Status: 01/2020

Products need labeling

Print and apply systems

HERMES Q

Made in Germany

Please note:
HERMES Q replaced the Hermes+ series at the end of 2019.
www.cab.de/en/hermesplus

HERMES Q

Designed for automated printing and labeling in production lines

1.1

The slim one

to print small labels

Label printer		HERMES Q2	
Printable resolution	dpi	300	600
Print speed	up to mm/s	300	150
Print width	up to mm	56.9	54.1
Label roll outside diameter	mm	205 / 305	
Label width	up to mm	58	

1.2

The universal one

Best-selling industrial device, offering a wide range of accessories

Label printer		HERMES Q4.3		HERMES Q4	
Printable resolution	dpi	200	300	300	600
Print speed	up to mm/s	300	300	300	150
Print width	up to mm	104	108.4	105.7	105.7
Label roll outside diameter	mm	205 / 305			
Label width	up to mm	114			

1.3

The wide one

to print Odette, UCC and GS1 labels in logistics applications

Label printer		HERMES Q6.3	
Printable resolution	dpi	200	300
Print speed	up to mm/s	250	250
Print width	up to mm	168	162.6
Label roll outside diameter	mm	205 / 305	
Label width	up to mm	174	

Labels on rolls

HERMES Q2, Q4, Q6.3

Label roll diameter 205 mm

HERMES Q2, Q4, Q6.3

Label roll diameter 305 mm

Slim labels

on rolls or reels

HERMES Q2...S

If labels are processed on liner materials less than 20 mm wide, the ribbon needs protruding on both sides to prevent from folding. For this purpose, the label guide is offset by 7 mm with spacers.

Directions of label transfer

HERMES QL

to the left

HERMES QR

to the right

Covers

HERMES Q2, Q4, Q6.3

suitable for roll diameters up to 205 mm

Sample applications

PCB labeling

Package labeling

Container labeling

Details

1 **Operation panel**
Operating the device is intuitive and simple with the help of self-explanatory symbols to configure settings.

2 **Ribbon holder**
Three-part tightening axles enable the ribbon to be replaced quickly and easily.

3 **Rugged metal chassis**
made of cast aluminum; basis to assemble all units

4 **Applicator assembly**
They are mounted on hinge pins and can be pivoted in the case of material replacement or maintenance.

5 **Plungers**
One plunger is fixed on the inner side. A second one is moved that far to the label margin, until a good print image evokes.

6 **Print head**
All print heads are freely interchangeable at equal width. Easy replacement

7 **Automatic ribbon saving** (option)
The print head is lifted during label feed and the ribbon is stopped.

8 **Print roller removal**
It can be easily removed or inserted in the cases of cleaning or wear.

9 **Peel-off plate, pivoted**
to improve label transfer onto packaging.

10 **Label unwinder**
By means of the swing lever and a brake integrated, labels are unwound with constant tension.

11 **Liner tape rewinder**
After all the labels have been transferred, the liner tape is fully rewound. The three-part tightening axle allows the liner tape to be inserted and removed easily.

12 **Label sensor**
A gap sensor or a reflective sensor position the imprint precisely on the label and detect the end of the material.

Imprint accuracy
The smaller a label, the higher are the requirements on the imprint accuracy. With the help of the adjustable slip correction, print offset can be reduced by ±0.2 mm.

Operation panel

Operating the device is intuitive and simple with the help of self-explanatory symbols to configure settings.

1. **LED signal:** Power ON
2. **Status bar**: data reception, record data stream, ribbon pre-warning, SD memory card / USB memory stick plugged in, Bluetooth, WLAN, Ethernet, USB slave, time
3. **Printer status:** Ready, Pause, number of labels printed in a print job, label in peel-off position, awaiting external start signal
4. **USB slot** to connect the Service Key or a memory stick, in order to transfer data to the IFFS memory
5. **Operation**
   - Printing and labeling in individual steps
   - Jump to menu
   - Reprint last label
   - Interrupt and continue print job
   - Stop and delete all print jobs
   - Label feed

Setup options

Print parameters

Print position Y

Print speeds

Depending from the orientation of assembly, display is either in landscape or portrait mode.

Printer rotated by 90°

Video tutorials

External operation panel

providing the same functionality as on the printer

Display in landscape or portrait mode

Users are free to choose whether to operate the printer on the external panel or on the one integrated in the device.

Printer connection: USB 2.0 Hi-speed device

1. **LED signal:** Power ON
2. **USB slot** to connect the Service Key or a memory stick, in order to transfer data to the IFFS memory
3. **Connecting cable USB**, lengths 1.8 to 16 m
   If length succeeds 3 m, use only specified cables.
   For dimensions see assembly instructions

7

Print heads

All print heads are freely interchangeable at equal width.
They are automatically detected and calibrated by the CPU.
The print distance to the locating edge can be adjusted.

Major data such as running performance, maximum operating temperature and heat energy are directly stored in the print head. The data can be read at the plant.

Print heads for HERMES Q2, HERMES Q4 - 300, 600 dpi
providing sharp-edged print images
suitable for small fonts and graphics on typeplates
suitable for markings on materials with high energy needs

Print heads for HERMES Q4.3, HERMES Q6.3 - 200, 300 dpi
durable; suitable for rough surroundings and thermal direct printing

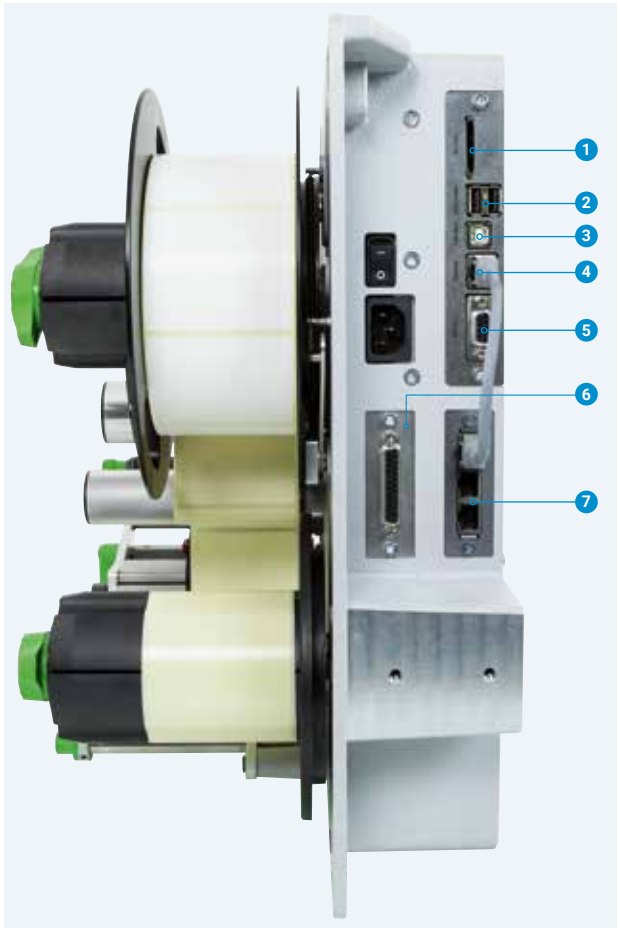
Print rollers

Two types of material:

Print rollers DR
Coating: synthetic rubber
They suit for highly accurate imprint and are provided as standard.

Print rollers DRS
Coating: silicone
They have an extra long service life at a higher imprint tolerance.

Interfaces



1. to connect a **SD memory card**
2. **2 x USB Host** to connect a Service Key, USB memory stick, keyboard, USB Bluetooth adapter, USB WLAN stick, warning light, an external operation panel
3. **USB 2.0 Hi-speed device** to connect a PC
4. **Ethernet 10/100 Mbit/s**
5. **RS232C** 1,200 to 230,400 baud/8 bit
6. **Digital I/O interface;** 25 pin SUB-D socket connector compliant with IEC/EN 61131-2, type 1+3,
   All inputs and outputs are galvanically isolated and protect from reverse polarity. In addition, outputs are short circuit protected.

Inputs PNP	**Outputs PNP, NPN**
Start printing or labeling	Device ready
Print first label	Print data available
Reprint	Initial / upper end position
Delete print job	Paper feed ON
Label removed	Label in peel-off position
Stop printing or labeling	Label transfer / lower end position
Label feed	Pre-warning to ribbon ending
Label rotation 90° for appl. 4214	Pre-warning to labels ending
Pause	End of ribbon and/or
Reset	end of labels
	Collective error

Accessory:

7. **2-Port Ethernet Switch 10/100 Mbit/s**

Technical data

● typical ■ standard ☐ option

Label printer		Type	HERMES Q2		HERMES Q4.3		HERMES Q4		HERMES Q6.3	
Printing method	Thermal transfer		●	●	●	●	●	●	●	●
	Thermal direct		–	–	●	●	–	–	●	●
Printable resolution		dpi	300	600	200	300	300	600	200	300
Print speed		up to mm/s	300	150	300	300	300	150	250	250
Print width		up to mm	56.9	54.1	104	108.4	105.7	105.7	168	162.6
Direction of label transfer			L to the left or R to the right							
Print distance to locating edge		mm	1	1	1	1	1	1	1	1
	with autom. saving	L/R mm	–	–	2.2/1.6	0/-0.7	1/1	1/1	0.2/0.2	2.9/2.9
Material										
Labels			Paper, PET, PE, PP, PI, PVC, PU, acrylate, Tyvec							
		on roll	●		●		●		●	
		on reel	●		–		–		–	
Labels[1]	Width	mm	4 - 58		10 - 114		10 - 114		46 - 174	
	Height	from mm	3		4		4		6	
	Thickness	up to mm	0.60		0.60		0.60		0.60	
Liner material	Width roll	mm	24 - 62		24 - 118		24 - 118		50 - 178	
	reel	mm	10 - 62		–		–		–	
	Thickness	up to mm	0.16		0.16		0.16		0.16	
Roll unwinder	Outside diameter roll	up to mm	205 / 305		205 / 305		205 / 305		205 / 305	
	reel	up to mm	205		–		–		–	
	Core diameter	mm	76							
	Winding		outside or inside							
Roll rewinder	Outside diameter	up to mm	155 / 205							
	Core diameter	mm	76							
Ribbon[2]	Ink side		outside or inside							
	Roll diameter	up to mm	90							
	Core diameter	mm	25.4							
	Variable length	up to m	600							
	Width	mm	25 - 67		25 - 114		25 - 114		50 - 170	
	Automatic saving		–		☐		☐		☐	
Printer dimensions and weights										
Width		mm	207		260		260		320	
Height	with roll diameter 205 / 305	mm	400 / 430							
Depth	with roll diameter 205 / 305	mm	400 / 500							
Weight	with roll diameter 205 / 305	approx. kg	15 / 16		16 / 17		16 / 17		20	
Label sensor with position indication										
Gap sensor		for	labels, punch marks or print marks and end of material							
Reflective sensor	reflex from below	for	print marks on non-transparent liner materials and end of material							
Distance of sensor to locating edge		mm	2 - 26		2 - 60		2 - 60		2 - 60	
Material passage		mm	2							
Electronics										
Processor 32 bit clock rate		MHz	800							
Main memory (RAM)		MB	256							
Data memory (IFFS)		MB	50							
Slot to connect a SD memory card (SDHC, SDXC)			■							
Battery for time and date, real-time clock			■							
Data memory when power is switched off (e.g. serial numbering)			■							
Interfaces										
RS232C 1,200 to 230,400 baud/8 bit			■							
USB 2.0 Hi-speed device to connect a PC			■							
Ethernet 10/100 Mbit/s			LPD, IPv4, IPv6, RawIP printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, NTP, Zeroconf, SOAP web service							
1 x USB host on the operation panel		for	Service Key, USB memory stick, USB WLAN stick, USB Bluetooth adapter							
2 x USB host on the back of the device		for	keyboard, barcode scanner, USB memory stick, warning light, USB WLAN stick, USB WLAN stick with a rod antenna, USB Bluetooth adapter, external operation panel							
Peripheral connection USB host, 24 VDC			■							
Digital I/O interface with 10 inputs and 11 outputs			■							
2-Port Ethernet Switch 10/100 Mbit/s			☐							

[1] Limitations may apply to small labels, thin materials or strong adhesives. Critical applications need to be tested.
[2] The ribbon should at least correspond with the width of the liner material.

