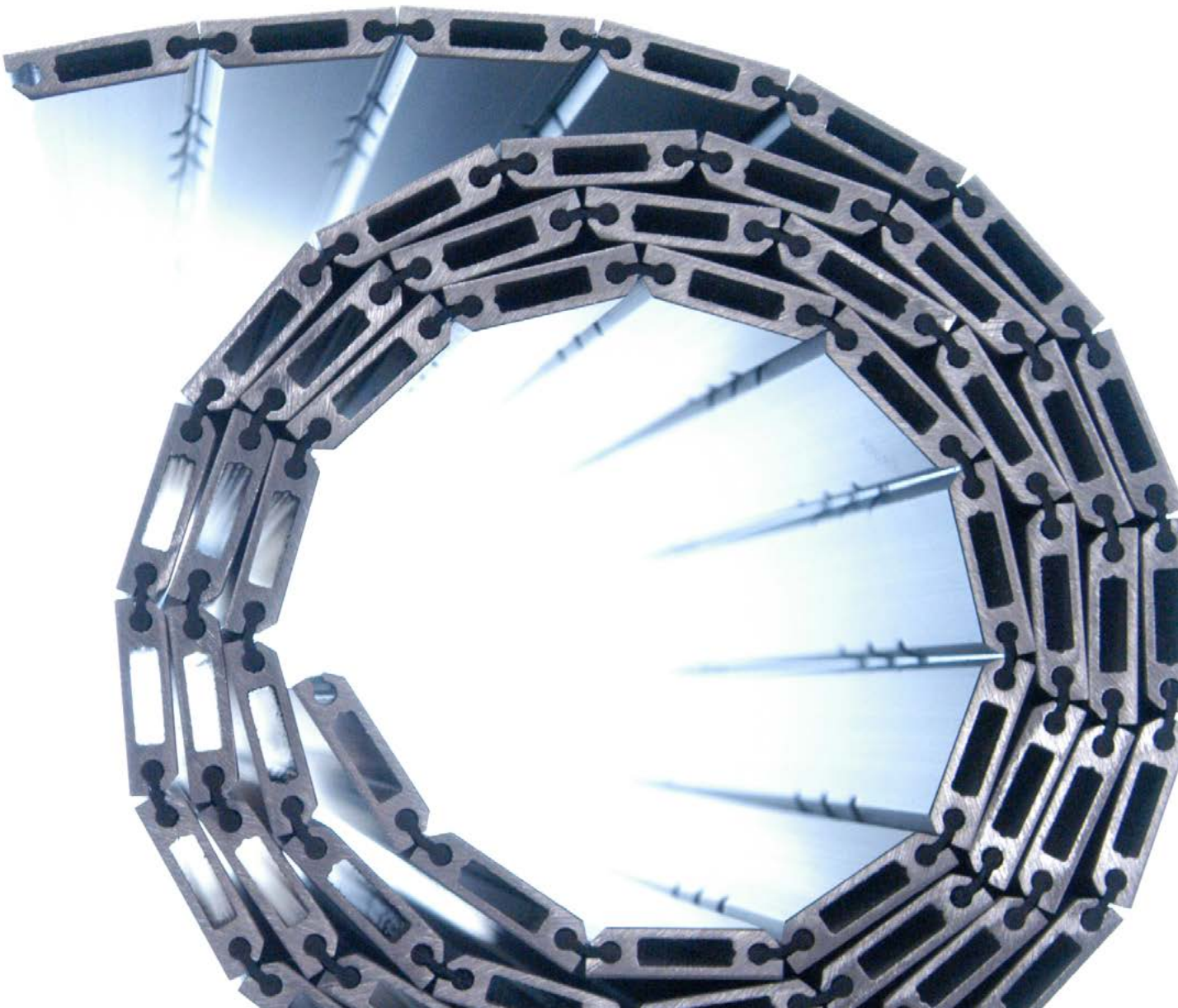


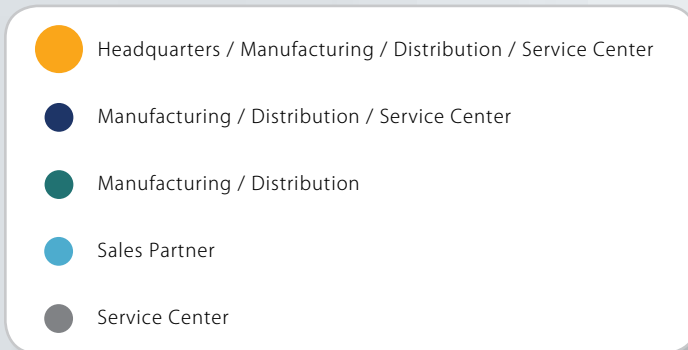
APRONS & ROLL-UPS

STANDARD APRONS | ROLL-UP APRONS | WALK-ON COVERS | PIT COVERS | SERVICE & REPAIR



HENNIG WORLDWIDE

manufacturing / sales / service centers



- 1** Headquarters / Manufacturing / Distribution / Service Center
- 2** Manufacturing / Distribution / Service Center
- 3** Manufacturing / Distribution
- 4** Sales Partner
- 5** Service Center

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3 Hennig / Gaden, S.A. de C.V.
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4 Hennig / Gaden, S.A. de C.V.
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5 Hennig / Gaden, S.A. de C.V.
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F: + 52 (55) 5319 32
ventas@grupogaden.com

6 Cobsen Ltda.
R. Benedito Mazulquim, 425
18550-000 Boituva CEP, Brazil
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F: + 55 15 3263-4070
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7 Hennig U.K. Ltd.
Unit 6, Challenge Close
Coventry CV1 5JG
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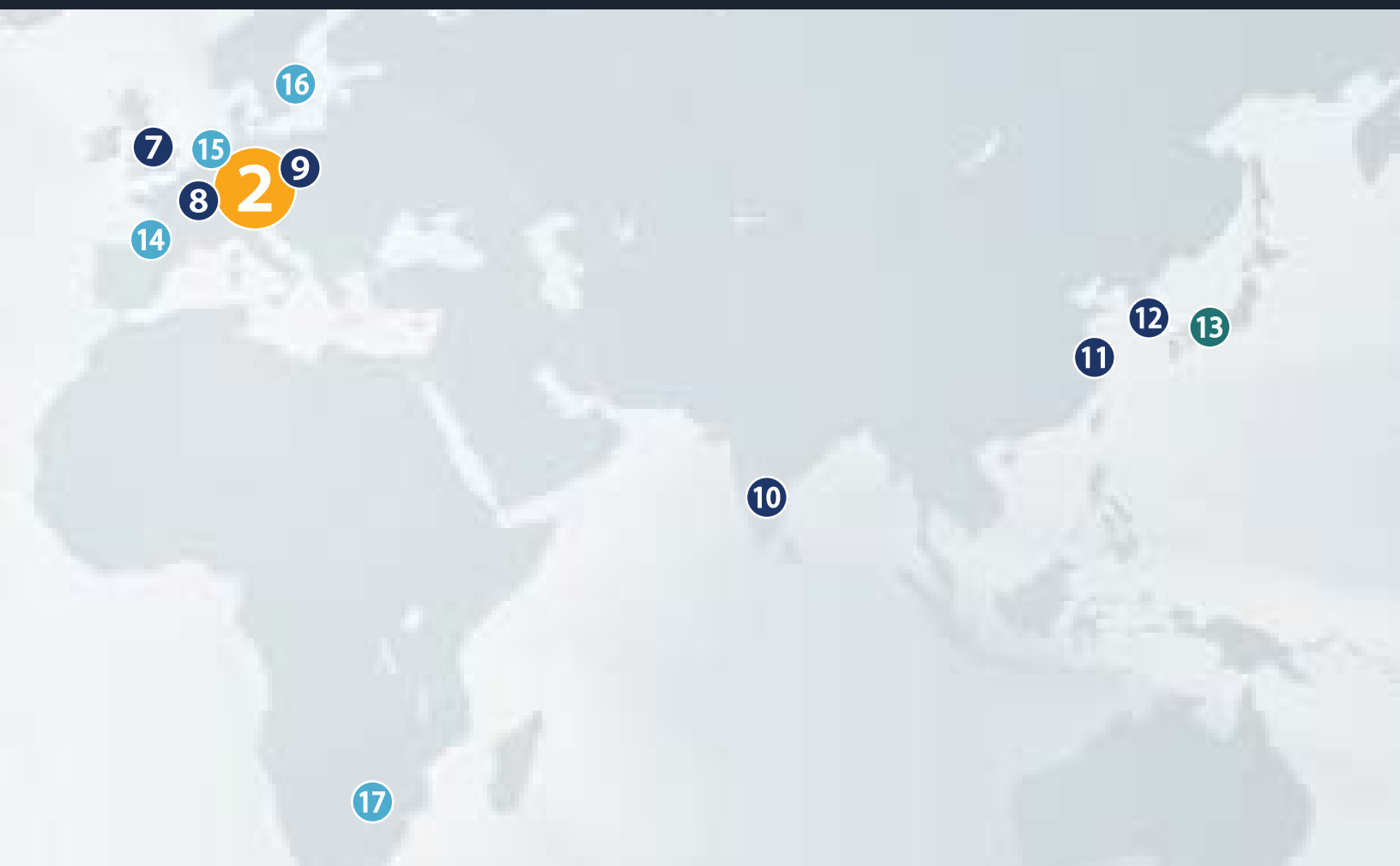
8 Sermeto E.I. SAS
Les Rebrillons
03300 Creuzier-le-Neuf
P: + 33 470 58 4740
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9 Hennig CZ s.r.o.
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18 Hennig, Inc. California Service Center
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20 Hennig, Inc. Michigan Service Center
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21 Hennig, Inc. Ohio Service Center
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22 Hennig, Inc. N. Carolina Service Center
8916 Pioneer Avenue, Dock 14
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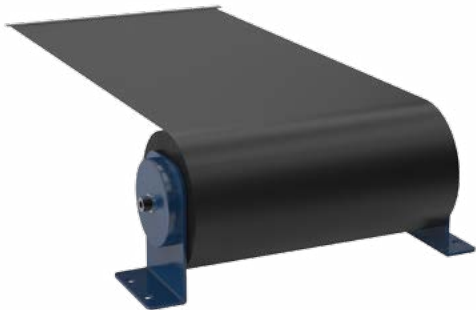
APRONS

