

data sheet

Product Description

As an alternative to traditional round hole perforations, Au·diSlot features 'slot' type perforations in either Plywood or MDF substrates, with a complementing selection of decorative surface finishes.

Au·diSlot is available with our optional Integrated Acoustic Backing (IAC) and is produced in a standard range of slotting patterns to suit most acoustical and visual requirements. Additionally, Au·diSlot is suitable for use in many internal ventilation applications.

Product Features

- Standard range of pre-finished timbergrain and decorative surfaces, refer to Au·diImage, Section 12
- Large range of perforation patterns
- Higher impact resistance achieved with plywood panels
- Veneers can be nominated to co-ordinate with other timber building elements or finishes

Variations

- Choice of plywood or MDF substrates
- Optional face veneer to your specifications
- Edge profiling and face detailing of panels available to your specifications
- Range of standard perforation patterns or custom patterns, consult Atkar Technical Staff
- Integrated Acoustic Backing (IAB)

Joining Options

- Vee Joint
- Exposed joint (Where exposed joints are selected, allowance should be made for dressing of panel edges)
- Cover Mould

Material Sizes

AudiSlot is available uncoated or pre-finished in our select range of decorative surface finishes in standard sizes shown to the right. For non-standard sizes or panels over 2400mm in length, consult Atkar Technical Staff.

If natural timber veneers are required, please check current availability.

MDF Sizes

	6.0mm	9.0mm	12.0mm	16.0mm	18.0mm
2400 x 1200mm	•	•	•	•	•
1800 x 1200mm		•	•	•	•
2400 x 900mm		•	•	•	•
1800 x 900mm		•	•	•	•

Plywood Sizes

Some grades – imperial sizes only

	6.0mm	9.0mm	12.0mm	16.0mm	18.0mm
2400 x 1200mm	•	•	•	•	•
1800 x 1200mm	•	•	○	○	•
2400 x 900mm	○	○	○	○	○
1800 x 900mm	•	•	○	○	•

• Ex-stock sizes

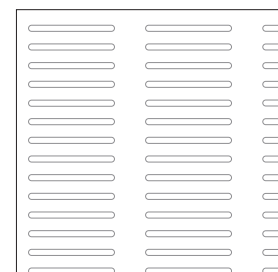
○ Manufactured to order, lead times and minimum quantities apply.

Perforation Patterns

Two standard perforation designs are available. AS11, having 8 rows of short slots per 1200mm wide panel and AS26, having 4 rows of longer slots per 1200mm wide panel. Both designs are available in a selection of slot widths as detailed on Data Sheet 4.2 Open Area Guide.

Insert slot width code at end of Product Type. Example product type AS11-25/63, is Au·diSlot type AS11-25 with 6.35mm wide slots.

Product Type AS11



Refer to Au·diSlot Data Sheet 4.2 for Complete Panel Diagrams and 4.5 – 4.23 for Full Scale Pattern Illustrations.

Product Type AS26



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Margin Options

Standard margins are as detailed on Au-diSlot Full Scale Pattern Illustrations, refer to Au-diSlot Data Sheet 4.5 – 4.23.

Margins may be varied to suit individual requirements, please consult Atkar Technical Staff

Complete Panel Diagrams

Illustrated below are scaled versions of a 1800 x 1200mm panel showing the effect of a full panel of each slotting pattern. All patterns are available in a variety of slot widths, refer to Au-diSlot Data Sheet 4.1 and Au-diSlot Data Sheets 4.5 – 4.23 for Full Scale Pattern Illustrations.

Open Area Guide

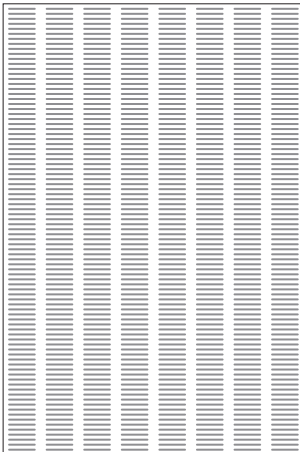
Product Type AS 11

Slot Width		Type AS11-20	Type AS11-25	Type AS11-40	Type AS11-50
mm	Code				
4.75	47	16.9%			
6.35	63		18.0%	11.1%	
8.0	80	28.4%	22.6%	14.0%	11.1%
12.7	127			21.9%	17.4%

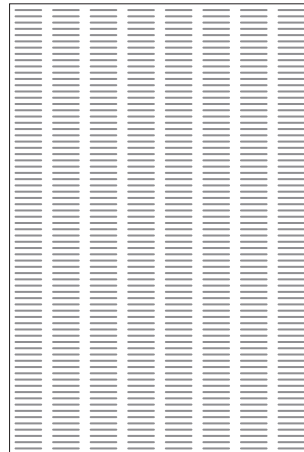
Product Type AS 26

Slot Width		Type AS26-20	Type AS26-25	Type AS26-40	Type AS26-50
mm	Code				
4.75	47	20.2%		9.9%	
6.35	63		21.4%	13.2%	
8.0	80	33.9%	27.0%	16.6%	13.2%
12.7	127			26.3%	20.9%

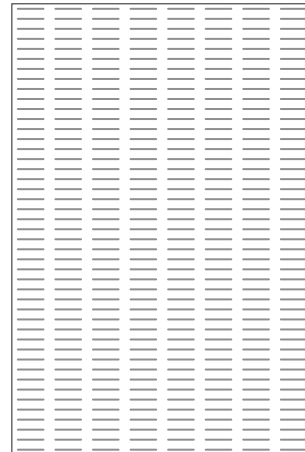
Product type AS11-20/(insert code)



