

Tampon printing machines  
Special machines construction  
Laser systems and automations

ORIGINAL

**TAMPOPRINT**

Germany

Zulu --  
feeding

Trocknung  
warm air drying



2000  
ACCESSORIES

CLICHES TAMPON ROLLERS & MORE

## Dear customers,

Tampoprint GmbH is the worldwide market leader for tampon printing machines and associated special machinery. In both these sectors we have a great number of reference machines available for demonstration. Our latest projects involve the development and marketing of laser systems and laser automations as well as further research into digital printing.

Permanent innovation has been our recipe for success for more than 40 years now!

This catalogue will show you our extensive product range. You won't find the contents listed. Instead we made up sections to allow for easy handling and assignment. All relevant information is given in the following pages.

## Where do you find us?

Our company headquarters are located directly at the Stuttgart-Zuffenhausen motorway exit.

**Our address is:**

**Tampoprint AG  
Lingwiesenstrasse 1  
70825 Korntal-Münchingen**

## How can you contact us?

**During business hours:**

**Monday to Thursday**      **8 am - 12.30 pm**  
   **1 pm - 4 pm**  
**Friday**                                **8 am - 12.30 pm**

**Switchboard:**

**Phone: +49 07150 928-0, Fax: +49 07150 928-400**

**Per internet:**

**<http://www.tampoprint.de>, e-mail: [info@tampoprint.de](mailto:info@tampoprint.de)**

# Info

---

## Do you prefer to order by phone?

Please call our spare parts and accessories sales department.  
We have a large number of products in stock that are immediately available.

**e-mail: [salesparts@tampoprint.de](mailto:salesparts@tampoprint.de)**

**Fax: 07150 928-425 / -434**

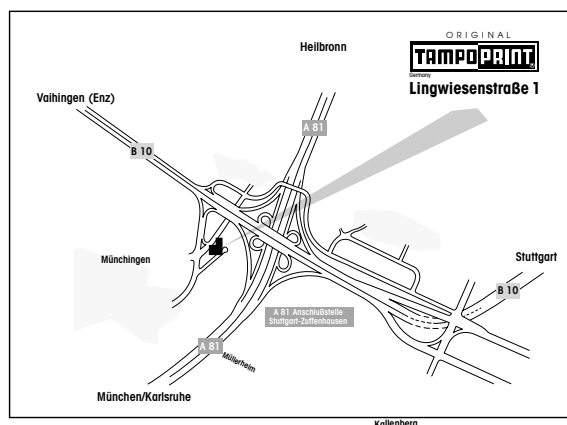
## Do you need technical support?

Our technical customer service will be glad to help you.  
Please call +49 7150 928-213 from 8 am to 4 pm.

## A summary of the above:

Do you have any questions? Are there any problems? Do you need additional information?

How to find us ...



by phone: +49 7150 928-0, by Fax: +49 7150 928-400, by  
e-mail: [info@tampoprint.de](mailto:info@tampoprint.de), via internet: [www.tampoprint.de](http://www.tampoprint.de), or call our local agencies.



# General

**Printer equipment**



**Designed for newcomers to tampon printing**

**Article no.: 14 10 00**

Cleaning set/small	14 10 01
Paper cups 0.22 l/50 pcs.	14 10 39
Paper cups 0.5 l/50 pcs.	14 10 38
Mixing spatula - metal -	14 21 73
Kleenex tissues	14 21 64
Acid-proof gloves/1 pair	14 12 07
Safety metering container	14 10 20
Metering container	14 10 22
Impression paper	
500 sheets/150 x 120 mm	14 21 70
Hand cream	14 11 13
Hand cleaning paste	14 11 09
RM detergent /10 x 1 l	12 04 01

**Cliché spray**



**Article no.: 14 11 10**  
 Contents: 0.5 l/530 g.

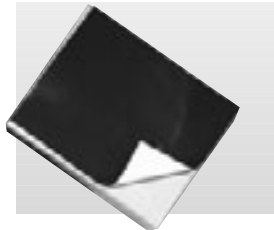
**Application:**  
 cleans the cliché, in particular for dried ink residue  
 - without CFC -

**Spatula**



**Article no.: 14 21 71**  
 Spatula width 20 mm, total length 310 mm  
**Article no.: 14 21 72**  
 Spatula width 50 mm, total length 200 mm

**Impression paper**



**Article no.: 14 21 70**  
 500 sheets, black-white

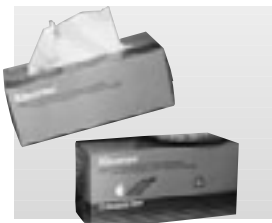
**Silicone adhesive**



**Article no.: 14 10 18**

Can be used to glue tampons to the mounting plate when loosened.  
 Contents 90 ml

**Kleenex cleaning tissues**



**Article no.: 14 21 64**

Lint-free cellulosic tissues, 200 sheets box

**Hand cleaning paste**



**Article no.: 14 11 09**

Tube contents 200 ml

**Hand cream**



**Article no.: 14 11 13**

"liquid gloves", contents 250 ml,  
 can be washed off with warm water

**Longlife oil**



**Article no.: 14 11 12**

increases the tampon service life  
 Contents approx. 450 gr.

**Textile gloves**



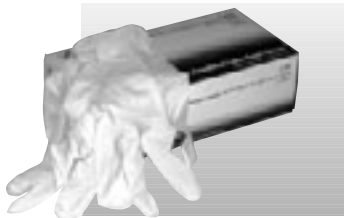
**Article no.: 14 10 45**

1 pair

# Accessories

## General accessories

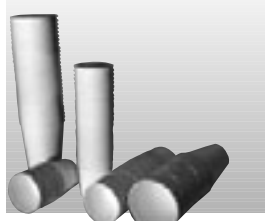
### Latex gloves



Article no.: 14 10 50

Box contents: 100 pairs

### Paper cups 0.22 l / 0.5 l



0.22 l

50 pcs. unit  
10 pcs. unit

Article no.:

14 10 39  
14 10 40

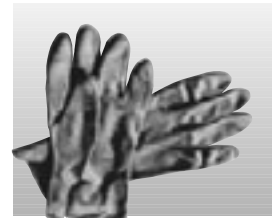
0.5 l

50 pcs. unit  
10 pcs. unit

Article no.:

14 10 38  
14 10 37

### Neopren gloves



Article no.: 14 12 07

1 pair, acid-proof, size 9 1/2

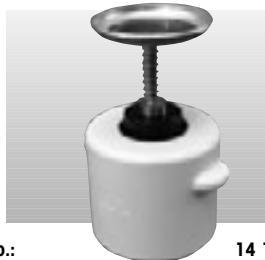
### Metering container



Article no.: 14 10 22

volume approx. 500 ml

### Safety metering container



Article no.: 14 10 51

approx. 1.5 l volume one-hand operation  
Reduces odors at the working place

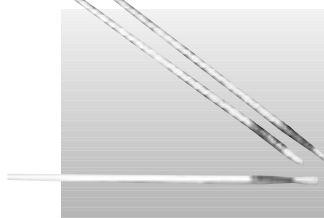
### Spraying bottle



Article no.: 14 10 16

volume approx. 500 ml

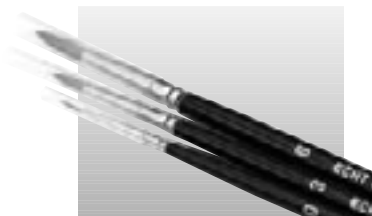
### Brushes



Article no.: 14 11 07

Size 12

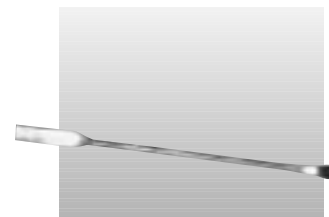
### Red martin brush



Size: Article no.:

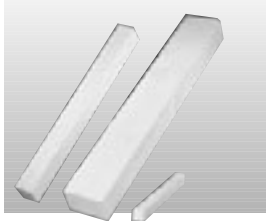
Size 0 14 11 04  
Size 3 14 11 05  
Size 6 14 11 06

### Metal mixing spatula



Article no.: 14 21 73

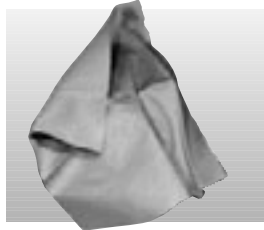
**Oil lapping stones**



**Size:**  
 380 x 60 x 40 mm  
 290 x 30 x 30 mm  
 150 x 16 x 16 mm

**Article no.:**  
 14 22 01  
 14 21 68  
 14 21 67

**Antistatic tissue**



**Article no.:** 14 10 48

**Spare ink cup**



**Article no.:** 14 10 15

volume approx. 500 ml  
 Lid with integrated seal

**RM detergent**



**Contents:**  
 30 l  
 1 l

**Article no.:**  
 12 94 01  
 12 04 01

**Test pens (surface tension)**



**Article no.:**  
 38 MN/M 14 10 03  
 Set with 3 test pens 40-42-44 MN/M 14 10 47

**Cleaning set**



**Article no.:** 14 10 01

Outer dimensions w 55 x d 48 X h 18.5 cm

integrated drain cock  
 should the detergent ignite, the lid closes automatically due to a bi-metal contact.

Full level: approx. 10 l detergent

**Double-sided adhesive foil**



**Article no.:** 14 11 40

Roll with approx. 4.5 m  
 width 310 mm, thickness 0.2 mm

**Working light**



**Article no.:** 29 38 90

Can be mounted to the tampon printing machine, socket connection. Enhanced illumination at the machine.

**Technical data:**  
 Length/width/height 230 x 34 x 41 mm  
 including current-saving Dulux tube: 9 W = 60 W

**Spare tube**  
**Article no.:** 23 38 87

Cliché manufacturing  
Cliché production

**Exposure unit**



Article no.:

14 22 03

Maximum exposure area 350 x 550 mm, with vacuum suction  
Outer dimension: h 140 X w 750 X d 640 mm  
10 UV tubes à 30 watts, 220 volts connection

**Exposure unit**



Article no.:

44 00 01

Maximum exposure area 350 x 150 mm, without vacuum suction  
Outer dimension: h 110 x w 500 x d 340 mm  
4 UV tubes à 15 watts, 220 volts connection  
Half-tone blocks are only partly possible.

