

Atlas Silo

S1 Range

Collinson 

CENTRE DISCHARGE

The Atlas Silo range incorporates the classic design features of the UK's top selling County Range silo.

The S1 range features a 60° cone combined with smooth internal walls to provide optimum feed flow and uninterrupted feed delivery, ideal for storing free flowing pelleted products and wholegrains, to fill a conveyor, bag or barrow.

Special Features

- Volumes 6.7m³ to 54.3m³
- Galvanised or Plasteel™ (polymer based colour coating system) construction
- Smooth internal walls
- FloView™ SafetyClean panel
- Full height level indicator windows
- Galvanised support structure designed to Eurocode 1, Part 1-4
- Discharge aperture: 400mm diameter
- Clearance under cone plate:
 - 800mm for conveyor discharge
 - 1300mm for gate valve slide unit
- CE Marked

Superior Build Materials

Juniper Green

Chalk White

Galvanised

For longevity all our silos are manufactured from premium grades of high tensile galvanised steel, for additional flexibility they are available with an additional Plasteel™ finish, a durable polymer based coating system available in Chalk White or Juniper Green, the coloured finish can help comply with planning conditions or fit in with surroundings.

Colours may not be accurately reproduced during printing, colour samples available on request. Other colours available, minimum order quantities apply.



Model Number	Overall Height	Barrels	Dia. (m)	Capacity (m ³)	Meal @ 577 kg/m ³	Pellets @ 650 kg/m ³	Grain @ 693 kg/m ³	Base Size (m)
S1A07	4.12m	1.0	2.06m	6.70m ³	3.87t	4.36t	4.64t	2.7 x 2.7 x 0.15m
S1A09	4.70m	1.5	2.06m	8.70m ³	5.02t	5.66t	6.03t	2.7 x 2.7 x 0.15m
S1A11	5.33m	2.0	2.06m	10.70m ³	6.17t	6.96t	7.42t	2.7 x 2.7 x 0.15m
S1B12	4.71m	1.0	2.57m	11.50m ³	6.64t	7.48t	7.97t	3.2 x 3.2 x 0.15m
S1A13	5.91m	2.5	2.06m	12.80m ³	7.39t	8.32t	8.87t	2.7 x 2.7 x 0.20m
S1B15	5.29m	1.5	2.57m	14.60m ³	8.42t	9.49t	10.12t	3.2 x 3.2 x 0.20m
S1A15	6.54m	3.0	2.06m	14.80m ³	8.54t	9.62t	10.26t	2.7 x 2.7 x 0.25m
S1C15	5.04m	1.0	2.87m	15.10m ³	8.71t	9.82t	10.46t	3.5 x 3.5 x 0.20m
S1B18	5.92m	2.0	2.57m	17.70m ³	10.21t	11.51t	12.27t	3.2 x 3.2 x 0.20m
S1C19	5.62m	1.5	2.87m	19.00m ³	10.96t	12.35t	13.17t	3.5 x 3.5 x 0.20m
S1B21	6.50m	2.5	2.57m	20.80m ³	12.00t	13.52t	14.41t	3.2 x 3.2 x 0.20m
S1D22	5.59m	1.0	3.35m	22.30m ³	12.87t	14.50t	15.45t	4.0 x 4.0 x 0.25m
S1C23	6.25m	2.0	2.87m	22.90m ³	13.21t	14.89t	15.87t	3.5 x 3.5 x 0.25m
S1B24	7.13m	3.0	2.57m	24.00m ³	13.85t	15.60t	16.63t	3.2 x 3.2 x 0.25m
S1C27	6.83m	2.5	2.87m	26.80m ³	15.46t	17.42t	18.57t	3.5 x 3.5 x 0.25m
S1B27	7.71m	3.5	2.87m	27.10m ³	15.64t	17.62t	18.78t	3.2 x 3.2 x 0.25m
S1D28	6.24m	1.5	3.35m	27.60m ³	15.93t	17.94t	19.13t	4.0 x 4.0 x 0.25m
S1B30	8.34m	4.0	2.87m	30.30m ³	17.48t	19.70t	21.00t	3.2 x 3.2 x 0.25m
S1C31	7.46m	3.0	2.87m	30.80m ³	17.77t	20.02t	21.34t	3.5 x 3.5 x 0.30m
S1D33	6.80m	2.0	3.35m	32.90m ³	18.98t	21.39t	22.80t	4.0 x 4.0 x 0.30m
S1D38	7.38m	2.5	3.35m	38.30m ³	22.10t	24.90t	26.54t	4.0 x 4.0 x 0.30m
S1D44	8.01m	3.0	3.35m	43.20m ³	24.93t	28.08t	29.94t	4.0 x 4.0 x 0.30m
S1D49	8.59m	3.5	3.35m	49.00m ³	28.27t	31.85t	33.96t	4.0 x 4.0 x 0.35m
S1D54	9.22m	4.0	3.35m	54.30m ³	31.33t	35.30t	37.63t	4.0 x 4.0 x 0.40m