materials & configurations

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

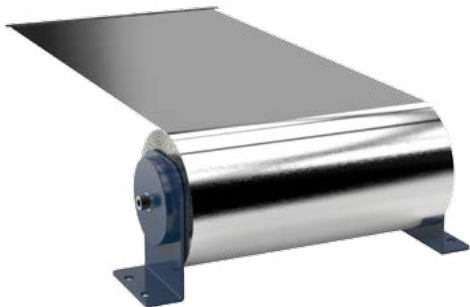
See page 10 for technical data & properties. See page 11 for Quote Request Worksheet.



COATED FABRIC

High-tensile polyimide 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 $+120^{\circ}\text{C}$
- 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.*

A



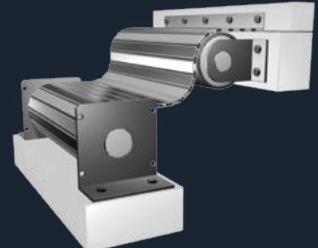
B



C



D





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

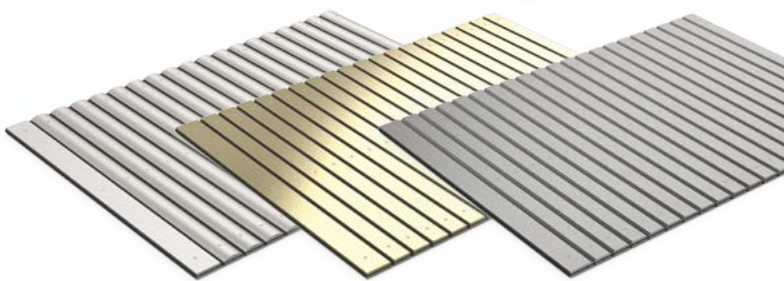


AGS SERIES (MINI, I*, II*, III*)

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

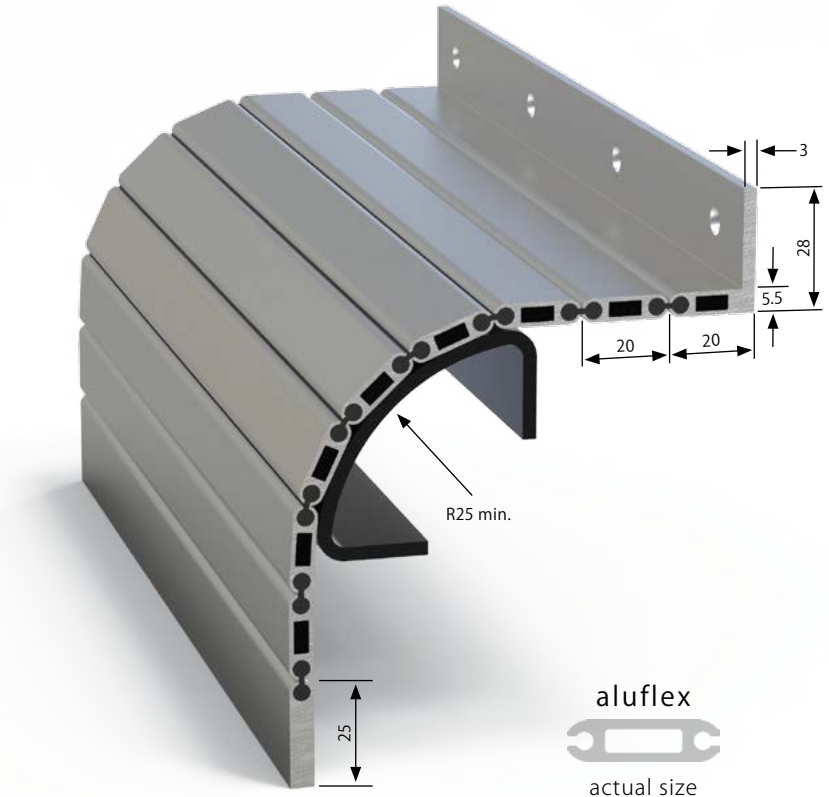
APRONS

aluflex (hinge type)

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

See page 11 for Quote Request Worksheet

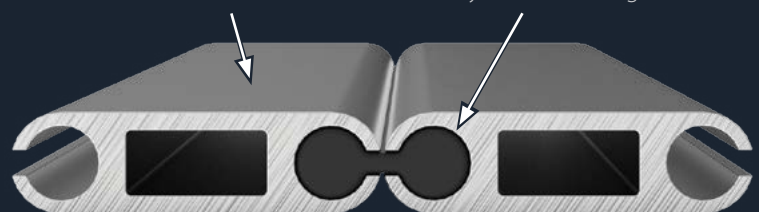


Symmetric design allows for high flexibility in both directions



Aluminum Extrusion

Polyurethane Hinge

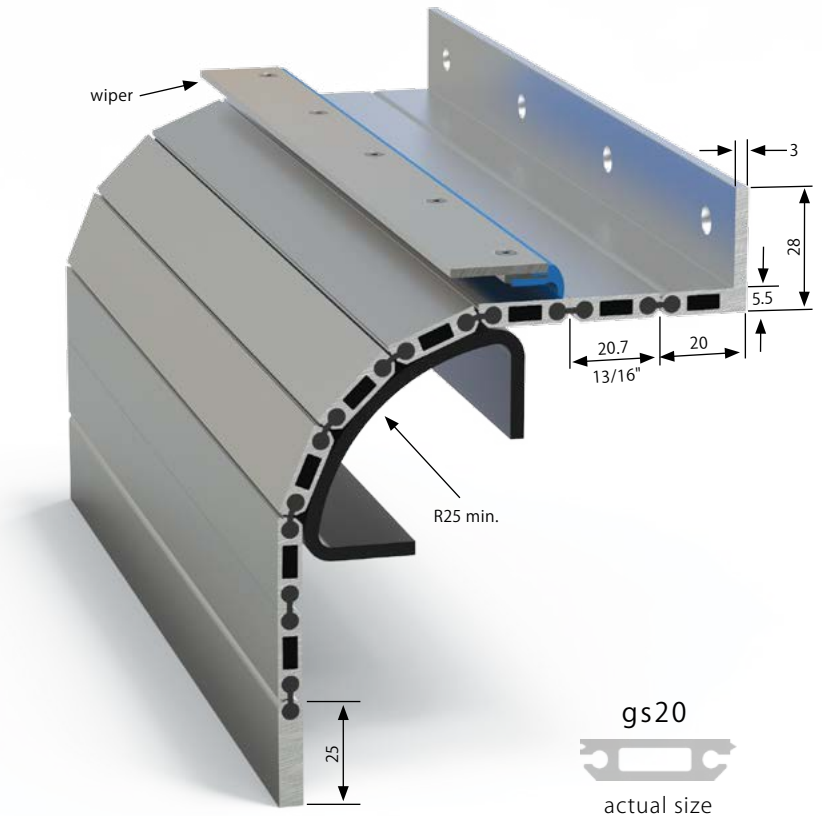


gs20 (hinge type)