**Exposure unit**

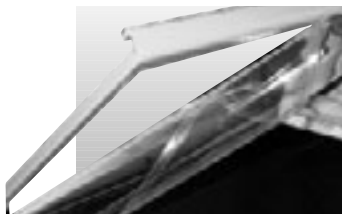


Article no.:

14 21 97

Maximum exposure area 250 x 350 mm, with vacuum suction  
Outer dimension: h 135 x w 505 x d 520 mm  
6 UV tubes à 30 watts, 220 volts connection

**Spare foil**

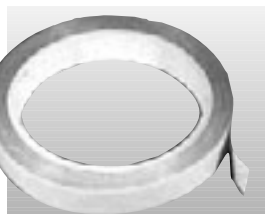


Article no.:

14 22 12

for exposure units with vacuum suction, 500 x 650 mm

**Double-sided adhesive tape**



Article no.:

14 11 42

double-sided adhesive tape, heat resistant, to secure the foils

5 m

**UV tubes**



Article no.:

14 22 10

UV tubes, 30 watts, for exposure units with vacuum suction

### Screen films (examples)



#### **screen 120 / 86%**

<b>Size:</b>	<b>Article no. :</b>
200 x 250 mm	<b>31 00 16</b>
200 x 500 mm	<b>31 00 17</b>

for Aqua-Nylo-and Magnet Screen clichés, depth approx. 40 m $\mu$

---

#### **screen 100 / 86%**

<b>Size:</b>	<b>Article no. :</b>
200 x 250 mm	<b>31 00 27</b>
200 x 500 mm	<b>31 00 28</b>

for Aqua-Nylo-and Magnet Screen clichés, depth approx. 48 - 50 m $\mu$

---

#### **screen 120 / 70%**

<b>Size:</b>	<b>Article no. :</b>
200 x 250 mm	<b>38 00 16</b>
200 x 500 mm	<b>38 00 26</b>

for Magnet Screen clichés, depth approx. 30 m $\mu$

---

#### **screen 80 / 80%**

<b>Size:</b>	<b>Article no.:</b>
200 x 250 mm	<b>31 00 23</b>
200 x 500 mm	<b>31 00 24</b>

for Aqua-Nylo-and Magnet Screen clichés, depth approx. 60 - 70 m $\mu$

---

#### **screen 80 / 80%**

<b>Size:</b>	<b>Article no.:</b>
200 x 250 mm	<b>44 00 09</b>

for Record Special clichés, depth depending on etching time

---

#### **screen 54 / 80%**

<b>Size:</b>	<b>Article no.:</b>
200 x 250 mm	<b>31 00 25</b>
200 x 500 mm	<b>31 00 26</b>

for Aqua-Nylo-and Magnet Screen clichés, depth approx. 88 - 90 m $\mu$

---

Etching depths refer to a 4 minutes exposure time with our exposure units.

## ***Film mounting foils***



### **open printing system**

<b>Format:</b>	<b>Article no.:</b>
200 x 500 mm	<b>31 00 39</b>
Millimeter foil	

### **sealed printing system**

<b>Cliché format:</b>		<b>Article no.:</b>
60 x 105 mm	packing unit with 10 pcs.	<b>44 40 01</b>
70 x 140 mm	packing unit with 10 pcs.	<b>44 40 02</b>
100 x 215 mm	packing unit with 10 pcs.	<b>44 40 03</b>
150 x 300 mm	packing unit with 10 pcs.	<b>44 40 04</b>
160 x 350 mm	packing unit with 10 pcs.	<b>44 40 05</b>
220 x 500 mm	packing unit with 10 pcs.	<b>44 40 06</b>

Punching corresponds to the hole pattern of our foil clichés

## ***Film mounting plates***



### **open printing system**

<b>Format:</b>	<b>Article no.:</b>
200 x 500 mm	<b>31 00 05</b>

Punching corresponds to the hole spacing of our foil clichés, including 4 registration pins

### **sealed printing system**

<b>Cliché format:</b>		<b>Article no.:</b>
60 x 105 mm		<b>44 10 61</b>
70 x 140 mm		<b>44 14 71</b>
100 x 215 mm		<b>44 10 23</b>
150 x 300 mm		<b>44 30 16</b>
160 x 350 mm		<b>44 30 17</b>
220 x 500 mm		<b>44 30 18</b>

With 4 registration pins, engraved crosshairs to determine the tampon contact point and engraved auxiliary circle (maximum print image diameter)

### *R 241 washing agent*

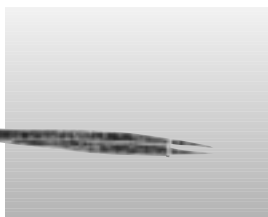


Article no.: 31 00 20

for Magnet Screen clichés, contents 20 ltr

---

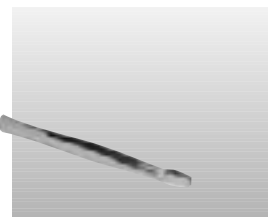
### *Film tweezers, pointed head*



Article no.: 14 11 62

---

### *Film tweezers, flat head*



Article no.: 44 00 13

---

### *Red martin brush, 0/3/6*



Article no.:

Brush size 0 14 11 04  
Brush size 3 14 11 05  
Brush size 6 14 11 06

---

### *Magnifying glass*

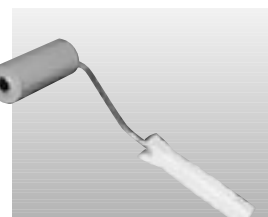


Article no.:

31 00 36

---

### *Film cleaning roller*



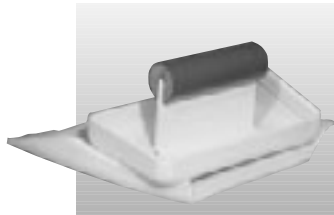
Article no.:

14 21 63

removes dust and lint from the film layout, silicone roller, width 100 mm, diameter 40 mm

---

***Plush holder and plush material***

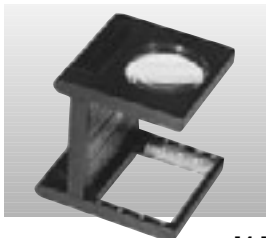


**Article no.:**

Plush holder **31 00 14**  
 Plush material **31 00 15**

to wash out the Magnet Screen and Aqua-Nylo-clichés

***Film magnifying glass***



**Article no.:** **14 10 49**

for precise film layouts and cliché positioning

***Hot-air drier***



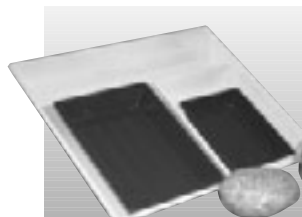
**Article no.:** **31 00 29**

***Goggles***



**Article no.:** **44 00 07**

***Washout tray without lid***



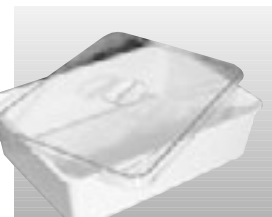
**Article no.:** **44 00 03**  
 Useable area 130 x 180 mm, height 40 mm

**Article no.:** **44 00 04**  
 Useable area 180 x 240 mm, height 50 mm

**Article no.:** **44 00 11**  
 Useable area 180 x 260 mm, height 50 mm

**Article no.:** **44 00 12**  
 Useable area 410 x 500 mm, height 60 mm

***Washout tray with lid***



**Article no.:** **31 00 18**

Useable area 200 x 300 mm, height 110 mm

### *Record developer*



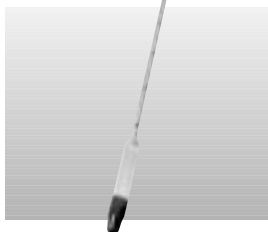
Article no.: 44 00 06  
Contents: 1 l

### *Ferric chloride powder*



Article no.: 44 00 05  
approx. 350 g, sufficient for 1 l of water,  
makes up 1 l of etching liquid

### *Aerometer*



Article no.: 44 00 14  
acid density testing

### *Covering varnish*



Article no.: 14 12 02  
1 l bottle, retouching of faulty spots prior to etching

## **Pay attention !!**

**Do not mix the etching liquid directly in the etching unit as the heat arising might damage the unit. Only use the supplied PVC bucket. It is imperative to comply with the safety instructions when handling etching liquids!**

### *Etching unit with magnetic plate*



Article no.: 44 00 02  
maximum cliché size: 100 x 250 mm  
Filling quantity: 5 l etching liquid ( ferric chloride )  
Outer dimensions: h 145 x w 300 x d 500 mm  
Connection: 220 V

The etching liquid can be mixed in the supplied PVC bucket ( 5 l ).

### *Spray etching unit with magnetic plate*



Article no.: 44 01 01  
maximum cliché size: 360 x 600 mm  
Filling quantity: 12 l etching liquid ( ferric chloride )  
Outer dimensions: h 750 x w 550 x d 570 mm  
Connection: 220 V

In addition, the cliché must be secured to the magnetic plate by a PP adhesive tape !

The etching liquid can be mixed in the supplied PVC bucket ( 5 l ).

# Cliché production Basic equipment examples

# Cliché

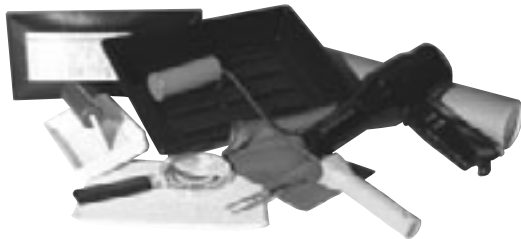
## for the production of Record Special clichés

Quantity	Designation	Article no.
1	UV exposure unit	14 21 97
1	foam etching unit with magnetic plate	44 00 02
1	developer / 1l.	44 00 06
5	ferric chloride / à approx. 355 g for 1 l of water	44 00 05
1	coating remover / 1l	12 04 01
1	acid-proof gloves	14 12 07
1	textile gloves	14 10 45
1	goggles	44 00 07
1	magnifying glass	31 00 36
1	film tweezers	44 00 13
2	washout trays	44 00 03
1	film cleaning roller	14 21 63
1	antistatic tissue	14 10 48
1	hot air blower	31 00 29
1	covering varnish / 1l	14 12 02
1	red martin brush size 0	14 11 04
1	red martin brush size 3	14 11 05
1	red martin brush size 6	14 11 06
1	areometer	44 00 14
1	screen film	44 00 09
1	Record cliché pack with 10 pcs.	



## for the production of Aqua Nylo clichés

Quantity	Designation	Article no.
1	exposure unit	14 21 97
1	magnifying glass	31 00 36
1	film tweezers	44 00 13
1	industrial hot-air drier	31 00 29
1	plush holder	31 00 14
1	plush material	31 00 15
1	film cleaning roller	14 21 63
1	pair of textile gloves	14 10 45
1	antistatic tissue	14 10 48
1	washout trays	44 00 04
1	Aqua Nylo cliché pack with 10 pcs.	
1	screen film / size and screen depending on cliché size and print image	



## for the production of Magnet Screen clichés

1	exposure unit - max. cliché size 270 x 350 mm	14 21 97
1	washing agent - 20 l.	31 00 20
1	washout tray with lid	31 00 18
1	magnifying glass	31 00 36
1	film tweezers	44 00 13
1	industrial hot-air drier	31 00 29
1	plush holder	31 00 14
1	plush material	31 00 15
1	goggles	44 00 07
1	film cleaning roller	14 21 63
1	pair of textile gloves	14 10 45
1	antistatic tissue	14 10 48
1	Magnet Screen cliché pack with 10 pcs.	
1	screen film / size and screen depending on cliché size and print image	



