

SKIOLD FLEXIBLE AUGERS

and Mineral Hoppers



**SKIOLD MAKES
THE DIFFERENCE!**

- Hoppers 400 and 700 litres
- Flexible augers 75 and 90 mm
- Many combination possibilities
- Applicable for most raw materials



MINERAL HOPPERS



MINERAL HOPPER

This is normally used for premixed mixtures to be conveyed to the mixer or wetfeeding tank. At the conveying point of these mixtures, a flexible auger with a 40 mm pitch is used in order to obtain a low capacity and thus greater accuracy at the weighing point into the mixer. Where there is limited space available, the two hoppers can be placed on top of one another, but please note that there is an increased filling height on the upper hopper.

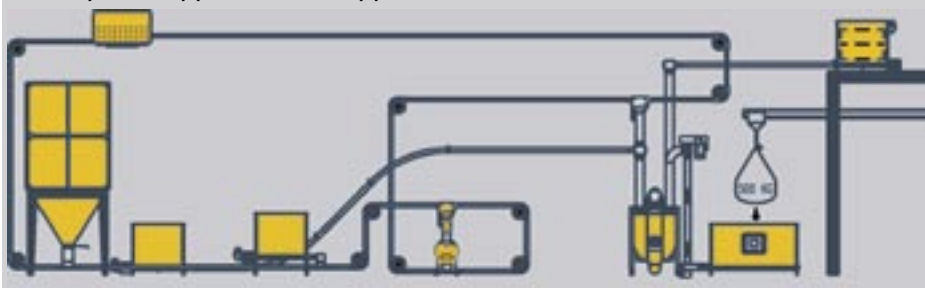
DIFFICULT RAW MATERIALS

Certain raw materials do not flow easily in the hopper, i.e. fishmeal. In order to overcome this problem you can install an agitator (extra outfit) driven by a 0.75 kW gear motor. This makes the material flow constantly during emptying, thus preventing accumulation.

Dimension sketches



Examples of application of hopper



TECHNICAL SPECIFICATIONS

400 L & 700 L available for:

- Ø 75 mm flexible auger
- Ø 90 mm flexible auger
- Ø 102 mm auger
- Agitator 0.37 kW

FLEXIBLE AUGERS



SKIOLD flexible augers are available in two sizes, 75 mm diameter and 90 mm diameter. For both models, SKIOLD offers a comprehensive range of accessories, making almost any conveying possible. The auger is made of flat spring steel with an ultimate stress, thus ensuring a stable operation. The 75 mm diameter auger is available in two different pitches. The smaller auger would be used for conveying mineral/vitamin mixtures or fish meal. It can also be used for lower capacity work.

DRIVE UNIT

The drive units are always supplied with gear motor, giving lower operational costs and repairs, when compared to a V-belt driven motor. The drive unit can be mounted on inlet or outlet, but preferably indoors. If the drive unit is placed at both ends of the auger, the maximum lengths can be increased by up to 30%, giving a higher capacity at given lengths.

INLET / OUTLET

The inlet has a 300 x 300 mm opening, and comes complete with a fixed capacity regulator. This can be further complemented with connections and bends to other dimensions. Inlets for two augers are available so that material can be con-

