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Labeling cables

Shrink tubes
Label flags
Wrap-around labels

EOS 2, EOS 5 label printers

**for printing on one side of
continuously pressed shrink tubes**

EOS2 is the compact one, requiring little footprint on workstations. Label rolls with a maximum diameter of 203 mm can be inserted to EOS5.

Continuous shrink tubes can be perforated by a special cutter, so that they can be separated by hand at a later stage. They may be cut as well. By pivoting the cutter, materials can be removed or inserted.

Label printer			EOS2	EOS5
Material guidance			centered	
Print method			Thermal transfer	
Print resolution		dpi	300	300
Print speed		mm/s max.	150	150
Print width		mm max.	108	105.7
Material finishing	Roll diameter	mm max.	152	203
	Core diameter	mm	38.1 - 76	

Perforation cutter			
Perforation Distance between off-cuts		mm	2.5
Material	Width	mm	45
	Thickness	mm max.	1.1
Cutting length		mm at least	10
Material passage		mm max.	2.5

Pos.		Part no.	Designation
1.1		5978202	EOS 2/300 label printer
		5965910	Perforation cutter for EOS 2
1.2		5978212	EOS 5/300 label printer
		5969891	Perforation cutter for EOS 5

SQUIX 4M label printer

**for printing on one side of continuously pressed
shrink tubes or shrink tubes ready for use**

Whether operated stand-alone, linked to a PC or in a network – the rugged printers are always up to the mark.

Continuous shrink tubes can be perforated by a special cutter, so that they can be separated by hand at a later stage. They may be cut as well.

Label printer			SQUIX 4M	
Material guidance			centered	
Print method			Thermal transfer	
Print resolution		dpi	300	600
Print speed		mm/s max.	300	150
Print width		mm max.	105.7	105.7
Material finishing	Roll diameter	mm max.	205	
	Core diameter	mm	38.1 - 76	

Perforation cutter			PSQ 403
Perforation Distance between off-cuts		mm	2.5
Material	Width	mm	114
	Thickness	mm max.	1.5
Cutting length		mm at least	10
Material passage		mm max.	2.0

Pos.		Part no.	Designation
1.3		5977010.658	SQUIX 4/300M-P3 label printer incl. PSQ 403 perforation cutter
		5977011.658	SQUIX 4/600M-P3 label printer incl. PSQ 403 perforation cutter

XD Q label printers

for printing on both sides of continuously pressed shrink tubes or shrink tubes ready for use

They print on both sides of pressed shrink tubes, continuous or ready for use, as well as continuous materials based on synthetics, cardboard or textiles.

A draw roller reliably separates the ribbon from materials and, in addition, improves the accuracy of imprints.

Heating power can be assigned separately to each print head. If required, labels can be printed only on one side.

Continuous shrink tubes can be perforated by a special cutter, so that they can be separated by hand at a later stage. They may be cut as well.

See further information on
www.cab.de/en/xdq

Label printer		XD Q4/300	XD Q4.2/600
Material guidance		centered	
Print method		Thermal transfer	
Print resolution	dpi	300	600
Print speed	mm/s max.	200	100
Print width	mm max.	105.7	54.1
Material finishing			
Roll diameter	mm max.	300	
Core diameter	mm	38.1 - 76	

Perforation cutter		PSQ 403
Perforation Distance between off-cuts	mm	2.5
Material Width	mm	116
Thickness	mm max.	1.5
Cutting length	mm at least	10
Material passage	mm max.	2.0

Pos.		Part no.	Designation
1.4		6011501	XD Q4/300-P3 label printer incl. PSQ 403 perforation cutter
		6011506	XD Q4.2/600-P3 label printer incl. PSQ 403 perforation cutter

HERMES Q4L printer system with a 4712 flag applicator

Label flags are applied precisely and in real time on round materials such as cables, hoses or pipes. At this, the labels are first stuck to one another at their ends and only then pressed onto the item.

Printed labels are picked up by a pad located in front of the peel-off plate. The labels are then lifted to the labeling position by a stroke cylinder.

Another cylinder helps labels been guided around a round material via cam control.

The distance of an item to the peel-off plate depends on the length of the stroke cylinder.