Important Notes

- * O/A Silo height is based on the 800mm clearance under the cone, for silos with the 1300mm clearance, add 500mm to the overall silo height.
- ** Silo capacity indicated is the true volume of the entire shell of the silo. Please allow extra capacity in the silo you chose to allow for:
 - a) Variations in product density due to aeration of product during pneumatic silo filling.
 - b) Variable density of the product due to manufacturing specification.
 - c) Extra spare capacity. As a general rule we recommend you chose a silo with a minimum additional capacity of 20% over and above the size of loads you are planning to have delivered.
 - d) Feed tonnages stated are an approximate guide calculated using metric tonnes equal to 1000 kilograms per unit.

FlowView™ SafetyClean Panel



A transparent panel in the lower section of the cone provides a useful visual aid for checking feed levels and preventing outages whilst allowing safe internal inspection, the FlowView SafetyClean panel can be simply removed to facilitate cleaning from ground level, improving site biosecurity.

Filling Options



Lay Flat, Central Roof Hatch

Our unique, robust, lay flat central roof hatch enables manual filling via the hatch to be straightforward and provides reliability in operation. The roof hatch is operated, with ease, via a ground operated handle which smoothly opens the hatch from the central position to the flat position on the silo dome to alleviate the risk of damage during filling.



The innovative design of the hatch eliminates the need for access ladders and risk of working at height.



Pneumatic Filling Kit

For customers who prefer to fill the silo pneumatically from a feed delivery wagon, this kit provides a safe and efficient solution. The kit includes; a Filler and Exhaust pipe, AutoVent and Pressure Relief Valve.

To aid biosecurity on site, the autovent closes during pneumatic filling, diverting dust laden air away from the roof, which may otherwise attract birds and vermin whilst the pressure relief valve acts as a safety precaution, should the silo be overfilled during filling, the Pressure Relief Valve will open to release excess pressure and protect the silo from any permanent damage.

Atlas Silo

S3 Range

Collinson 

CENTRE DISCHARGE

The Atlas Silo range incorporates the classic design features of the UK's top selling County Range silo.

The S3 silo has been specifically designed and engineered with a unique 67° cone along with smooth internal walls to ensure products such as meals and blends, known for having poor flow characteristics, benefit from optimum product flow and uninterrupted discharge into a conveyor, bag or barrow.

Special Features

- Volumes from 7.5m³ to 47m³
- Galvanised or Plasteel™ (polymer based colour coating system) construction
- Smooth internal walls
- FloView™ SafetyClean panel
- Full height level indicator windows
- Galvanised support structure designed to Eurocode 1, Part 1-4
- Discharge aperture: 400mm diameter
- Clearance under cone plate:
 - 800mm for conveyor discharge
 - 1300mm for gate valve slide unit
- CE Marked

Superior Build Materials

Juniper Green

Chalk White

Galvanised

For longevity all our silos are manufactured from premium grades of high tensile galvanised steel, for additional flexibility they are available with an additional Plasteel™ finish, a durable polymer based coating system available in Chalk White or Juniper Green, the coloured finish can help comply with planning conditions or fit in with surroundings.