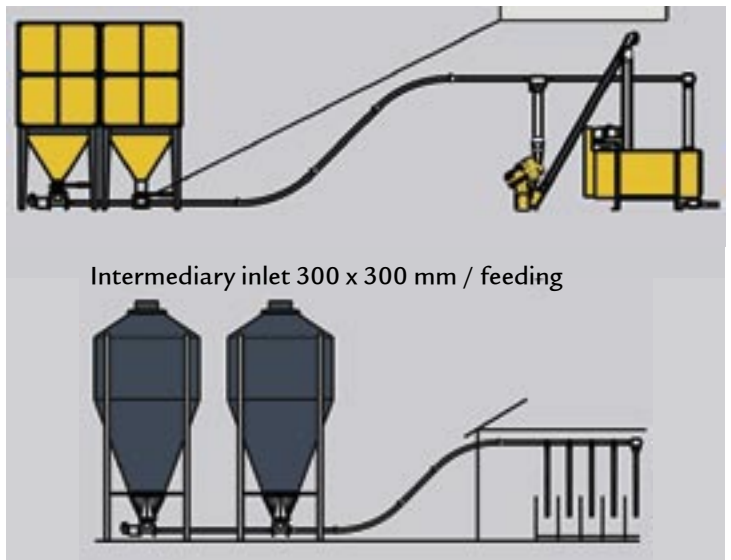
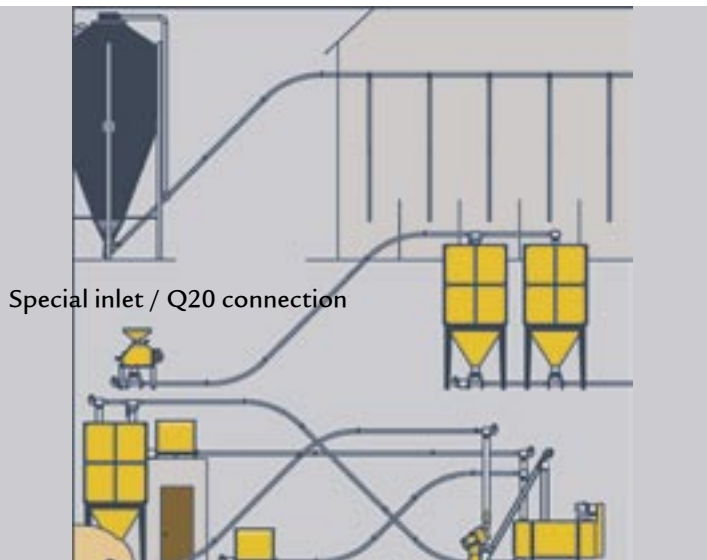
veyed from one silo to two different places. The outlet has an 150 mm diameter opening and is prepared for the mounting of a stop sensor. The outlets can be mounted on top of each other as a block system, or a double outlet can be used for receiving material from two augers, thus avoiding the need to mount several inlets in the mixer or wet feeding tank.