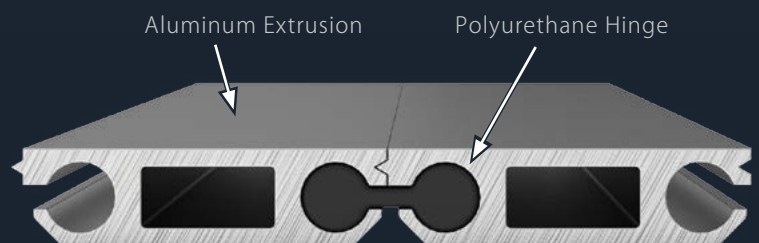
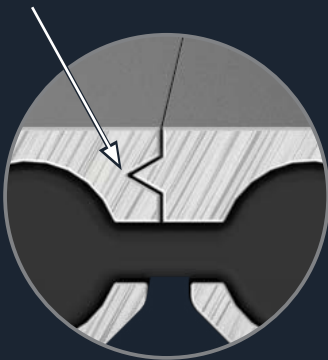
GS20

- 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

See page 11 for Quote Request Worksheet



Locking design provides a flush surface suitable for wiper systems



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



actual size

ags I



actual size

ags II

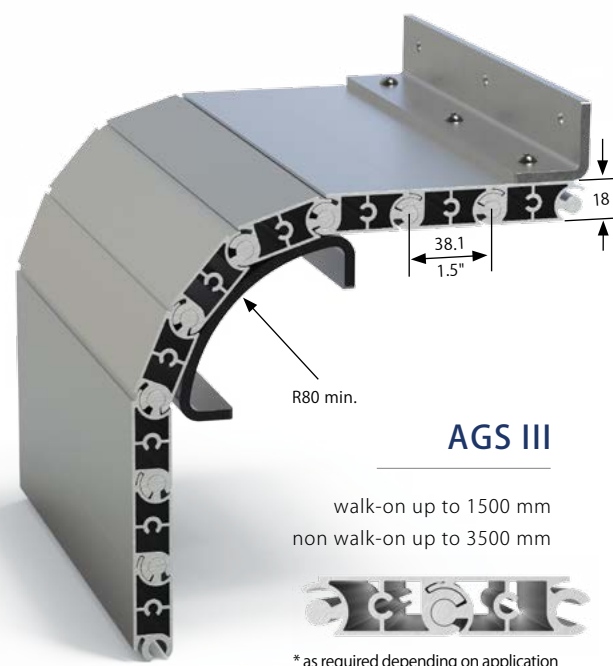
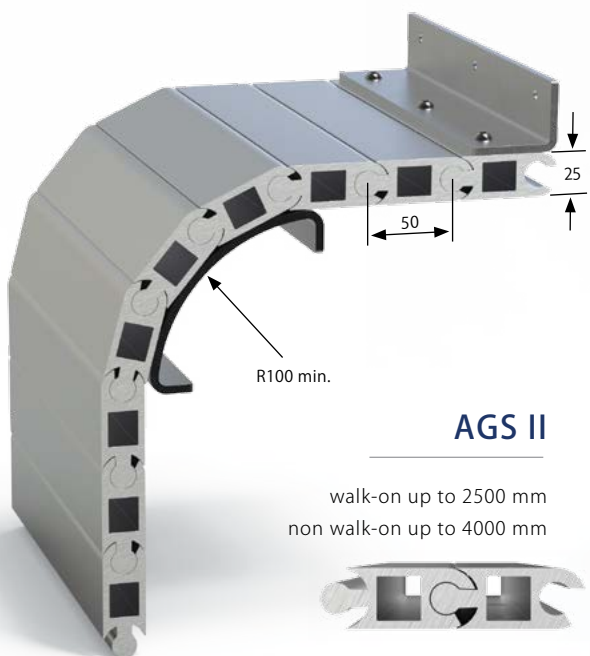
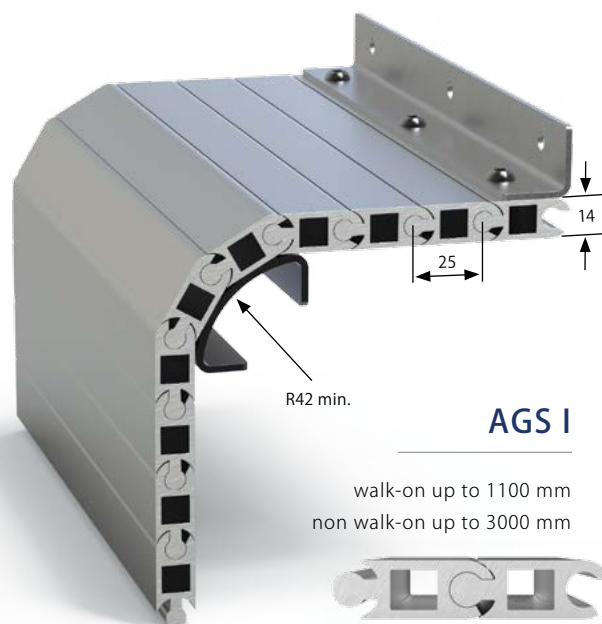


actual size

ags III



actual size



APRONS

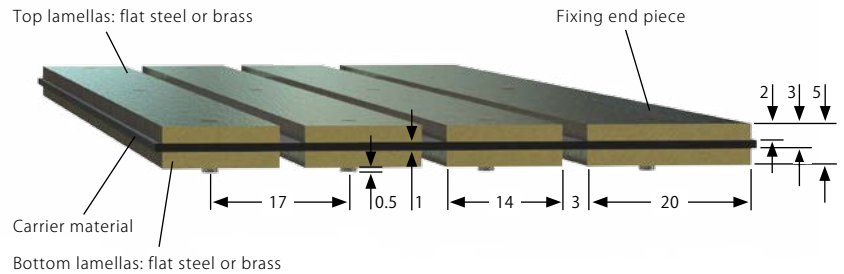
series 53 (metal clad aprons)

These apron covers are highly flexible and designed for optimum protection against swarf and falling work pieces, especially suited for extreme working conditions.

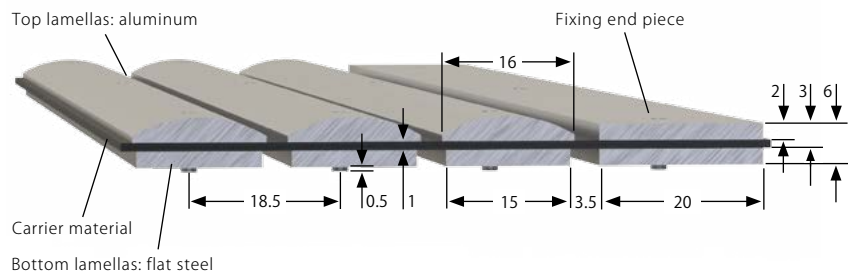
- Sufficient protection in case of high volumes of swarf (e.g. at lathe tool posts)
- Two-layer carrier material:
PUR coated fabric at the bottom,
aluminum-coated glass fiber
fabric at the top (heat resistance)
- Reinforced on both sides with
steel, brass or aluminum lamellas,
this type of apron is a 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

**See page 11 for Quote Request
Worksheet**

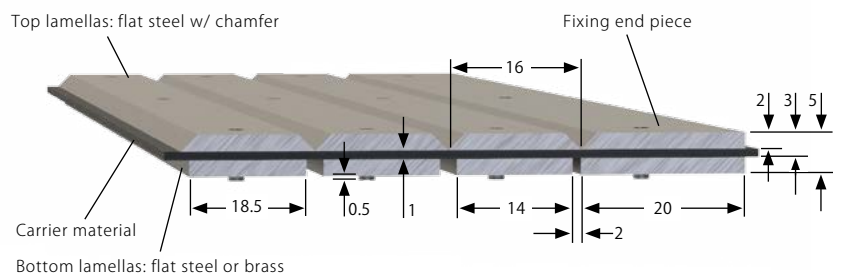
TYPE 53-1



TYPE 53-2









TYPE 53-4






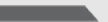








TECHNICAL DETAILS (ALL APRON TYPES)