# Doctor blades

# Doctor blades

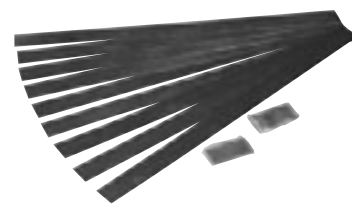
## Doctor blades - thickness 0.5 mm

Thickness x Width x Length	Packing size	Article no.
0.5 x 20 x 40 mm	10 pcs.	47 10 50
0.5 x 20 x 52 mm	10 pcs.	17 20 52
0.5 x 20 x 60 mm	10 pcs.	47 70 75
0.5 x 20 x 70 mm	10 pcs.	47 10 80
0.5 x 20 x 80 mm	10 pcs.	47 11 00
0.5 x 20 x 95 mm	10 pcs.	47 21 00
0.5 x 20 x 102 mm	10 pcs.	17 21 02
0.5 x 20 x 110 mm	10 pcs.	47 11 25
0.5 x 20 x 128 mm	10 pcs.	17 21 28
0.5 x 20 x 130 mm	10 pcs.	47 13 02
0.5 x 20 x 140 mm	10 pcs.	17 21 40
0.5 x 20 x 150 mm	10 pcs.	47 21 60
0.5 x 20 x 170 mm	10 pcs.	47 11 90
0.5 x 20 x 180 mm	10 pcs.	47 12 01
0.5 x 20 x 190 mm	10 pcs.	47 22 00
0.5 x 20 x 200 mm	10 pcs.	17 22 00
0.5 x 20 x 230 mm	10 pcs.	47 22 50
0.5 x 20 x 240 mm	10 pcs.	47 12 60
0.5 x 20 x 260 mm	10 pcs.	17 22 60
0.5 x 20 x 285 mm	10 pcs.	47 23 00
0.5 x 20 x 300 mm	10 pcs.	17 23 00
0.5 x 20 x 330 mm	10 pcs.	47 13 50
0.5 x 20 x 350 mm	10 pcs.	17 23 50
0.5 x 20 x 380 mm	10 pcs.	47 14 00
0.5 x 20 x 400 mm	10 pcs.	17 24 00
0.5 x 20 x 480 mm	10 pcs.	47 45 00
0.5 x 20 x 500 mm	10 pcs.	17 25 00
0.5 x 20 x 530 mm	10 pcs.	47 25 50
0.5 x 20 x 550 mm	10 pcs.	17 25 50
0.5 x 20 x 600 mm	10 pcs.	17 26 00
0.5 x 20 x 650 mm	10 pcs.	17 26 50
<hr/>		
0.5 x 25 x 650 mm	10 pcs.	17 40 01



## Gravure doctor blades - thickness 0.2 mm

Thickness x Width x Length	Article no.
0.2 x 20 x 1000 mm	17 91 02
0.2 x 25 x 1000 mm	17 91 04
0.2 x 30 x 1000 mm	17 91 03
0.2 x 20 x 10.000 mm	17 91 05
0.2 x 25 x 10.000 mm	17 91 07
0.2 x 30 x 10.000 mm	17 91 06



## Rotary printing doctor blades (special grinding)

Thickness x Width x Length	Article no.
0.3 x 20 x 1000 mm	17 91 08
0.3 x 20 x 5000 mm	17 91 09
<hr/>	
0.5 x 20 x 70 mm	47 60 50
0.5 x 20 x 128 mm	47 61 00
0.5 x 20 x 170 mm	47 61 50
0.5 x 20 x 230 mm	47 62 00
0.5 x 20 x 330 mm	47 63 00

# Special accessories

# Additional accessories

## RM detergent



Article no.:

1 l container	<b>12 04 01</b>
30 l container	<b>12 94 01</b>

**Application:**  
Detergent for printing accessories.  
Safety remarks: pages 7/8/9, 16, 29

## Air spray



Article no.:

**14 10 17**

Air spray - flat nozzle: w 24 mm  
Maxi hose: l 470 mm

**Application:**  
After having taken up the print image, the ink on the tampon is lightly blown (preliminary drying) enabling better ink transmission and quicker colour sequences with multicolour printing (higher output/pcs. per hour).

Warning: only use oil-free, prefiltered compressed air.

Filter und regulator unit **23 86 28**

### Accessories for a. m. air spray:

Air shower - flat nozzle 24 mm	<b>19 52 93</b>
Air shower - threaded nipple 1/4"	<b>19 52 94</b>
Air shower - Y-turn	<b>19 52 95</b>
Air shower - threaded nipple 1/8"	<b>19 52 96</b>
Air shower - pointed nozzle	<b>19 52 97</b>
Air shower - hose 1 m.	<b>19 52 98</b>
Air shower - stop cock	<b>19 55 54</b>

## Spray washing set



Article no.:

**14 22 07**

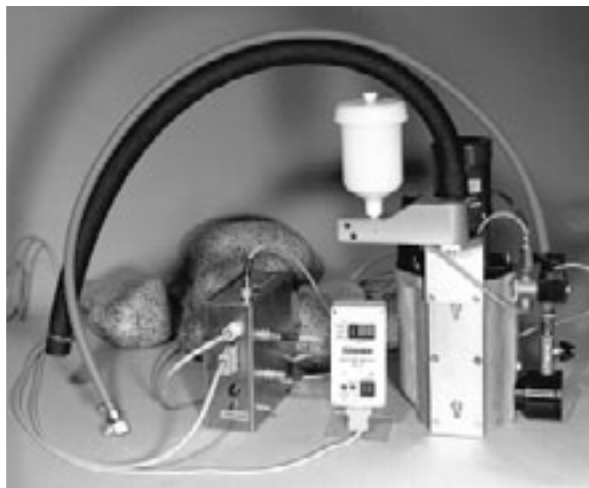
**Size:**  
closed: l 575 x w 370 x h 1050 mm  
open: l 485 x w 305 mm

**Application:**  
Cleans all TAMPOPRINT machine parts that are to be cleaned from one-component-ink. The set is not explosion-proof. Only use detergents with a flash point of > 40°C.

**Technical description:**  
V2A model with transparent cover. Rotable spraying rod with synthetic handle. High-pressure pump with preceding exchangeable filter as well as lateral drain cock for detergent exchange.

**Technical data:**  
Connected load: 380 V, 50 Hz, 0,37 KW  
Detergent: TP "RM" detergent  
(for one-component ink)  
Filling quantity: 50 l of detergent  
Weight: empty 65 kg  
Solvent: organic

### *Inking systems*



**Fully automatic inking system 1.5 l**



**Article no.:**

**02 05 08**

Filling quantity of ready-to-print ink: 1.5 l of one-component ink  
Solvents container: 0.6 l

**Application:**

Additional feature for all "open" system and rotary tampon printing machines.

**Technical details:**

Equipped with a viscosity testing device; solvent dosing control electronics, mixing device in the ink cup. Special gear wheel pump.

**Technical data:**

Power consumption: 130 W  
Control voltage: 220 V, AC/ 50Hz

**Fully automatic inking system 3 l**



**Article no.:**

**02 05 09**

Filling quantity of ready-to-print ink: 2.5 l of one-component ink  
Solvents container: 0.6 l

**Application:**

Additional feature for all "open" system and rotary tampon printing machines.

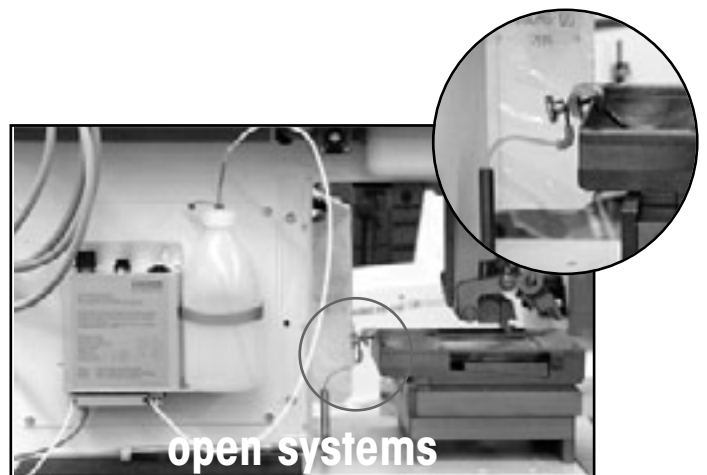
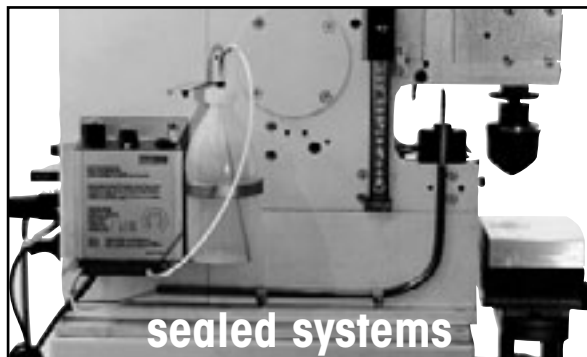
**Technical details:**

Equipped with a viscosity testing device; solvent dosing control electronics, mixing device in the ink cup. Special gear wheel pump.

**Technical data:**

Power consumption: 130 W  
Control voltage: 220 V, AC/ 50 - 60Hz

## Thinner metering systems



### Mono thinner metering system for sealed systems



Article no.:

02 05 12

without ink/doctoring cup

**Advantages:**

The laborious refilling of thinners belongs to the past. The ink consistency is kept at the same level for a longer period than with manual thinner refilling. Increases machine availability.

**Application:**

Supplies one 1-colour ink/doctoring cup.

**Technical details:**

The metering quantity can be adjusted individually depending on machine cycle and Tampoprint colour type.

The metering is infinitely adjustable from 1 to 31 (10 - 24 ml) with reference to the flow quantity during 8 hours. Connection to the machine socket.

### Mono thinner metering system for open systems



Article no.:

02 05 13

designed for cliché sizes of max. 100 x 100 mm

**Application:**

Is screwed onto the tampon printing machine laterally. Machine socket connection or external connection.

**Functioning:**

The metering quantity can be adjusted individually depending on printing machine cycle and Tampoprint colour type.

The metering is infinitely adjustable from 1 to 31. The flow quantity during a shift of 8 hours is approx. 25-55 ml.

**Advantages:**

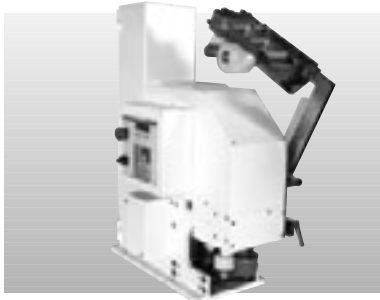
Saves time as you do not need to manually add thinner during the printing process. Up to now this required a lot of experience in order to keep the ink consistency at the correct level.

