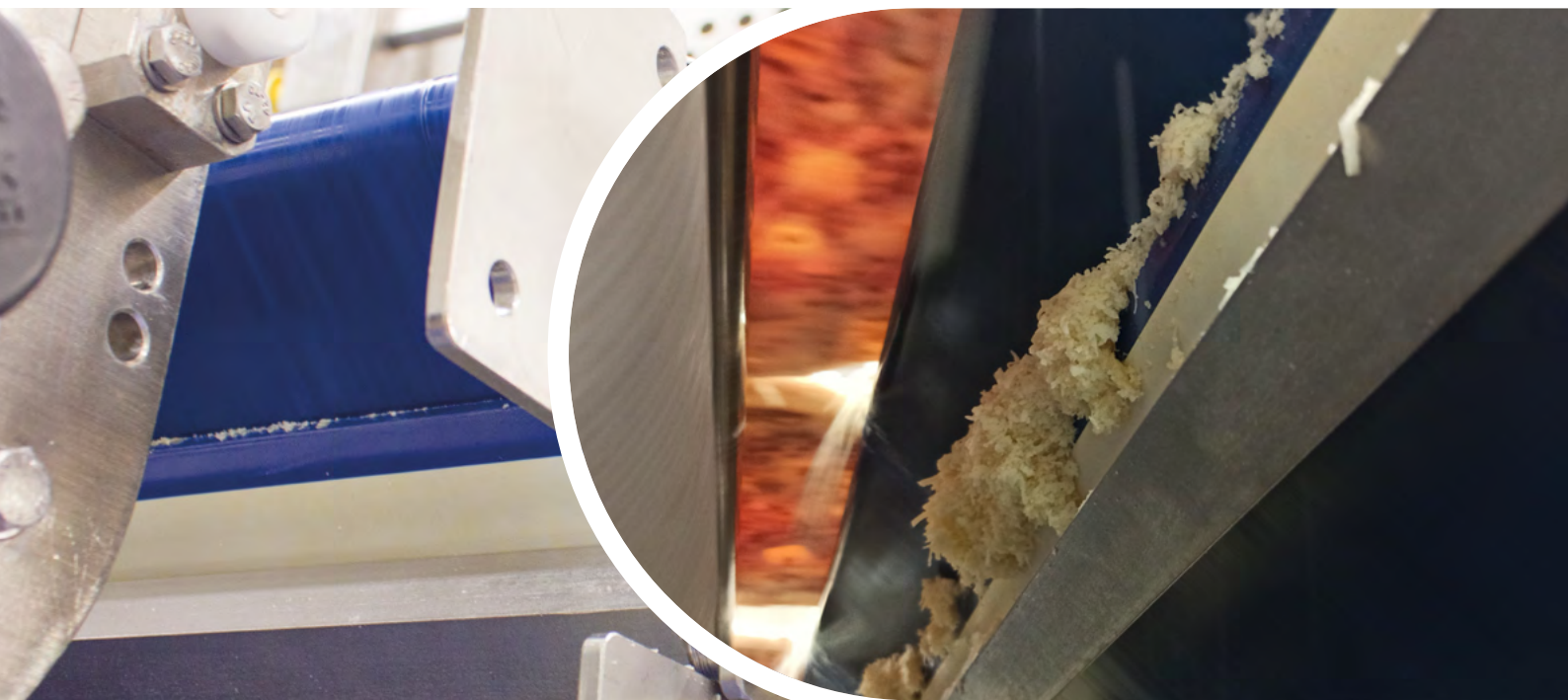


# TPU Scraper

## The efficient belt cleaning tool



### **For excellent hygiene and food safety**

Belt scrapers are an essential component on the production line in many sectors of the food processing industry. They are used to remove sticky parts of the transported goods from the belt. This prevents spillage and material accumulation on the return roller that could potentially lead to bacterial growth and food contamination. While belt scrapers must be efficient, they must

also avoid scratching or damaging the belt surface, which could decrease belt lifetime.