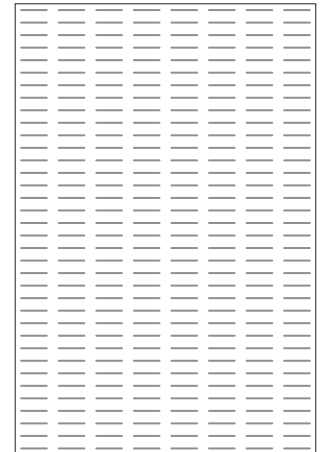
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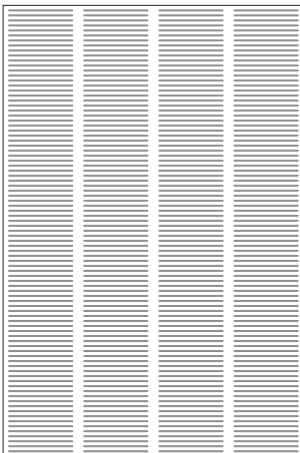
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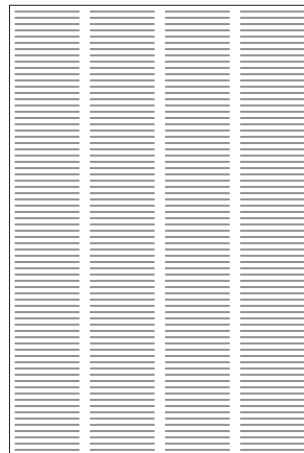
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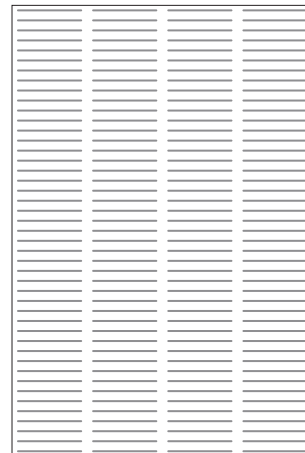
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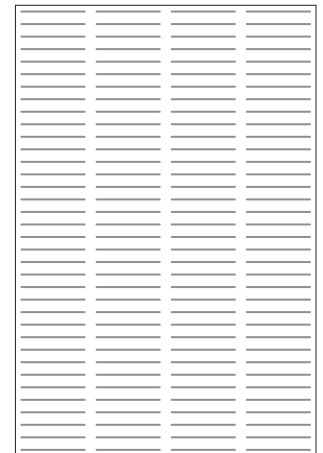
Product type AS26-25/(insert code)



Product type AS26-40/(insert code)



Product type AS26-50/(insert code)




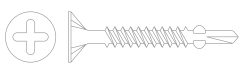
4.3

Installation Details

The table to the right provides a fixing guide for general, residential and commercial applications.

Consideration should be given to reduced framing centres for higher impact areas such as corridors and crowded spaces, or where surfaces are to be curved.

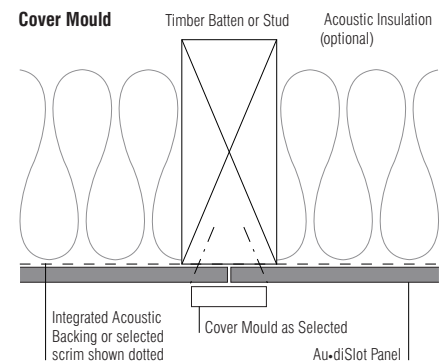
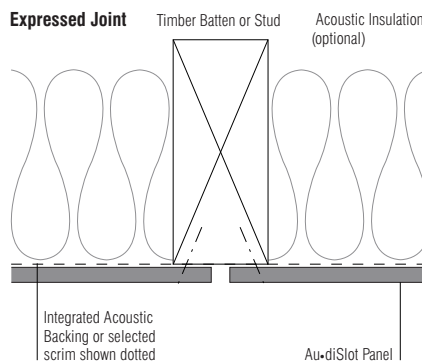
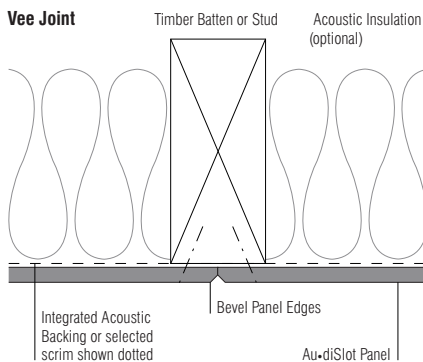
Au·diSlot wall panels are to be installed with a full perimeter support and ceiling panels must have the face grain running at right angles to framing members or battens. If panels are to be face fixed, timber framing members are recommended to enable more discrete fixings to be used. To minimise the risk of buckling, it is recommended that the panels be allowed to acclimatise in the area in which they are to be installed. This is best achieved by standing the individual panels loosely around the room and allowing air to freely circulate around them for several days prior to fixing. Allowance should be made between panels to accommodate swelling and building movement.

Material Thickness (mm)	Maximum Framing Centres (mm)	Fastener Centres Perimeter (mm)	Fastener Centres Intermediate (mm)	Expansion Joints Required	Fastener Type (Both are suitable for MDF and Ply applications)
MDF		Walls and Ceilings		No	Timber Flat head nail, example 40 x 2.0mm panel pin 
9.0	450	200	300		
12.0 – 18.0	600	200	300		
Other *					
Ply		Walls		No	Steel 0.6 – 1.2mm HD 8/22, 8/30, 8/40 depending on panel thickness 
6.0	450	150	200		
		Ceilings			
6.0	600	150	200		
		Walls and Ceilings			
9.0 – 12.0	600	200	300		
16.0 – 25.0	600	300	400		

General fixing guide only, for interior applications, consult Atkar Technical Staff for full details.