# Special accessories

## Ink residue pick up systems

### Ink residue pick up systems and equipment

#### Ink residue pick up system



Machine type	mounted on the left	mounted on the right	guard on the left	guard on the right
Encoder 40 EP*	02 30 60	02 30 50	25 50 89	25 50 81
Encoder 40 EP	02 30 77	02 30 78	-	-
Encoder 50 EP*	02 30 61	02 30 51	25 50 90	25 50 82
Rapid 60	02 30 62	02 30 52	25 50 91	25 50 83
Rapid 90	02 30 63	02 30 53	25 50 92	25 50 84
Rapid 130	02 30 64	02 30 54	25 50 93	25 50 85
Hermetic 61 <sup>1</sup>	02 30 65	02 30 55	02 50 94	25 50 86
Hermetic 90 <sup>1</sup>	02 30 66	02 30 56	25 50 95	25 50 87
Hermetic 150	02 30 67	02 30 57	25 50 96	25 50 88
Vario 90/130	02 30 68	02 30 58	25 04 13	25 04 12
Standard	02 30 69	02 30 59	-	-

Machine type	ink residue pick up system with swingup feature
Encoder 40 EP	02 30 74
Encoder 50 EP	02 30 72
Rapid 60	02 30 70
Rapid 90	02 30 71
Hermetic 90	02 30 73

Machine type	Ink residue pick up system complete
Hermetic 6-11	02 30 75
Hermetic 9-11	02 30 76

\* solenoid valve and cable for ink residue system prepared

<sup>1</sup> only with separate counter or manual operation

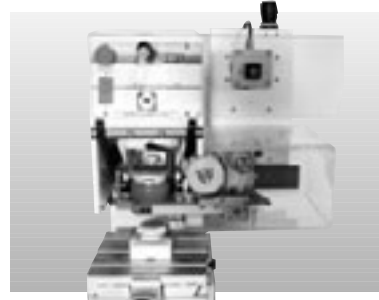
#### Function:

Automatic cleaning of tampon from ink residues before a print stoppage to avoid ink residues to dry up on tampon or after a print stoppage, to remove dried-up ink residues. You can choose between automatic cleaning cycles or manual connection.

#### Ink residue pick up system swingable upwards:

If the cliché and ink/doctoring cup can only be changed from the front and there is not enough space on the left or right of the tampon printing machines, it is possible to swing the ink residue pick up system away and to reposition it after

#### Reordering foils



Ink cup Ø	Cliché size	Article no.
Ø 60	140 x 70	14 22 14
Ø 90	215 x 100	14 22 15
Ø 130	150 x 300	14 22 16
Ø 150	160 x 350	14 22 21
Ø 210	220 x 500	14 22 22

#### Technical data:

Drive: pneumatic

Cup size Ø 60 mm	w 55 mm x l 28 m	14 22 14
Cleaning cycles per foil roll	approx. 6,500 cycles	
Feed per cycle	approx. 8 mm	

Cup size Ø 90 mm	w 85 mm x l 28 m	14 22 15
Cleaning cycles per foil roll	approx. 5,000 cycles	
Feed per cycle	10 mm	

Cup size Ø 130 mm	w 125 mm x l 28 m	14 22 16
Cleaning cycles per foil roll	approx. 3,800 cycles	
Feed per cycle	12 mm	

Cup size Ø 150 mm	w 145 mm x l 28 m	14 22 21
Cleaning cycles per foil roll	approx. 3,800 cycles	
Feed per cycle	12 mm	

Ink residue pick up system without preselection, with manual operation.

Ink cup Ø	Cliché size	Article no.
Ø 60 right	140 x 70	02 30 54
Ø 60 left	140 x 70	02 30 65
Ø 90 right	215 x 100	02 30 56
Ø 90 left	215 x 100	02 30 66

having changed the cliché and the ink/doctoring cup. A gas pressure spring supports and facilitates the swinging.

#### Advantages:

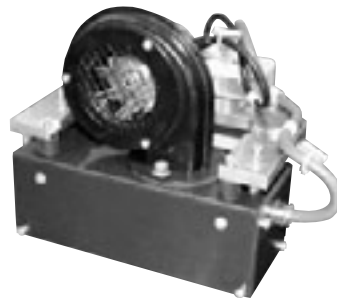
no rejects due to misprints constant printing quality with high-speed tampon printing lines

**Ink residue pick up system assembly** (on location of Tampoprint GmbH) **Art. no.: 02 31 16**

## Infrared dryers



compact unit



built-in unit

### Infrared surface shock dryer



**Application:**

For dark colour printing images on light printing components. Operates in synchronization with the tampon printing machine according to the printing cycles or can be controlled by a microswitch either actuated by the component or the jig carrier.

**Technical data:**

Output: linearly adjustable up to 3,000 watts

**Technical details:**

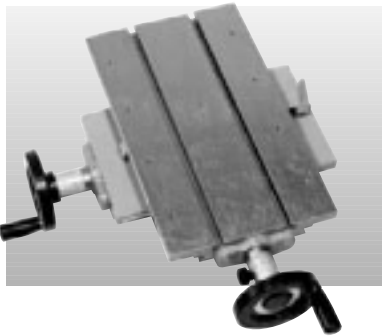
1 to 4 twin tube infrared lamps, gold coated in a V2A metal sheet housing with insulated outer casing and ventilation motor.

The infrared lamp is operated with basic load (10-30% of the output) during down-times. This increases the infrared lamp service life considerably and switches to full output (100%) within a very short time.

Article no.	Type	Tubes	Output	Print image size	Housing		
					Length mm	Width mm	Height mm
02 01 20	80/1 Compact	1	600 W	80 x 50 mm	190	80	70
02 01 21	80/1 Built-in unit	1	600 W	80 x 50 mm	190	80	70
02 01 22	80/2 Compact	2	1,200 W	80 x 75 mm	190	80	70
02 01 23	80/2 Built-in unit	2	1,200 W	80 x 75 mm	190	80	70
02 01 24	125/1 Compact	1	1,000 W	125 x 50 mm	236	80	70
02 01 25	125/1 Built-in unit	1	1,000 W	125 x 50 mm	236	80	70
02 01 26	125/2 Compact	2	2,000 W	125 x 85 mm	236	80	70
02 01 27	125/2 Built-in unit	2	2,000 W	125 x 85 mm	236	80	70
02 01 28	125/3 Compact	3	3,000 W	125 x 120 mm	236	126	70
02 01 29	125/3 Built-in unit	3	3,000 W	125 x 120 mm	236	126	70
02 01 30	200/1 Compact	1	1,500 W	200 x 50 mm	346	80	70
02 01 31	200/1 Built-in unit	1	1,500 W	200 x 50 mm	346	80	70
02 01 32	200/2 Compact	2	3,000 W	200 x 85 mm	346	116	70
02 01 33	200/2 Built-in unit	2	3,000 W	200 x 85 mm	346	116	70
02 01 34	200/3 Compact	3	4,500 W	200 x 120 mm	346	155	70
02 01 35	200/3 Built-in unit	3	4,500 W	200 x 120 mm	346	155	70
02 01 36	340/1 Compact	1	1,200 W	340 x 50 mm	450	80	70
02 01 37	340/1 Built-in unit	1	1,200 W	340 x 50 mm	450	80	70
02 01 38	340/2 Compact	2	2,400 W	340 x 85 mm	450	116	70
02 01 39	340/2 Built-in unit	2	2,400 W	340 x 85 mm	450	116	70
02 01 40	340/3 Built-in unit	3	3,600 W	340 x 120 mm	450	146	70
02 01 41	340/3 Compact	3	3,600 W	340 x 120 mm	450	146	70
02 01 42	500/1 Compact	1	3,000 W	500 x 50 mm	712	80	70
02 01 43	500/1 Built-in unit	1	3,000 W	500 x 50 mm	712	80	70
02 01 44	500/2 Compact	2	6,000 W	500 x 85 mm	712	116	70
02 01 45	500/2 Built-in unit	2	6,000 W	500 x 85 mm	712	116	70
02 01 46	500/3 Compact	3	9,000 W	500 x 120 mm	712	156	70
02 01 47	500/3 Built-in unit	3	9,000 W	500 x 120 mm	712	156	70
02 01 48	500/4 Compact	4	12,000 W	500 x 200 mm	712	206	70
02 01 49	500/4 Built-in unit	4	12,000 W	500 x 200 mm	712	206	70

### Cross tables

#### Cross table for floor standing model



Article no.:

14 10 23

**Application field:**

Facilitates precise component positioning - available as option for your tampon printing machine

**Design:**

Made of grey cast iron with precision spindles. The adjusting spindles are mounted in concealed position and are protected from any contamination. Fine threaded spindles are held in solid bearings and are operated by hand wheels with crank handles. Scale rings with zero point setting and a 0.02 mm graduation allow for precise setting of both the carriages. All guiding paths are ground and can be adjusted by means of setting screws. The table surface has been ground and is equipped with T-nuts according to the DIN German Industrial Standard. Cross and transversal carriages with measuring scale and pointer in mm graduation. Support spindles in hardened and ground design are available at extra cost.

**Cross support large**

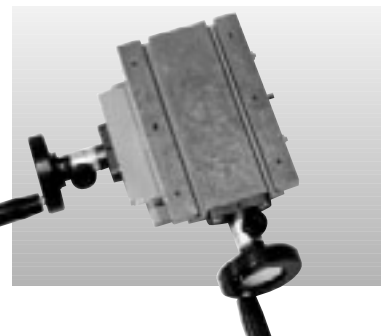
**Technical data:**

Clamping surface	200 x 340 mm
Centre-to-centre T-slots spacing	80 mm
Basic surface	210 x 160 mm
Total height	86 mm
x-axis	160 mm
y-axis	110 mm
Graduation mark	0.02 mm
Loading weight	19,8 kg

**Included in delivery:**

Accessories for jigs or to secure the components	
Clamping iron	14 10 24
T-nuts, (2) 6 H 8	14 10 21
Discs (2)	23 85 59
Socket head cap screws (2)	29 55 53

#### Cross table for bench models



Article no.:

14 10 25

Cross support small

**Application:**

Can be mounted on all open systems of the TAMPOPRINT tampon printing machines models TT/TS 80/31.

**Design:**

see Art. no.: 14 10 23

**Technical data:**

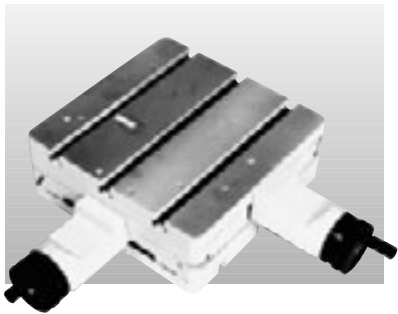
Clamping surface	100 x 160 mm
Centre-to-centre T-slots spacing	54 mm
Basic surface	100 x 130 mm
Total height	48 mm
x-axis	100 mm
y-axis	40 mm
Graduation mark	0.02 mm
Loading weight	4,1 kg

**Included in delivery:**

Accessories for jigs or to secure the components	
Clamping iron	14 10 24
T-nuts, (2) 6 H 8	14 10 21
Discs (2)	23 85 59
Socket head cap screws (2)	29 55 53

## Cross tables

**Aluminium cross table** for all bench models open + sealed systems



**Article no.:** 14 10 31

Standard equipment for Hermetic 61 / Hermetic 90 / Hermetic 611-universal.  
Special equipment for Sealed ink cup 130 / Sealed ink cup 90.  
Special equipment for all open tampon printing machines

**Application:**  
Facilitates precise component positioning, available as option for your tampon printing machines

**Design:**  
Made of diecast aluminium, with precisely milled dovetail guides that are adjustable without play. Longitudinal and lateral settings are carried out by means of adjusting wheels with adjustable zero point. The wheel position can be fixed by means of locking screws. The flat milled clamping area with three continuous 8 T-slots at a distance of 60 mm are used for securing T-nuts, clamping irons or similar.

Aluminium cross support with height adjustment.