Technical data

■ standard ☐ option

Operating data		
Power supply		100-240 VAC, 50/60 Hz, PFC
Power consumption		Standby < 10 W / typical 150 W / up to 300 W
Temperature / humidity	Operation	+5 - 40°C / 10 - 85 %, not condensing
	Stock	0 - 60°C / 20 - 85 %, not condensing
	Transport	–25 - 60°C / 20 - 85 %, not condensing
Approvals		CE, FCC Class A, ICES-3
	in preparation	cULus, CB, CCC

Operation panel			
Colored LCD touch display	Screen diagonal	"	4.3
	Resolution Width x Height	px	480 x 272

Setup options		
	Print Labels Ribbon Peel-off Apply Interfaces Error	Region: - Language - Country - Keyboard - Time zone Time Display: - Brightness - Power saving mode - Orientation Interpreter

Status bar		
	Data reception Record datastream Ribbon pre-warning SD memory card plugged in USB memory stick plugged in	Bluetooth WLAN Ethernet USB slave Time

Monitoring			
	Ribbon	Direc. of winding Pre-warning End of material	Pinch roller open Periphery error
	Labels	Pre-warning End	
	Print head	Voltage Temperature open	

Test routines		
System diagnostics	on start-up, including print head detection	
Information display, test printout, analysis	Status printout Fonts list List of devices WLAN status Record print data on memory card	Test grid Label profile List of events Monitor mode
Status reports	- Printout of device settings, e.g. print lengths and service hours - Device status request by software command - Display of, e.g., network errors, no links, barcode errors, periphery errors, etc.	

Fonts		
Font types provided internally	5 bitmap fonts: 12 x 12 dots 16 x 16 dots 16 x 32 dots OCR-A OCR-B	7 vector fonts: AR Heiti Medium GB-Mono CG Triumvirate Condensed Bold Garuda HanWangHeiLight Monospace 821 Swiss 721 Regular and Bold
to be stored	TrueType fonts	
Character sets	Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869 EBCDIC 500 ISO 8859-1 to -10 and -13 to -16 WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified Chinese traditional Thai	Cyrillic Greek Latin Hebrew Arabic

Fonts		
Bitmap fonts	Widths and heights 1 - 3 mm Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 270°	
Vector / TrueType fonts	Widths and heights 0,9 - 128 mm Variable zoom Orientation 360° in steps of 1°	
Font styles	bold, italic, underlined, outline, inverse - depending from the font types	
Character spacing	variable or monospace for fixed character spacings	

Graphics		
Graphic elements	Lines, arrows, rectangles, circles, ellipses - filled or filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	

Barcodes		
Linear	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 EAN/UCC 128/GS1-128 EAN/UPC Appendix 2 EAN/UPC Appendix 5 FIM HIBC	Interleaved 2/5 Ident and routing code of Deutsche Post Codabar JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0
2D and stacked	DataMatrix DataMatrix Rectangle Extension QR code Micro QR code GS1 QR code GS1 DataMatrix PDF 417 Micro PDF 417 UPS MaxiCode GS1 DataBar Aztec Codablock F Dotcode RSS 14 truncated, limited, stacked, stacked omni-directional	
	All codes are variable in terms of height, modular width and ratio; orientations 0°, 90°, 180°, 270° check digit, plain text printout and start / stop code are options depending from the type of code	

Software		
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print	■ ■ ☐ ☐
Running also with	CODESOFT NiceLabel BarTender	
Stand-alone operation		■
Windows printer drivers WHQL certified for	Windows Vista Windows 7 Windows 8 Windows 8.1 Windows 10 Server 2008 Server 2008 R2 Server 2012 Server 2012 R2 Server 2016 Server 2019	■
Apple Mac OS X printer drivers	from version 10.6	■
Linux printer drivers	from CUPS 1.2	■
Programming	JScript printer language abc Basic Compiler	■ ■
Integration	SAP Database Connector	■ ■
Emulation	ZPL (Datastream to be tested in advance)	☐
Administration	Printer control Configuration in Intranet and Internet Network Manager (in preparation)	■ ■ ■

cab uses free and Open Source Software in its products.
For information see **www.cab.de/opensource**

Label software cablabel S3

Designing, printing, administrating

cablabel S3 opens up the full potential of cab devices.
First of all, the label must be designed. cablabel S3 is of a modular design which makes it adaptable to requirements step by step.
To support functions like native JScript programming, elements such as the JScript Viewer are embedded as plug-ins.
The designer user interface and the JScript code are synchronized in real time. Special functions like the Database Connector or barcode testers can be integrated.

For further information see
www.cab.de/en/cablabel

Stand-alone printing

This operating mode is the printer's ability to select and print labels even when it is not connected to a host system.

The label has to be designed with a software such as cablabel S3 or by direct programming with a text editor on a PC. Label formats, texts, graphics as well as database contents are stored on a memory card, a USB memory stick or in the internal IFFS memory.

Only variable data are sent to the printer via a keyboard, a barcode scanner, scales or other host systems and/or recalled by the Database Connector from the host and printed.

OPC UA

cab printers of the current generation are ready to interact with machines and components of different manufacturers in industrial plants.

An OPC UA server and client is part of the firmware.

The server enables printer configuration and control, while dynamic print data can be prepared via a defined programming interface.

With a client integrated, data fields from other OPC UA-enabled machines can be read and put on the label without the need for an additional software component.

Printer control

Drivers

To control the printer with a software other than cablabel S3, cab provides drivers in 32 / 64 bit for operating systems starting from Windows Vista, Mac OS 10.6 and Linux with CUPS 1.2.

Windows[1] drivers
cab printer drivers are WHQL-certified. They ensure optimum stability on the Windows operating system.

Mac OS X[2][3] drivers
cab provides CUPS-based printer drivers for Mac OS X applications.

Linux[3] drivers
Linux drivers are CUPS-based.

Drivers are offered on the DVD delivered with the printer and for free download at **www.cab.de/en/support**

Programming

JScript
To control the printer, cab has developed the embedded programming language JScript. See manual for free download at **www.cab.de/en/programming**

abc Basic Compiler
In addition to JScript and as an integral part of the firmware, it allows advanced printer programming before data are sent to printout. For example, external printer languages can be replaced without interfering in the current print job. Also data from other systems such as a scale, a barcode scanner or PLC can be integrated.

Integration

Printer Vendor Program
As a partner in SAP's[4] Printer Vendor Program, cab has developed a replace method to enable easy control of a cab printer via SAPScript from SAP R/3. Only variable data are sent to the printer by the host. Pictures and fonts that had priorly been stored in the local memory (IFFS, memory card, etc.) are merged.

Step 1	Step 2	Step 3
Create a label and a replace file with cablabel S3	Use the replace file and replace the variable data in SAPScript	Printout from SAP

Printer administration

Configuration in Intranet and Internet

The HTTP and FTP server integrated in the printer via standard programs like a web browser or FTP clients allows printer control and configuration, firmware updates and memory card administration. Via email or SNMP, the SNMP and SMTP client datagram sends status, warning and error messages to administrators and users. Time and date are synchronized by a time server.

Network Manager in preparation

It is possible to simultaneously manage several printers within the network. Control, configuration, firmware updates, memory card administration, data synchronization and PIN administration are supported from one single location.

Database Connector

Printers connected to a network may directly access data from a central ODBC or OLEDB-ready database and print it on a label. While printing, data can be rewritten to the database.

[1] Windows is a registered trademark of Microsoft Corporation
[2] MAC OS X is a registered trademark of Apple Computer, Inc.
[3] Only for device series SQUIX (except of SQUIX MT), MACH 4S, EOS, HERMES Q and PX
[4] SAP and all corresponding logos are trademarks or registered trademarks of SAP SE

Applicators

HERMES Q have been designed for automatic printing and labeling in production lines. Various applicators are provided to roll, blow or tamp labels on products or packaging.

1. **Long service life**
Precise and low-wear linear guidance by means of a ball bearing chain.

2. **Variable product heights**
The stroke cylinder allows labeling on different heights. It is available in lengths of 200, 300 and 400 mm as standards. Further lengths can be provided on request.

3. **Protective cover**
The cylinder and the guide are protected by a cover as standard. Covers adapted to the product jig are offered for labeling workstations.

4. **High process reliability**
Supporting air, intake air and stroke speed are all to be set. Monitoring is via sensors.

5. **Real-time labeling**
Applicators transfer small and large labels; Label heights from 4 to 250 mm and label widths from 4 to 174 mm can be processed.

Pressure reducing valve
It reduces the pressure of the stroke cylinder on the product.

6. **Applicator, pivoted**
Quick and easy access to the print mechanics in cases of material replacement or maintenance.

Overview of applicators and transfer modules

	Applicators	HERMES Q 2	HERMES Q 4	HERMES Q 6.3	Page	Label transfer with a 11	Universal pad 11	Tamp pad 12	Tamp pad with damping layer 61	Tamp pad with label stop 21	Blow pad 88	Form pad 32	Universal pad spring-mounted 32	Tamp pad spring-mounted 41	Roll-on pad 51	Corner-wrap pad –	Demand module –	Vacuum belt 90	Template
		Order code																	
Product marking	Swing applicator	3214	3214		14	–	F	F	F	☐	–	–	–	–	–	–	–	–	–
	Stroke applicator	4114	4114		15/16	–	F	F	F	☐	☐	–	–	–	–	–	–	–	–
				4116	15/16	–	F	F	F	–	☐	–	–	–	–	–	–	–	–
	Stroke turn applicator	4214	4214		17	–	F	F	F	☐	–	–	–	–	–	–	–	–	–
	Stroke applicator	4414	4414		18	–	F	F	F	–	–	–	–	–	–	–	–	–	–
	Swing stroke applicator	4514	4514		19	–	–	–	–	☐	–	–	–	–	–	–	–	–	–
	Flag applicator		4712		20	–	–	–	–	–	☐	–	–	–	–	–	–	–	–
Package marking	Front side applicator		3014		21	–	☐	–	–	☐	–	–	☐	–	–	–	–	–	–
				3016	21	–	☐	–	–	–	–	–	☐	–	–	–	–	–	–
	Stroke applicator		4014		22/23	☐	F	–	–	☐	–	☐	☐	☐	☐	–	–	–	–
				4016	22/23	–	☐	–	–	–	–	–	☐	☐	–	–	–	–	–
	Stroke blow applicator		4614		24	–	–	–	–	☐	–	–	–	–	–	–	–	–	–
	Demand module		5114		25	–	–	–	–	–	–	–	–	–	–	☐	–	–	–
	Vacuum belt applicator		5314	5316	26	–	–	–	–	–	–	–	–	–	–	–	☐	–	–
			5414	5416	26														
	Air jet box		6114		27	–	–	–	–	–	–	–	–	–	–	–	–	☐	–

Type code for applicators

4414L-200

- Type: **441**
- for label printer: HERMES Q2 **2**, HERMES Q4 **4**, HERMES Q6.3 **6**
- Direction of label transfer to the left **L**, to the right **R**
- Cylinder stroke: **200**, **300**, **400**, **500**, **600**, **700**, **800** (on request)

F Allows the tamp pad to immerse into the surface within the label area.