* For other thicknesses consult Atkar Technical Staff.

Jointing Details



Attention – The method of fixing indicated for this product is of a general nature only and does not allow for specific design criteria such as wind loads, expansion joints or any other special design requirements which should be separately provided for by the specifier.

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The following Draft Specification contains sections of italicised text where the specifiers input is required.

Text identified with an asterisk* requires the non-applicable wording to be struck out or deleted. Text containing '.....' requires the specified information to be inserted.

1.0 General

1.1 Scope

Materials listed below to be supplied and installed to all areas detailed on drawings, or otherwise quantified.

1.2 Qualifications

Installation shall comply with the relevant building codes using approved fixings and the work executed by competent tradesmen.

1.3 Storage of Materials

All materials delivered to site shall be stored flat in an enclosed shelter, providing protection from damage and exposure to the elements. Damaged or deteriorated material shall be immediately removed from site.

2.0 Product

Important: Where acoustic performance is required, add 'IAB' after product type in clause 2.1 and include paragraph 2.2 in project specification.

2.1 Panels

Ceiling/wall* panels shall be Au·diSlot type(insert code) IAB* slottedmm thick MDF/plywood* by Atkar, telephone 03 9796 3333, with amm clear border to the perimeter.

Slot orientation to be

- a) **Standard** (slots running parallel with short side of panel)
- b) **Reversed** (slots running parallel with long side of panel)

Panels shall be

- a) *Prefinished with Atkar Au·dilmage.....(design) decorative surface finish and(style) edge with(design) finish.
- b) *Veneered with(type veneer) laminated to the exposed face/face and edges* of the panel and prefinished with(type of coating).
- c) *Site painted as nominated in finishes schedule.

2.2 Acoustic Treatment

1/. IAB (Integrated Acoustic Backing)

Panels shall be supplied with Atkar Integrated Acoustic Backing (IAB) and conform to Acoustic Test Report No. AO3RMST1.

2/. Insulation - Optional

(Insert details of additional bulk insulation here, if required)

3.0 Execution

Alternative 1 (Concealed fixed walls with expressed joints)
Wall panels are to be mounted using the Au·diMount XJ1 system. Expressed joint component AXV09/AXH06 to be finished with Au·dilmage(design) decorative surface to match/contrast with the panel finish. Expressed joints to bemm wide.

Alternative 2. (Concealed fixed walls)

Wall panels to be mounted using the ATKAR concealed fix system BJ2.

Alternative 3. (Exposed Fixings)

Wall studs/battens/furring channels shall be installed atmm centres and allow for full perimeter support of all wall panels. Panels to be fixed withtype of fastener atmm centres around perimeter of panel and atmm centres within the body of the panel. Panels shall be - installed with a nominal perimeter clearance and(type and size) cover strap over all joints/with amm size expressed joint to all sides/vee jointed and butted together.

Alternative 4. (Exposed fixed walls and ceilings)

Wall studs/battens/furring channels* shall be installed atmm centres and allow for full perimeter support of all wall panels. Ceiling panels must be installed with face grain at right angles to framing members and all panels to be acclimatised according to manufacturer's recommendation prior to installation. Panels to be fixed withtype of fastener atmm centres around perimeter of panel and atmm centres within the body of the panel.

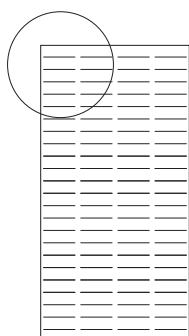
4.0 Completion

Upon completion of the installation, check that all panels and cover moulds (if applicable) are securely fastened to their framing members and all fixings are properly installed and finished.

full scale pattern illustration

4.5

product type AS11-20/47
open area 16.9%



Refer to Au•diSlot Data Sheets for product options.

This pattern illustration is representative only of an Au•diSlot panel and is not intended to indicate surface finish. Specific data regarding these details is available on request.