If belt cleaning is not properly performed, material leaks at transfer points can lead to the accumulation of extra material on the roller drums, causing tracking problems and damage to belt edges.

# The efficient belt cleaning tool

## Key advantages of using the Habasit TPU belt scraper

- Superior cleaning effectiveness even when used with liquids (oil, water, detergent, etc.), ensuring increased hygiene and food safety
- Extended belt lifetimes, leading to lower maintenance costs and reduced downtime
- X-ray and metal detectable version for additional food safety procedures
- Food approval from both the EU and FDA
- Suitable for all types of fabric and monolithic belts

## TPU belt scrapers vs. classic scrapers

Classic scrapers are usually made of metal or hard plastic.

A TPU scraper offers the advantage of a flexible tip:

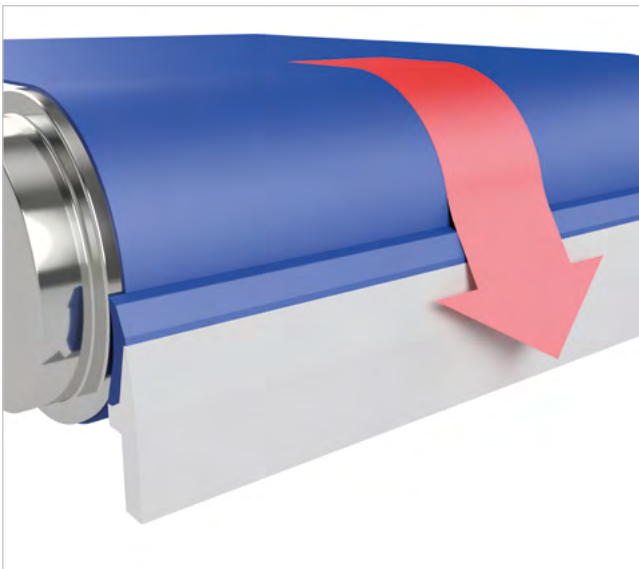
### No risk of damaging the belt surface

- When spillage builds up on the running side of the belt, the roller increases in diameter. This pushes the belt against the primary scraper, which if made of metal or hard plastic, can damage the belt surface. A TPU tip is flexible and adapts easily to belt irregularities.

### More efficient cleaning

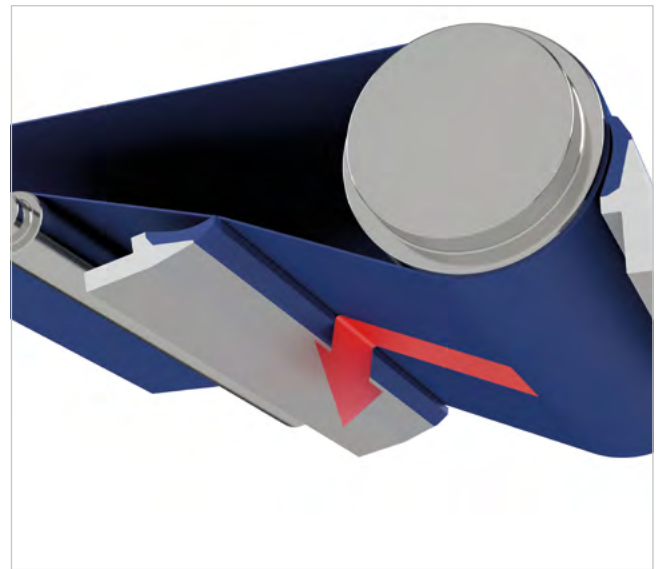
- Even when a classic scraper is mounted on a flexible rig, allowing belt irregularities to push the scraping bar away from the roller, the hard tip cannot accommodate this asymmetry, which results in uneven cleaning. A TPU scraping tip matches the belt surface in all cases, resulting in more efficient cleaning.

## Possible positions for the belt scraper



Primary scraper

When the material transported is made of coarse, sticky, or wet particles, the primary scraper is placed against the drive pulley immediately after the discharge flow. The vertical position depends on the belt speed and the size of the goods.



