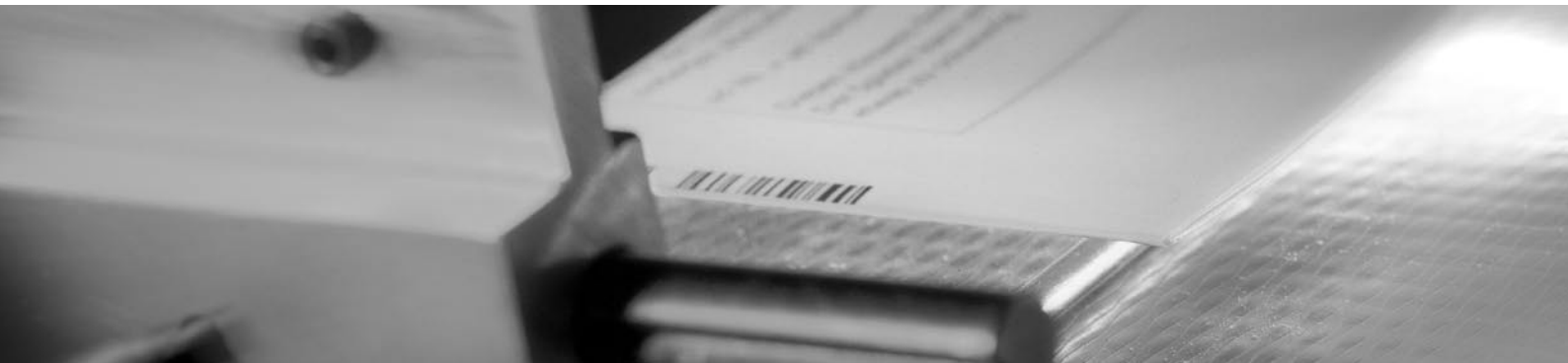


Asir 3 for Perfect Binding

Technical Data



Sensor 	Dimensions L x W x H	103 x 63 x 37.5 mm (4" x 2 1/2" x 1 17/32")
	Operating Speed	Up to 30,000 copies/hr (3.5 m/s)
	Image dimensions, 2-D camera	VGA 640 x 480 pixels
	Image resolution	0.12 mm pixels
	Connections	Asir network (opto interface) Machine control (SUB-D 9-pole)
	Lighting of printed signature	Integrated LED flasher

Operating modes	Image comparison mode	3 different adjustment options – Lowest waste rate – Standard – Greatest reliability for incorrect signature recognition
	Bar code Mode	Bar code length: 22.5–27.5 mm ($27/32'' - 15/64''$), optimal 25 mm (1"). Bar code height (for sensor): at least 2 mm ($1/16''$) Bar code repetitions: Recommended 3x (rest area 5 mm [$3/16''$]) Bar code must lie perpendicular to the direction of transport (feeder) (+/-10 degrees) in the trim area of the signature
	Readable codings (from AsirCom V3.4x)	AsirCode on base code 128C (EN799, 6-place decimal number) AsirCode on base code 2/5 interleaved (5-place decimal number) Barcode 128C (EN799, 2- to 8-place decimal number) Code 2/5 interleaved (1- to 7-place decimal number) (Code 128C exhibits greater reliability than code 2/5 interleaved)
Signature positioning tolerance	in transport direction	+/- 15 mm ($5/8''$) (with edge compensation)
	lateral (image comparison)	+/- 10 mm ($3/8''$)
Software (Windows compatible)	AsirCom ACG (optional bar code generation software)	

3695 Gathering Machine

Asir Sensor Position

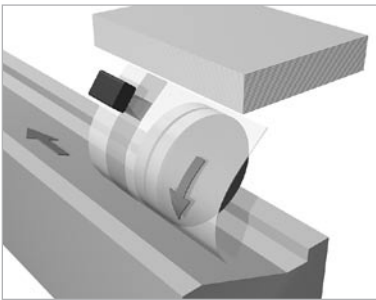
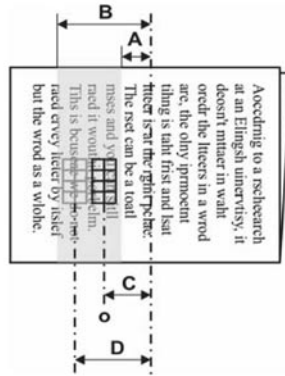


Image Comparison



Scanning range offset range

Optical axis sensor

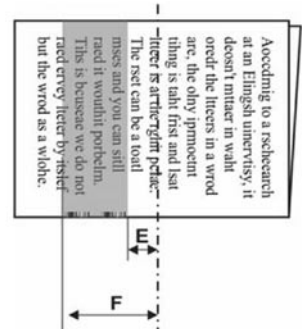
A = 31 mm (1⁹/₃₂" **C = 61 mm (2¹⁵/₃₂"**)

Standard position

B = 131 mm (5³/₃₂") **D = 101 mm (2⁹/₃₂"**)

Minimum signature spine length for inspection in image comparison = 175 mm (6⁷/₈"

Bar Code Recognition



Scanning range

E = 31 mm (1⁹/₃₂")

F = 131 mm (5³/₃₂")

Minimum signature spine length for inspection in Bar code mode = 165 mm (6¹/₂"