For detailed immersion depths see the applicator's technical data.

In case an applicators's immersion depth succeeds 25 mm, the cover of HERMES Q must be adapted.

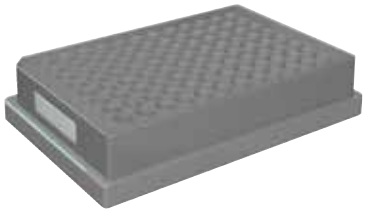
Product marking

Swing applicator 3214

The labels are preferably applied on the side of the product.

The pad is positioned in front of the peel-off plate. The label is held during printing. A rotary cylinder swings in labeling position. The stroke cylinder applies the label on the product. Rotary angle and linear stroke are adjustable.

4.1



Accessories

5.13 **Blow tube**

5.14 **Compressed air regulation unit**

Tamp pad
Labels are precisely tamped on plain surfaces, even recessed.

Tamp pad with damping layer
With hard surfaces, the layer contributes to noise damping. The use gives also advantage with rough structures or minor unevenness.

Tamp pad with label stop
In case of small labels, the stop provides precise positioning on the product.

Blow pad
for pressure sensitive surfaces or when products are in motion. Air jet blows the labels onto the product. 5 to 10 mm distance to the product surface are set with a stop on the stroke cylinder.

			Tamp pad	Tamp pad with damping layer	Tamp pad with label stop	Blow pad
Technical data			**3214 L/R 11 F**	**3214 L/R 12 F**	**3214 L/R 61 F**	**3214 L/R 2100**
Label width	HERMES Q2	mm	4 - 58	10 - 58	10 - 58	10 - 58
	HERMES Q4	mm	10 - 114	10 - 114	10 - 114	10 - 80
Label height	HERMES Q2	mm	5 - 80	8 - 80	5 - 80	10 - 80
	HERMES Q4	mm	8 - 80	8 - 80	8 - 80	10 - 80
Product during labeling		not in motion	■			
		in motion	-	-	-	■
Product labeling		from the side	■			
Product height		fixed	■			
Product distance to peel-off plate		mm	250 - 280			
Horizontal linear guidance		mm	5 - 30			
Pivot angle			45° - 95°			
Immersion depth pad F		up to mm	30	30	30	-
Compressed air		bar	4.5			
Cycle time[1)]		approx. labels/min	20			

[1)] Calculated with label height 40 mm, print speed 100 mm/s

Product marking

Strike applicators 4114, 4116

for precise real-time labeling of very small to mid-sized labels where installation is difficult. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. A short stroke cylinder moves the pad horizontally to the labeling position. The stroke cylinder applies the label on the product. The length of the stroke cylinder defines the maximum product distance to the peel-off plate.

4.2

Accessories

5.13 **Blow tube**

5.14 **Compressed air regulation unit**

5.17 **Pressure reducing valve**

Tamp pad
Labels are precisely tamped on plain surfaces, even recessed.

Tamp pad with damping layer
With hard surfaces, the layer contributes to noise damping. The use gives also advantage with rough structures or minor unevenness.

Tamp pad with label stop
In case of small labels, the stop provides precise positioning on the product.

Blow pad
for pressure sensitive surfaces or when products are in motion.
Air jet blows the labels onto the product.
5 to 10 mm distance to the product surface are set with a stop on the stroke cylinder.

			Tamp pad	Tamp pad with damping layer	Tamp pad with label stop	Blow pad
Technical data			**4114, 4116 L/R 11 F**	**4114, 4116 L/R 12 F**	**4114, 4116 L/R 61 F**	**4114 L/R 2100**
Label width	HERMES Q2	mm	4-58	10-58	10-58	10-58
	HERMES Q4	mm	10-114	10-114	10-114	10-114
	HERMES Q6.3	mm	50-174	50-174	50-174	-
Label height	HERMES Q2	mm	4-80	8-80	4-80	10-80
	HERMES Q4	mm	8-80	8-80	8-80	10-80
	HERMES Q6.3	mm	8-80	8-80	8-80	-
Product during labeling	not in motion		■			
	in motion		-	-	-	■
Product labeling	from top		■			
	from below		■			
	from the side		■			
Product height	fixed		-	-	-	■
	variable		■	■	■	-
Horizontal short stroke cylinder		mm	10			
Product distance to lower edge of device at cylinder stroke 200		up to mm	135	135	135	140
300		up to mm	235	235	235	240
400		up to mm	335	335	335	340
Immersion depth pad F[1]		up to mm	110	110	110	-
Compressed air		bar	4.5			
Cycle time[2]		approx. labels/min	30			

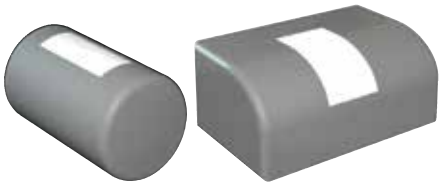
[1] In case the applicator's immersion depth is more than 25 mm, the cover of HERMES Q has to be adapted.
[2] Calculated with stroke 100 mm below device, label height 40 mm, print speed 100 mm/s

Product marking

Stroke applicators 4114, 4116

for precise real-time labeling of very small to mid-sized labels where installation is difficult. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. A short stroke cylinder moves the pad horizontally to the labeling position. The stroke cylinder applies the label on the product. The length of the stroke cylinder defines the maximum product distance to the peel-off plate.



Accessories

5.13 **Blow tube**

5.14 **Compressed air regulation unit**

5.17 **Pressure reducing valve**

4.2

Form pad
Labels are applied precisely to cylindric objects, oblique or curved surfaces. Curved form pads prevent from bubbling on very smooth and flat surfaces. With cylindric objects, 200° maximum label wrapping is possible.

			Form pad
Technical data			**4114, 4116 L/R 8800**
Label width	HERMES Q2	mm	10 - 58
	HERMES Q4	mm	10 - 114
	HERMES Q6.3	mm	50 - 174
Label height		mm	8 - 80
Product during labeling		not in motion	■
Product labeling		from top	■
		from below	■
		from the side	■
Product height		variable	■
Horizontal short stroke cylinder		mm	10
Product distance to lower edge of device			
at cylinder stroke 200		up to mm	135
	300	up to mm	235
	400	up to mm	335
Compressed air		bar	4.5
Cycle time[1)]		approx. labels/min	20

[1)] Calculated with stroke 100 mm below the device, label height 40 mm, print speed 100 mm/s
In case the height of the form pad is more than 25 mm, the cover of HERMES Q has to be adapted.

Product marking

Stroke turn applicator 4214

for precise real-time labeling of very small to mid-sized labels where installation is difficult. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. A rotary cylinder swings the pad horizontally up to 180° in labeling position. The stroke cylinder applies the label on the product. The length of the stroke cylinder defines the maximum product distance to the peel-off plate.

4.3

Accessories

5.13 **Blow tube**

5.14 **Compressed air regulation unit**

5.17 **Pressure reducing valve**

Tamp pad
Labels are precisely tamped on plain surfaces, even recessed.

Tamp pad with damping layer
With hard surfaces, the layer contributes to noise damping. The use gives also advantage with rough structures or minor unevenness.

Tamp pad with label stop
In case of small labels, the stop provides precise positioning on the product.

Blow pad
for pressure sensitive surfaces or when products are in motion. Air jet blows the labels onto the product. 5 to 10 mm distance to the product surface are set with a stop on the stroke cylinder.

			Tamp pad	Tamp pad with damping layer	Tamp pad with label stop	Blow pad
Technical data			**4214 L/R 11 F**	**4214 L/R 12 F**	**4214 L/R 61 F**	**4214 L/R 2100**
Label width	HERMES Q2	mm	4 - 58	10 - 58	10 - 58	10 - 58
	HERMES Q4	mm	10 - 80			
Label height	HERMES Q2	mm	4 - 40	8 - 40	4 - 40	10 - 40
	HERMES Q4	mm	8 - 40	8 - 40	8 - 40	10 - 40
Product during labeling		not in motion	■			
		in motion	-	-	-	■
Product labeling		from top	■			
		from below	■			
		from the side	■			
Product height		fixed	-	-	-	■
		variable	■	■	■	-
Horizontal rotary angle		90°, 0° 180° with label height up to 15 mm	■			
Product distance to lower edge of device at cylinder stroke	200	up to mm	135	135	135	140
	300	up to mm	235	235	235	240
	400	up to mm	335	335	335	340
Immersion depth pad F[1]		up to mm	65	65	65	-
Compressed air		bar	4.5			
Cycle time[2]		approx. labels/min	20			

[1] In case the applicator's immersion depth is more than 25 mm, the cover of HERMES Q has to be adapted.
[2] Calculated with stroke 100 mm below device, label height 40 mm, print speed 100 mm/s

Product marking

Stroke applicator 4414

for very precise real-time labeling of very small to mid-sized labels. Adjustability in x and y directions provides exact positioning on the product. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. Two short stroke cylinders move the pad horizontally to the labeling position. The stroke cylinder applies the label on the product. The length of the stroke cylinder defines the maximum product distance to the peel-off plate.

4.4

Accessories

5.13 **Blow tube**

5.14 **Compressed air regulation unit**

5.17 **Pressure reducing valve**

Tamp pad
Labels are precisely tamped on plain surfaces, even recessed.

Tamp pad with damping layer
With hard surfaces, the layer contributes to noise damping. The use gives also advantage with rough structures or minor unevenness.

Tamp pad with label stop
In case of small labels, the stop provides precise positioning on the product.

			Tamp pad	Tamp pad with damping layer	Tamp pad with label stop
Technical data			**4414 L/R 11 F**	**4414 L/R 12 F**	**4414 L/R 61 F**
Label width	HERMES Q2	mm	4 - 58	10 - 58	10 - 58
	HERMES Q4	mm		10 -114	
Label height	HERMES Q2	mm	4 - 80	8 - 80	4 - 80
	HERMES Q4	mm		8 - 80	
Product during labeling		not in motion		■	
Product labeling		from top		■	
		from below		■	
		from the side		■	
Product height		variable		■	
Horizontal short stroke cylinder		x direction mm		3 - 7	
		y direction mm		11 - 15	
Product distance to lower edge of device at cylinder stroke 200		up to mm		135	
	300	up to mm		235	
	400	up to mm		335	
Immersion depth pad F[1]		up to mm		90	
Compressed air		bar		4.5	
Cycle time[2]		approx. labels/min		25	

[1] In case the applicator's immersion depth is more than 25 mm, the cover of HERMES Q has to be adapted.
[2] Calculated with stroke 100 mm below device, label height 40 mm, print speed 100 mm/s

Product marking

Swing stroke applicator 4514

for real-time labeling on inner surfaces of profiles and pipes.
The exact position on the product is set with a stop
on the stroke cylinder. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. A rotary cylinder swings the pad to the labeling plane. The stroke cylinder moves the label to the demand position.