aluflex / gs20 / ags series

TYPE		ALUFLEX	GS20	AGS mini	AGS I	AGS II	AGS III
MATERIAL	Profile/Hinge						
		AL/PUR	AL/PUR	AL/-	AL/-	AL/-	AL/-
	Width x Thickness (mm)	20 x 5.5	20.7 x 5.5	22.4 x 6.7	34.9 x 13.8	68.3 x 25	38.1 x 18
TECHNICAL DATA	Return / Coil Radius (min)	25	25	30	42	100	80
	Net Weight (N/m ²)	80	80	120	240	380	270
	Max. Intermittent Contact Temp. (°C)	150	350	500	500	500	500
	Max. Permanent Contact Temp. (°C)	120	120	200	500	500	500
PROPERTIES	Water Tightness (according to IP 54)	●	●	◐	◐	◐	◐
	Resistance to emulsions	◐	◐	●	●	●	●
	Suited for chip production areas	○	●	○	○	○	○
	Resistance to corrosion	●	●	●	●	●	●

series 53

TYPE		53-1	53-1	53-1	53-2	53-4	53-4
MATERIAL	Top (side of swarf)						
		ST 14x2	ST 14x2	MS 14x2	AL 16x3	ST 16x2	ST 16x2
	Bottom (side of slideway)						
		ST 14x2	MS 14x2	MS 14x2	ST 15x2	ST 14x2	MS 14x2
	Carrier (hinge) material	PUR/AL	PUR/AL	PUR/AL	PUR/AL	PUR/AL	PUR/AL
	Thickness (mm)	5.5	5.5	5.5	6.5	5.5	5.5
TECHNICAL DATA	Return Radius (min)	40	40	40	40	40	40
	Net Weight (N/m ²)	280	280	280	290	300	300
	Max. Intermittent Contact Temp. (°C)	300	300	300	300	300	300
	Max. Permanent Contact Temp. (°C)	120	120	120	120	120	120
	Coil Radius ≥ R 25	25	25	25	25	25	25
PROPERTIES	Water Tightness (according to IP 54)	●	●	●	●	●	●
	Resistance to emulsions	◐	◐	◐	◐	◐	◐
	Suited for swarf production areas	●	●	●	○	●	●

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

APRON COVERS QUOTE REQUEST

Please complete this form and email or fax to your desired location
(see pages 1-2 for contact info)

|||||HENNIG®www.hennigworldwide.com

1 COMPANY (complete address)

Name _____

Title _____

E-mail _____

Phone _____ Fax _____ Date ____/____/____

2 APPLICATION

Quantity _____

Machine Make _____

Machine Model _____ Year _____

Machining Type ☐ Lathe ☐ Milling ☐ Drilling ☐ Tapping ☐ Other _____Cover exposed to what kind of elements ☐ Coolant ☐ Chips ☐ Hot Chips ☐ Outdoor Elements ☐ Other _____Apron Type ☐ Coated Fabric☐ Extruded Aluminum (☐ Aluflex ☐ GS20 ☐ AGS mini ☐ AGS I ☐ AGS II ☐ AGS III)☐ Stainless Steel☐ Series 53 Metal Clad (☐ 53-1 ST/ST ☐ 53-1 ST/MS ☐ 53-1 MS/MS ☐ 53-2 AL/ST ☐ 53-4 ST/ST ☐ 53-4 ST/MS)

3 DIMENSIONS

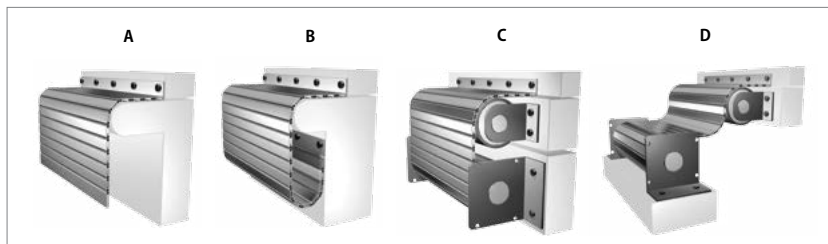
A Fully Extended Cover Length _____

B Cover Width _____

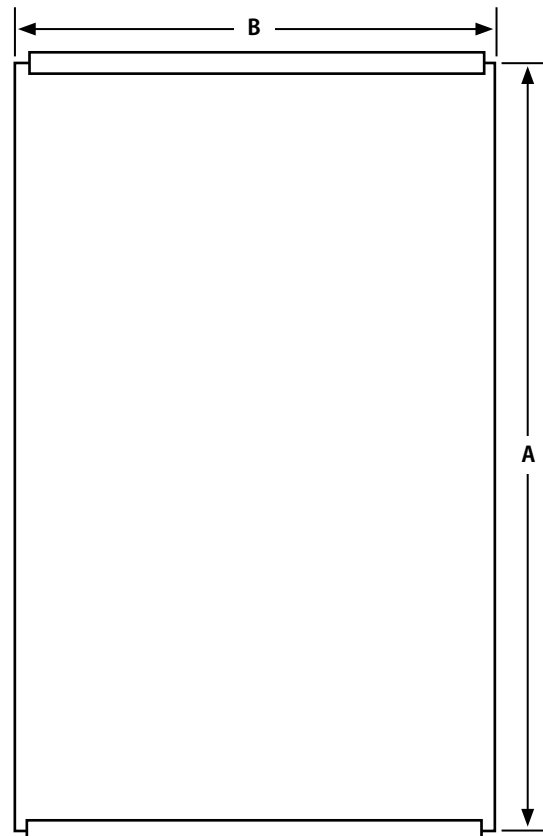
Length of Machine Travel _____

Mounting Configuration ☐ A ☐ B ☐ C ☐ D ☐ OtherMounting Type (End 1) ☐ None ☐ Straight ☐ Angle ☐ Other/CustomMounting Type (End 2) ☐ None ☐ Straight ☐ Angle ☐ Other/Custom

MOUNTING CONFIGURATIONS



MOUNTING ENDS



[illegible]

ROLL-UP COVERS

materials & configurations

- Available in coated fabric, stainless steel, or aluminum extrusions
- Custom designs based on your application
- High quality springs and ball bearing rollers with permanent lubrication ensure operational safety
- Driven with a special spring which is mounted in a dust proof casing
- Maximum traverse speed of 80m/min
- Maximum stroke is directly dependent on the width of the cover
- A metal casing (cannister) for protection against swarf can be supplied upon request
- Can be used in the open air under certain conditions

See page 21 for Quote Request Worksheet

ROLL-UP CONFIGURATIONS

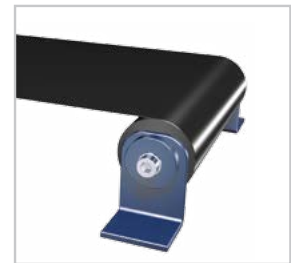
closed cannister

Protective cannister housings can be provided to add protection to the roll-up covers gearing, spindle, and wound-up cover areas.



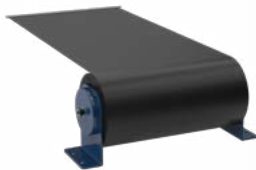
open reel

The standard option for roll-up aprons. Cost efficient and effective is most standard applications.

