.304,93
04.58/09	15,57	198,51	5.007,80	5.007,80
04.58/10	16,71	217,36	5.235,86	5.235,86
04.58/11	17,85	236,21	5.913,41	5.913,41
04.58/12	19,00	255,05	6.141,46	6.141,46
04.58/13	20,14	273,90	6.935,46	6.534,37
04.58/14	21,29	292,75	7.229,04	7.229,04
04.58/15	22,43	311,60	7.736,62	7.654,71
04.58/16	23,57	330,44	8.697,22	8.402,37

## 5,35 (60°)

MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-virola )	( m )	( m³ )	(Kg)	(Kg)
05.35/04	9,87	149,01	3.803,10	3.803,10
05.35/05	11,01	174,72	4.044,84	4.044,84
05.35/06	12,15	200,44	4.764,92	4.418,87
05.35/07	13,30	226,16	5.162,91	5.162,91
05.35/08	14,44	251,87	5.839,91	5.839,91
05.35/09	15,59	277,59	6.298,30	6.298,30
05.35/10	16,73	303,31	6.978,79	6.564,37
05.35/11	17,87	329,03	7.475,40	7.475,40
05.35/12	19,02	354,74	8.306,46	7.779,69
05.35/13	20,16	380,46	8.803,08	8.803,08
05.35/14	21,31	406,18	9.107,36	9.107,36
05.35/15	22,45	431,89	10.281,11	10.242,89
05.35/16	23,59	457,61	10.680,96	10.547,18



# HOPPER BOTTOM SILO



FLAT  
BOTTOM  
SILO

HOPPER  
BOTTOM  
SILO

BULK  
LOAD  
SILO

6,11 (60°)				
MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
06.11/04	11,02	202,97	4.815,54	4.815,54
06.11/05	12,16	236,51	5.683,49	5.232,63
06.11/06	13,30	270,06	5.987,57	5.987,57
06.11/07	14,45	303,60	7.021,47	6.442,39
06.11/08	15,59	337,14	7.369,23	7.325,55
06.11/09	16,74	370,68	8.425,56	8.011,76
06.11/10	17,88	404,23	8.773,31	8.848,27
06.11/11	19,02	437,77	10.115,23	9.509,72
06.11/12	20,17	471,31	10.462,98	10.537,94
06.11/13	21,31	504,86	11.030,54	11.105,50
06.11/14	22,46	538,40	12.203,07	12.278,04
06.11/15	23,60	571,94	12.770,63	12.845,60
06.11/16	24,74	605,48	14.151,47	13.193,35
6,88 (60°)				
MODEL MODELO	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	EURO WEIGHT PESO EURO	ANSI WEIGHT PESO ANSI
( Ø / ring-viola )	( m )	( m <sup>3</sup> )	(Kg)	(Kg)
06.88/04	12,21	268,41	5.954,42	5.954,42
06.88/05	13,35	310,94	6.944,85	6.944,85
06.88/06	14,49	353,47	8.001,80	7.420,41
06.88/07	15,64	396,00	8.993,69	8.895,41
06.88/08	16,78	438,53	9.991,51	9.237,49
06.88/09	17,93	481,06	10.630,02	10.580,87
06.88/10	19,07	523,59	11.862,40	10.972,10
06.88/11	20,21	566,12	12.500,91	12.451,76
06.88/12	21,36	608,65	12.892,14	12.842,99
06.88/13	22,50	651,18	14.549,71	14.500,58
06.88/14	23,65	693,71	14.990,09	14.940,94
06.88/15	24,79	736,24	16.899,82	15.628,60
06.88/16	25,93	778,77	17.340,19	17.291,04





# SILLO CARGA GRANEL

Silo de carga a granel fabricado en acero de alta resistencia S350GD con galvanizado Z-600 (600 gr/m<sup>2</sup>) y refuerzos verticales atornillados de manera exterior.

Bulk Load Silo manufactured in corrugated panels of high strength steel S350 GD with galvanization Z-600 (600 gr/m<sup>2</sup>) and vertical stiffeners screwed outside.

Uniones totalmente atornilladas con tornillería bicromatada 8.8 y arandelas de goma INCLUIDAS.

Completely bolted unions with 8.8 bicromated bolts&nuts with rubber washers INCLUDED.

Soporte de estructura metálica y refuerzos galvanizados en caliente Z-600 (600 gr/m<sup>2</sup>) INCLUIDA.

Supported by metallic structure of hot deep galvanized Z-600 (600 gr/m<sup>2</sup>) with reinforcements INCLUDED.