Accessories

5.13 **Blow tube**

5.14 **Compressed air regulation unit**

4.5

Blow pad
With 5 to 10 mm distance to the product surface, air jet blows the labels onto the product.

			Blow pad
Technical data			**4514 L/R 2100**
Label width	HERMES Q2	mm	10 - 58
	HERMES Q4	mm	10 - 80
Label height		mm	10 - 60
Product during labeling		not in motion	■
Product labeling		from top	■
		from below	■
		from the side	■
Product height		fixed	■
Vertical pivot angle			120°
Distance lower edge of device to upper edge of label			
at cylinder stroke	200	up to mm	150[2]
	300	up to mm	250[2]
	400	up to mm	350[2]
Compressed air		bar	4.5
Cycle time[1]		approx. labels/min	20

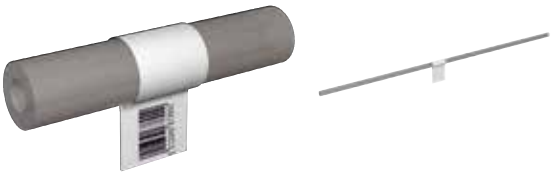
[1] Calculated with stroke 100 mm below device, label height 40 mm, print speed 100 mm/s
[2] depending on the label height

Product marking

Flag applicator 4712

for precise real-time labeling on round materials such as cables, hoses, pipes, etc. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. It is moved by a stroke cylinder to the demand position. With the other cylinder, the label is guided around the round material via cam control. At first, it is precisely stuck at the ends and only then pressed to the round material. The length of the stroke cylinder defines the maximum product distance to the peel-off plate.

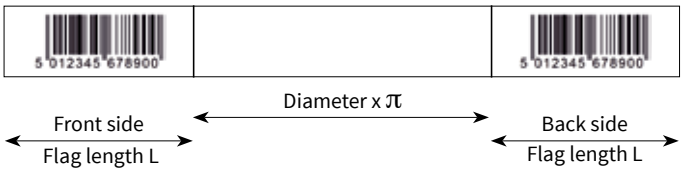


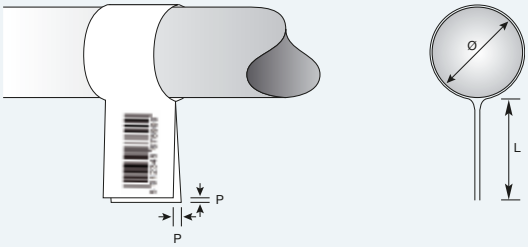
4.6

Accessories

5.13 **Blow tube**

5.14 **Compressed air regulation unit**





		Form pad
Technical data		**4712 L 300**
Label width HERMES Q4	mm	60 - 100
Label height	mm	10 - 50
Diameter	mm	3 - 16
Product during labeling	not in motion	■
Product labeling	from top	■
	from below	■
	vertically rotated	0 - 180° clockwise; others on request
	from the side	■
Product height	fixed	■
Product distance to lower edge of device	min. mm	70
at cylinder stroke 300	up to mm	260
Immersion depth tongs	mm	55
Offset P	up to mm	1.0[2]
Compressed air	bar	4.5
Cycle time only print and apply[1]	approx. labels/min	15

[1] Calculated with print speed 100 mm/s
[2] depending on the label quality

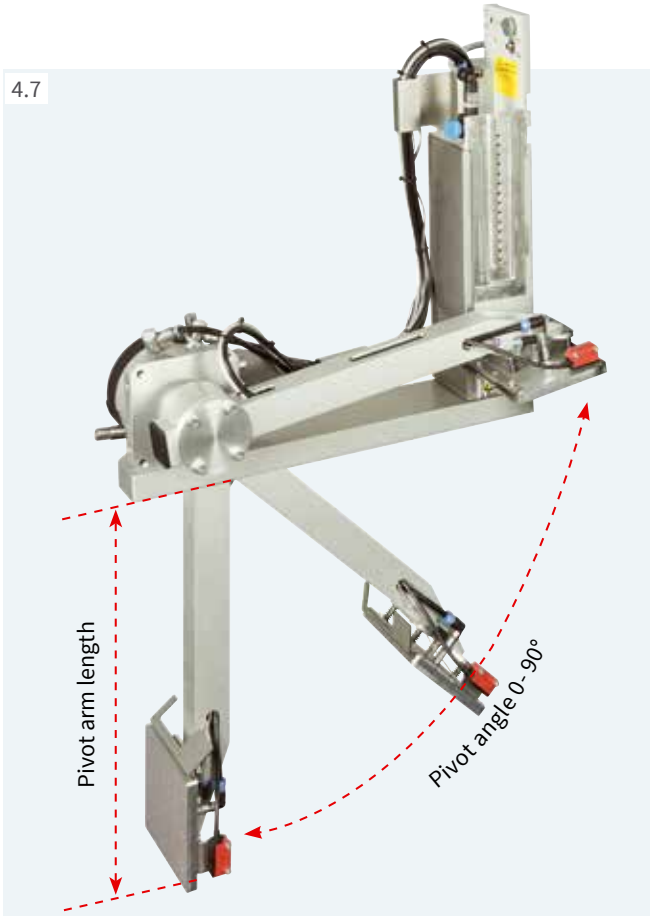
Package marking

Front side applicators 3014, 3016

for real-time labeling on packaging in motion.
The labels are preferably applied to the front or back.
Labeling from top or from the side is possible.

The pad is positioned in front of the peel-off plate. The label is held during printing. The rotary cylinder applies the label on the packaging. A sensor detects the packaging and, when labeling has finished, moves back the pivot arm and pad to their initial position.

4.7



Accessories

5.13 **Blow tube**

5.14 **Compressed air regulation unit**

Tamp pad
Labels are precisely tamped on plain surfaces, even recessed.

Tamp pad spring-mounted
The spring-mounted suction plate allows labeling on inclined surfaces up to 15°. Deviation in height in the area of the label may not exceed 10 mm.

Blow pad
With 5 to 10 mm distance to the product surface, air jet blows the labels onto the product.

			Tamp pad	Tamp pad spring-mounted	Blow pad
Technical data			**3014, 3016 L/R 1100**	**3014, 3016 L/R 3100**	**3014 L/R 2100**
Label width	HERMES Q4	mm	25 - 114	80 - 114	25 - 114
	HERMES Q6.3	mm	25 - 174	80 - 174	-
Label height	HERMES Q4	mm	8 - 250	80 - 250	10 - 100
	HERMES Q6.3	mm	25 - 250	80 - 250	25 - 100
Product during labeling		not in motion	■		
		in motion	■		
Product labeling		from top	■		
		from the side	■		
		from the front	■		
		from the back	■		
Product height		variable	■		
Pivot arm length[1]		mm	200 / 300 / 400		
Pivot angle			0 - 90°		
Compressed air		bar	4.5		
Cycle time[2]		approx. labels/min	15		

[1] Pivot arm length is defined as the accessible 90° label position (lower edge of the label) below the footprint of HERMES Q.
[2] Calculated with pivot arm length 200 mm, label height 100 mm, print speed 100 mm/s

Package marking

Stroke applicators 4014, 4016

for real-time labeling on packaging or products. Depending on the type of pad, the product is either in motion or not in motion during labeling. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. The stroke cylinder applies the label on the product. A sensor detects the product and moves back the pad to its initial position. The length of the stroke cylinder defines the maximum product distance to the peel-off plate.

4.8

Accessories

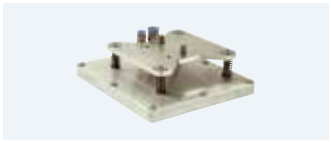
5.13 **Blow tube**

5.14 **Compressed air regulation unit**

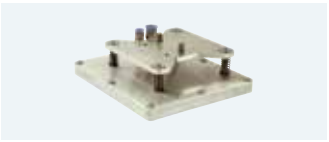
5.17 **Pressure reducing valve**

Tamp pad
Labels are precisely tamped on plain surfaces, even recessed.

Universal pad
Labels are tamped on plain surfaces. Holes to suck the labels are pre-drilled in gaps of 5 mm and are covered by a sliding foil. They are opened with a punching tool, according to the label size. Delivery includes two foils for substitution.



Tamp pad spring-mounted
The spring-mounted suction plate allows labeling on inclined surfaces up to 15°. Deviation in height in the area of the label may not exceed 10 mm.



Universal pad spring-mounted
The spring-mounted suction plate allows labeling on inclined surfaces up to 15°. Deviation in height in the area of the label may not exceed 10 mm. Holes to suck the labels are pre-drilled in gaps of 5 mm and are covered by a sliding foil. Delivery includes two foils for substitution.

			Tamp pad	Universal pad	Tam pad spring-mounted	Universal pad spring-mounted
Technical data			**4014, 4016 L/R 11 F**	**4014 L/R 1100**	**4014, 4016 L/R 3100**	**4014 L/R 3100**
Label width	HERMES Q4	mm	20 - 114	75 / 90	80 - 114	116 / 116
	HERMES Q6.3	mm	50 - 174	-	80 -174	-
Label height	HERMES Q4	mm	20 - 210	60 / 90	80 - 210	102 / 152
	HERMES Q6.3	mm	25 - 210	-	80 - 210	-
Product during labeling		not in motion	■			
Product labeling		from top	■			
		from below	■			
		from the side	■			
Product height		variable	■			
Product distance to lower edge of device at cylinder stroke 200		up to mm	135	135	130	130
300		up to mm	235	235	230	230
400		up to mm	335	335	330	330
Immersion depth pad F[1]		up to mm	120	–	–	–
Compressed air		bar	4.5			
Cycle time[2]		approx. labels/min	25			

[1] In case the applicator's immersion depth is more than 25 mm, the cover of HERMES Q has to be adapted.
[2] Calculated with stroke 100 mm below device, label height 100 mm, print speed 100 mm/s

Package marking

Stroke applicators 4014, 4016

for real-time labeling on packaging or products. Depending on the type of pad, the product is either in motion or not in motion during labeling. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. The stroke cylinder applies the label on the product. A sensor detects the product and moves back the pad to its initial position. The length of the stroke cylinder defines the maximum product distance to the peel-off plate.

4.8

Accessories

5.13 **Blow tube**

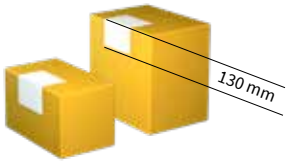
5.14 **Compressed air regulation unit**

5.17 **Pressure reducing valve**

Blow pad
for pressure sensitive surfaces or when products are in motion. Air jet blows the labels onto the product. 5 to 10 mm distance to the product surface are set with a stop on the stroke cylinder.

Roll-on pad
Labels are rolled on plain surfaces of the product during transport.

Corner-wrap pad
Labels are attached on two adjacent sides of the product. Half of the label is applied by the pad on the top side. Then the second half of the label is rolled on.