Secondary scraper

A secondary scraper can be installed along with the primary scraper if more thorough cleaning is required. It can also be installed alone if the transported material is dry and fine. Usually mounted after the drive pulley, in this configuration the scraper pushes directly against the belt to increase cleaning efficiency.

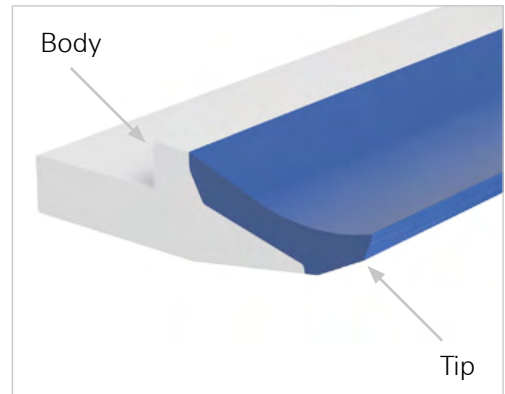
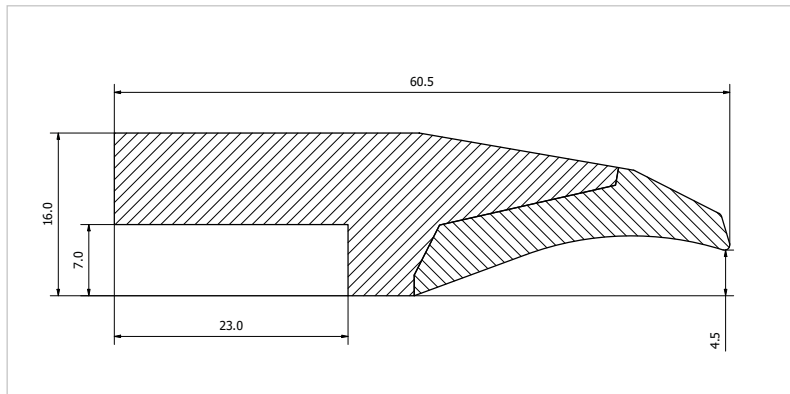
## Product characteristics

| Details     | Body          |               | Tip           |              | Options      |                            |
|-------------|---------------|---------------|---------------|--------------|--------------|----------------------------|
|             | Product code  | Body compound | Body hardness | Tip compound | Tip hardness | X-ray and metal detectable |
| E-BS38-FC   | TPU Polyether | 95 ShA        | TPU Polyester | 85 ShA       |              | ○ / ●                      |
| E-BS38-FC+M | TPU Polyether | 95 ShA        | TPU Polyester | 85 ShA       | ●            | ○ / ●                      |
| E-BS38-HC   | TPU Polyether | 95 ShA        | TPU Polyether | 87 ShA       |              | ○ / ●                      |
| E-BS38-HC+M | TPU Polyether | 95 ShA        | TPU Polyether | 87 ShA       | ●            | ○ / ●                      |
| E-BS38-JC   | TPU Polyether | 95 ShA        | TPU Polyether | 95 ShA       |              | ○ / ●                      |
| E-BS38-JC+M | TPU Polyether | 95 ShA        | TPU Polyether | 95 ShA       | ●            | ○ / ●                      |
| E-BS38-DN   | TPEE          | 90 ShA        | TPEE          | 90 ShA       |              | ○ / ○                      |

The Habasit TPU belt scraper complies with the following regulations: (EC) No 1935/2004, (EC) No 2023/2006, (EU) No 10/2011, (EC) No 1333/2008 (food additives), (EC) No 1334/2008 (flavourings) and FDA.

### TPU belt scraper dimensions

Belt scrapers come in a standard 2.4 m length, which can be cut as required.



### Technical consultancy


For specific or non-standard applications, please contact your Habasit specialist for advice and assistance with selecting the most suitable belt scraper solution.







## **Habasit International AG**

Römerstrasse 1  
CH-4153 Reinach, Switzerland

 +41 61 715 15 15

 +41 61 715 15 55

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