<b>Technical data:</b>	
Clamping surface	197 x 197 mm
x-axis	+/- 70 mm
y-axis	35-85 mm
1 turn of the adjusting wheel = direction of displacement	2 mm
1 graduation mark	0.05 mm
Lacquer	RAL 9001
Weight	3 kg

**Included in the delivery:**

Accessories for jigs or to secure the components	
Clamping iron	14 10 24
T-nuts, (2) 6 H 8	14 10 21
Discs (2)	23 85 59
Socket head cap screws (2)	29 55 53

**SIC 60 cross support**



**Article no.:** 25 05 64

Special cross table for Sealed Ink Cup 60; only for Sealed Ink Cup 60

**Application:**  
Facilitates precise component positioning, available as option for your tampon printing machines

**Design:**  
Made of aluminium profile material. The longitudinal and lateral settings are carried out by means of adjusting wheels. The wheel position can be fixed by a clamping lever. The clamping surface with five continuous 8 H8 T-slots at a distance of 25 mm is used for securing clamping claws or similar.

Aluminium cross support with height adjustment.

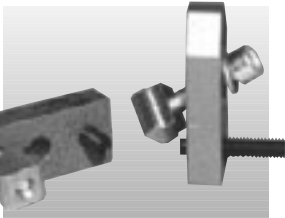
<b>Technical data:</b>	
Clamping surface	195 x 125 mm
z-axis	+/- 20 mm
x-axis	+/- 10 mm
y-axis	+/- 10 mm
1 turn of the adjusting wheel = direction of displacement	1 mm
1 graduation mark	0.05 mm
Load capacity	800 N
Weight	4 kg

**Included in the delivery:**

Accessories for jigs or to secure the components	
Clamping iron	14 10 24
T-nuts, (2) 6 H 8	14 10 21
Discs (2)	23 85 59
Socket head cap screws (2)	29 55 53

### Miscellaneous accessories

#### Clamping iron

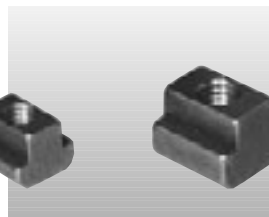


Article no.: 14 10 24

**Application:**

For all before-mentioned cross tables.

#### Nut for T-slot cross tables



Article no:

14 10 21

M6 x 8

14 10 30

M5 x 6

#### White touch up lacquer



Article no: 14 11 97

Container:

1 l (1-component ink)

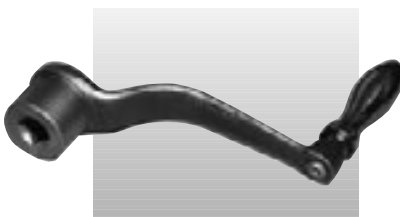
Ink shade:

RAL 9001

**Application:**

Touching up TAMPOPRINT tampon printing machines.

#### Crank handle



Models

for TS 250/31  
for all other models

Article no.:

14 11 98

23 02 57

**Application:**

For TAMPOPRINT floor standing tampon printing machines with height-adjustable angle table.

**Technical data:**

elbowed size 14  
elbowed size 10

14 11 98

23 02 57

#### Green hammer finish enamel



Article no.:

14 11 93

Container:

1 l + "HS" hardener 100 ml

Colour shade:

RAL 60 11

Mixing ratio:

1 kg ink = 30 ml hardener

**Application:**

Touching up TAMPOPRINT tampon printing machines.

#### Green structure lacquer



Article no.:

14 12 01

Container:

1 l + "Strck." hardener 100 ml

Colour shade:

RAL 60 11

Mixing ratio:

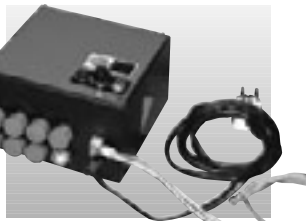
1 kg ink = 30 ml hardener

**Application:**

Touching up TAMPOPRINT tampon printing machines.

## *Ionizings and accessories*

### *Ionizing basic unit 8 HS*



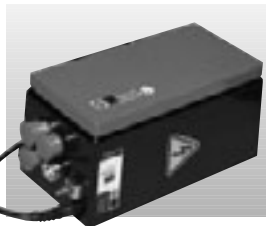
Article no.: **02 06 09**

A maximum of 8 ionizing rods or ions spray heads can be connected to the screw-in sockets by means of a high voltage cable ( optional rod length from 200 to 900 mm).

**Technical details:**  
Equipped with an On/Off switch and a functions indicator lamp.

**Technical data:**  
Supply voltage: 220 V, 50-60 Hz, VA7,9/ 7kV (special voltage on request)  
High voltage transformer: 8,000 V  
Output: 3 mA

### *Ionizing basic unit 4 HS*



Article no.: **02 06 10**

Model depends on the components geometry

**Application:**  
A maximum of 4 ionizing rods or ions spray heads can be connected to the screw-in sockets by means of a high voltage cable (optional rod length from 200 to 900 mm).

**Technical details:**  
Equipped with an On/Off switch and a functions indicator lamp.

**Technical data:**  
Supply voltage: 230 V, 50-60 Hz, VA50 (special voltage on request)  
High voltage transformer: 8,000 V  
Output: 3 mA

### *Ionizing spray head for components*



Article no.: **02 06 25**

**Application:**  
Blows away electrostatically charged dust particles from the surface of the components.

**Technical details:**  
Ion generator supported by compressed air via low pressure fine filter. Allows subsequent treatment of the already prefiltered air. Two separate ion nozzles with positive - negative ion transmission.

**Warning:**  
Can only be operated with inline low pressure fine filter.

### *Low pressure fine filter*



Article no.: **23 86 28**

**Warning:**  
only use oil-free compressed air for the subsequent spray heads.

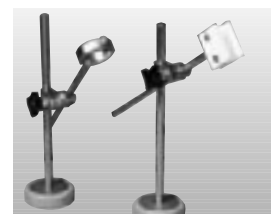
### *Tampon ionizing rods*



**Size** **Article no.:**  
length 100 mm **02 06 20**  
length 190 mm **02 06 11**  
length 350 mm **02 06 12**  
length 600 mm **02 06 13**  
lengths up to 900 mm are available upon request.

**Application:**  
The high performance ionizing rods remove the static charge from the tampon surfaces or the components.

### *Magnetic support*

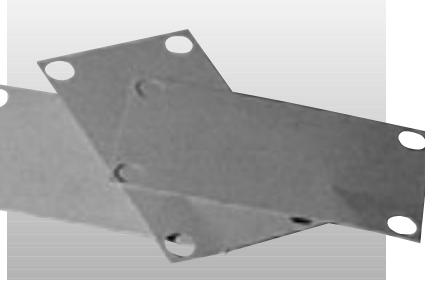


Article **Article no.:**

for spray head **23 86 27**  
for ionizing rod **23 86 26**

# Sealed systems

## *Interleaving paper*



<b>Format</b>		<b>Article no.:</b>
60 x 105 mm	packing unit with 10 pcs.	<b>14 34 23</b>
70 x 140 mm	packing unit with 10 pcs.	<b>14 34 24</b>
100 x 215 mm	packing unit with 10 pcs.	<b>14 34 25</b>
150 x 300 mm	packing unit with 10 pcs.	<b>14 34 26</b>
160 x 350 mm	packing unit with 10 pcs.	<b>14 34 27</b>
220 x 500 mm	packing unit with 10 pcs.	<b>14 34 28</b>

The interleaving paper is inserted between the magnetic plate and the foil cliché providing better doctoring results due to a higher flexibility. Prevents small particles on the bottom side of the cliché or the magnetic plate from leaving dents on the cliché which will then be damaged by the doctoring up.  
Indispensable for foil clichés with Ø 210 mm doctoring cup machines.

## *Lapping plate and paste*



	<b>Article no.:</b>
<b>Plate</b> Diecast plate format 200x160x20 mm	<b>14 11 31</b>
<b>Plate</b> Diecast plate format 315x300x25 mm	<b>14 11 32</b>
<b>Paste</b> Tube à 145 gr / graining 800 grinds the doctoring lip of the doctoring cup	<b>14 11 30</b>

# Accessories

Sealed systems  
Doctoring cup Ø 40 mm  
Cliché size 60 x 105 mm



## Doctoring cups

Standard model, metal

Article no.:

09 00 02

for overhead printing, lateral pressure connection,  
without expansion bellows and connection material

09 00 10

for overhead printing, lateral pressure connection,  
with expansion bellows, portable sockets and coupling

09 00 06

## Thrust collar

for standard and overhead printing doctoring cups

Article no.:

09 00 81

## Cliché storage rack

Article no.:

09 00 91

## Mounting table

Article no.:

09 00 61

## Gripping tongs

Article no.:

09 00 71

## Interleaving paper

packing unit with 10 pcs.

Article no.:

14 34 23

## Holding plates

Magnetic holding plate for Magnet Screen and Record clichés with  
4 registration pins and inserted retaining magnets

Article no.:

14 60 02

Holding plate for Aloxid clichés with 2 registration pins and  
4 holding down clamps to secure the cliché

14 61 02

## Raw material cliché - non-etched

Steel cliché

Article no.:

27 00 60

Record clichés

packing unit with 10 pcs.

44 10 60

Magnet Screen clichés

packing unit with 10 pcs.

31 10 60

Aloxid clichés

packing unit with 10 pcs.

41 10 60

## Film mounting plates

Article no.:

44 10 61

## Film mounting foils

Article no.:

packing unit with 10 pcs.

44 40 01

ORIGINAL

**TAMPOPRINT**  
Germany

**Sealed systems**  
**Doctoring cup Ø 60 mm**  
**Cliché size 70 x 140 mm**

# Accessories



## Doctoring cups

Standard model, plastic cup  
 30° - beveled thrust collar flange

Article no.:

09 00 29

for overhead printing, metal cup, lateral pressure connection,  
 without expansion bellows and connection material

09 00 11

for overhead printing, metal cup, lateral pressure connection,  
 with expansion bellows, portable sockets and coupling

09 00 07

2 - colours, 1 central separator (metal), metal cup  
 3 - colours, 2 separators (metal), metal cup

09 00 21

09 00 22

## Thrust collar

for standard doctoring cup  
 for overhead and multicolour doctoring cups

Article no.:

09 00 87

09 00 86

## Cliché storage rack

Article no.:

09 00 92

## Mounting table

Article no.:

09 00 62

## Gripping tongs

Article no.:

09 00 72

## Interleaving paper

packing unit with 10 pcs.

Article no.:

14 34 24

## Foil rolls for ink residue pick up system

Width 55 mm, length approx. 28 m

Article no.:

14 22 14

Width 59 mm, length approx. 28 m

14 22 23

## Holding plates

Magnetic holding plate for Magnet Screen and Record clichés with  
 4 positioning pins and inserted retaining magnets

Article no.:

14 60 03

Holding plate for Aloxid clichés with 2 positioning pins and  
 4 holding down clamps to secure the cliché

14 61 03

## Raw material cliché - non-etched

Steel cliché  
 Record clichés packing unit with 10 pcs.  
 Magnet Screen clichés packing unit with 10 pcs.  
 Aloxid clichés packing unit with 10 pcs.

Article no.:

27 00 70

44 14 70

31 14 70

41 14 70

## Film mounting plates

Article no.:

44 14 71

## Film mounting foils

packing unit with 10 pcs.

