

universal **ELEVATOR**



Buckets

## Buckets

Simatek Bulk Systems A/S offers a number of different bucket qualities meeting various requirements of the industry i.e. product features, physical conditions, temperature and requirements for food contact.

Simatek elevator buckets are divided in the following categories:

- Injection moulded buckets in various plastic qualities: antistatic, detectable, food approved
- Thermoformed buckets in various plastic qualities
- Steel buckets in various steel qualities

### Standard buckets

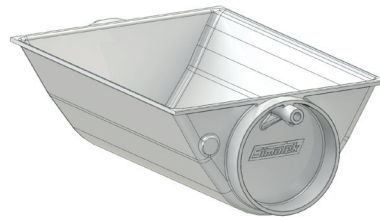
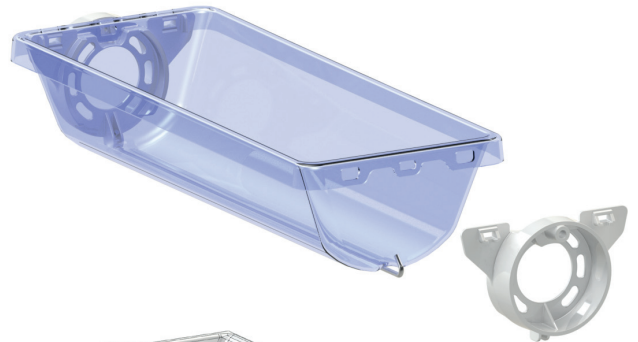
Our standard buckets are produced in injection moulded plastic, with bucket overlap and an integrated gable ring for a mechanical, forced controlling system.



### Free Rotating Buckets (FRB)

Free rotating buckets are without overlap, with limited mechanical, forced controlling system and for the thermoformed version also with replaceable gables.

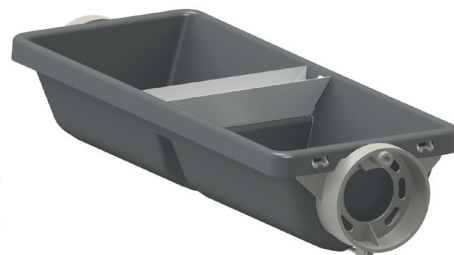
Free rotating buckets are only used in connection with the Simatek drum feeding system (Continuous Batch Feeding System – CBFS) where the buckets are filled one by one.



### Split buckets

Split buckets are used for simultaneous conveying of two product types or qualities in the same elevator bucket.

Split buckets may be a good solution for the sorting and separation processes where separated product fractions must be conveyed in the same elevator.



## Bucket materials

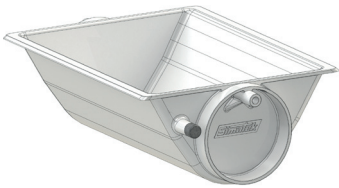
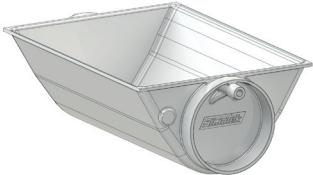
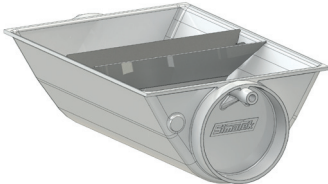

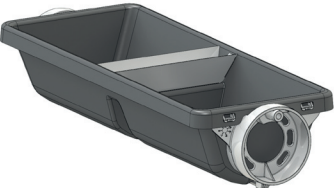
	Max temp °C	Food contact	Antistatic	Elevator type				
				33	110	160	200	400
<b>PP</b> <i>Polypropylene</i>	60	*/** X		X	X	X		
<b>PP-Detectable</b> <i>Polypropylene Magnetic and X-ray detectable</i>	60	*/** X		X	X	X		
<b>PP-Glass</b> <i>Polypropylene with glass fibre</i>	90	*/** X		X	X	X	X	
<b>PP-Glass-AS</b> <i>Polypropylene antistatic with glass fibre</i>	90	*/** X	X	X	X	X	X	
<b>PA</b> <i>Polyamide</i>	90			X	X	X		
<b>PE-EL</b> <i>Polyethylene Antistatic</i>	80		X				X	
<b>PC</b> <i>Polycarbonate</i>	120						X	X
<b>MS</b> <i>Mild steel (electro-galvanised)</i>	250		X	X	X			
<b>SS</b> <i>Stainless steel</i>	250	* X	X	X	X			

\* According to  
-REGULATION (EC) No 1935/2004 on materials and articles intended to come into contact with food.

\*\* According to  
-REGULATION (EC) No 10/2011 on plastic materials and articles intended to come into contact with food.

A Gentle and Flexible Solution

## Executions

	Construction	Feeding of elevator	33	110	160	200	400
	Standard bucket, injection moulded.	With overlap for traditional feeding.	x	x	x	x	
	FRB* type bucket, injection moulded.	Without overlap for feeding with Drum Feeder.	(x)	x			
	FRB* type bucket, injection moulded. Bucket divided in 2 sections for parallel conveying of different product.	Without overlap for feeding with double Drum Feeder.		x			
	FRB* type bucket, thermoformed.	Without overlap for feeding with Drum Feeder.			**	X	X
	FRB* type bucket, thermoformed. Bucket divided in 2 sections for parallel conveying of different product.	Without overlap for feeding with double Drum Feeder.			**	X	
Volume (Ltr. per bucket at 100% filling / Buckets per m) (Non divided buckets)			3.2/5	9.4/3.3	16.0/3.3	18.5/3.3	40/2.5

\* Free Rotating Bucket

\*\* Elevator size 160: Use bucket type 200 if other than standard is requested