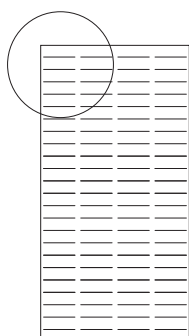
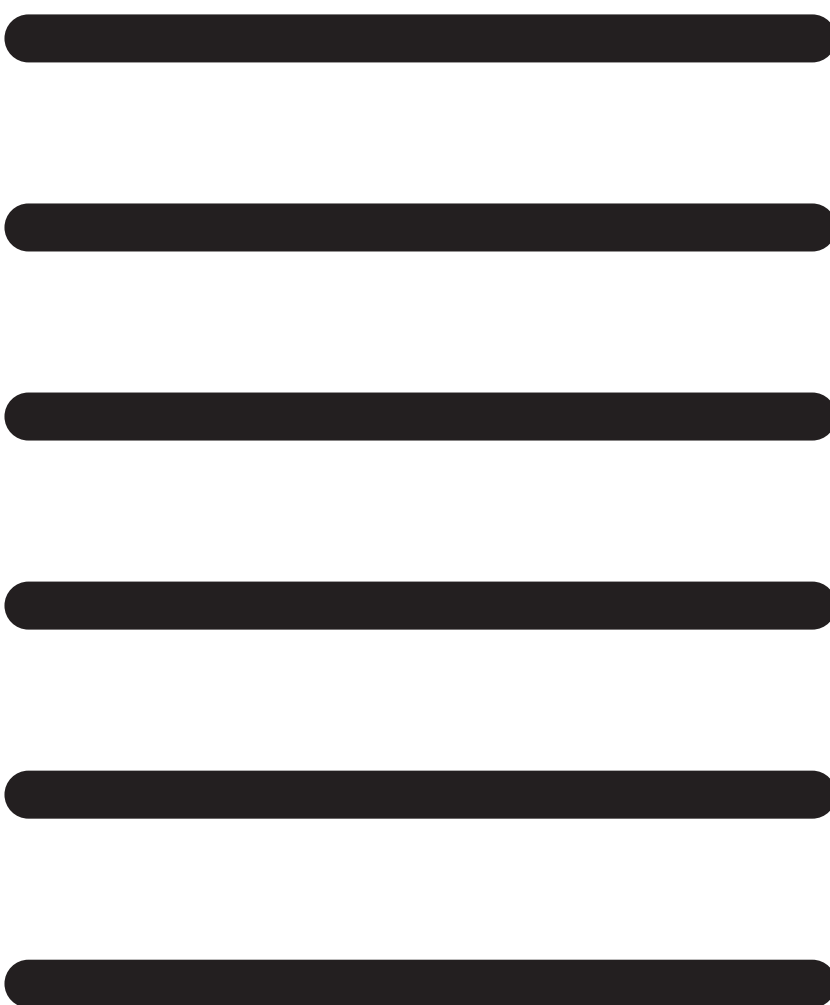
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full scale pattern illustration

4.6

product type AS11-25/63
open area 18.0%



Refer to Au•diSlot Data Sheets for product options.

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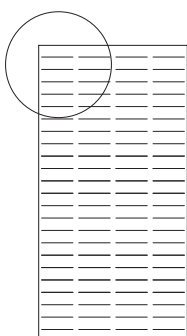
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full scale pattern illustration

4.7

product type AS11-40/63
open area 11.1%



Refer to Au•diSlot Data Sheets for product options.

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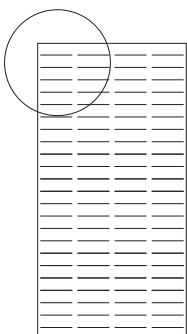
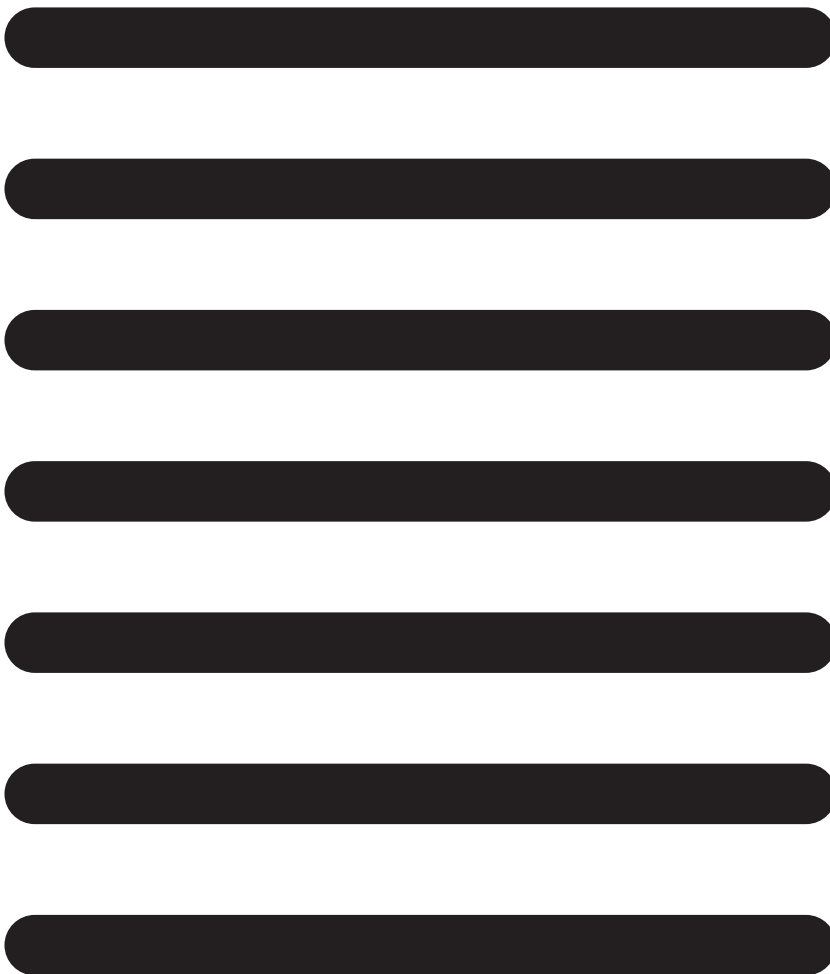
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full scale pattern illustration

4.8

product type AS11-20/80
open area 28.4%



Refer to Au•diSlot Data Sheets for product options.