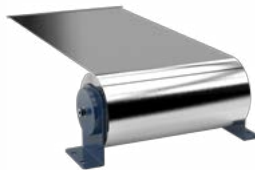


ROLL-UP MATERIALS *see page 3-4 for details*

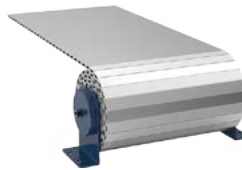
coated fabric



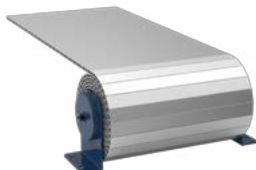
stainless steel



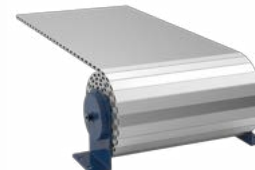
ags mini



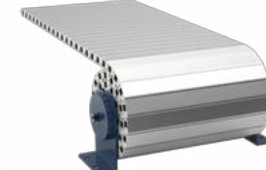
ags I



ags II

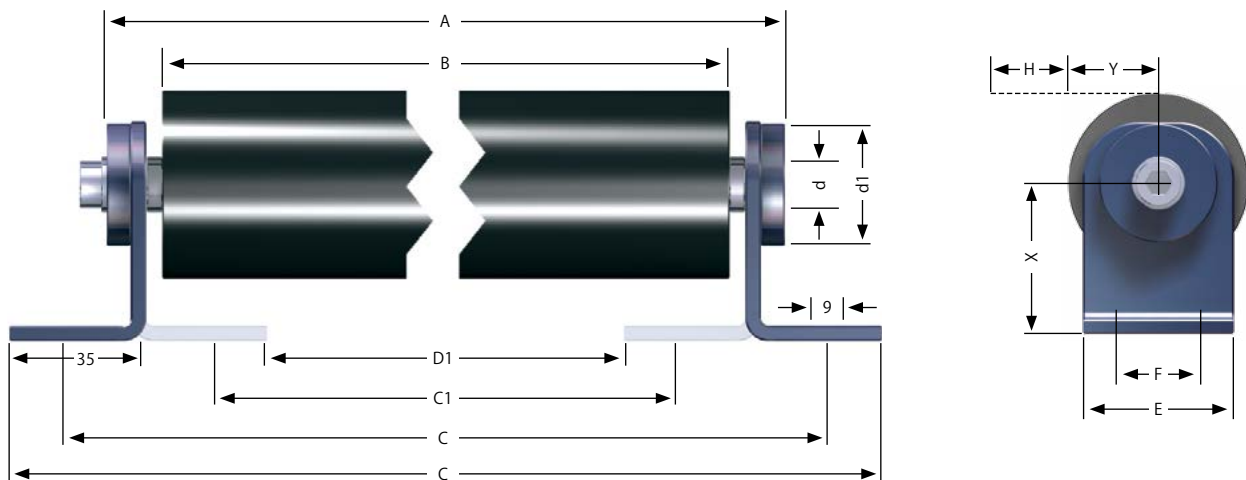


ags III



SERIES R-32, R-46, R-60

model shown with coated fabric, but is available with any materials from the "roll-up types" on page 13.



A = B + 30 mm
 B = Band width
 C = Hole pattern: B + 55 mm
 C1 = Hole pattern: B - 15 mm
 D = B + 80 mm
 D1 = B - 40 mm center and bracket
 d = Diameter of shaft

d1 = Diameter of tube
 E = Width of lateral brackets
 F = Hole pattern
 H* = Stroke
 X = Distance between shaft
 Y* = Pre-travel

* To be indicated in the inquiry

mm type	d1	d	E	F	X
R-32	32	12	40	20	40
R-46	46	20	50	30	50
R-60	60	30	60	40	60

TABLE OF DIMENSIONS FOR ROLL-UP COVERS | SERIES R-32, R-46, R-60

R-32	Band Width	≥ 100	≥ 150	≥ 200	≥ 250	≥ 300	≥ 350	≥ 400	≥ 450								
	Stroke H	100	300	400	500	600	750	850	950								
	Pre-load/windings	1	1	1	1.5	1.5	2	2.5	2.5								
R-46	Band Width		≥ 150	≥ 200	≥ 250	≥ 300	≥ 350	≥ 400	≥ 450	≥ 500	≥ 600	≥ 700	≥ 800	≥ 900	≥ 1000		
	Stroke H		200	400	600	750	875	1025	1150	1300	1500	1700	2000	2300	2600		
	Pre-load/windings		1.5	2	2.5	2.5	3	3.5	3.5	4	4	4.5	4.5	5	5		
R-60	Band Width			≥ 200	≥ 250	≥ 300	≥ 350	≥ 400	≥ 450	≥ 500	≥ 600	≥ 700	≥ 800	≥ 900	≥ 1000	≥ 1150	≥ 1300
	Stroke H			350	600	900	1050	1200	1350	1550	1750	2000	2325	2650	3000	3400	4000
	Pre-load/windings			2.5	3	3	3.5	4	4	4.5	4.5	5	5.5	5.5	6	7	8

ROLL-UP COVERS

series R-2000, R-4000, R-6000

SERIES R-2000, R-4000, R-6000

model shown with coated fabric, but is available with any materials from the "roll-up types" on page 13.

- The fastening brackets at the roll-up covers casing can be offset by 45° (see mounting options 1–6)
- The number of springs depends on the recoil force or traverse speed and will be determined at the design stage
- No need to disassemble the cover when replacing the recoil motors (bayonet fixing)
- Width of cover band from 100 to 2000 mm (Housing in cylindrical shape). Larger widths upon request.
For larger cover band widths, unsupported versions are not recommended

this system consists of three main parts

- Ball-bearing shaft for winding-up the cover band
- Completely enclosed metal casing with wipers keeping the cover band clean
- Spring motor which can be completely replaced if the spring breaks

TABLE OF DIMENSIONS

series R-2000

max stroke 2000mm

type	Spring Motor	p* (N)
R-2000 / A	I + IV	200
R-2000 / B	II + IV	150
R-2000 / C	I + III	150
R-2000 / D	II + III	100
R-2000 / E	IV	100
R-2000 / F	I	100
R-2000 / G	III	50
R-2000 / H	II	50

series R-4000

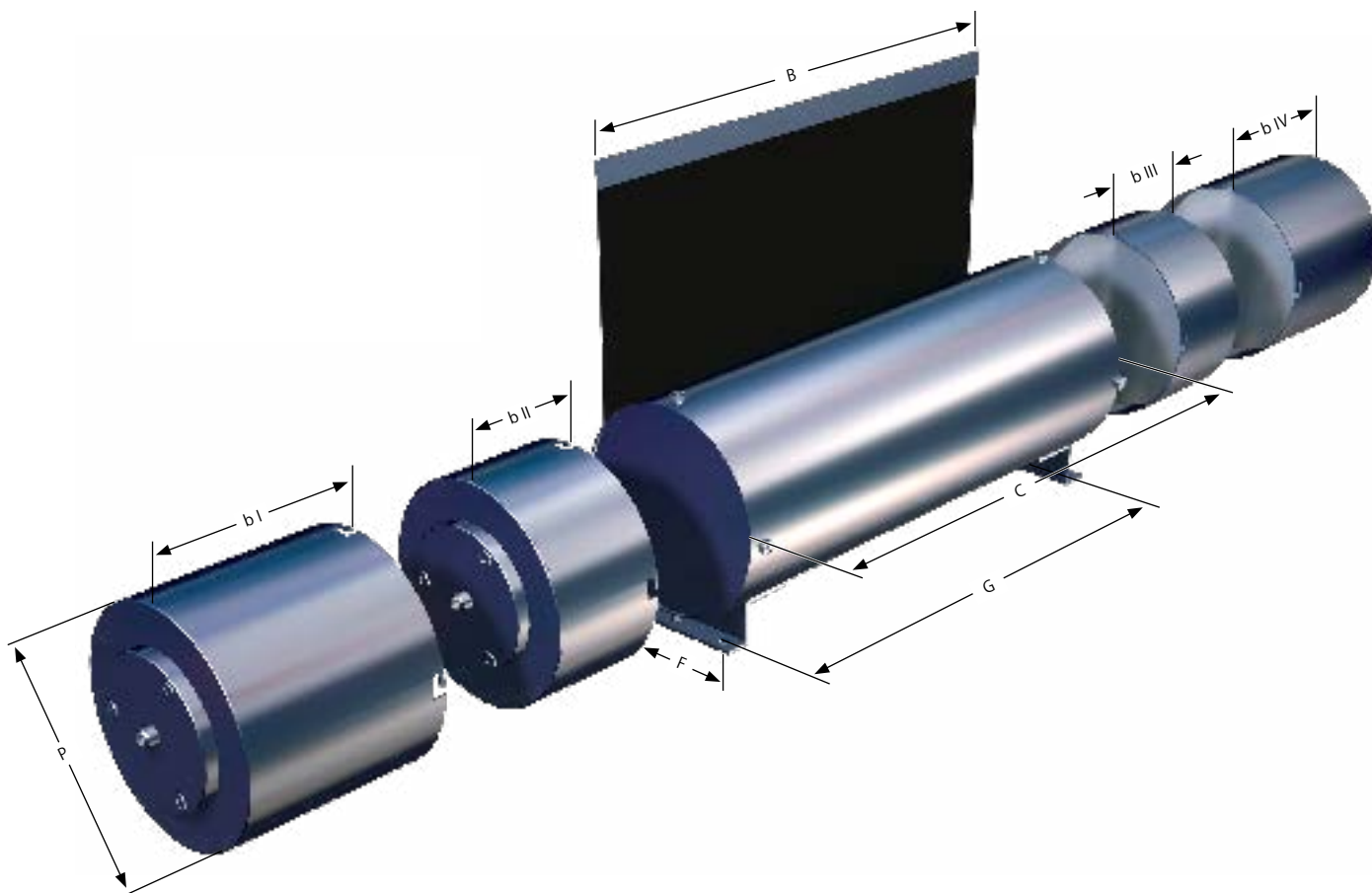
max stroke 4000mm

type	Spring Motor	p* (N)
R-4000 / A	I + IV	160
R-4000 / B	II + IV	120
R-4000 / C	I + III	120
R-4000 / D	II + III	80
R-4000 / E	IV	80
R-4000 / F	I	80
R-4000 / G	III	50
R-4000 / H	II	50