Technical data			Blow pad 4014 L/R 2100	Roll-on pad 4014, 4016 L/R 4100	Corner-wrap pad 4014 L/R 5100
Label width	HERMES Q4	mm	20 - 114	25 - 114	20 - 114
	HERMES Q6.3	mm	on request	50 - 174	-
Label height	HERMES Q4	mm	20 - 100	80 - 250	60 - 210
	HERMES Q6.3	mm	on request	80 - 250	-
Product during labeling		not in motion	■	-	■
		in motion	■	■	-
Product labeling		from top	■		
		from below	■	■	-
		from the side	■	■	-
Product height		fixed	■	-	-
		variable	-	■	■
Product distance to lower edge of device at cylinder stroke 200		up to mm	140	160	100
	300	up to mm	240	260	200
	400	up to mm	340	360	300
Compressed air		bar	4.5		
Cycle time[1)]		approx. labels/min	25	20	20

[1)] Calculated with stroke 100 mm below device, label height 100 mm, print speed 100 mm/s

Package marking

Stroke blow applicator 4614

for real-time labeling of packaging of different heights in motion. Labeling is possible from all sides.

The pad is positioned in front of the peel-off plate. The label is held during printing. Sensor controlled, the stroke cylinder moves the pad to a position approximately 10 mm above the packaging. The length of the stroke cylinder defines the maximum differences in height of the packages.

Accessories

5.13 **Blow tube**

5.14 **Compressed air regulation unit**

4.9

Blow pad
With 5 to 10 mm distance to the product surface, air jet blows the labels onto the product.

			Blow pad
Technical data			**4614 L/R 2100**
Label width	HERMES Q4	mm	20 - 114
	HERMES Q6.3	mm	on request
Label height	HERMES Q4	mm	20 - 100
	HERMES Q6.3	mm	on request
Product during labeling		not in motion	■
		in motion	■
Product labeling		from top	■
		from below	■
		from the side	■
Product height		fixed	■
		variable	■
Product distance to lower edge of device at cylinder stroke 200		up to mm	140
	300	up to mm	240
	400	up to mm	340
Compressed air		bar	4.5
Cycle time[1)]		approx. labels/min	25

[1)] Calculated with cylinder stroke 100 mm below device, label height 100 mm, print speed 100 mm/s

Package marking

Demand module 5114

for serial labeling of packaging in motion. The label position on the peel-off tongue is adjusted with the adjustable rewind assist roller. Labeling is possible from all sides.

During labeling, the next label is printed simultaneously. The conveyor belt speed has to be adapted to the print speed.

4.10

		Demand module
Technical data		**5114 L/R**
Label width HERMES Q4	mm	25 - 114
Label height	mm	25 - 250
Print line distance to peel-off plate	mm	400 - 600
Product during labeling	in motion	■
Product labeling	from top	■
	from below	■
	from the side	■
Product height	fixed	■
Product distance to lower edge of device	mm	80
Product speed	mm/s	must correspond to the print speed / 50 - 250 in steps of 25
Cycle time[1)]	approx. labels/min	60

[1)] Calculated with label height 100 mm, print speed 100 mm/s

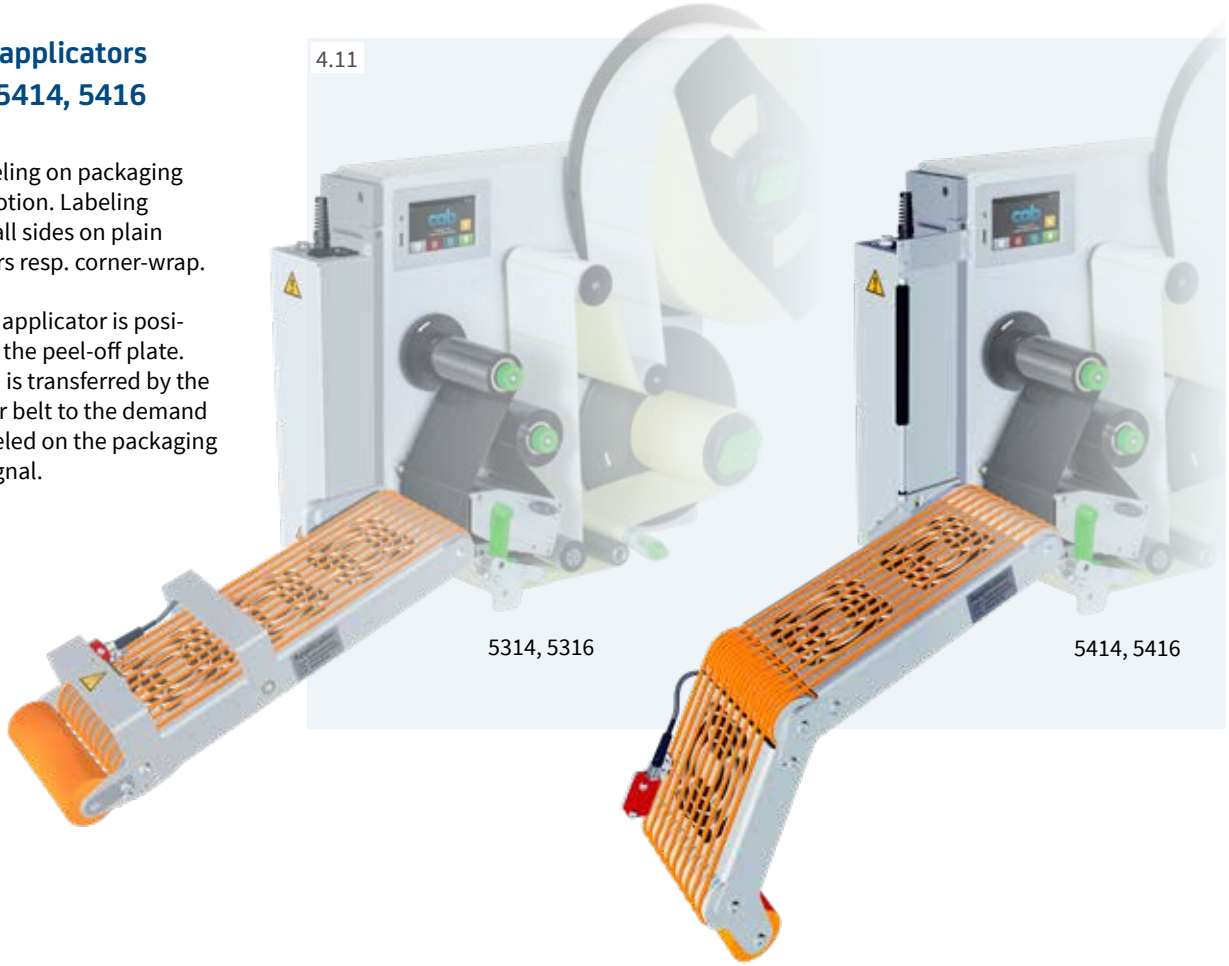
Package marking

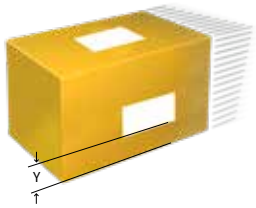
Vacuum belt applicators 5314, 5316, 5414, 5416

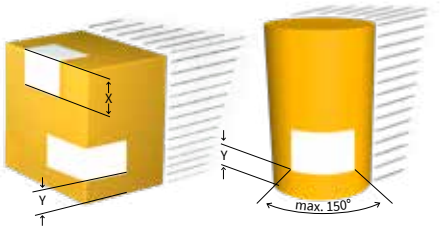
for real-time labeling on packaging or products in motion. Labeling is possible from all sides on plain surfaces, cylinders resp. corner-wrap.

The vacuum belt applicator is positioned in front of the peel-off plate. The printed label is transferred by the vacuum conveyor belt to the demand position and labeled on the packaging by an external signal.

4.11







			Vacuum belt applicator			
Technical data			**5314-3**	**5316-3**	**5414-3**	**5416-3**
Labeling			on the surface		on the surface, a cylinder or corner-wrap	
Direction of label demand			left and right			
Label width	HERMES Q4	mm	20 - 114	-	20 - 114	-
	HERMES Q6.3	mm	-	46 - 174	-	46 - 174
Label height		mm	60 - 356	60 - 356	80 - 356	80 - 356
Product during labeling		in motion	■			
Product labeling		from top	■			
		from below	■	■	-	-
		from the side	■			
Product height		fixed	■		■	
		variable	-		■	
Product speed		up to m/s	0.5	0.5	0.3	0.3
Gap between products		min. m	0.5			
Stability on application level			-	-	F[1] = 30 N	F[1] = 30 N
Corner-wrap labeling		up to mm	-	-	dimension X = 160	dimension X = 160
Vacuum conveyor belt speed[2]		mm/s	100 - 500	100 - 500	100 - 300	100 - 300
Cycle time[3]		up to labels/min	30	30	15	15
Label distance to conveyor belt when labeling from the side		mm	dimension Y = 20			

[1] F = force required to swing the vacuum conveyor belt
[2] The product speed must be equal or higher than the vacuum conveyor belt speed.
[3] Calculated with label height 100 mm, print speed 250 mm/s

Package marking

Air jet box 6114

for fast labeling in motion or not in motion. The labels are sucked by a fan and blown off by a powerful blast of air through aligned nozzles. The maximum distance from the packaging to the peel-off plate is 200 mm, depending on the label size.

4.12

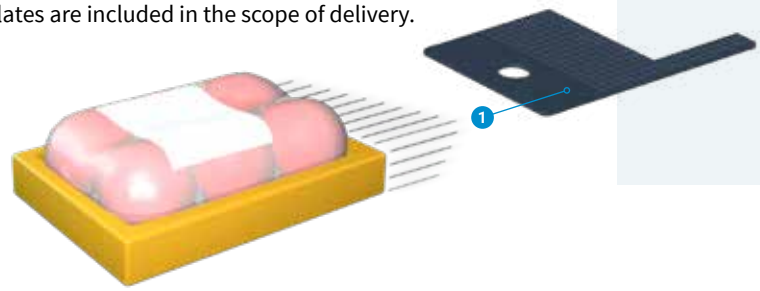
Accessories

5.13 **Blow tube**

5.16 **Compressed air regulation unit with shut-off valve**
for fully venting the hose lines after the compressed air regulation unit; provided as left hand or right hand versions

1 Template
to cover the suction and air jet holes around the label

It is pre-scored in a hole pattern of 8 x 8 mm and can be easily adapted to the label size. By sliding in between the suction block and the slide bars, the area around the label is covered. Five templates are included in the scope of delivery.