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S3A08	4.66m	1.00	2.06m	7.50m ³	4.33t	4.88t	5.20t	2.7 x 2.7 x 0.15m
S3A10	5.24m	1.50	2.06m	9.50m ³	5.48t	6.18t	6.58t	2.7 x 2.7 x 0.15m
S3A12	5.87m	2.00	2.06m	11.50m ³	6.64t	7.48t	7.97t	2.7 x 2.7 x 0.20m
S3B13	5.48m	1.00	2.57m	13.00m ³	7.50t	8.45t	9.01t	3.2 x 3.2 x 0.20m
S3A14	6.45m	2.50	2.06m	13.50m ³	7.79t	8.78t	9.36t	2.7 x 2.7 x 0.20m
S3A16	7.08m	3.00	2.06m	15.50m ³	8.94t	10.08t	10.74t	2.7 x 2.7 x 0.25m
S3B16	6.06m	1.50	2.57m	16.10m ³	9.29t	10.47t	11.16t	3.2 x 3.2 x 0.20m
S3C17	5.84m	1.00	2.87m	17.20m ³	9.92t	11.18t	11.92t	3.5 x 3.5 x 0.20m
S3B19	6.69m	2.00	2.57m	19.20m ³	11.08t	12.48t	13.31t	3.2 x 3.2 x 0.20m
S3C21	6.42m	1.50	2.87m	21.10m ³	12.17t	13.72t	14.62t	3.5 x 3.5 x 0.25m
S3B22	7.27m	2.50	2.57m	22.40m ³	12.92t	14.56t	15.52t	3.2 x 3.2 x 0.25m
S3C25	7.05m	2.00	2.87m	25.00m ³	14.43t	16.25t	17.33t	3.5 x 3.5 x 0.25m
S3B26	7.90m	3.00	2.57m	25.50m ³	14.71t	16.58t	17.67t	3.2 x 3.2 x 0.25m
S3D26	6.59m	1.00	3.35m	25.60m ³	14.77t	16.64t	17.74t	4.0 x 4.0 x 0.25m
S3C29	7.63m	2.50	2.87m	29.00m ³	16.73t	18.85t	20.10t	3.5 x 3.5 x 0.25m
S3D31	7.16m	1.50	3.35m	31.00m ³	17.89t	20.15t	21.48t	4.0 x 4.0 x 0.25m
S3D36	7.80m	2.00	3.35m	36.30m ³	20.95t	23.60t	25.16t	4.0 x 4.0 x 0.30m
S3D42	8.37m	2.50	3.35m	41.60m ³	24.00t	27.04t	28.83t	4.0 x 4.0 x 0.35m
S3D47	9.01m	3.00	3.35m	47.00m ³	27.12t	30.55t	32.57t	4.0 x 4.0 x 0.35m

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Optional Extras



From assisting with silo filling, improving feed flow and providing alternative discharge options, Collinson have an optional extra to suit your every need. Here are just a few of the more common solutions which can be chosen to complement your new silo.



Dual Discharge Chute

The SafetyClean Plus can be integrated into the Floview SafetyClean panel to allow additional feed to be discharged into bags when a conveyor is connected.



Safety at Height

The robust safety ladders are designed to the latest Eurocode providing safe access to the central roof hatch to allow visual inspection inside the silo.



Versatile Filling Options

Extension filler pipes provide total flexibility to allow silos to be situated where vehicular access is restricted. They are ideal if you simply wish to create a centralised filling point for ease of delivery or in the case of high health sites extension fillers may be utilised so filling of the silos can be undertaken from a perimeter point, removing the need for delivery vehicles to enter the site.



Improve BioSecurity

The Cyclone Dust Collector is connected to your silo exhaust pipe to capture dust generated during filling to leave your base clean and improving bio-security by reducing the amount of vermin and subsequently diseases such as TB.

Feed dust collected can be re-used saving reducing wastage and saving you money.



Feed Transportation

Conveying is the ideal method to get your feed from A to B, eliminating the need for manual handling.

Our range of conveying systems provide flexibility in design and reliability in operation, with options on centreless conveyors, chain and disc or cable and disc there is a conveyor ideal for your feeding requirements.



Feed Accuracy

Our range of load cells and mounting frames can be included on your silo to form an integral part of an accurate feed management system for monitoring feed deliveries and helping improve operational efficiency.