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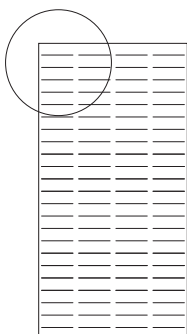
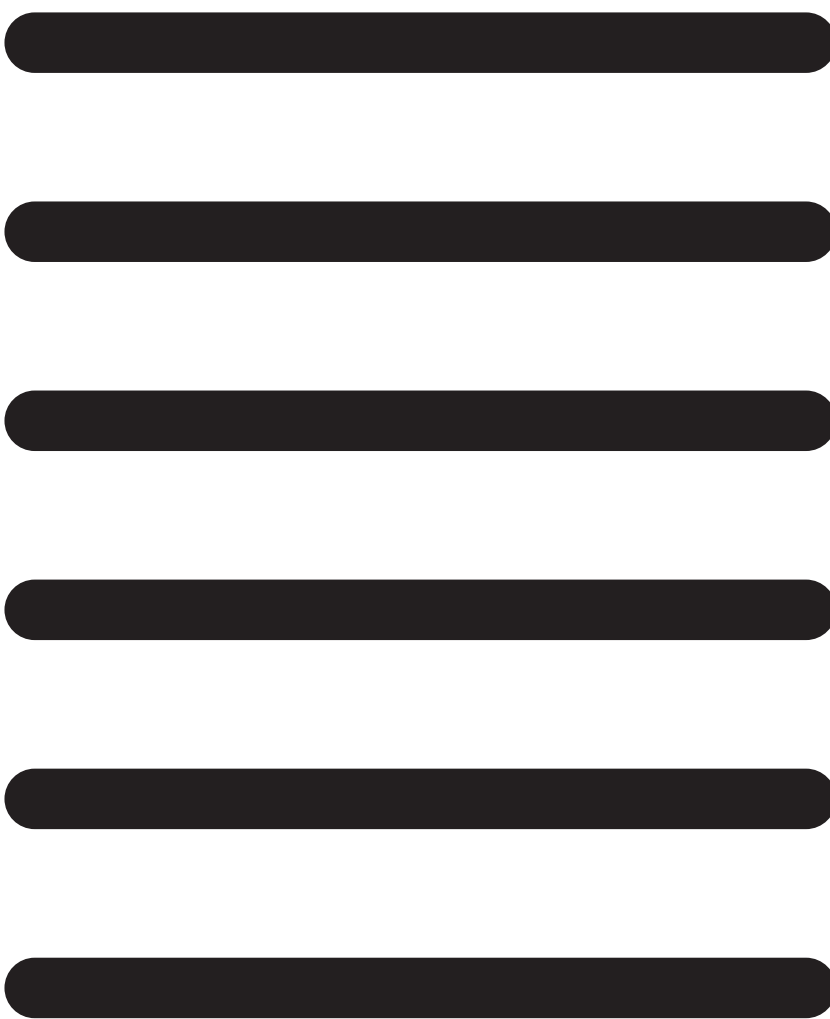
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full scale pattern illustration

4.9

product type AS11-25/80
open area 22.6%



Refer to Au•diSlot Data Sheets for product options.

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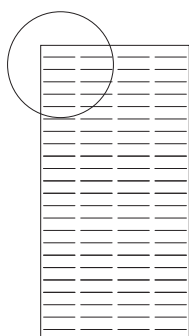
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full scale pattern illustration

4.10

product type AS11-40/80
open area 14.0%



Refer to Au•diSlot Data Sheets for product options.

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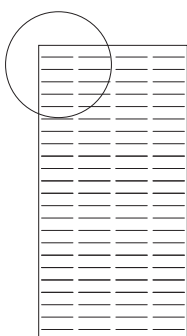
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full scale pattern illustration

4.11

product type AS11-50/80
open area 11.1%



Refer to Au•diSlot Data Sheets for product options.

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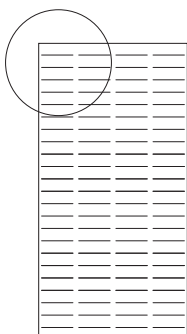
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full scale pattern illustration

4.12

product type AS11-40/127
open area 21.9%



Refer to Au•diSlot Data Sheets for product options.

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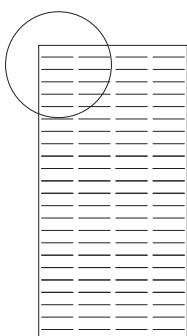
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full scale pattern illustration

4.13

product type AS11-50/127
open area 17.4%



Refer to Au•diSlot Data Sheets for product options.

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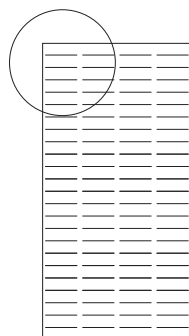


full scale pattern illustration



4.14

product type AS26-20/47
open area 20.2%



Refer to Au•diSlot Data Sheets for product options.

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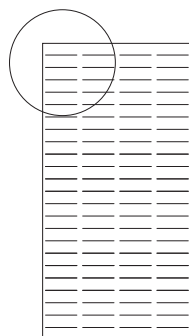
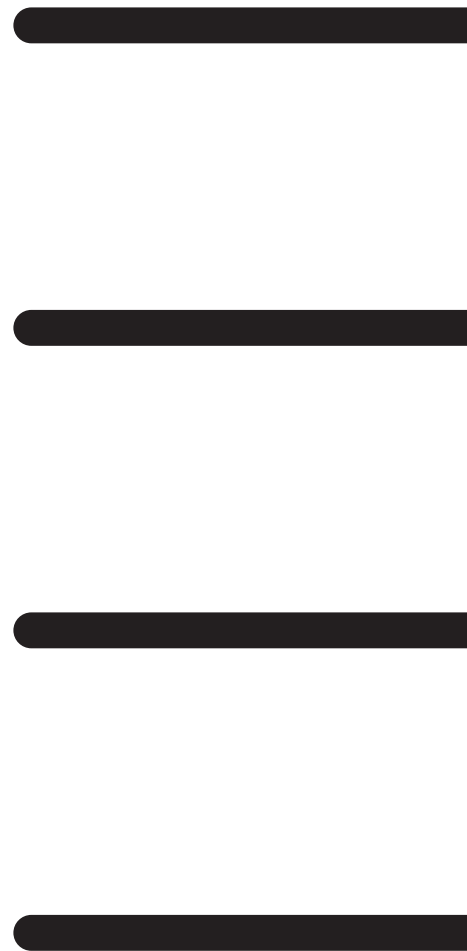


full scale pattern illustration



4.15

product type AS26-40/47
open area 9.9%



Refer to Au•diSlot Data Sheets for product options.