		Air jet box
Technical data		**6114 L/R**
Label width HERMES Q4	mm	50 -114 smaller sizes on request
Label height	mm	50 -125 smaller sizes on request
Product during labeling	not in motion	■
	in motion	■
Product labeling	from top	■
	from below	■
	from the side	■
Product height	variable	■
Product distance to peel-off plate	up to mm	200
Compressed air	bar	4.5 - 6
Cycle time[1)]	up to labels/min	100

[1)] Calculated with label height 50 mm, print speed 250 mm/s, blowing time 100 ms and a distance of 100 mm from the product to the peel-off plate

Overview of accessories

■ standard ☐ option

Pos.	HERMES Q accessories	1.1 HERMES Q2	1.2 HERMES Q4	1.3 HERMES Q6.3
2.1	SD memory card 8 GB	☐	☐	☐
2.2	USB memory stick 8 GB	☐	☐	☐
2.3 2.4	USB WLAN sticks	☐	☐	☐
2.5	USB Bluetooth adapter	☐	☐	☐
2.6	Product sensor, 3 pin	-	☐	-
2.7	Product sensor, 25 pin	☐	☐	☐
2.8	2-Port Ethernet Switch 10/100 Mbit/s	☐	☐	☐
2.9	I/O interface connector SUB-D, 25 pin	☐	☐	☐
2.10	Warning light (in preparation)	☐	☐	☐
2.11	Print rollers DRS	☐	☐	☐
2.12	Antistatic brush	☐	☐	-
2.13	Margin stop	☐	☐	☐
2.14	External operation panel	☐	☐	☐
	Connecting cable USB	☐	☐	☐
2.15	Label selection - I/O box	☐	☐	☐
2.16	Hand switch TR2	☐	☐	☐
2.17	Foot switch	☐	☐	☐
2.18	Connecting cable RS232 C	☐	☐	☐
2.19	Barcode tester CC200	☐	☐	☐
	Options (assembly ex factory)			
3.1	Cover	☐	☐	☐
3.2	Extended peel-off plate +10 mm	☐	☐	☐
	Assembly aids			
6.1	Adapter plate	☐	☐	☐
6.2	Profiles 40, 80, 120 mm	☐	☐	☐
6.3	Base plate 500 x 255 mm	☐	☐	-
6.4	Mounting plate	☐	☐	☐
6.5	Bracket	☐	☐	☐
6.6	Clamped joint for profile 50 x 50 mm	☐	☐	☐
6.7	Flanged joint for profile 50 x 50 mm	☐	☐	☐
6.8	Floor stand 1601	☐	☐	☐
6.9	Floor stand 1602	☐	☐	☐

Pos.	Applicator accessories	4.1 3214	4.2 4114 4116	4.3 4214	4.4 4414	4.5 4514	4.6 4712	4.7 3014 3016	4.8 4014 4016	4.9 4614	4.12 6114
5.13	Blow tube	■	■	■	■	■	■	■	■	■	■
5.14	Compr. air regulation unit	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5.16	Compr. air regulation unit with shut-off valve	-	-	-	-	-	-	-	-	-	■
5.17	Pressure reducing valve	-	☐	☐	☐	-	-	-	☐	-	-

HERMES Q accessories

2.1		**SD memory card** 8 GB
2.2		**USB memory stick** 8 GB
2.3		**USB WLAN stick** 2.4 GHz 802.11b/g/n Hotspot or Infrastructure Mode
2.4		**USB WLAN stick with a rod antenna** for extended reach 2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac Hotspot or Infrastructure Mode
2.5		**USB Bluetooth adapter**
2.6		**Product sensor, 3 pin** to connect a front side applicator, vacuum belt applicator or air jet box. In case a product has been detached, e.g. on a conveyor belt, labeling is started.
2.7		**Product sensor, 25 pin** In case a product has been detached, e.g. on a conveyor belt, labeling is started.
2.8		**2-Port Ethernet Switch 10/100 Mbit/s**
2.9		**I/O interface connector SUB-D, 25 pin** with clamping screws to connect all control signals to the I/O interface
2.10		**Warning light** in preparation In addition to the display, it indicates the printer status. Red Collective error Yellow Pre-warning to labels and ribbon ending Green Device ready Delivery includes a connecting cable and material to assemble to the chassis or a bracket. USB connection to HERMES Q Connecting cable, length 1 m 1 Assembly to the chassis 2 Assembly to the bracket

2.11		**Print rollers DRS** Coating: silicone They have an extra long service life at a higher imprint tolerance.
2.12		**Antistatic brush** Particularly with plastic materials the electrostatic charge is discharged after printing.
2.13		**Margin stop** to guide 10 to 24 mm wide label rolls
2.14	 	**External operation panel** If the operation panel is not accessible after printer installation, an external one can be additionally connected.
		Connecting cable USB, length 1.8 m
		Connecting cable USB, length 3 m
		Connecting cable USB, length 5 m
		Connecting cable USB, length 11 m
		Connecting cable USB, length 16 m
2.15		**Label selection - I/O box** Up to 16 different labels can be selected from a memory card by a master control, e.g. PLC.
2.16		**Hand switch TR2** on the I/O interface
2.17		**Foot switch** on the I/O interface
2.18		**Connecting cable RS232 C** 9/9 pin, length 3 m
2.19		**Barcode tester CC200** on request

Options (assembly ex factory)

3.1		**Cover** suitable for label roll outside diameters up to 205 mm. It protects from dirt and contact. In case the applicators's immersion depth succeeds 25 mm, the cover must be adapted.
3.2		**Extended peel-off plate** in case labels are hard to remove

HERMES Q assembly aids

6.1
6.2
6.3

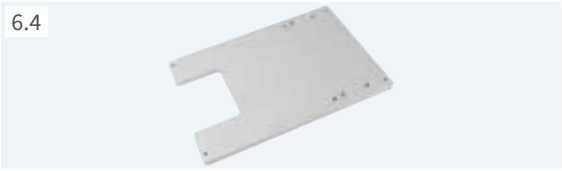
Mounting foot
to install HERMES Q on a desk or in a production line;
provided as left hand and right hand versions

The size of the mounting foot can be adapted to the application.

1 **Adapter plate**
The labeling system is assembled to the adapter plate.
It may also be assembled with the adapter plate to the profile directly in the production line.

2 **Profile**
Aluminum square profile, standard lengths are 40, 80, 120 mm;
customized lengths are possible

3 **Base plate**
to assemble the product holder; standard size is 500 x 255 mm

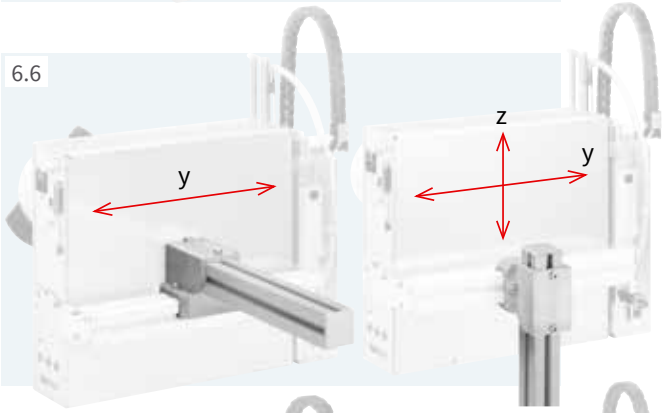


6.4

Mounting plate
to assemble HERMES Q directly in a production line

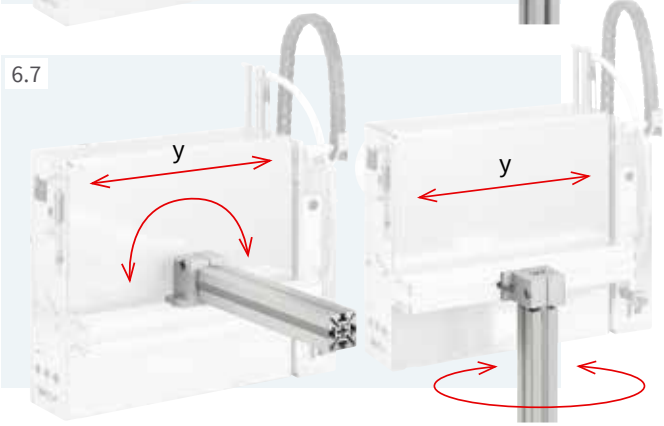
6.5

Bracket
to assemble HERMES Q to a floor stand



6.6

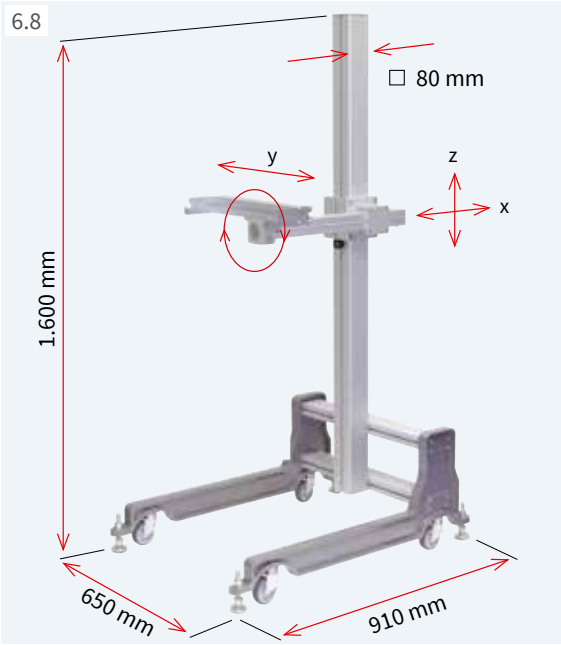
Clamped joint for profile 50 x 50 mm
to move the labeling system horizontally and vertically



6.7

Flanged joint for profile 50 x 50 mm
to move the labeling system horizontally or rotate around an axis

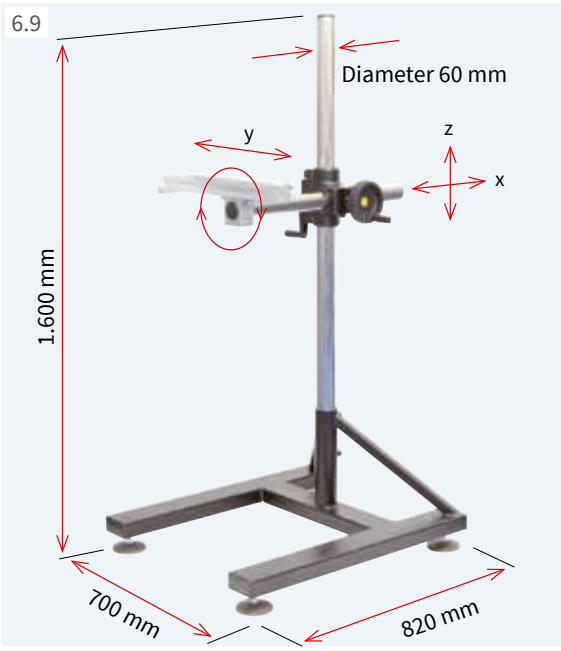
HERMES Q floor stands



To install HERMES Q in a production line. With the help of adjustment options, it can be set in three axes to the product that has to be labeled. Pivoting is also possible.

Floor stand 1601
Preferred use is with applications in different production lines. The mobile floor stand can be aligned with adjustable feet at the place of application.

		Floor stand
Technical data		**1601**
Base frame		Castors, adjustable feet
Height and depth setting		Screw clamping
Load in case of 500 mm offset	up to kg	50
Weight	kg	36

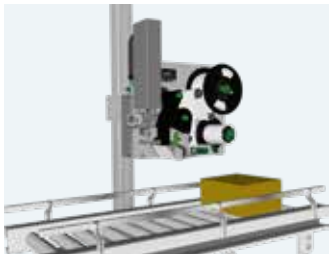


Floor stand 1602
Preferred use is with applications in which the heights and depths of the labeling position have to be changed frequently. With the help of the toothed rack construction, HERMES Q can be set in directions x and z to the product.