Masilla BSD compuesta para el sellado de las uniones de los paneles y para la union del cilindro con el cono INCLUIDA.

Mastic BSD compound for sealing panel unions and for cylinder with cone INCLUDED.

Placas de fijación con tornillo/taco de fijacion al suelo INCLUIDOS.

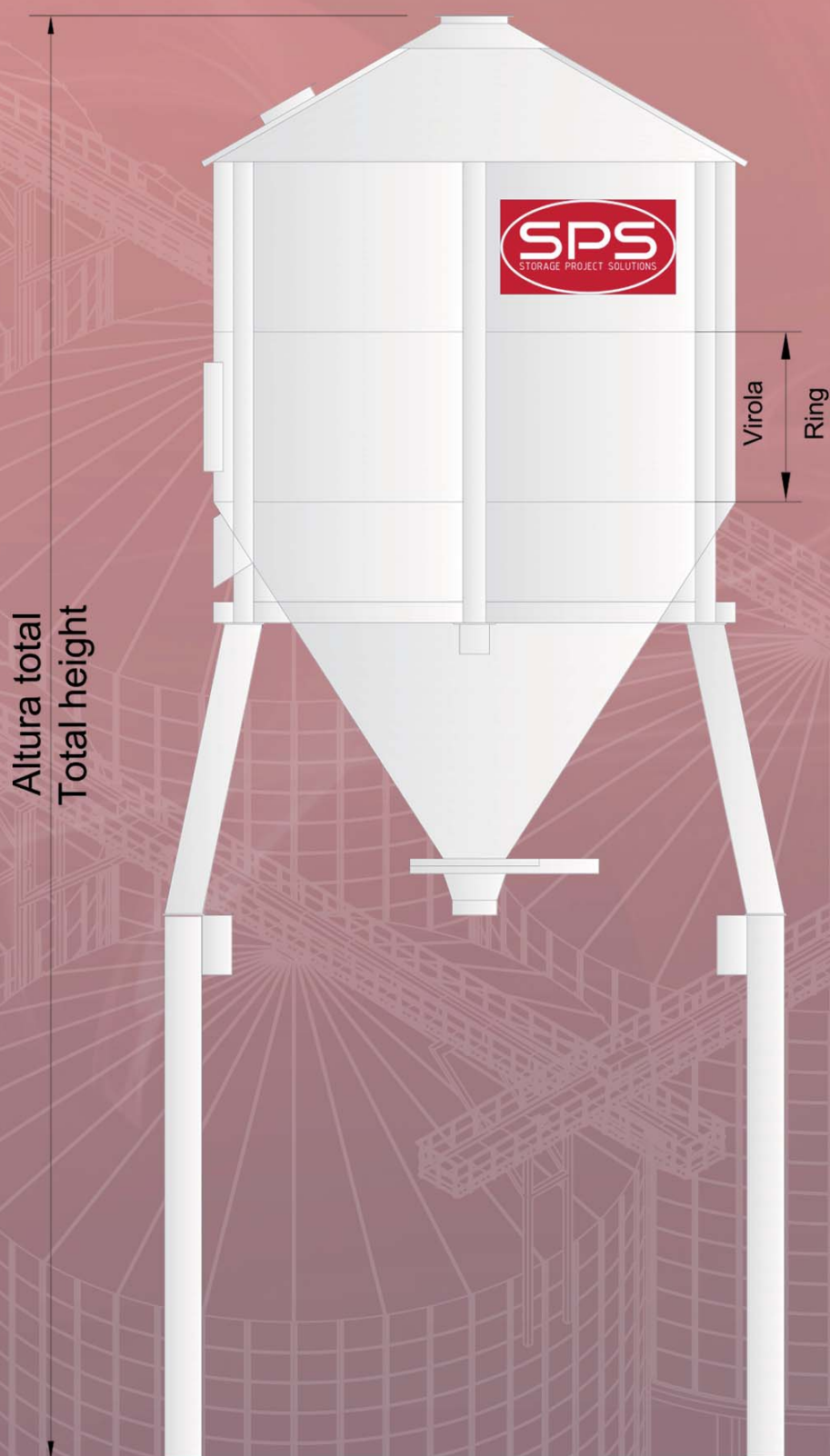
Fixation plates and fasteners to ground INCLUDED.

Escalera de acceso a techo con protección de acuerdo a UNE-EN-ISO 14122 como OPCIONAL.