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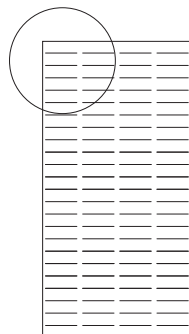


full scale pattern illustration



4.16

product type AS26-25/63
open area 21.4%



Refer to Au•diSlot Data Sheets for product options.

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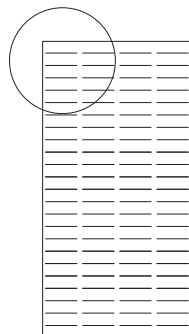


full scale pattern illustration



4.17

product type AS26-40/63
open area 13.2%



Refer to Au•diSlot Data Sheets for product options.

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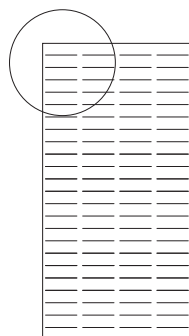
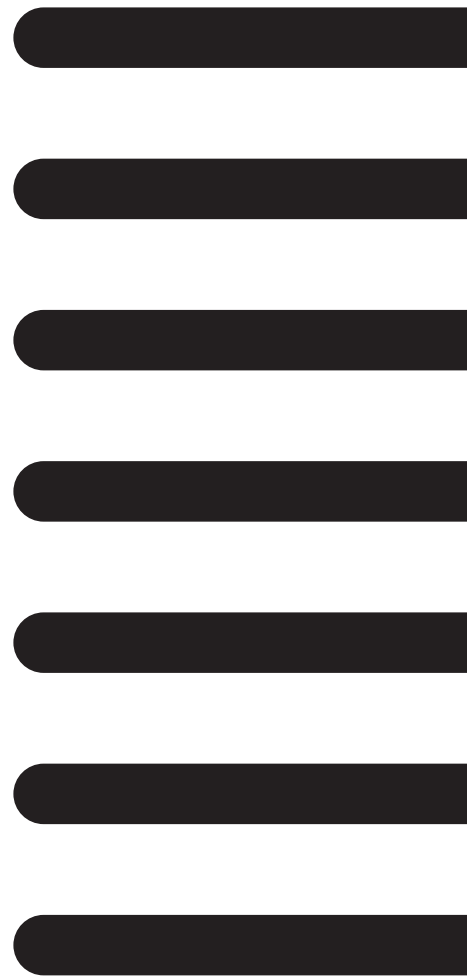
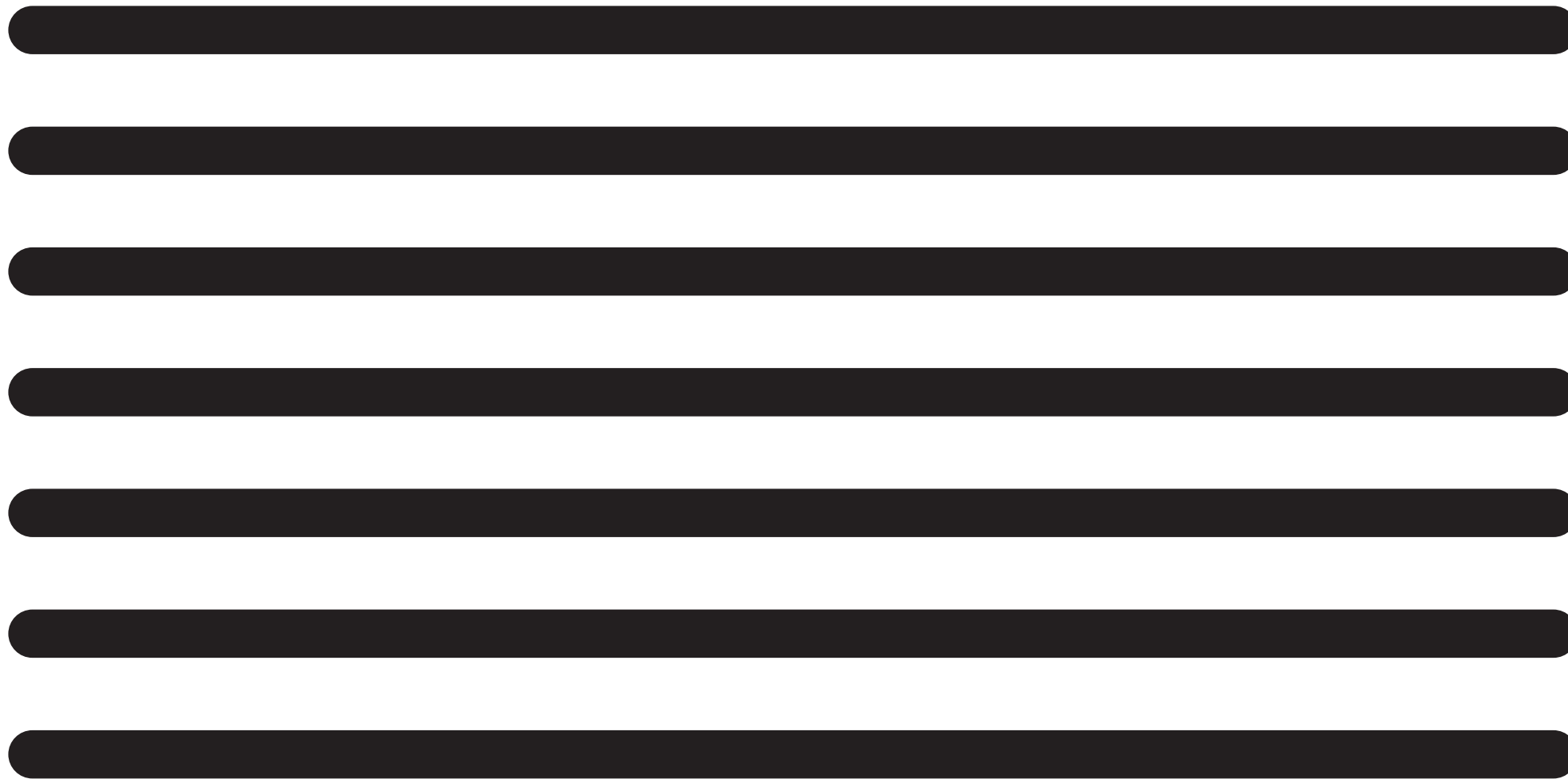