Flag applicator			4712L-300
Item	Diameter	mm	3 - 16
Label	Width	mm	50[1] - 100
	Height	mm	10 - 50
	Material		PET
Item at rest while labels are applied			■
Labels applied to an item		from top	■
		from below	■
	vertically rotated	0 - 180° clockwise	
		from the side	■
Items of uniform height			■
Distance of an item to the bottom of the unit		mm at least	70
operating a cylinder stroke of 300		mm max.	260
Depth of chucks immersing		mm	55
Compressed air		bar	4.5
Cycle rate printing and applying[2]		labels/min approx.	15

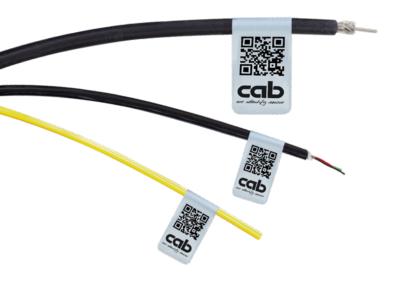[1] Labels 50 mm to 58 mm wide require a spacer.
[2] calculated at 100 mm/s print speed
[3] Label flags on an item require area of at least 60 mm free of components, curves or steps on one side.

HERMES label printer			Q4L	
Material guidance			aligned to the left	
Print method			Thermal transfer	
Print resolution		dpi	300	600
Print speed		mm/s max.	300	150
Print width		mm max.	105.7	105.7
Material finishing	Roll diameter	mm max.	205 / 305	
	Core diameter	mm	76	
Assembly frame and collet chucks			upon request	

Pos.		Part no.	Designation
1.1		6010005	HERMES Q4L/300-2 label printer
		6010006	HERMES Q4L/600-2 label printer
		6010013	HERMES Q4L/300-3 label printer
		6010014	HERMES Q4L/600-3 label printer
2.1		5971815	4712L-300 flag applicator

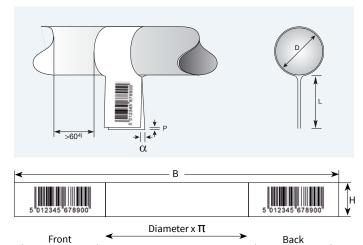**See catalogue of HERMES for further options and accessories.**

Label flags

Label materials as well as adhesives have been developed in particular for reliable label flag processing.

The label entirely encloses an item.
Once stuck, label flags remain permanently closed.

We manufacture the labels upon order.
See examples of punching dies in the table below.

Labels can be provided in further sizes and colors upon request.

Part no.	D1 min. mm	Flag L mm	D2 max. mm	Flag L mm	Label width B mm	Label height H mm	No. of labels per roll at max. Ø 205	R71 resin ribbon	
								Width min. mm	Part no.
5775266	3	20	9.5	10.0	50	30	4,000	55	**5557402.133**
5770196	3	25	12.5	10.0	60	10	10,000	65	**5557403.133**
5771987	3	25	12.5	10.0	60	12	10,000	65	**5557403.133**
5706033	3	30	15.5	10.0	70	15	7,500	76	**5557404.133**
5771850	3	35	16.0	14.5	80	25	5,000	110	**5557405.133**
5773089	3	45	16.0	24.5	100	18	6,000	110	**5557405.133**
5771775	3	45	16.0	24.5	100	45	3,000	110	**5557405.133**

Material	PET white, free of halogens
Thickness	38 μm
Adhesive	permanent
Temperature	-80 °C to 150 °C
Operation	indoor, outdoor
Resistances	water, dirt, petrol, oils, alcohol, detergents, UV light
Flammability	self-extinguishing according to VTM-0
Material finishing	roll, outside diameter max. 305 mm
	core diameter 76 mm

Ribbons

Part no.	Width mm	Length m
5557402.133	55	360
5557403.133	65	360
5557404.133	76	360
5557405.133	110	360

Material   R71 resin, black, inside color layer

Scopes of delivery, designs and technical data correspond to the date of this publication. They are subject to change.

WICON
wrap-around applicator

Cylindric items of diameters 2 mm to 16 mm, such as single wires, strands, cables, hoses, tubes or round rods, can be labeled with the wrap-around applicator.

Data blocks on labels are protected persistently from environmental impacts by transparent laminate.

Items inserted horizontally are set by centering panels. Items can be aligned 25 mm to 100 mm (1" to 4") distant to a label margin, using a stop.

The cycle time for printing and wrapping is 1.8 - 6 seconds, depending on the number of wraps.