Access ladder to roof with protection according to UNE-EN-ISO 14122 as OPTIONAL.



# BULK LOAD SILO



FLAT BOTTOM SILO

HOPPER BOTTOM SILO

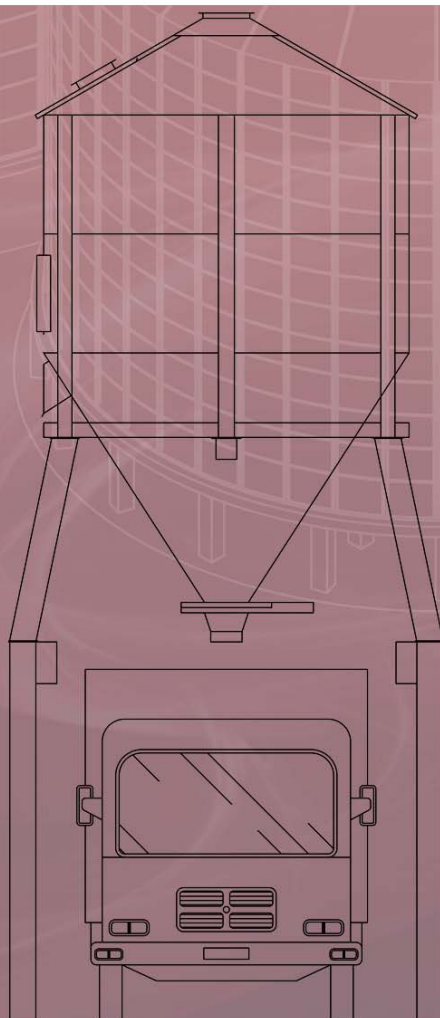
BULK LOAD SILO





# SILO CARGA GRANEL

2,55 (*)				
MODEL MODELO	DESCRIPTION DESCRIPCIÓN	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	WEIGHT PESO
( Ø / ring-virola )	( item )	( m )	( m <sup>3</sup> )	(Kg)
2.55/01	Bulk Expedition	4,40	12,00	470,00
2.55/02	Bulk Expedition	5,50	17,00	550,00
2.55/03	Bulk Expedition	6,70	22,00	630,00
2.55/04	Bulk Expedition	9,40	43,60	795,00
2.55/05	Bulk Expedition	8,90	32,40	795,00
2.55/06	Bulk Expedition	10,97	39,41	902,71
(*) THIS MODEL DONT INCLUDE SUPPORT STRUCTURE.				





# BULK LOAD SILO



FLAT BOTTOM SILO

HOPPER BOTTOM SILO

BULK LOAD SILO

## 3,50

MODEL MODELO	DESCRIPTION DESCRIPCIÓN	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	WEIGHT PESO
( Ø / ring-virola )	( item )	( m )	( m <sup>3</sup> )	( Kg )
3.50/01	Bulk Expedition	9,39	23,90	5.000,00
3.50/01	Train Expedition	5,07	20,07	5.221,57
3.50/02	Bulk Expedition	6,19	30,65	5.400,00
3.50/02	Train Expedition	6,21	31,05	5.627,46
3.50/03	Bulk Expedition	7,36	42,02	4.500,00
3.50/03	Train Expedition	7,36	42,02	4.680,65
3.50/04	Bulk Expedition	8,50	53,00	4.850,00
3.50/04	Train Expedition	8,50	53,00	5.035,94

## 4,65

MODEL MODELO	DESCRIPTION DESCRIPCIÓN	TOTAL HEIGHT ALTURA TOTAL	CAPACITY CAPACIDAD	WEIGHT PESO
( Ø / ring-virola )	( item )	( m )	( m <sup>3</sup> )	( Kg )
4.65/2	Bulk Expedition	11,79	69,00	5.700,00
4.65/2	Train Expedition	11,79	69,00	5.890,32
4.65/3	Bulk Expedition	12,20	88,00	6.100,00
4.65/3	Train Expedition	8,51	80,83	6.365,44
4.65/4	Bulk Expedition	13,30	108,00	6.479,00
4.65/4	Train Expedition	9,66	100,24	6.640,98
4.65/5	Bulk Expedition	14,40	127,00	6.750,00
4.65/5	Train Expedition	14,44	127,00	6.902,68





# International Expansion

## Expansión Internacional



Tel.: (+34) 95 272 62 04

e-mail: [sps@spsmalaga.com](mailto:sps@spsmalaga.com)

[www.spsmalaga.com](http://www.spsmalaga.com)