All apron covers are available as a retractable roll-up apron or as a non-roll-up version. Materials and design are selected based on the environment.

* Available as a walk-on cover

See page 10 for technical data & properties.

**COATED FABRIC**

High-tensile polymide fabric coated with polyurethane

- Highly resistant to wear
- Tear-resistance of approx. 500 kg over a width of 5 cm
- Can be used at temperatures ranging between −40°C and +120°C
- Special cover bands coated with viton on one side, for contact temperatures of up to 400°C
- Resistant against universal oils, greases and coolants, generally used in the manufacturing process

**STAINLESS STEEL**

Durable, corrosion-resistant stainless steel sheets assembled in sections

- Withstands high ambient temperatures
- Can be assembled in sections for easy replacement of damaged areas
- Completely resistant to penetration of contaminants (oils, coolant, swarf, chemicals, etc)
- Walk-on versions available using extruded aluminum tubing for support

**TYPICAL MOUNTING CONFIGURATIONS** Special mounting devices & combinations available upon request.
ALUFLEX / GS20
Aluminum profiles with polyurethane hinges
- Aluflex: High flexibility in both directions (25 mm bend radius)
- GS20: When rolled out, creates a flush surface (ideal for wipers)
- Resistant to high temperatures
- Resistant to corrosion
- Special coatings available depending on application
  (eg, hard anodized)
See page 5-6 for details

AGS SERIES (MINI, I*, II*, III*)
Anodized aluminum profiles & hinges
- Withstands high ambient temperatures
- High strain resistance even in long lengths
- Walk-on versions available (types I, II, III)
See page 7-8 for details

SERIES 53
Polyurethane / aluminum coated polyester sheets with steel, brass, or aluminum lamellas
- Suited for extreme working conditions
- Sufficient protection against high volumes of swarf
- Highly resistant against oil, grease, coolants and hot swarf
- Small coil radius / space saving design
See page 9 for details

STANDARD END PIECES
Special and custom end pieces available upon request.

normal bar
straight end piece
angle bracket
ALUFLEX

- Light, highly flexible hinge-type aluminum apron, particularly suited for the protection of machine parts which are not permanently exposed to hot chips

- Made of anodized aluminum precision profiles which are positively interlocked with polyurethane hinges (joints)

- The symmetric design of the aluminum profile enclosing the flexible hinges assures a high flexibility in both bending directions

- A simple but effective connection technique enables the users to easily assemble the aprons themselves. Profiles and hinges are available to lengthen existing aprons

- Splash-proof
**gs20 (hinge type)**

**GS20**
- Light aluminum apron with a rigid interlock
- When rolled-out, creates flush surface which can be wiped clean using one of Hennig’s wiper systems
- With the interlock, the polyurethane hinges are additionally protected
- High torsional stiffness
- Not recommended for horizontal deployment with simultaneous chip production
- Acceleration of 1.5 g and speed of 150 m/min are feasible

Locking design provides a flush surface suitable for wiper systems

[Diagram showing GS20 with labels for Aluminum Extrusion and Polyurethane Hinge]
APRONS
AGS mini, I, II, III

- Made of anodized aluminum precision profiles which are perfectly interlocked.
- Stable and flexible protection when space is limited.
- Special hinges prevent coarse dirt from entering and allow self-cleaning during the movement.
- Withstands high ambient temperatures up to 500°C.
- Resistant to corrosion by using anodized aluminum.
- High strain resistance, even in long lengths.
- Especially suitable for roll-up mechanisms.
- Walk-on versions available for AGS I, II, III
- Interchangeability of individual profiles.
- Side guides not required.
- The AGS mini, AGS I, AGS II, and AGS III differ in their profile cross sections and loading capacity.
- Standard version comes with protruding rivets - 2mm on each side. (AGS I and AGS II are available with protruding or flat head rivets.)

See page 11 for Quote Request Worksheet
AGS MINI
Small profile for tight spaces
not available as walk-on

AGS I
walk-on up to 1100 mm
non walk-on up to 3000 mm

AGS II
walk-on up to 2500 mm
non walk-on up to 4000 mm

AGS III
walk-on up to 1500 mm
non walk-on up to 3500 mm

* as required depending on application
These apron covers are highly flexible and designed for optimum protection against swarf and falling work pieces, especially suited for extreme working conditions.

- Sufficient protection in case of high volumes of swarf (e.g. at lathe tool posts)
- Two-layer carrier material: PUR coated fabric at the bottom, aluminum-coated glass fiber fabric at the top (heat resistance)
- Reinforced on both sides with steel, brass or aluminum lamellas, this type of apron is a robust cover element
- Highly resistant against oil, grease, coolants and hot swarf (contact temperature of up to +300°C)
- Splash-proof according to IP 54
- Small coil radius. Space saving. Easy assembly.
- Fastening is possible alternatively with angles, hinges or other fittings
## TECHNICAL DETAILS (ALL APRON TYPES)

### aluflex / gs20 / ags series

<table>
<thead>
<tr>
<th>TYPE</th>
<th>MATERIAL</th>
<th>TECHNICAL DATA</th>
<th>PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Profile/Hinge</td>
<td>Return / Coil Radius (min)</td>
<td>Resistance to emulsions</td>
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<tr>
<td></td>
<td>Width x Thickness (mm)</td>
<td>Net Weight (N/m²)</td>
<td>Max. Intermittent Contact Temp. (°C)</td>
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<td>ALUFLEX</td>
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<td>GS20</td>
<td>AL/PUR</td>
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<tr>
<td>AGS mini</td>
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<tr>
<td>AGS I</td>
<td>AL/-</td>
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<tr>
<td>AGS II</td>
<td>AL/-</td>
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<tr>
<td>AGS III</td>
<td>AL/-</td>
<td>38.1 x 18</td>
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</table>

### series 53

<table>
<thead>
<tr>
<th>TYPE</th>
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<th>TECHNICAL DATA</th>
<th>PROPERTIES</th>
</tr>
</thead>
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<tr>
<td></td>
<td>Top (side of swarf)</td>
<td>Return Radius (min)</td>
<td>Resistance to emulsions</td>
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<tr>
<td></td>
<td>Bottom (side of slideway)</td>
<td>Max. Intermittent Contact Temp. (°C)</td>
<td>Max. Permanent Contact Temp. (°C)</td>
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<td></td>
<td>Carrier (hinge) material</td>
<td>Net Weight (N/m²)</td>
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<td></td>
<td>Thickness (mm)</td>
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<td>S3-1</td>
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<td>PUR/AL</td>
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<tr>
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<td>ST 16x2</td>
<td>40</td>
<td>PUR/AL</td>
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</tbody>
</table>

- ● Excellent
- ◐ Good
- ◯ Suited under certain conditions
- ST = Steel
- MS = Brass
- AL = Aluminum
- PUR = Polyurethane
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