Article no.:

44 40 02

# Accessories

Sealed systems  
Doctoring cup Ø 90 mm  
Cliché size 100 x 215 mm



## Doctoring cups

Standard model, plastic cup  
30° - beveled thrust collar flange

Article no.:

09 00 31

2-colours, central separator, metal cup  
30° - beveled thrust collar flange

09 00 58

## Thrust collar

for standard doctoring cup  
for multicolour doctoring cups

Article no.:

09 00 79

09 01 27

## Cliché storage rack

Article no.:

09 00 93

## Mounting table

for standard doctoring cup  
for multicolour doctoring cup

Article no.:

09 00 63

09 01 50

## Gripping tongs

for standard doctoring cup  
for multicolour doctoring cup

Article no.:

09 00 73

09 01 40

## Interleaving paper

packing unit with 10 pcs.

Article no.:

14 34 25

## Foil rolls for ink residue pick up system

Width 85 mm, length approx. 28 m

Article no.:

14 22 15

## Holding plates

for Magnet Screen and Record clichés with  
4 registration pins and inserted retaining magnets

Article no.:

14 60 04

Holding plate for Aloxid clichés with 2 registration pins and  
4 holding down clamps to secure the cliché

14 61 04

## Raw material cliché - non-etched

Steel cliché  
Record clichés  
Magnet Screen clichés  
Aloxid clichés

packing unit with 10 pcs.

packing unit with 10 pcs.

packing unit with 10 pcs.

Article no.:

27 00 75

44 10 22

31 22 10

41 10 22

## Film mounting plates

Article no.:

44 10 23

## Film mounting foils

packing unit with 10 pcs.

Article no.:

44 40 03

ORIGINAL

**TAMPOPRINT**  
Germany

## Sealed systems

Doctoring cup Ø 130 mm  
Cliché size 150 x 300 mm

# Accessories



### Doctoring cups

Standard model, metal cup  
30° - beveled thrust collar flange

Article no.:  
**09 00 51**

2-colours, central separator, metal cup  
30°- beveled thrust collar flange

**09 00 59**

### Thrust collar

for standard doctoring cup  
for multicolour doctoring cups

Article no.:  
**09 00 80**  
**09 01 28**

### Cliché storage rack

Article no.: **09 00 94**

### Mounting table

Article no.: **09 00 64**

### Gripping tongs

Article no.: **09 00 74**

### Interleaving paper

packing unit with 10 pcs. **Article no.: 14 34 26**

### Foil rolls for ink residue pick up system

Width 125 mm, length approx. 28 m

Article no.:  
**14 22 16**

### Holding plates

for Magnet Screen and Record clichés with  
4 registration pins and inserted retaining magnets

Article no.:  
**14 60 05**

Holding plate for Aloxid clichés with 2 registration pins and  
4 holding down clamps to secure the cliché

**14 61 05**

### Raw material cliché - non-etched

Steel cliché		<b>27 00 80</b>
Record clichés	packing unit with 10 pcs.	<b>44 30 15</b>
Magnet Screen clichés	packing unit with 10 pcs.	<b>31 30 15</b>
Aloxid clichés	packing unit with 10 pcs.	<b>41 30 15</b>

### Film mounting plates

Article no.: **44 30 16**

### Film mounting foils

packing unit with 10 pcs. **Article no.: 44 40 04**

# Accessories

Sealed systems  
Doctoring cup Ø 150 mm  
Cliché size 160 x 350 mm



## Doctoring cup

Standard model, metal cup  
30° -beveled thrust collar flange

Article no.:  
09 00 55

## Thrust collar

Article no.:

09 00 78

## Cliché storage rack

Article no.:

09 00 95

## Mounting table

Article no.:

09 00 65

## Gripping tongs

Article no.:

09 00 76

## Interleaving paper

packing unit with 10 pcs.

Article no.:  
14 34 27

## Foil rolls for ink residue pick up system

Width 145 mm, length approx. 28 m

Article no.:  
14 22 21

## Holding plates

for Magnet Screen and Record clichés with  
4 registration pins and inserted retaining magnets

Article no.:  
14 60 06

Holding plate for Aloxid clichés with 2 registration pins and  
4 holding down clamps to secure the cliché

14 61 06

## Raw material cliché - non-etched

Steel cliché  
Record clichés  
Magnet Screen clichés  
Aloxid clichés

packing unit with 10 pcs.  
packing unit with 10 pcs.  
packing unit with 10 pcs.

Article no.:  
27 00 82  
44 35 16  
31 35 16  
41 35 16

## Film mounting plates

Article no.:

44 30 17

## Film mounting foils

packing unit with 10 pcs.

Article no.:  
44 40 05

ORIGINAL

**TAMPOPRINT**  
Germany

Issued: February 2000 - Accessories - sealed systems

**Sealed systems**  
**Doctoring cup Ø 210 mm**  
**Cliché size 220 x 500 mm**

# Accessories



**Doctoring cup**

Standard model, metal cup  
 30° -beveled thrust collar flange

Article no.:  
**09 00 57**

**Thrust collar**

Article no.:

**09 01 26**

**Mounting table**

Article no.:

**09 00 65**

**Gripping tongs**

Article no.:

**09 00 69**

**Interleaving paper**

packing unit with 10 pcs.

Article no.:  
**14 34 28**

**Foil rolls for ink residue pick up system**

Width 205 mm, length approx. 28 m

Article no.:  
**14 22 22**

**Holding plates**

for Magnet Screen and Record clichés  
 with 4 registration pins and inserted retaining magnets

Article no.:  
**14 34 17**

**Raw material cliché - non-etched**

Steel cliché  
 Record cliché      packing unit with 10 pcs.  
 Magnet Screen cliché      packing unit with 10 pcs.

Article no.:  
**27 55 00**  
**44 55 00**  
**31 55 00**

**Film mounting plates**

Article no.:

**44 30 18**

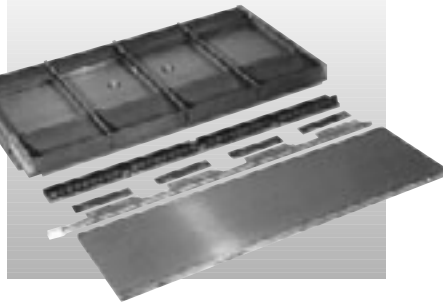
**Film mounting foils**

packing unit with 10 pcs.

Article no.:  
**44 40 06**

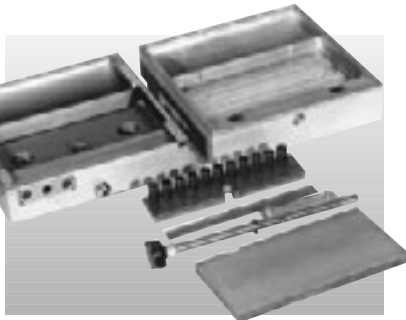
# Open systems

**Example for multicolour equipment**



**from top to bottom:**  
4-colour cliché holder, doctor blade carrier, ink spatula, steel cliché

**Example:**



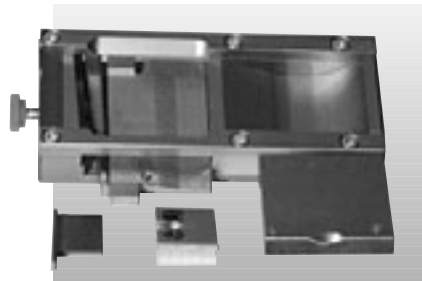
**from top to bottom:**  
cliché holder (left), ink well (right), doctor blade carrier, ink spatula, ink spatula holder, steel cliché

**Example:**



**from top to bottom:**  
cliché holder (left), ink well (right), doctor blade carrier, ink spatula, ink spatula holder, steel cliché

**TT/TS 50/31- single-colour**



Format l x w	Cliché holder	Doctor bl. carrier	Ink spatula	Doctor blade	Magnetic plate	No. of colours
50x50	<b>226050</b>	<b>246050</b>	<b>186050</b>	<b>471050</b>	<b>143007</b>	1
50x100	<b>226100</b>	<b>246100</b>	<b>186100</b>	<b>471100</b>	<b>143008</b>	1
Tampon holder Art. no.:						<b>213005</b>

# Accessories

## Open systems

### TT/TS 80/31 + TT/TS 80/100/41 + TT/TS 50/80/41 - doctor stroke 80 mm - single-colour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
80x50	227051	-	247051	183001	187051	143010	471050	1
80x80	227081	157081	248080	183001	187081	143001	471080	1
80x100	227101	157101	248100	183001	183100	143009	471100	1
80x125	227126	157126	247126	183002	187126	143002	471125	1
80x150	227151	157151	247151	183002	187150	143003	472140	1
80x200	227201	157201	247201	183002	183200	143004	471201	1
80x250	227251	157251	247251	183002	187250	143005	472250	1
80x300	227301	157301	247301	183002	187301	143006	472300	1

### - doctor stroke 80 mm - multicolour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
80x150	227152	-	247152	187005	-	143003	477075	2
80x250	227253	-	247253	187006	-	143005	471125	2
80x300	227300	-	247300	187007	-	143006	172128	2

### TT/TS 80/31

#### - doctor stroke 100 mm - single-colour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
100x80	227083	157082	248080	183001	187081	143100	471080	1
100x100	227084	157102	248100	183001	183100	143101	471100	1
100x125	227127	157127	247126	183001	187126	143102	471122	1

Ink spatulas are included in multicolour spatula holders!

Tampon couplings:	21 30 01
	21 70 05
Tampon holder: 2-colours	21 70 03
Tampon displacement coupling:	21 10 02
Nut:	23 10 35
T-bolts:	21 19 09

### TS 100 EM / TT/TS 100/31 (TT/TS 80/100/41 doctor stroke 100 mm only) - doctor stroke 100 mm - single-colour

Format l x w	Cliché holder	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
100x50	228050	248050	183001	187051	143099	471050	1
100x80	228080	248080	183001	188080	143100	471080	1
100x100	228100	248100	183002	188100	143101	471110	1
100x125	228125	247126	183026	143102	471125	471125	1
100x190	228190	248190	183002	188190	143103	471190	1
100x260	228260	248260	183002	188260	143104	471260	1
100x350	228350	248350	183002	188350	143105	471350	1
100x400	228400	248400	183002	188400	143107	471400	1

### - doctor stroke 100 mm - multicolour

Format l x w	Cliché holder	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
100x190	228191	248191	188910	188191	143103	471100	2
100x260	228261	248261	188911	188261	143104	472100	2
100x350	228351	248351	188912	188351	143105	472160	2
100x350	228900	248900	188900	-	143105	472200	4
100x400	228402	248401	188903	-	143107	477075	2

Ink spatulas are included in multicolour spatula holders!