Operation starts as soon as an item has been inserted. triggered by a foot switch, a data or I/O interface. A label is printed and then picked up by the applicator. The wrapper head identifies the diameter of the item. The size of a label determines how many times a label will be wrapped around.

The slot to insert or remove items is covered by a finger guard during processing.

Pivoting the applicator enables label rolls or ribbons be replaced easily. In cases of errors to fix, such as label jams, opening the service door provides access to the wrapper head.

Only wrap-around labels provided by the manufacturer guarantee proper applications. Item surfaces must be clean and free of lubricants.

Wrap-around applicator			WICON
Item	Diameter	mm	2.0 - 16.0
	Length	mm at least	132
	Centering panel distant to left or right	mm	124
	Label margin distant to centering panel	mm	12.7
	Label margin distant to product by stop	mm	25 - 100
	Deflection as for a length of 124 mm	mm	max. 1
Label	Width	mm	12.7 - 50.8
	Height	mm	19.1 - 70.0
	Material		PVC
Applicator	Rates as for printing and applying a label	s	1.8 - 6
	No. of wrap-arounds		2 - 10
Start	as soon as an item has been inserted by hand		
	via data interface		
	via I/O interface		

Label printer			SQUIX 4/MP	
Material guidance on the printer			centered	
Print method			Thermal transfer	
Print resolution		dpi	300	600
Print speed		mm/s max.	200	150
Print width		mm max.	105.7	
Material finishing	Roll diameter	mm max.	205	
	Core diameter	mm	76	

Pos.		Part no.	Designation
1.1		5977007	SQUIX 4/300MP label printer
		5977008	SQUIX 4/600MP label printer
2.1		5988000	WICON wrap-around applicator

xxxxxxx.250 with options been assembled

See further information on
www.cab.de/en/wicon

Wrap-around labels

Data blocks on labels are protected persistently from contamination and wear by transparent laminate.

The labels can be removed by hand from the peel-off plate on a printer or applied by the wrap-around applicator to items.

Labels are wound in single lanes. Rolls are packed individually.

With labels 19.1 mm to 63.5 mm high (H), items of diameters 2 mm to 16 mm can be labeled. Using labels 70 mm high, the smallest possible item diameter is 6 mm.

Product diameter D1
Up to this value, a data block captures the circumference of an item.

Product diameter D2
Up to this value, the protective laminate captures the data block.

Part no.	Data block color	Item Ø D1 mm	D2 mm	Label width B mm	Data block height mm	Label height H mm	No. of labels on a roll	R71 resin ribbon Width mm at least	Part no.
5780120.130	white	2.0	4.0	12.7	6.4	19.1	7,450	25	5557401.133
5780121.130	white	2.0	4.0	25.4	6.4	19.1	7,450	55	5557402.133
5780122.130	white	3.0	5.0	25.4	9.5	25.4	5,800	55	5557402.133
5780128.130	white	4.0	8.0	12.7	12.7	38.1	4,000	25	5557401.133
5780129.130	white	4.0	8.0	19.1	12.7	38.1	4,000	55	5557402.133
5780130.130	white	4.0	8.0	25.4	12.7	38.1	4,000	55	5557402.133
5780131.130	white	4.0	8.0	50.8	12.7	38.1	4,000	55	5557402.133
5780133.130	white	6.0	14.0	25.4	19.1	63.5	2,450	55	5557402.133
5780135.130	white	6.0	14.0	38.1	19.1	63.5	2,450	55	5557402.133
5780136.130	white	6.0	16.0	25.4	19.1	70.0	2,250	55	5557402.133
5780137.130	white	6.0	16.0	50.8	19.1	70.0	2,250	55	5557402.133

Labels can be provided in further sizes or colors upon request.

Material	PVC
Thickness	80 µm
Adhesive	permanent
Temperature	-40 to +110 °C
	-40 to +80 °C with UL approval
Operation	indoor, outdoor
Resistances	water, dirt, petrol, oils, alcohol, detergents, UV light
Approvals	UL 969 in preparation
Material finishing	roll, outside diameter max. 205 mm core diameter 76 mm

Ribbons
One ribbon roll serves for printing two rolls of wrap-around labels.

Part no.	Width mm	Length m
5557401.133	25	360
5557402.133	55	360
Material	R71 resin, black, inside color layer	

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