3681 Gathering Machine

Asir Sensor Position

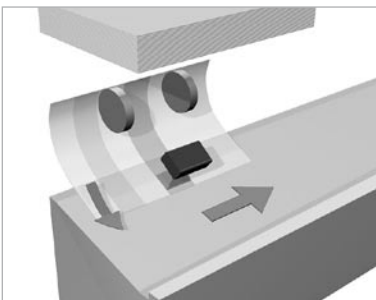
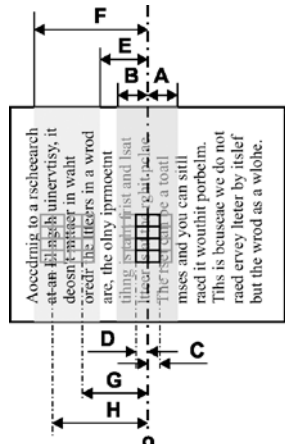


Image Comparison



Scanning range offset range

Optical axis sensor

A = 50 mm (2") **C = 20 mm (3/4")**

B = 50 mm (2") **D = 20 mm (3/4")**

(Standard)

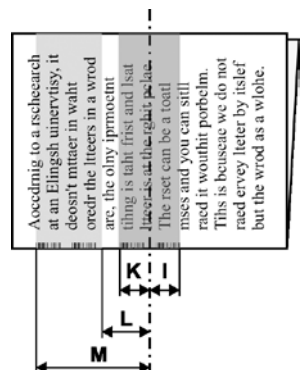
or

E = 80 mm (3¹/₈") **G = 110 mm (4⁵/₁₆"**)

F = 180 mm (7¹/₁₆") **H = 150 mm (5⁷/₈"**)

Minimum signature spine length
GATH 3681 = 140 mm (5¹/₂"

Bar Code Recognition



Scanning range

I = 50 mm (2")

K = 50 mm (2")

or

L = 80 mm (3¹/₈")

M = 180 mm (7¹/₁₆")

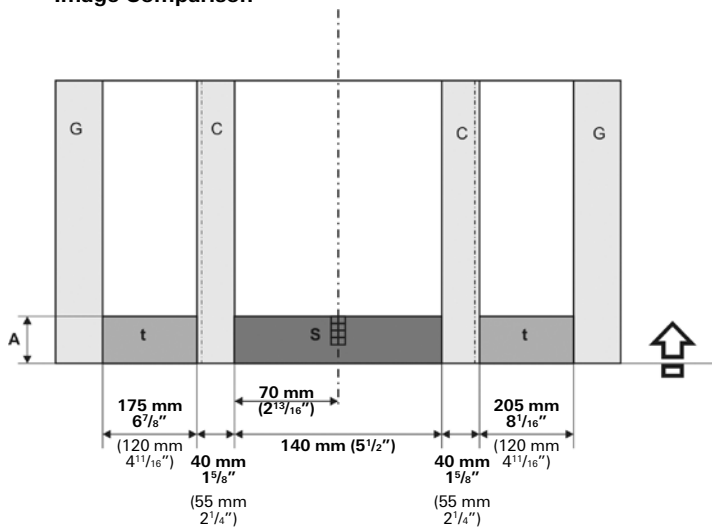
Asir 3 scanning ranges on cover feeders for perfect binders

Acoro, Bolero and Corona

with drum, shingle or wide drum cover feeder

The Asir-3 sensor scans on the **outside** of the cover, in area A, which is pushed by the transport fingers.

Image Comparison



Standard setting for dimension A:

60 mm to 80 mm (2 7/16" to 3 1/8")

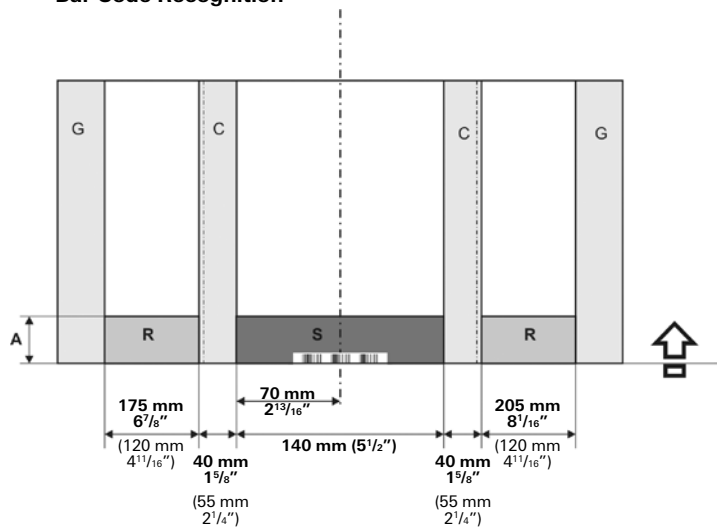
(. . .) = specific dimension for wide drum cover feeder

s = standard range

t = offset range

⇧ = Travel direction of the cover

Bar Code Recognition



Impression of coding 2x to 3x in trim area.

Standard setting for dimension A:

60 mm to 80 mm (2 7/16" to 3 1/8")

(. . .) = specific dimension for wide drum cover feeder

S = standard range

R = offset range

⇧ = Travel direction of the cover

Reading ranges in other gathering machines and for small format upon request.
Dimension, design and configuration changes reserved.

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