Tampon couplings:	21 10 01
	21 10 05
Tampon holder: 2-colours	21 10 06
4-colours	21 19 00
Tampon displacement coupling:	21 10 02
Nut:	23 10 35
T-bolts:	21 19 09

**TT/TS 100/21**  
- single-colour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
100x50	<b>221050</b>	<b>241050</b>	<b>151050</b>	<b>181000</b>	<b>181050</b>	<b>143099</b>	<b>471050</b>	<b>1</b>
100x80	<b>221080</b>	<b>241080</b>	<b>151080</b>	<b>181000</b>	<b>181080</b>	<b>143100</b>	<b>471080</b>	<b>1</b>
100x100	<b>221100</b>	<b>241100</b>	<b>151100</b>	<b>181000</b>	<b>181100</b>	<b>143101</b>	<b>471100</b>	<b>1</b>
100x125	<b>221125</b>	<b>241125</b>	<b>151125</b>	<b>181001</b>	<b>181125</b>	<b>143102</b>	<b>471125</b>	<b>1</b>
100x190	<b>221190</b>	<b>241190</b>	<b>151190</b>	<b>181001</b>	<b>181190</b>	<b>143103</b>	<b>471190</b>	<b>1</b>
100x260	<b>221260</b>	<b>241260</b>	<b>151260</b>	<b>181001</b>	<b>181260</b>	<b>143104</b>	<b>471260</b>	<b>1</b>
100x350	<b>221350</b>	<b>241350</b>	<b>151350</b>	<b>181001</b>	<b>181350</b>	<b>143105</b>	<b>471350</b>	<b>1</b>
100x400	<b>221400</b>	<b>241400</b>	<b>151400</b>	<b>181001</b>	<b>181400</b>	<b>143107</b>	<b>471400</b>	<b>1</b>

- multicolour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
100x190	<b>221191</b>	<b>241191</b>	-	<b>181910</b>	<b>181191</b>	<b>143103</b>	<b>471100</b>	<b>2</b>
100x260	<b>221261</b>	<b>241261</b>	-	<b>181911</b>	<b>181261</b>	<b>143104</b>	<b>472110</b>	<b>2</b>
100x350	<b>221351</b>	<b>241351</b>	-	<b>181912</b>	<b>181351</b>	<b>143105</b>	<b>472160</b>	<b>2</b>
100x350	<b>221900</b>	<b>241900</b>	-	<b>181900</b>	-	<b>143105</b>	<b>477075</b>	<b>4-ML</b>
100x350	<b>221901</b>	<b>241901</b>	-	<b>181901</b>	-	<b>143105</b>	<b>471080</b>	<b>4-MR</b>
100x400	<b>221902</b>	<b>241902</b>	-	<b>181902</b>	-	<b>143107</b>	<b>471080</b>	<b>5-ML</b>

Ink spatulas are included in multicolour spatula holders!

Tampon couplings:	<b>21 10 01</b>
	<b>21 10 05</b>
	<b>21 10 04</b>
	<b>21 10 07</b>

Tampon holder: 2-colours	<b>21 10 06</b>
4-colours-ML	<b>21 19 00</b>
4-colours-MR	<b>21 19 01</b>
5-colours-ML	<b>21 19 05</b>

Tampon displacement coupling:	<b>21 10 02</b>
Nut:	<b>23 10 35</b>

T-bolts:	<b>21 19 09</b>
----------	-----------------

**TT/TS 125/150/31**  
doctor stroke 125 mm - single-colour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
125x100	<b>221101</b>	-	<b>241101</b>	<b>181100</b>	<b>181100</b>	<b>143200</b>	<b>471100</b>	<b>1</b>
125x125	<b>221126</b>	<b>151126</b>	<b>241126</b>	<b>181001</b>	<b>181126</b>	<b>143201</b>	<b>471125</b>	<b>1</b>
125x200	<b>221201</b>	<b>151201</b>	<b>244201</b>	<b>181001</b>	<b>184200</b>	<b>143206</b>	<b>471201</b>	<b>1</b>
125x250	<b>221251</b>	<b>151251</b>	<b>241251</b>	<b>181001</b>	<b>182250</b>	<b>143202</b>	<b>472250</b>	<b>1</b>
125x300	<b>221301</b>	<b>151301</b>	<b>241301</b>	<b>181001</b>	<b>184300</b>	<b>143204</b>	<b>472300</b>	<b>1</b>
125x400	<b>221401</b>	<b>151401</b>	<b>244401</b>	<b>181001</b>	<b>181400</b>	<b>143205</b>	<b>471400</b>	<b>1</b>
125x500	<b>221501</b>	<b>151501</b>	<b>244501</b>	<b>184002</b>	<b>184501</b>	<b>143203</b>	<b>474500</b>	<b>1</b>
125x550	-	<b>151551</b>	<b>244550</b>	<b>184002</b>	<b>182550</b>	-	<b>472550</b>	<b>1</b>

doctor stroke 125 mm - multicolour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
125x250	<b>221252</b>	-	<b>241252</b>	<b>181911</b>	-	<b>143202</b>	<b>471125</b>	<b>2</b>
125x300	<b>221302</b>	-	<b>241311</b>	<b>181002</b>	<b>181302</b>	<b>143204</b>	<b>471302</b>	<b>2</b>
125x400	<b>221403</b>	-	<b>241411</b>	<b>181903</b>	<b>181402</b>	<b>143205</b>	<b>471190</b>	<b>2</b>
125x500	<b>221500</b>	-	<b>244502</b>	<b>184502</b>	-	<b>143203</b>	<b>472250</b>	<b>2</b>
125x500	<b>221503</b>	-	<b>257022</b>	<b>181503</b>	<b>184151</b>	<b>143203</b>	<b>472140</b>	<b>3</b>
125x500	<b>221504</b>	-	<b>257020</b>	<b>181004</b>	<b>181126</b>	<b>143203</b>	<b>471125</b>	<b>4</b>

Ink spatulas are included in multicolour spatula holders!

Tampon couplings:	<b>21 20 01</b>
- 68 mm height (reducing coupling)	<b>21 40 05</b>
- 54 mm height (reducing coupling)	<b>21 40 06</b>

Tampon holder:	<b>21 15 01</b>
----------------	-----------------

Tampon displacement coupling:	<b>21 20 02</b>
Nut:	<b>23 10 35</b>

T-bolts:	<b>21 19 10</b>
----------	-----------------

# Accessories

## Open systems

### TT/TS 150/200/31 - doctor stroke 150 mm - single-colour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
150x100	<b>224100</b>	-	<b>241101</b>	<b>181001</b>	<b>184101</b>	<b>143309</b>	<b>471100</b>	<b>1</b>
150x150	<b>224150</b>	<b>154151</b>	<b>244151</b>	<b>181001</b>	<b>184151</b>	<b>143301</b>	<b>172140</b>	<b>1</b>
150x200	-	<b>154200</b>	<b>244201</b>	<b>181001</b>	<b>184200</b>	<b>143308</b>	<b>472200</b>	<b>1</b>
150x250	<b>224250</b>	<b>154250</b>	<b>244251</b>	<b>181001</b>	<b>184251</b>	<b>143302</b>	<b>472250</b>	<b>1</b>
150x300	<b>224300</b>	<b>154300</b>	<b>244301</b>	<b>181001</b>	<b>184301</b>	<b>143303</b>	<b>472300</b>	<b>1</b>
150x400	<b>224400</b>	<b>154400</b>	<b>244401</b>	<b>181001</b>	<b>184401</b>	<b>143305</b>	<b>471400</b>	<b>1</b>
150x500	<b>224500</b>	<b>154500</b>	<b>244501</b>	<b>184002</b>	<b>184501</b>	<b>143304</b>	<b>474500</b>	<b>1</b>
150x550	-	<b>154550</b>	<b>244550</b>	<b>184002</b>	<b>182550</b>	-	<b>472550</b>	

### - doctor stroke 150 mm - multicolour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
150x250	<b>224252</b>	-	<b>244252</b>	<b>181911</b>	<b>181261</b>	<b>143302</b>	<b>471125</b>	<b>2</b>
150x300	<b>224301</b>	-	<b>244301</b>	<b>181002</b>	<b>181302</b>	<b>143303</b>	<b>471302</b>	<b>2</b>
150x500	<b>224502</b>	-	<b>244502</b>	<b>184502</b>	<b>181251</b>	<b>143304</b>	<b>472250</b>	<b>2</b>
150x500	<b>224503</b>	-	<b>257022</b>	<b>181503</b>	<b>184151</b>	<b>143304</b>	<b>172140</b>	<b>3</b>
150x500	<b>224504</b>	-	<b>257020</b>	<b>181004</b>	<b>181126</b>	<b>143304</b>	<b>471125</b>	<b>4</b>

### - doctor stroke 200 mm - single-colour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
200x150	<b>224256</b>	<b>154155</b>	<b>244150</b>	<b>181001</b>	<b>184151</b>	<b>143409</b>	<b>172140</b>	<b>1</b>
200x200	<b>224257</b>	<b>154201</b>	<b>244201</b>	<b>181001</b>	<b>184200</b>	<b>143401</b>	<b>472200</b>	<b>1</b>
200x250	<b>224255</b>	<b>154251</b>	<b>244250</b>	<b>181001</b>	<b>184251</b>	<b>143402</b>	<b>472250</b>	<b>1</b>
200x300	<b>224258</b>	<b>154301</b>	<b>244301</b>	<b>181001</b>	<b>184301</b>	<b>143408</b>	<b>472300</b>	<b>1</b>
200x400	<b>224259</b>	<b>154401</b>	<b>244401</b>	<b>181001</b>	<b>184401</b>	<b>143403</b>	<b>471400</b>	<b>1</b>
200x500	<b>224260</b>	<b>154501</b>	<b>244501</b>	<b>184002</b>	<b>184501</b>	<b>143404</b>	<b>474500</b>	<b>1</b>
200x550	-	<b>154551</b>	<b>245550</b>	<b>184002</b>	<b>182250</b>	<b>143407</b>	<b>472550</b>	<b>1</b>

### - doctor stroke 200 mm - multicolour

Format l x w	Cliché holder	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Magnetic plate	Doctor blade	No. of colours
200x500	<b>224552</b>	-	<b>244502</b>	<b>184502</b>	-	<b>143404</b>	<b>472250</b>	<b>2</b>
200x500	<b>224504</b>	-	<b>257020</b>	<b>181004</b>	<b>181126</b>	<b>143404</b>	<b>471125</b>	<b>4</b>

Ink spatulas are included in multicolour spatula holders!