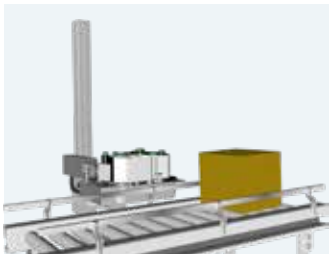
		Floor stand
Technical data		**1602**
Base frame		Adjustable feet
Height setting Depth setting		Toothed rack / crank Toothed rack / handwheel
Load in case of 500 mm offset	up to kg	50
Weight	kg	38

Examples of how to assemble to a stand

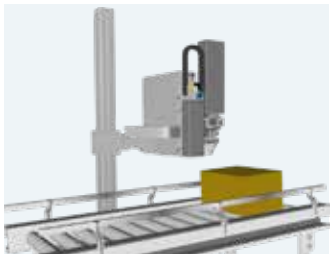
Labeling in direction of transport
from top



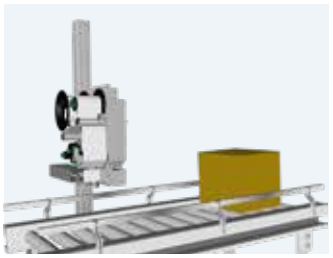
from the side



Labeling crosswise the direction of transport
from top



from the side



Applicator accessories

5.13

Blow tube
supporting air. To assist the label transfer, the label is blown from below to the pad.

Provided for 2", 4" or 6" label applications

5.14

Compressed air regulation unit
for compressed air preparation; 4.5 bar default setting

Provided as left hand or right hand version

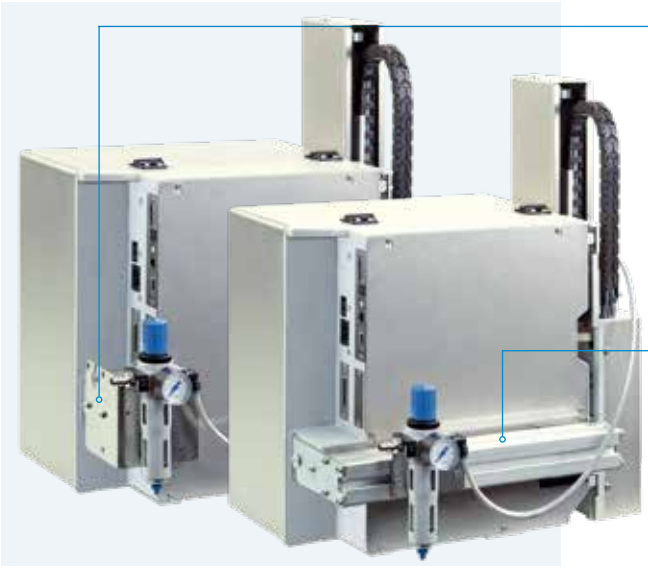
Delivery includes a fine filter, pressure control valve, pressure display, a hose to be connected to the applicator's compressed air input and material to assemble to the chassis or bracket.

5.17

Pressure reducing valve
to reduce the pressure of the stroke cylinder contacting the product

For applicators 4014/4016, 4114/4116, 4214, 4414

Examples of how to assemble a compressed air regulation unit



Regulation unit assembly
with material to attach to the chassis

Regulation unit assembly
with material to attach to the bracket

Delivery program HERMES Q

Pos.		Part no.	Label printers L	Part no.	Print heads	dpi	Part no.	Print rollers	Part no.	Draw rollers
1.1		**6010001** **6010002**	Label printer HERMES Q2L/300-2S Label printer HERMES Q2L/600-2S	**5977384.001** **5977385.001**	Print head 2 Print head 2	300 600	**5954102.001**	Print roller DR2	**5961015.001**	Draw roller ZR2
		6010003 **6010004**	Label printer HERMES Q2L/300-2 Label printer HERMES Q2L/600-2	**5977384.001** **5977385.001**	Print head 2 Print head 2	300 600	**5954102.001**	Print roller DR2	**5961015.001**	Draw roller ZR2
1.2		**6010005** **6010006** **6010007** **6010008**	Label printer HERMES Q4L/300-2 Label printer HERMES Q4L/600-2 Label printer HERMES Q4.3L/200-2 Label printer HERMES Q4.3L/300-2	**5977444.001** **5977380.001** **5977382.001** **5977383.001**	Print head 4 Print head 4 Print head 4.3 Print head 4.3	300 600 200 300	**5954180.001**	Print roller DR4	**5961298.001**	Draw roller ZR4
1.3		**6010009** **6010010**	Label printer HERMES Q6.3L/200-2 Label printer HERMES Q6.3L/300-2	**5977386.001** **5977387.001**	Print head 6.3 Print head 6.3	200 300	**5954245.001**	Print roller DR6	**5961220.001**	Draw roller ZR6
1.1		**6010011** **6010012**	Label printer HERMES Q2L/300-3 Label printer HERMES Q2L/600-3	**5977384.001** **5977385.001**	Print head 2 Print head 2	300 600	**5954102.001**	Print roller DR2	**5961015.001**	Draw roller ZR2
1.2		**6010013** **6010014** **6010015** **6010016**	Label printer HERMES Q4L/300-3 Label printer HERMES Q4L/600-3 Label printer HERMES Q4.3L/200-3 Label printer HERMES Q4.3L/300-3	**5977444.001** **5977380.001** **5977382.001** **5977383.001**	Print head 4 Print head 4 Print head 4.3 Print head 4.3	300 600 200 300	**5954180.001**	Print roller DR4	**5961298.001**	Draw roller ZR4
1.3		**6010017** **6010018**	Label printer HERMES Q6.3L/200-3 Label printer HERMES Q6.3L/300-3	**5977386.001** **5977387.001**	Print head 6.3 Print head 6.3	200 300	**5954245.001**	Print roller DR6	**5961220.001**	Draw roller ZR6
Pos.		**Part no.**	**Label printers L**	**Part no.**	**Print heads**	**dpi**	**Part no.**	**Print rollers**	**Part no.**	**Draw rollers**
1.1		**6010021** **6010022**	Label printer HERMES Q2R/300-2S Label printer HERMES Q2R/600-2S	**5977384.001** **5977385.001**	Print head 2 Print head 2	300 600	**5954102.001**	Print roller DR2	**5961015.001**	Draw roller ZR2
		6010023 **6010024**	Label printer HERMES Q2R/300-2 Label printer HERMES Q2R/600-2	**5977384.001** **5977385.001**	Print head 2 Print head 2	300 600	**5954102.001**	Print roller DR2	**5961015.001**	Draw roller ZR2
1.2		**6010025** **6010026** **6010027** **6010028**	Label printer HERMES Q4R/300-2 Label printer HERMES Q4R/600-2 Label printer HERMES Q4.3R/200-2 Label printer HERMES Q4.3R/300-2	**5977444.001** **5977380.001** **5977382.001** **5977383.001**	Print head 4 Print head 4 Print head 4.3 Print head 4.3	300 600 200 300	**5954180.001**	Print roller DR4	**5961298.001**	Draw roller ZR4
1.3		**6010029** **6010030**	Label printer HERMES Q6.3R/200-2 Label printer HERMES Q6.3R/300-2	**5977386.001** **5977387.001**	Print head 6.3 Print head 6.3	200 300	**5954245.001**	Print roller DR6	**5961220.001**	Draw roller ZR6
1.1		**6010031** **6010032**	Label printer HERMES Q2R/300-3 Label printer HERMES Q2R/600-3	**5977384.001** **5977385.001**	Print head 2 Print head 2	300 600	**5954102.001**	Print roller DR2	**5961015.001**	Draw roller ZR2
1.2		**6010033** **6010034** **6010035** **6010036**	Label printer HERMES Q4R/300-3 Label printer HERMES Q4R/600-3 Label printer HERMES Q4.3R/200-3 Label printer HERMES Q4.3R/300-3	**5977444.001** **5977380.001** **5977382.001** **5977383.001**	Print head 4 Print head 4 Print head 4.3 Print head 4.3	300 600 200 300	**5954180.001**	Print roller DR4	**5961298.001**	Draw roller ZR4
1.3		**6010037** **6010038**	Label printer HERMES Q6.3R/200-3 Label printer HERMES Q6.3R/300-3	**5977386.001** **5977387.001**	Print head 6.3 Print head 6.3	200 300	**5954245.001**	Print roller DR6	**5961220.001**	Draw roller ZR6

	Part no.	Label printers with options
	**xxxxxxx.201**	Label printer HERMES Q with a cover suitable for label roll diameters up to 205 mm
	xxxxxxx.202	Label printers HERMES Q4 and HERMES Q6.3 with automatic saving
	xxxxxxx.203	Label printers HERMES Q4 and HERMES Q6.3 with a cover and automatic saving suitable for label roll diameters up to 205 mm

xxxxxxx	Choose device from Pos. 1.1-1.3
on request	40 mm label roll core diameter capacity suitable for HERMES Q2 and HERMES Q4 Adapter for core diameter 50 mm

Type code			
Label printer HERMES Q			**4L/200-2**
Label width	58 mm	**2**	
	114 mm	**4**	
	174 mm	**6.3**	
Direction of label transfer	to the left	**L**	
	to the right	**R**	
Printable resolution	200 dpi	**200**	
	300 dpi	**300**	
	600 dpi	**600**	
for label roll outside diameters up to	205 mm	**2**	
for label roll outside diameters up to	305 mm	**3**	

Scope of delivery	
	Label printer HERMES Q Power cable Type E+F, length 1.8 m Connecting cable USB, length 1.8 m Assembly instructions DE/EN
DVD:	Assembly instructions DE/EN/FR Configuration manual DE/EN/FR Service manual DE/EN Spare parts list DE/EN Programming manual EN WHQL certified Windows printer drivers for Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10 Server 2008, Server 2008 R2, Server 2012, Server 2012 R2, Server 2016, Server 2019 Apple Mac OS X printer drivers DE/EN/FR Linux printer drivers DE/EN/FR Label software cablabel S3 Lite cablabel S3 Viewer Database Connector

Scopes of delivery, design and technical specifications correspond to the date of the printing. Subject to change. The data provided in the catalog do not represent any warranty or guarantee.