full scale pattern illustration



4.18

product type AS26-20/80
open area 33.9%



Refer to Au-diSlot Data Sheets for product options.

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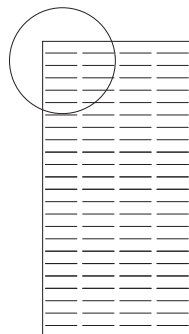
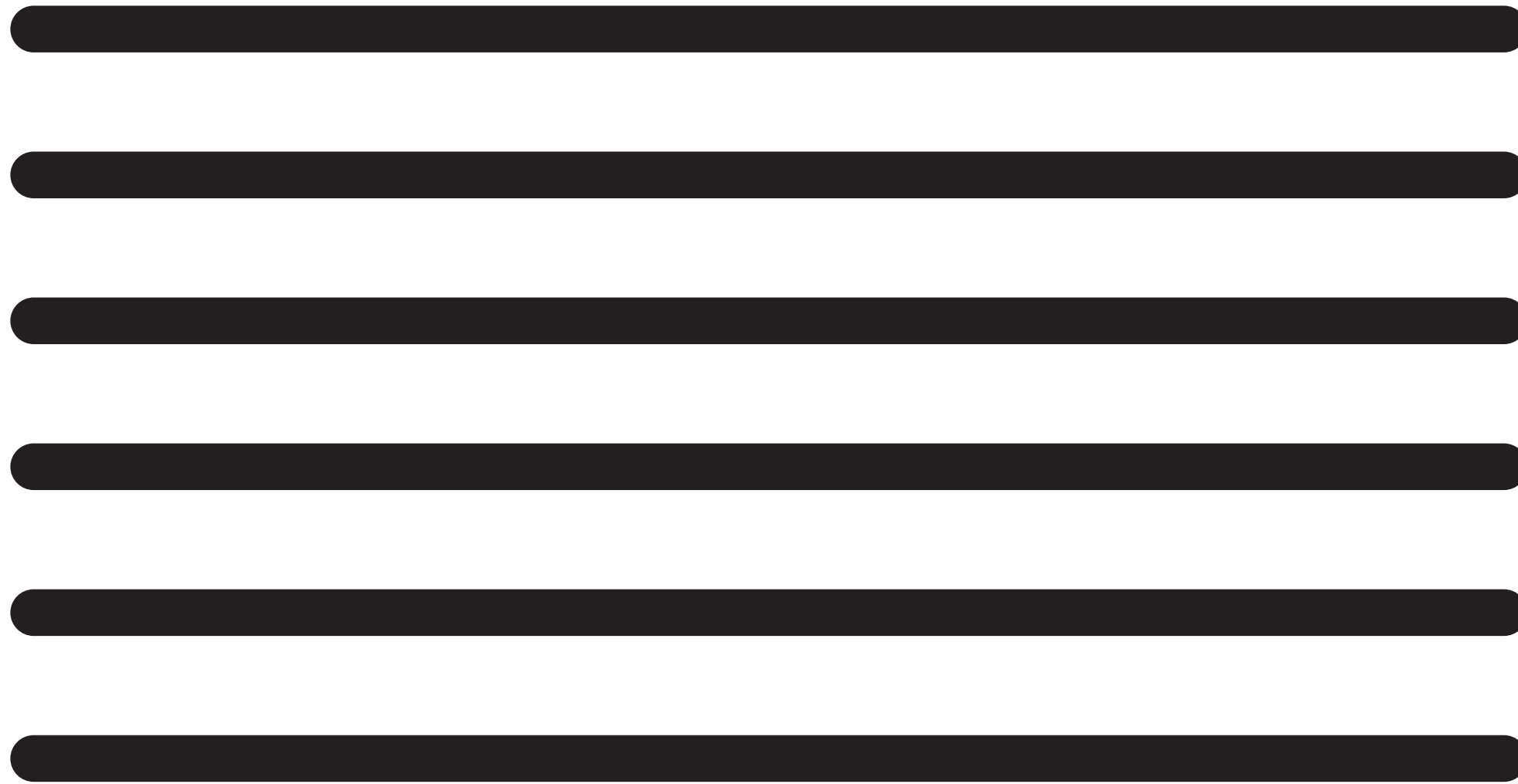


full scale pattern illustration



4.19

product type AS26-25/80
open area 27.0%



Refer to Au•diSlot Data Sheets for product options.