INTERMEDIARY INLETS

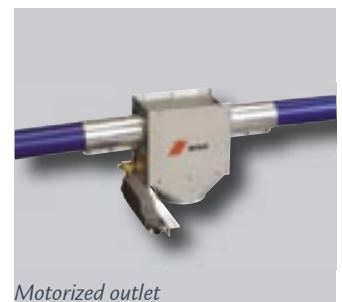
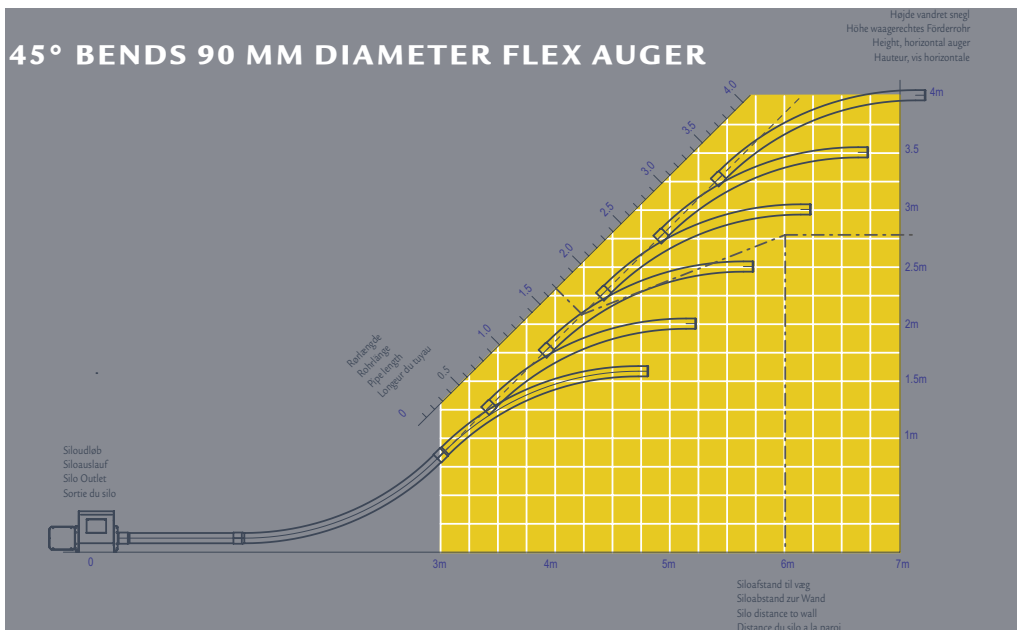
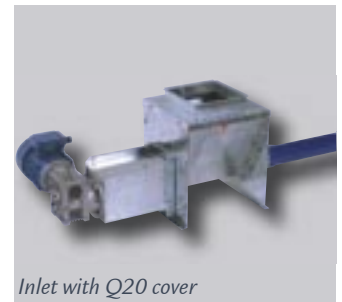
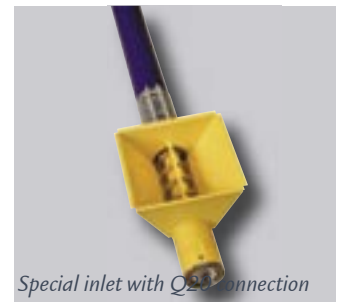
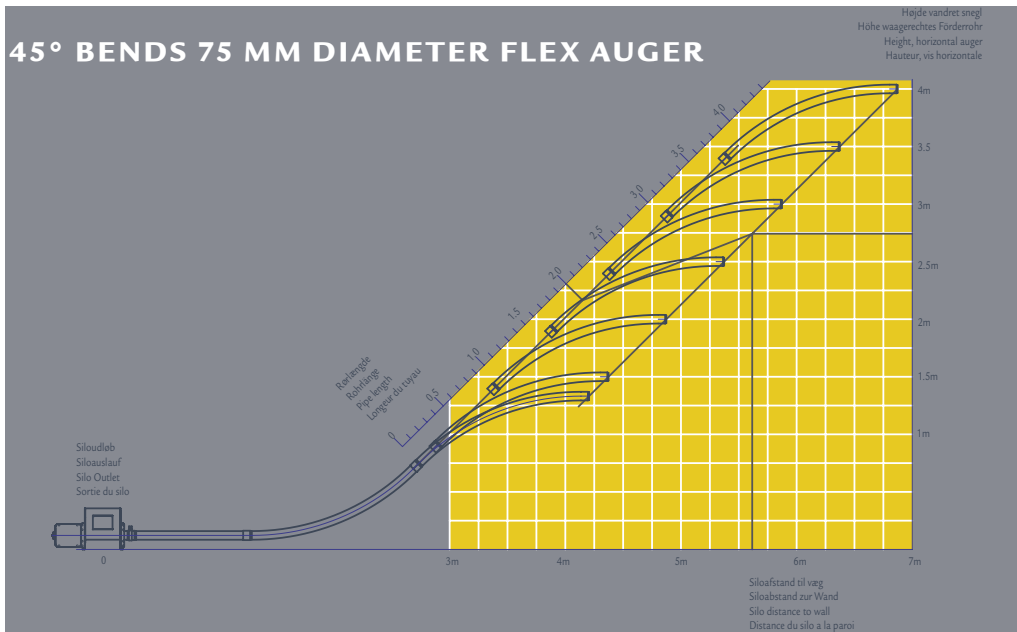
Intermediary inlets, without capacity limitations, can be used where two inlets for the same auger are wanted. As this fills the auger 100%, there are certain limitations for the application of these inlets. The total auger length can be a maximum of 20 metres, and the intermediary inlet can be placed 3 metres away from the first inlet. The auger cannot be used for mineral/vitamin mixtures or other raw materials with a density of more than 0.75.

FEEDING

Flexible augers are ideally suited to feeding plants and, at smaller installations, are often more favourable in price than the traditional feeding plants. To conclude, the system is comprised of a range of feed outlets with attachable telescopic pipework for the automatic filling of feed dispensers.



Technical Specification Flexible Augers	Max. density	Max. Length at 0.75 kW	Max. Length at 1.1 kW	Max. Cap. kg/hour
Ø75 mm pitch = 60 mm				
Meal	0.6	30	50	1100
Grain/pellets < Ø 6 mm	0.75	30	50	1500
Crushed grain	0.4	30	50	700
Ø75 mm pitch = 40 mm				
Minerals	1.0	20	-	850
Ø90 mm pitch = 60 mm				
Meal	0.6	25	50	1400
Grain/pellets < Ø 12 mm	0.75	25	50	2500
Crushed grain	0.4	25	50	900



SKIOLD Reklame & Marketing - CB-2005.03.02 - All Rights Reserved.



SKIOLDA/S
 Kjeldgaardsvej 3
 DK-9300 Sæby · Denmark
 Tel: +45 99 89 88 87
 Fax: +45 99 89 88 77
 www.skiold.com · skiold@skiold.com



Vacuum & Milling Solutions
 PO Box 869
 Jimboomba Qld 4280 . Australia
 Ph: 0417 447 952
 Fax: 0755 477 677
 Email: martin@vacmillsolutions.com.au
 www.vacmillsolutions.com.au