

Detectable Products



Metal + X-ray Detectable

A range of sweepers and handbrushes where both brush block and filaments are fully detectable.

Metal + X-ray Detectable

A range of one-piece molded articles as: Spatulas, scraper with rubber, bucket, hand-scoops, shovels and dustpan.

Metal Detectable

A range of sweepers and handbrushes which only the filaments are detectable, not the brush block.

Klipspringer has two detectable options.

- A fully detectable range, where the complete item is detectable. This is for industries that want to ensure that production achieves a secure process at a high level.
- A range where only the filaments are detectable

Detectable products can prevent catastrophic consequences.

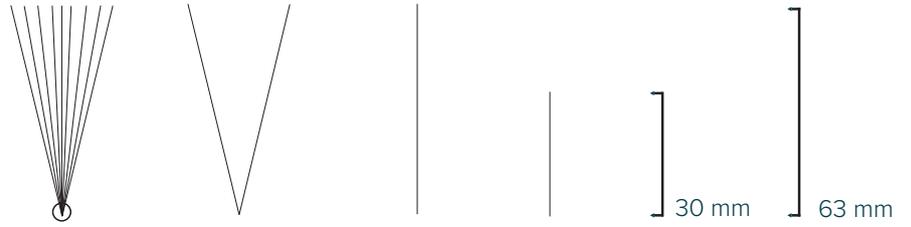
- Food safety requirements are greater than ever, and more standards (e.g. BRC) is required to use detectable products in food and beverage production as a mandatory requirement. Poor product management and later bad control can have huge consequences: Financial losses and recalls due to foreign objects will create bad publicity and position your brand as unprofessional and unreliable.

Detectable product tests

- Detectability testing of Klipspringer detectable brushes with filament \varnothing 0,35mm / 0,60mm, dough scraper and squeegee with detectable rubber.
- All product detectability is checked on the LOMA SYSTEMS detector model IQ3ST, with different settings. Frequency, angle phase and threshold. Size of the inspection window 350 x 750mm repeats on all products.
- During all tests all contaminants were put inside the package with the product, in various positions.

	Settings in program chicken filet	Settings in program sausages	Settings in program cream cheese	Settings in program marshmallow	Settings in program pasta noddles	Settings in program frozen strawberries
Frequency	231kHz	231kHz	348kHz	348kHz	348kHz	348kHz
Size of the inspection window	75 x 350 mm					
Angle phase	32,7	54,2	19,7	- 85,8	-85,1	-66,4
Threshold	3275	3900	3460	500	320	900

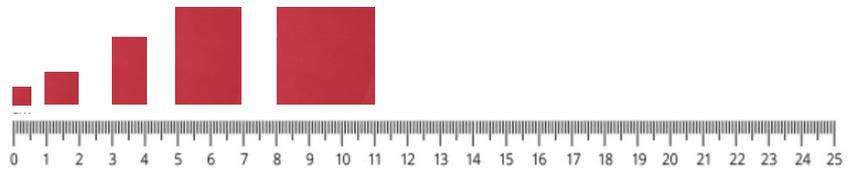
Detectable filament sample size measured in mm.



Filament dimension Ø 0,35 mm	Program chicken filet	Program sausages	Program cream cheese	Program marshmallow	Program pasta noodles	Program frozen strawberries
	No	No	No	Yes	Yes	No
	Yes/No	No	No	Yes	Yes	Yes/No
V	Yes	Yes/No	Yes/No	Yes	Yes	Yes
⌵	Yes	Yes	Yes	Yes	Yes	Yes

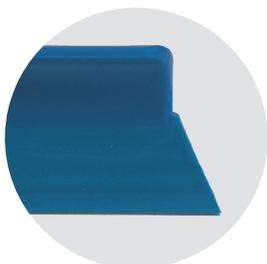
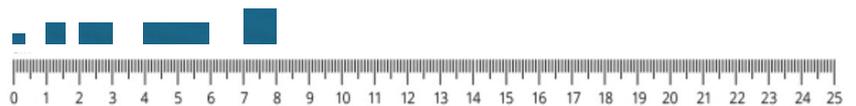
Filament dimension Ø 0,60 mm	Program chicken filet	Program sausages	Program cream cheese	Program marshmallow	Program pasta noodles	Program frozen strawberries
	Yes/No	No	No	Yes	Yes	Yes/No
	Yes	Yes/No	Yes/No	Yes	Yes	Yes
V	Yes	Yes	Yes	Yes	Yes	Yes
⌵	Yes	Yes	Yes	Yes	Yes	Yes

Detectable block sample size measured in mm.



Block dimension	Program chicken filet	Program sausages	Program cream cheese	Program marshmallow	Program pasta noodles	Program frozen strawberries
5 x 5 x 2 mm	Yes/No	No	Yes/No	Yes	Yes	Yes
10 x 10 x 2 mm	Yes	Yes	Yes	Yes	Yes	Yes/No
10 x 20 x 2 mm	Yes	Yes	Yes	Yes	Yes	Yes

Detectable rubber sample size measured in mm.



Rubber dimension	Program chicken filet	Program sausages	Program cream cheese	Program marshmallow	Program pasta noodles	Program frozen strawberries
3 x 3 x 3 mm	No	No	No	Yes/No	Yes	No
6 x 4 x 3 mm	Yes	Yes	Yes	Yes	Yes	Yes
10 x 7 x 3 mm	Yes	Yes	Yes	Yes	Yes	Yes