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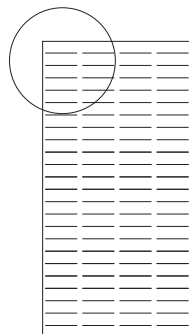


full scale pattern illustration



4.20

product type AS26-40/80
open area 16.6%



Refer to Au-diSlot Data Sheets for product options.

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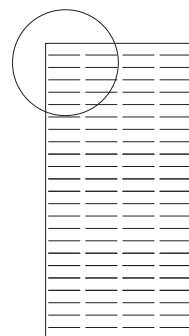


full scale pattern illustration



4.21

product type AS26-50/80
open area 13.2%



Refer to Au-diSlot Data Sheets for product options.

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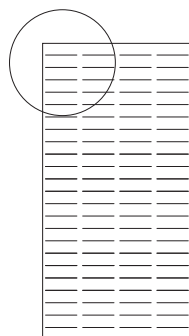
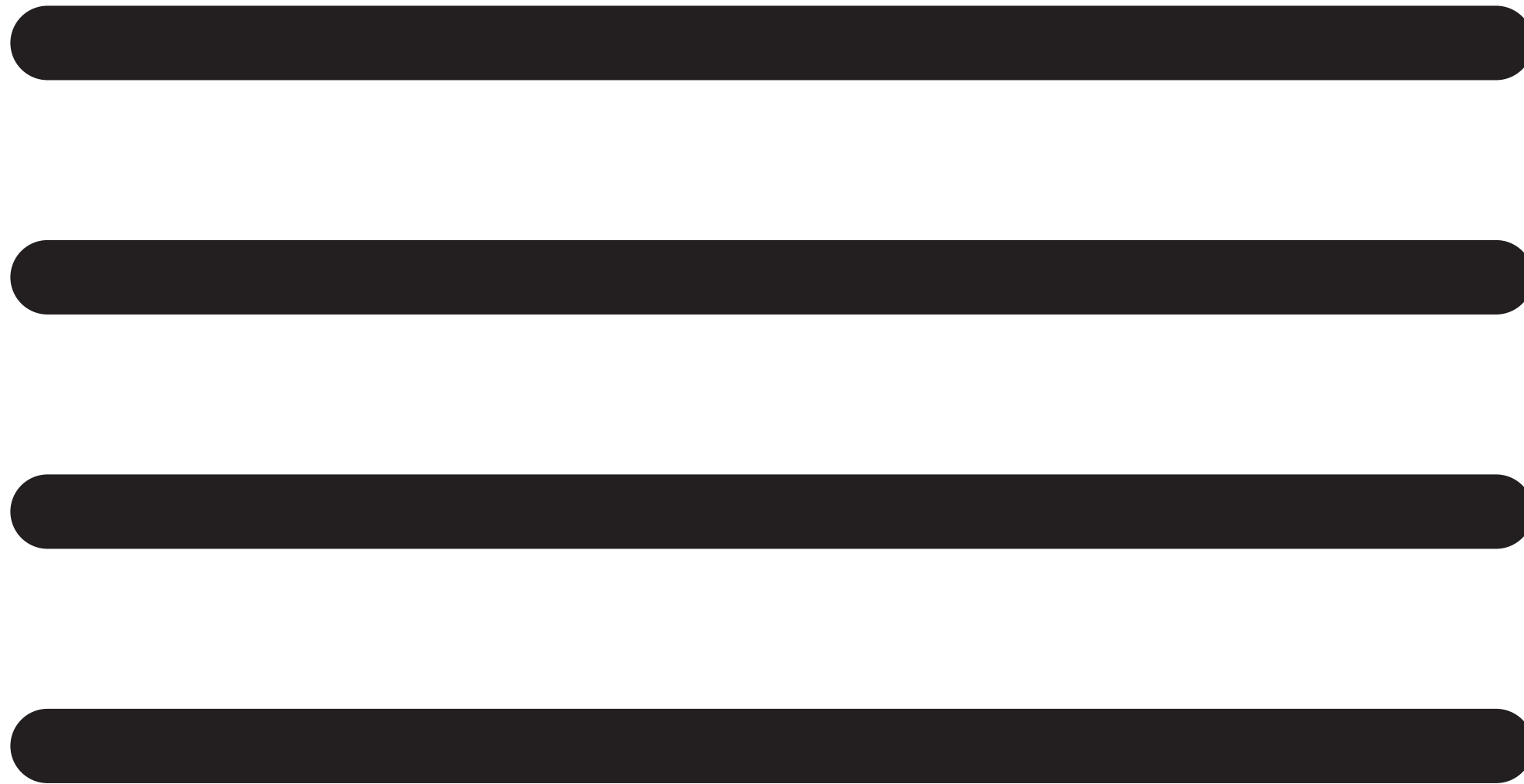


full scale pattern illustration



4.22

product type AS26-40/127
open area 26.3%



Refer to Au•diSlot Data Sheets for product options.

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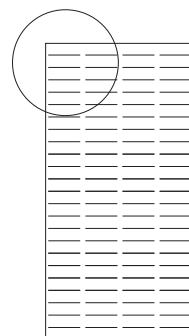


full scale pattern illustration



4.23

product type AS26-50/127
open area 20.9%



Refer to Au•diSlot Data Sheets for product options.

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