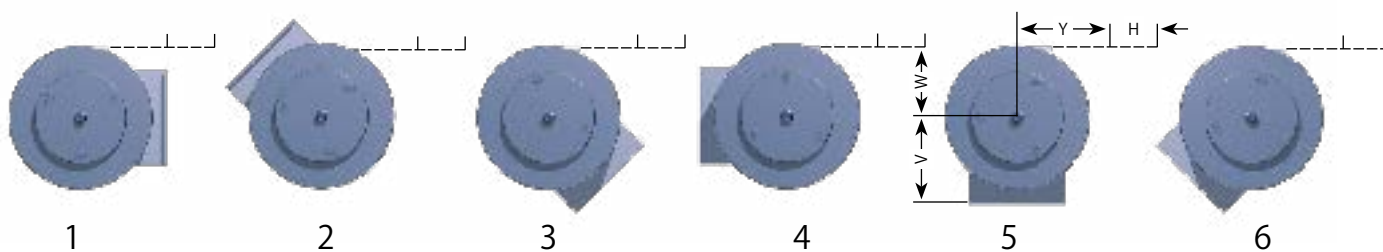
series R-6000

max stroke 6000mm

type	Spring Motor	p* (N)
R-6000 / A	I + IV	300
R-6000 / B	II + IV	230
R-6000 / C	I + III	230
R-6000 / D	II + III	140
R-6000 / E	IV	140
R-6000 / F	I	140
R-6000 / G	III	70
R-6000 / H	II	70



STANDARD MOUNTING OPTIONS



B* = Band width

bx = Width of spring motor

C = Hole pattern: at the band
(B + 66 mm)

d = Diameter of casing

F = Hole pattern

G = Width of casing:
(B + 54 mm)

H* = Stroke

P = Recoil force

V = Distance between shaft
center and bracket

W = Cover band outlet

Y* = Pre-travel

* to be indicated in the inquiry

mm								
type	b I	b II	b III	b IV	d	F	V	W
R-2000	98	59	59	98	110	55	75	47
R-4000	102	63	63	102	160	108	96	68
R-6000	112	68	68	112	190	134	106	81

WALK-ON ROLL-UP COVERS

materials & features

BECOME OSHA COMPLIANT WITH HENNIG, INC.

Our walk-on covers are engineered to protect open pits, exposed ways, linear guides, and tanks of all sizes. Regardless of the size of the area being protected, these covers will easily endure constant use and support the weight of heavy chip loads and personnel. Our covers are ideal for applications that require sturdy, load bearing protection.

typical applications

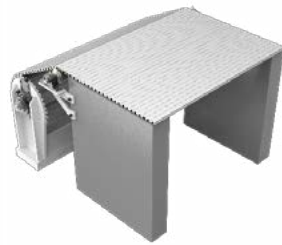
- Chemical tanks and other vessels to contain fumes and prevent injury
- Large machine tools with exposed ways and pits (often to allow access during service)
- Machine enclosures with large openings in the walls or floor

WALK-ON COVER MATERIALS *see page 3-4 for more details*



stainless steel

- Stainless surface with ribbed support
- Non-skid tape or paint
- Completely protects against chips, coolants, oils, and dust
- Max walk-on length determined by application



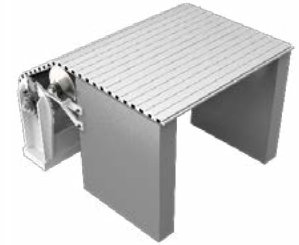
ags I

- Anodized aluminum profiles
- Non-skid tape
- Max walk-on length up to 1100 mm



ags II

- Anodized aluminum profiles
- Non-skid tape
- Max walk-on length up to 2500 mm

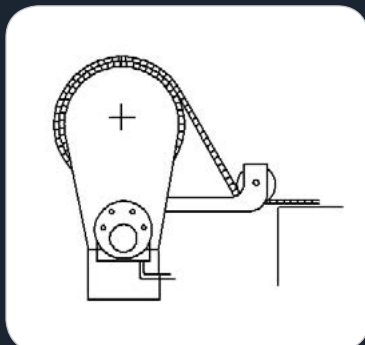


ags III

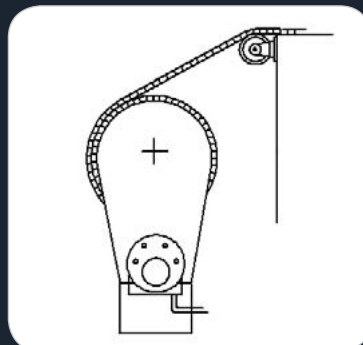
- Anodized aluminum profiles
- Non-skid tape
- Max walk-on length up to 1500 mm

WALK-ON COVER MOUNTING OPTIONS *All mounting options can be customized to suit your application.*

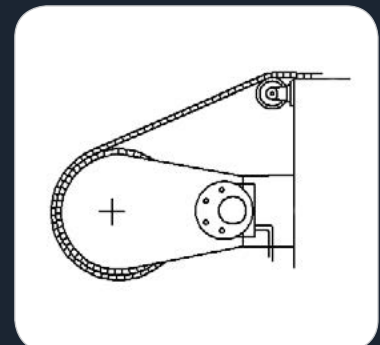
above way / outside pit



below way / inside pit



custom mounting



FEATURES

1

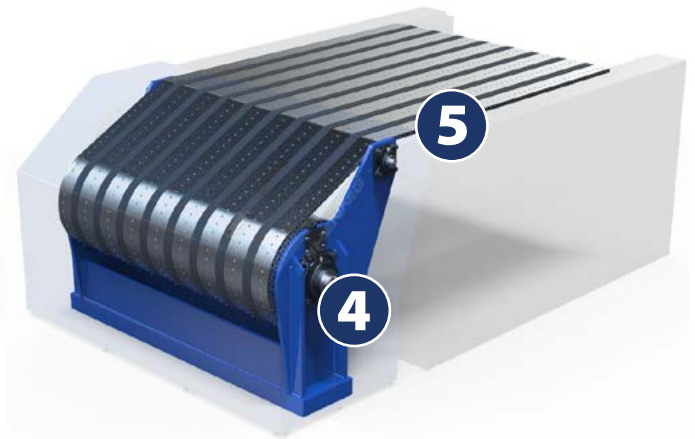
Protective cannister housings can be provided to add protection to the roll-up covers gearing, spindle, and wound-up cover areas.

2

A non-slip surface is added so that personnel may walk across the covers surface with greater safety than walking across the covers slippery stainless steel surface.

3

The stainless steel top surface is an extremely resilient feature of our walk on roll-up covers. The cover will never allow the penetration of contaminants nor will it rust or corrode because of contact with aggressive chemicals or other agents. Other materials are available, but they do not offer same level of protection as the stainless steel.



4

Most walk on roll-up covers are equipped with a constant torque air motor that regulates the amount of tension on the covers surface. The device ensures consistent tension over the covers entire surface, thus preventing unwanted binding of the covers surface. In special situations, HENNIG can also outfit the cover with a high tension steel spring roll-up device or an electric motor.

5

Walk-on roll up covers are supported by square extruded aluminum tubing. Besides being extremely strong, it is lightweight, and its square shape offers tremendous support. As an extruded aluminum, it has outstanding physical characteristics and will never rust or corrode with age.

service & repair

Occasionally, a roll up covers top surface may become damaged because of an accident. Fortunately, HENNIG's roll up covers are manufactured in sections and if an accident should occur, only the damaged section, and not the entire cover, need be replaced. Additionally, all seams between individual cover sections are securely sealed to prevent unwanted seepages of liquid, coolant, or oil.

See page 22 for Quote Request Worksheet

*We can concept, design, and manufacture walk-on covers specifically for your application.
Contact us for more information or to get a quote started.*

PIT COVERS

materials & features

Walkable and non-walkable pit covers designed based on your application.