Information is also available on the Internet:
www.cab.de/en/hermesq

Delivery program of applicators L

Pos.		Part no.	Applicators L		Part no.	Transfer modules	
4.1		**5970075**	Swing applicator	3214L-40	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop Blow pad	3214L-11 F W x H 3214L-12 F W x H 3214L-61 F W x H 3214L-2100 W x H
4.2		**5966109** **5966110** **5966111**	Stroke applicator Stroke applicator Stroke applicator	4114L-200 4114L-300 4114L-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop Blow pad Form pad	4114L-11 F W x H 4114L-12 F W x H 4114L-61 F W x H 4114L-2100 W x H 4114L-8800 W x H
		5971795 **5972016** **5972017**	Stroke applicator Stroke applicator Stroke applicator	4116L-200 4116L-300 4116L-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop Form pad	4116L-11 F W x H 4116L-12 F W x H 4116L-61 F W x H 4116L-8800 W x H
4.3		**5966117** **5966118** **5966119**	Stroke turn applicator Stroke turn applicator Stroke turn applicator	4214L-200 4214L-300 4214L-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop Blow pad	4214L-11 F W x H 4214L-12 F W x H 4214L-61 F W x H 4214L-2100 W x H
4.4		**5966133** **5966134** **5966135**	Stroke applicator Stroke applicator Stroke applicator	4414L-200 4414L-300 4414L-400	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop	4414L-11 F W x H 4414L-12 F W x H 4414L-61 F W x H
4.5		**5971625** **5966168** **5971640**	Swing stroke applicator Swing stroke applicator Swing stroke applicator	4514L-200 4514L-300 4514L-400	**xxxxxxx**	Blow pad	4514L-2100 W x H
4.6		**5971815**	Flag applicator	4712L-300			
4.7		**5970100** **5970101** **5970102**	Front side applicator Front side applicator Front side applicator	3014L-200 3014L-300 3014L-400	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad spring-mounted Blow pad	3014L-1100 W x H 3014L-3100 W x H 3014L-2100 W x H
		5970103 **5970104** **5970105**	Front side applicator Front side applicator Front side applicator	3016L-200 3016L-300 3016L-400	**xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad spring-mounted	3016L-1100 W x H 3016L-3100 W x H
4.8		**5966101** **5966102** **5966103**	Stroke applicator Stroke applicator Stroke applicator	4014L-200 4014L-300 4014L-400	**5966147** **5966148** **5966149** **5966150**	Universal pad Universal pad Universal pad spring-mounted Universal pad spring-mounted	4014L-1100 75 x 60 4014L-1100 90 x 90 4014L-3100 116 x 102 4014L-3100 116 x 152
					xxxxxxx **xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Blow pad Tamp pad spring-mounted Roll-on pad Corner-wrap pad	4014L-11 F W x H 4014L-2100 W x H 4014L-3100 W x H 4014L-4100 W x H 4014L-5100 W x H / H
		5966161 **5966162** **5966163**	Stroke applicator Stroke applicator Stroke applicator	4016L-200 4016L-300 4016L-400	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad spring-mounted Roll-on pad	4016L-11 F W x H 4016L-3100 W x H 4016L-4100 W x H
4.9		**5971720** **5971725** **5971730**	Stroke blow applicator Stroke blow applicator Stroke blow applicator	4614L-200 4614L-300 4614L-400	**xxxxxxx**	Blow pad	4614L-2100 W x H
4.10		**5966144**	Demand module	5114L			
4.11		**5972730** **5972750**	Vacuum belt applicator Vacuum belt applicator	5314L-3 5316L-3			
		5972940 **5972920**	Vacuum belt applicator Vacuum belt applicator	5414L-3 5416L-3			
4.12		**5984810**	Air jet box 5 templates are included	6114L	**5984709.001**	Template (5 are included in a pack unit)	6114 L/R

xxxxxxx - user specific part no. following request

Delivery program of applicators R

Pos.		Part no.	Applicators R		Part no.	Transfer modules	
4.1		**5971655**	Swing applicator	3214R-40	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop Blow pad	3214R-11 F W x H 3214R-12 F W x H 3214R-61 F W x H 3214R-2100 W x H
4.2		**5966113** **5966114** **5966115**	Stroke applicator Stroke applicator Stroke applicator	4114R-200 4114R-300 4114R-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop Blow pad Form pad	4114R-11 F W x H 4114R-12 F W x H 4114R-61 F W x H 4114R-2100 W x H 4114R-8800 W x H
		5972018 **5972019** **5972020**	Stroke applicator Stroke applicator Stroke applicator	4116R-200 4116R-300 4116R-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop Form pad	4116R-11 F W x H 4116R-12 F W x H 4116R-61 F W x H 4116R-8800 W x H
4.3		**5966121** **5966122** **5966123**	Stroke turn applicator Stroke turn applicator Stroke turn applicator	4214R-200 4214R-300 4214R-400	**xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop Blow pad	4214R-11 F W x H 4214R-12 F W x H 4214R-61 F W x H 4214R-2100 W x H
4.4		**5966137** **5966138** **5966139**	Stroke applicator Stroke applicator Stroke applicator	4414R-200 4414R-300 4414R-400	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad with damping layer Tamp pad with label stop	4414R-11 F W x H 4414R-12 F W x H 4414R-61 F W x H
4.5		**5966950** **5971460** **5971700**	Swing stroke applicator Swing stroke applicator Swing stroke applicator	4514R-200 4514R-300 4514R-400	**xxxxxxx**	Blow pad	4514R-2100 W x H
4.7		**5970106** **5970107** **5970108**	Front side applicator Front side applicator Front side applicator	3014R-200 3014R-300 3014R-400	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad spring-mounted Blow pad	3014R-1100 W x H 3014R-3100 W x H 3014R-2100 W x H
		5970109 **5970110** **5970111**	Front side applicator Front side applicator Front side applicator	3016R-200 3016R-300 3016R-400	**xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad spring-mounted	3016R-1100 W x H 3016R-3100 W x H
4.8		**5966105** **5966106** **5966107**	Stroke applicator Stroke applicator Stroke applicator	4014R-200 4014R-300 4014R-400	**5966140** **5966141** **5966142** **5966143**	Universal pad Universal pad Universal pad spring-mounted Universal pad spring-mounted	4014R-1100 75 x 60 4014R-1100 90 x 90 4014R-3100 116 x 102 4014R-3100 116 x 152
					xxxxxxx **xxxxxxx** **xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Blow pad Tamp pad spring-mounted Roll-on pad Corner-wrap pad	4014R-11 F W x H 4014R-2100 W x H 4014R-3100 W x H 4014R-4100 W x H 4014R-5100 W x H / H
		5966165 **5966166** **5966167**	Stroke applicator Stroke applicator Stroke applicator	4016R-200 4016R-300 4016R-400	**xxxxxxx** **xxxxxxx** **xxxxxxx**	Tamp pad Tamp pad spring-mounted Roll-on pad	4016R-11 F W x H 4016R-3100 W x H 4016R-4100 W x H
4.9		**5971735** **5971740** **5971745**	Stroke blow applicator Stroke blow applicator Stroke blow applicator	4614R-200 4614R-300 4614R-400	**xxxxxxx**	Blow pad	4614R-2100 W x H
4.10		**5966145**	Demand module	5114R			
4.11		**5972740** **5972760**	Vacuum belt applicator Vacuum belt applicator	5314R-3 5316R-3			
		5972950 **5972930**	Vacuum belt applicator Vacuum belt applicator	5414R-3 5416R-3			
4.12		**5984800**	Air jet box 5 templates are included	6114R	**5984709.001**	Template (5 are included in a pack unit)	6114 L/R

xxxxxxx - user specific part no. following request

Delivery program of HERMES Q accessories

Pos.		Part no.	Accessories
2.1		**5977370**	SD memory card 8 GB
2.2		**5977730**	USB memory stick 8 GB
2.3		**5978912.001**	USB WLAN stick 2.4 GHz 802.11b/g/n
2.4		**5977731**	USB WLAN stick with a rod antenna 2.4 GHz 802.11b/g/n + 5 GHz a/n/ac
2.5		**5977732**	USB Bluetooth adapter
2.6		**5970071**	Product sensor, 3 pin
2.7		**5964300**	Product sensor, 25 pin
2.8		**6010520**	2-Port Ethernet Switch 10/100 Mbit/s
2.9		**5917651**	I/O interface connector SUB-D, 25 pin
2.10		**6010560**	Warning light in preparation
2.11		**5954978.001** **5954985.001** **5954979.001**	Print roller DRS2 Print roller DRS4 Print roller DRS6
2.12		**5961640.001** **5961642.001** **5961644.001** **5961646.001**	Antistatic brush 2L Antistatic brush 2R Antistatic brush 4L Antistatic brush 4R
2.13		**5961650**	Margin stop
2.14		**6010186** **5907718** **5907730** **5907750** **5907760** **5907765**	External operation panel Connecting cable USB, 1.8 m Connecting cable USB, 3 m Connecting cable USB, 5 m Connecting cable USB, 11 m Connecting cable USB, 16 m
2.15		**5948205**	Label selection - I/O box
2.16		**5955710**	Hand switch TR2
2.17		**5955711**	Foot switch
2.18		**5550818**	Connecting cable RS232 C 9/9 pin, length 3 m
2.19		on request	Barcode tester CC200

Pos.		Part no.	Options (assembly ex factory)
3.1		**6010500** **6010501** **6010502**	Cover 2L Cover 4L Cover 6L
		**6010503** **6010504** **6010505**	Cover 2R Cover 4R Cover 6R
3.2		on request	Extended peel-off plate HERMES Q2 Extended peel-off plate HERMES Q4 Extended peel-off plate HERMES Q6.3
Pos.		**Part no.**	**Assembly aids**
6.1		**5965940**	Adapter plate
6.2		on request	Profile (customer-specific length)
6.3		**5961203**	Base plate 500 x 255 mm
6.4		**5958400**	Mounting plate
6.5		**5955685**	Bracket
6.6		**8914443**	Clamped joint for profile 50 x 50 mm
6.7		**8914444**	Flanged joint for profile 50 x 50 mm
6.8		**5970113**	Floor stand 1601
6.9		**5970112**	Floor stand 1602
Pos.		**Part no.**	**Label software**
7.6		Bundle **5588001** **5588100** **5588101** **5588150** **5588151** **5588152** **5588002** **5588105** **5588106** **5588155** **5588156** **5588157** in preparation	cablabel S3 Lite (Download at cab.de/en) cablabel S3 Pro, 1 WS cablabel S3 Pro, 5 WS cablabel S3 Pro, 10 WS cablabel S3 Pro, 1 additional licence cablabel S3 Pro, 4 additional licences cablabel S3 Pro ,9 additional licences cablabel S3 Print, 1 WS cablabel S3 Print, 5 WS cablabel S3 Print, 10 WS cablabel S3 Print ,1 additional licence cablabel S3 Print, 4 additional licences cablabel S3 Print, 9 additional licences cablabel S3 Print Server
7.10		**9008486**	Programming manual EN, printed copy

Delivery program of applicator accessories

Pos.		Part no.	Accessories
5.13		**5964277.001** **5964095.001** **5964614.001**	Blow tube 2“ Blow tube 4“ Blow tube 6“
5.14		**5955735** **5955736**	Compressed air regulation unit L Compressed air regulation unit R

Pos.		Part no.	Accessories
5.16		**5984805** **5984795**	Compressed air regulation unit L with shut-off valve for air jet box 6114L Compressed air regulation unit R with shut-off valve for air jet box 6114R
5.17		**596xxxx.212**	Pressure reducing valve

cab product overview

Label printers
MACH1, MACH2

Label printers
EOS 2

Label printers
EOS 5

Label printers
MACH 4S

Label printers
SQUIX 2

Label printers
SQUIX 4

Label printers
SQUIX 6.3

Label printer
A8+

Label printer
XD4T

Label printers
XC

Print and apply systems
HERMES Q

Print and apply systems
Hermes C

Tube labeling systems
AXON

Print modules
PX Q

Labels and ribbons

Label software
cablabel S3

Label dispensers
HS, VS

Labeling heads
IXOR

Marking lasers
XENO 4

Laser marking systems

For product information see **www.cab.de/en**

Germany
cab Produkttechnik GmbH & Co KG
Karlsruhe
Phone +49 721 6626 0
www.cab.de

France
cab Technologies S.à.r.l.
Niedermodern
Phone +33 388 722501
www.cab.de/fr

USA
cab Technology, Inc.
Chelmsford, MA
Phone +1 978 250 8321
www.cab.de/us

Mexico
cab Technology, Inc.
Juárez
Phone +52 656 682 4301
www.cab.de/es

Taiwan
cab Technology Co., Ltd.
Taipei
Phone +886 (02) 8227 3966
www.cab.de/tw

China
cab (Shanghai) Trading Co., Ltd.
Shanghai
Phone +86 (021) 6236 3161
www.cab.de/cn

China
cab (Shanghai) Trading Co., Ltd.
Guangzhou
Phone +86 (020) 2831 7358
www.cab.de/cn

South Africa
cab Technology (Pty) Ltd.
Randburg
Phone +27 11 886 3580
www.cab.de/za

cab // **820** distribution partners in more than **80** countries

YOUR LOCAL DEALER:

cab
we identify more