- Widths up to 3 meters
- Extended lengths up to 20 meters
- Protective casings available
- Assembly ready
- Anti-slip strips (paint or tape) available
- Spring, air, or electric drive system

See page 22 for Quote Request Worksheet

TECHNICAL DETAILS

Load capacity in kg per 1000 mm length

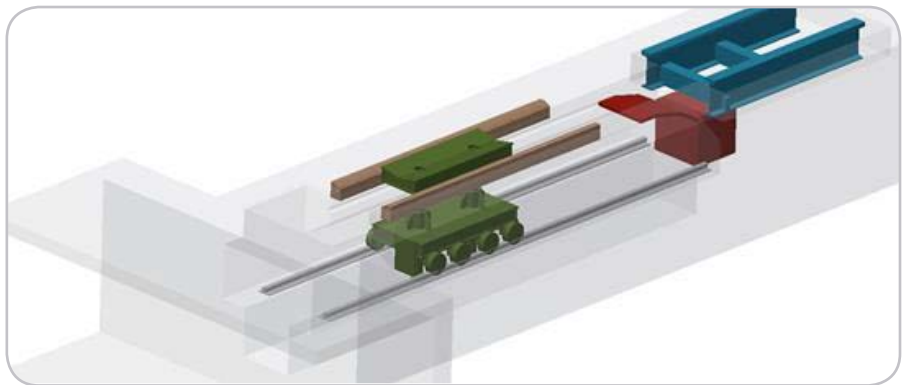
TYPE	SPAN (mm)				WEIGHT (kg/m ²)
	500	1000	1500	2000	
AGS I	1950	488	216	122	30.4
AGS II	4540	1147	504	284	31.9

Case size (approx.)

TYPE	EXTRACT (mm)				
	1000	3000	5000	10,000	20,000
AGS I	400	480	540	660	850
AGS II	500	600	680	850	1100

SAFETY STANDARDS

- Staff protection
- According to machinery directive
- CE-conformity
- OSHA compliant

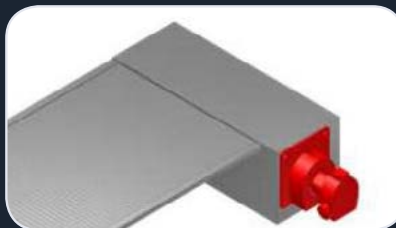


DRIVE SYSTEMS



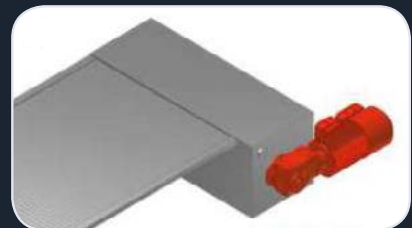
spring motor

- spring with an endless spring deflection
- constant torque
- no need of compressed air



air motor

- spring with an endless spring deflection
- constant torque
- works with compressed air

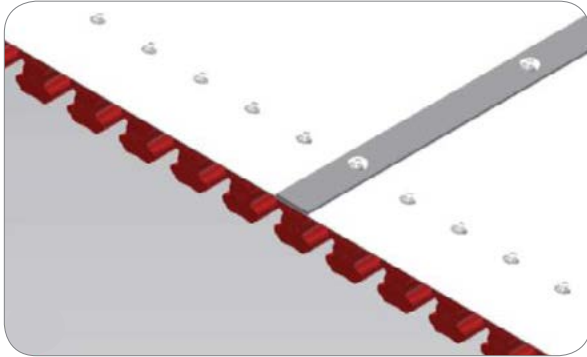


electric motor

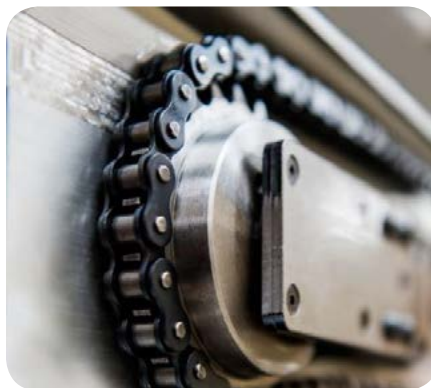
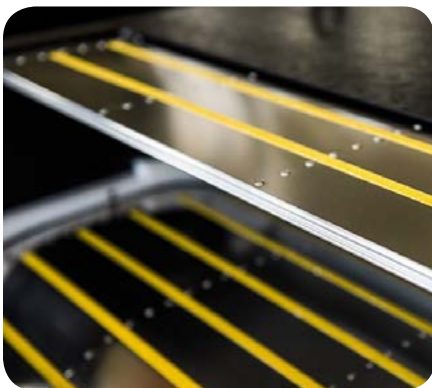
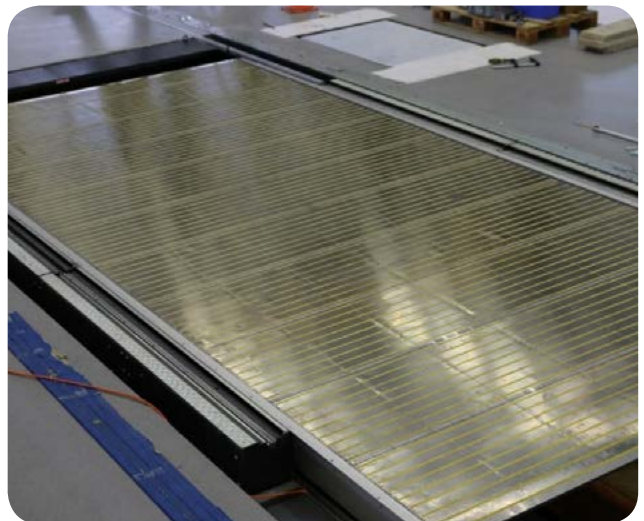
- for driving in and out

GUIDE SYSTEMS

end cap gliders



rollers



ROLL-UP COVERS QUOTE REQUEST

Please complete this form and email or fax to your desired location
(see pages 1-2 for contact info)

HENNIG

www.hennigworldwide.com

1 COMPANY (complete address)

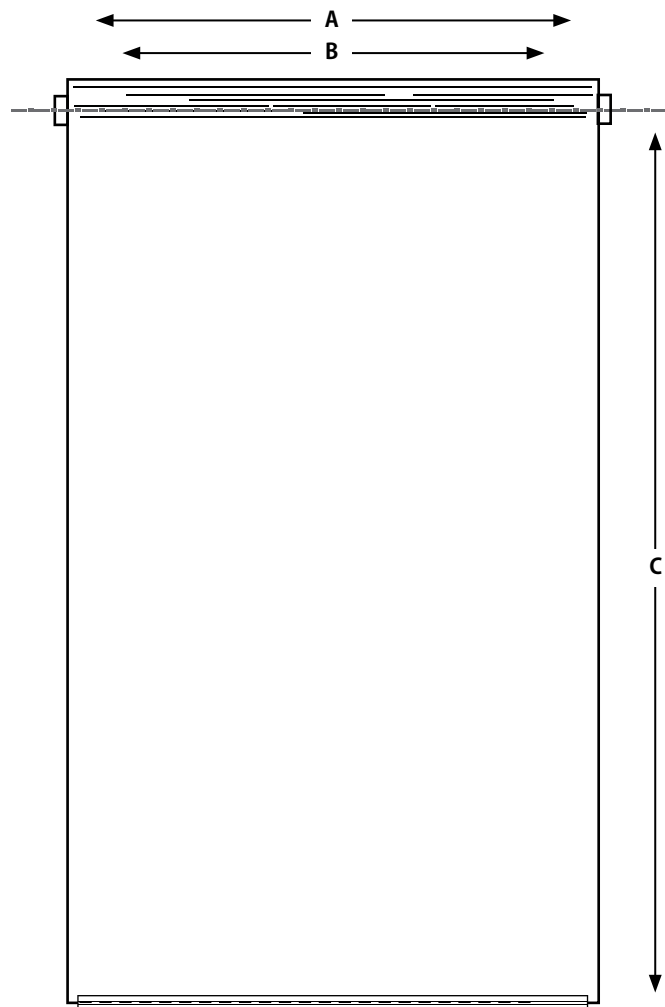
Name _____
Title _____
E-mail _____
Phone _____ Fax _____ Date ____/____/____

2 APPLICATION & ROLL-UP MATERIAL

Quantity _____
Machine Make _____
Machine Model _____ Year _____
Length of Machine Travel _____
Cover exposed to what kind of elements ☐ Coolant ☐ Chips ☐ Hot Chips ☐ Outdoor Elements ☐ Other _____
Apron Type ☐ Coated Fabric
☐ Extruded Aluminum (☐ Aluflex ☐ GS20 ☐ AGS mini ☐ AGS I ☐ AGS II ☐ AGS III)
☐ Stainless Steel
☐ Series 53 Metal Clad (☐ 53-1 ST/ST ☐ 53-1 ST/MS ☐ 53-1 MS/MS ☐ 53-2 AL/ST ☐ 53-4 ST/ST ☐ 53-4 ST/MS)

3 DIMENSIONS & MOUNTING

A Maximum width allowable with mounting brackets or cannister _____
B Cover Width _____
C Fully extended cover length _____
Include mounting brackets ☐ Yes ☐ No
Open reel ☐
Cannister ☐
Mounting Type (End 1) ☐ Normal ☐ Straight ☐ Angle ☐ Hinge



DO YOU NEED TECHNICAL HELP?

Do you have a question or a unique configuration?

Our customer service department is eager to help you.
Tell us about your needs and let the most experienced
engineers and technical support people in the industry
create the perfect solution.

WALK-ON/PIT COVERS QUOTE REQUEST

Please complete this form and email or fax to your desired location
(see pages 1-2 for contact info)

HENNIG

www.hennigworldwide.com

1 COMPANY (complete address)

Name _____
Title _____
E-mail _____
Phone _____ Fax _____ Date ____/____/____

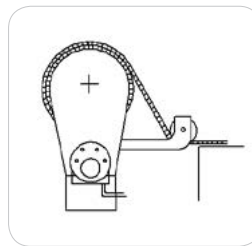
2 APPLICATION & ROLL-UP MATERIAL

Quantity _____
Machine Make _____
Machine Model _____ Year _____
Length of Machine Travel _____
Apron Type ☐ Extruded Aluminum (☐ AGS I ☐ AGS II ☐ AGS III) ☐ Stainless Steel
Include air filter, lubricator, and regulator ☐ Yes ☐ No
Non-slip surface ☐ Yes ☐ No

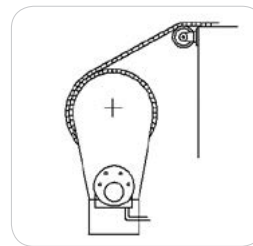
3 DIMENSIONS

A Unsupported span _____
B Width of area covered _____
C Cover Width _____
D Extended cover length _____
E Height (if applicable) _____
Side of take-up drive ☐ Left ☐ Right
Include mounting brackets ☐ Yes ☐ No
Open reel ☐
Cannister ☐

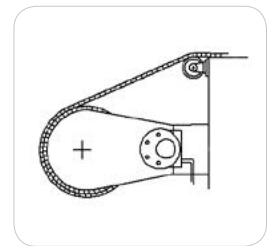
Mounting Type



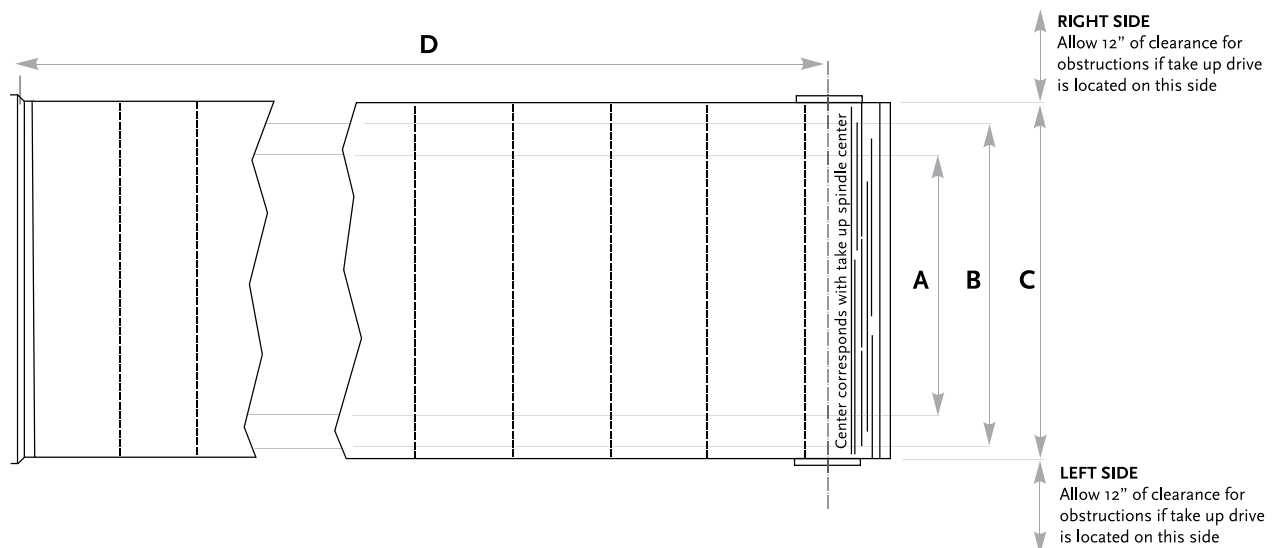
☐ Over way/cover surface



☐ Under way/cover surface



☐ Angular/Custom



SERVICE & REPAIR

scope of services

WE KNOW HOW EXPENSIVE DOWNTIME CAN BE

That's why we offer quick, responsive, service for the following products:

- Telescopic Steel Covers (see next page for details)
- Bellow Covers
- Aprons & Roll Ups
- Modular Face Shield Systems
- Wiper Systems
- Walk-On Pit Covers

We provide repairs and replacement parts for all the products we sell. With our experienced technicians, it doesn't matter who manufactured the original product, the end result absolutely must meet Hennig standards for quality and safety before we will consider it finished.

OUR SCOPE OF SERVICES:

- Preventative and Predictive Maintenance Training
- Way cover diagnostics and troubleshooting
- Extensive replacement spare parts inventory
- On-Site repairs of waycovers of any make on the market
- Logistics services for minimum downtime

SERVICE & REPAIR CENTERS WORLDWIDE

We have 17 service centers located throughout the world, enabling us to provide fast, localized service no matter where you are. Below is a snapshot of our service & repair locations.

For more details and contact info, see pages 1-2.



SERVICE & REPAIR

for telescopic steel covers

REPAIR & REFURBISHING SERVICES

At Hennig we service everything we sell. Our repair and refurbishment facilities are located in regions worldwide, so you get fast, localized service from experts who speak your language and deeply understand the systems you're using. We have the resources to keep your systems running - and running right - so you minimize downtime and get the greatest possible return from your machine investment.

services offered

- Repairs for all Hennig and non-Hennig way covers
- Same-day turn-around on diagnosis and repair estimates
- Reverse engineering of existing way covers
- Fast, local access to spare parts and supplies
- Customer training for in-house way cover repair
- Service and repair of Hennig Chip Conveyors
- Preventive maintenance service contracts available
- Service initiated within 48 hours in most locations
- On-site services available
- 90-day warranty on parts and labor

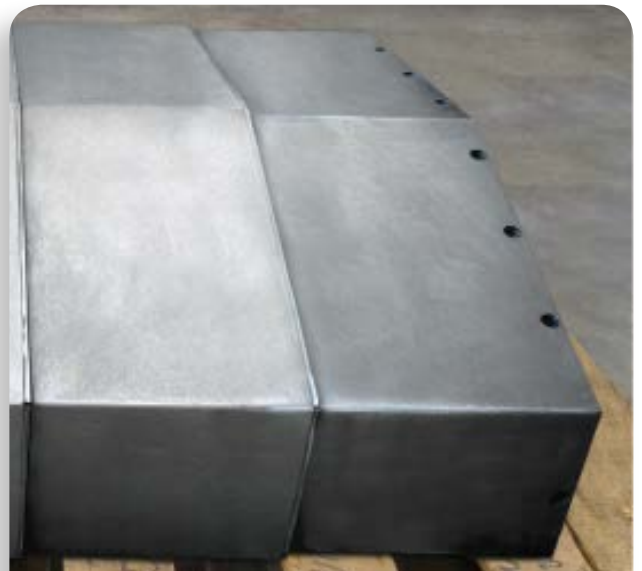
service. where you need it.

Hennig has way cover repair facilities located throughout the world to better serve our customers.

See pages 1-2 for a complete list of our repair facilities and contact information.



↑ Before Hennig Repair



↑ After Hennig Repair



www.hennigworldwide.com

For over 50 years, Hennig Worldwide has been defining Excellence in Machine Protection, creating regional jobs, serving their local communities, and supporting the global needs of machine tool customers.

Specializing in chip management, machine protection, and facility safety, Hennig products optimize production and keep your shop floor clean and safe.

MACHINE PROTECTION

Telescopic Steel Covers
Modular Face Shields (XYZ Shields)
Bellows
Aprons
Roll Up Covers
Walk-On/Pit Covers
Wiper Systems
Telescopic Springs
Cable Conduits

CHIP SOLUTIONS

Chip Conveyors
Chip Disc Filtration (CDF)
Coolant Tanks
Turnkey Chip Systems
Conveyor Networks

FACILITY SAFETY

Walk-On Pit Covers
Scissor Lift Bellows
Rooftop Systems
Platforms and Enclosures
Guarding and Fencing
Special Fabrications

See pages 1-2 for contact information