Tampon couplings:	<b>21 20 01</b>
- 68 mm height (reducing coupling!)	<b>21 40 05</b>
- 54 mm height (reducing coupling!)	<b>21 40 06</b>

Tampon holder: **21 45 01**

Tampon displacement coupling: **21 20 02**  
Nut: **23 10 35**

T-bolts: **21 19 10**

### TS 250/31 - single-colour

Format d x w	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Doctor blade	No. of colours
250x250	<b>157250</b>	<b>244251</b>	<b>184001</b>	<b>184251</b>	<b>474250</b>	<b>1</b>
250x300	<b>157300</b>	<b>244301</b>	<b>184001</b>	<b>184301</b>	<b>172300</b>	<b>1</b>
250x500	<b>157500</b>	<b>244501</b>	<b>184002</b>	<b>184501</b>	<b>172500</b>	<b>1</b>

Tampon couplings:	<b>21 20 01</b>
- 68 mm height (reducing coupling!)	<b>21 40 05</b>
- 54 mm height (reducing coupling!)	<b>21 40 06</b>

Tampon holder: **21 45 01**

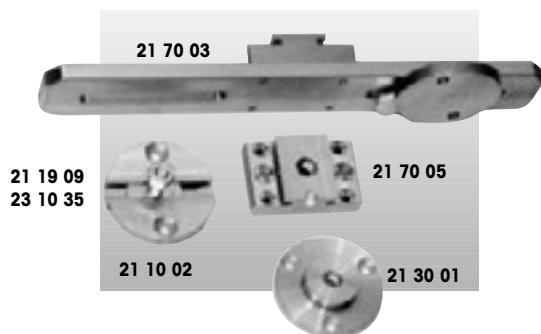
Tampon displacement coupling: **21 20 02**  
Nut: **23 10 35**

T-bolts: **21 19 10**

# Additional equipment

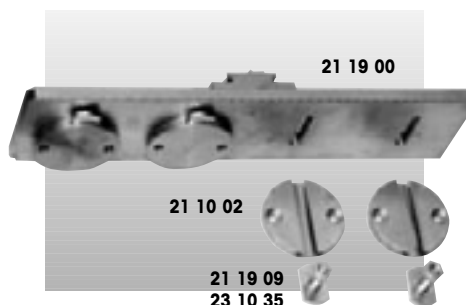
## *Tampon holders / tampon couplings for*

**TT/TS 80/31, TT/TS 50/80/41, TT/TS 80/100/41**



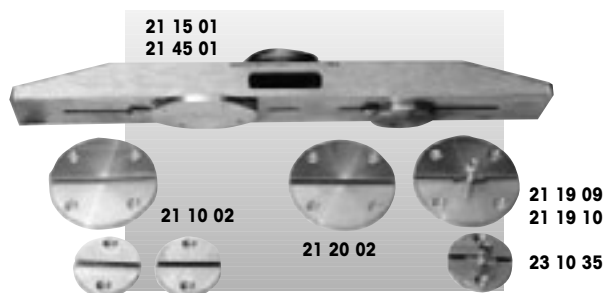
Article	Article no.:
Tampon coupling	21 70 05
Tampon coupling	21 30 01
Tampon holder 2-colour	21 70 03
Tampon coupling adjustable	21 10 02
T-bolts	21 19 09
Hexagon nut	23 10 35

**TT/TS 100/2/21,-/31, TS 100 EM**



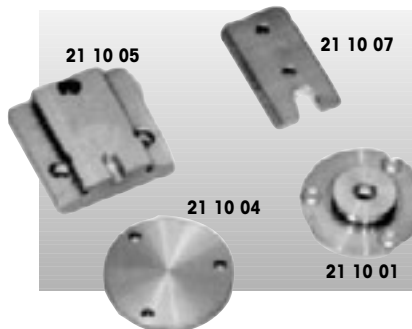
Article	Article no.:
Tampon coupling	21 10 05
Tampon holder 4-colour	21 19 00
Tampon coupling adjustable	21 10 02
T-bolts	21 19 09
Hexagon nut	23 10 35

**TT/TS 125/31/41, TT/TS 150/200/31**



Article	Article no.:
Tampon holder TT/TS 125/31/41	21 15 01
Tampon holder TT/TS 150/31	21 45 01
Tampon coupling adjustable	21 20 02
Tampon coupling adjustable	21 10 02
T-bolt für 21 15 01	21 19 09
T-bolt für 21 45 01	21 19 10
Hexagon nut	23 10 35

**TS 100/2/21,-/31, TS 100 EM (high or flat)**



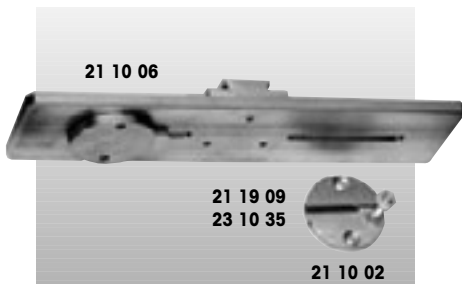
Article	Article no.:
Tampon coupling round - height approx. 15 mm	21 10 01
Tampon spacer coupling - height 6 mm, To compensate the machine's tampon stroke when using low tampons	21 10 04
Tampon coupling flat - height approx. 8 mm	21 10 07
Tampon coupling - height approx. 19 mm	21 10 05

# Accessories

## Additional equipment Tampon couplings / holders

### *Tampon holder / Tampon spacer coupling for*

#### *TS 100/2/21,-/31, TS 100 EM (2-colour)*



**Article**

Tampon holder 2-colour  
Tampon coupling, adjustable  
T-bolt  
Hexagon nut

**Article no.:**

21 10 06  
21 10 02  
21 19 09  
23 10 35

#### *TT/TS 150/200/31, TS 200/21 (spacer coupling)*



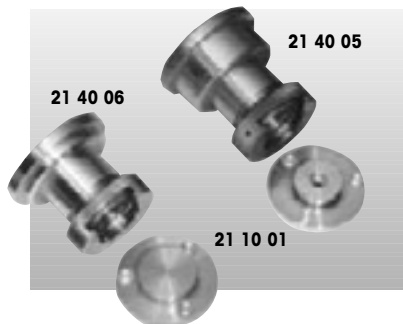
**Article**

Tampon coupling - height 65 mm  
Tampon coupling - height 90 mm

**Article no.:**

21 21 00  
21 21 25

#### *TT/TS 125/31/41, TT/TS 150/200/31*



**Article**

Tampon spacer coupling - height 68 mm,  
To compensate the machine's tampon stroke  
when using small or low tampons

Tampon spacer coupling short - height 54 mm,  
in order to compensate the machine's tampon stroke  
when using small or low tampons

Tampon coupling - Ø 60 mm

**Article no.:**

21 40 05  
21 40 06  
21 10 01

#### *TS 100 EM (height adjustment)*



**Article**

Tampon height adjustment

**Article no.:**

21 10 03

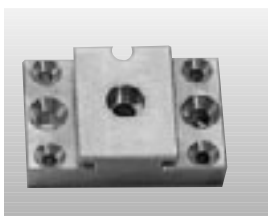
ORIGINAL

**TAMPOPRINT**  
Germany

## ***Tampon couplings - special shifting couplings***

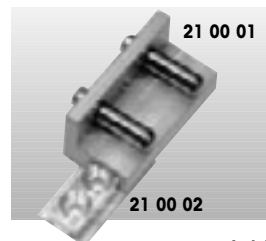
***Please note the reduced tampon height***

### ***Vario 90/130***



**Article** **Article no.:**  
Tampon coupling -standard - **21 70 05**

### ***Encoder 40/50***



**Article** **Article no.:**  
Tampon receiver, adjustable -  
is inserted directly into the tampon  
printing machine **21 00 01**  
  
Tampon coupling -  
the tampon is screwed directly  
on the tampon coupling **21 00 02**

### ***Hermetic 60/61/6-11 - SIC 60***



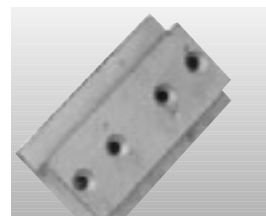
**Article** **Article no.:**  
Tampon coupling **21 00 05**

### ***Hermetic 90/9-11 - SIC 90***



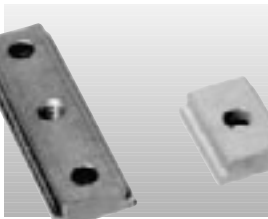
**Article** **Article no.:**  
Tampon coupling **21 00 09**

### ***Hermetic 150 - SIC 130 - Rapid 130***



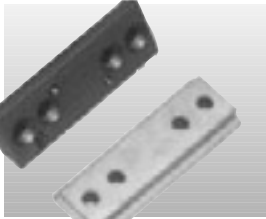
**Article** **Article no.:**  
Tampon coupling **21 00 07**

### ***Rapid 2000/60/1+3***



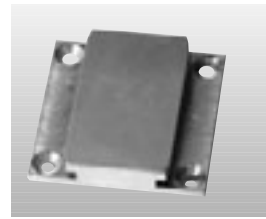
**Article** **Article no.:**  
Tampon coupling **21 00 03**  
Tampon coupling - long - **21 00 06**

### ***Rapid 2000/90***



**Article** **Article no.:**  
Tampon coupling without stop pin **21 00 04**  
Tampon coupling with stop pin **21 00 08**

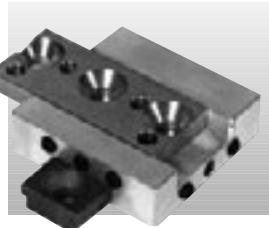
### ***V-60/90 DUO***



**Article** **Article no.:**  
Tampon coupling **30 86 08**

### *Tampon displacements*

#### *Hermetic 61*



<b>Article</b>	<b>Article no.:</b>
Tampon displacement	21 00 15
Adjustment range:	top: $\pm 28$ mm bottom: $\pm 30$ mm
max. tampon height:	46 mm

#### *Hermetic 90*



<b>Article</b>	<b>Article no.:</b>
Tampon displacement	21 00 12
Adjustment range:	top: $\pm 30$ mm bottom: $\pm 40$ mm
max. tampon height:	77 mm

#### *Rapid 2000/60*



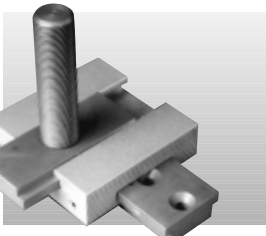
<b>Article</b>	<b>Article no.:</b>
Tampon displacement	21 00 13
Adjustment range:	top: $\pm 25$ mm bottom: $\pm 30$ mm
max. tampon height:	60 mm

#### *Rapid 2000/90*



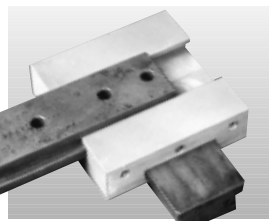
<b>Article</b>	<b>Article no.:</b>
Tampon displacement	21 00 14
Adjustment range:	top: $\pm 30$ mm bottom: $\pm 40$ mm
max. tampon height:	95 mm

#### *Rapid 2000/130 + Hermetic 150*



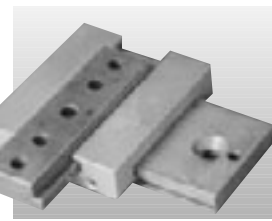
<b>Article</b>	<b>Article no.:</b>
Tampon displacement	21 00 16
Adjustment range:	top: $\pm 40$ mm bottom: $\pm 50$ mm
max. tampon height:	142 mm

#### *Sealed ink cup 90*



<b>Article</b>	<b>Article no.:</b>
Tampon displacement	21 00 19
Adjustment range:	top: $\pm 35$ mm bottom: $\pm 40$ mm
max. tampon height:	65 mm

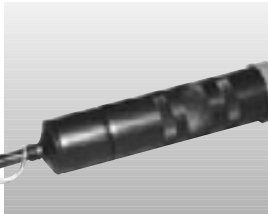
#### *Sealed ink cup 130*



<b>Article</b>	<b>Article no.:</b>
Tampon displacement	21 00 21
Adjustment range:	top: $\pm 40$ mm bottom: $\pm 50$ mm
max. tampon height:	90 mm

# Tools

**Grease gun for Continua**

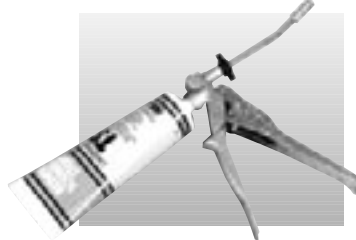


Article no.: 14 11 95

**Application:**  
Transport conveyor belt maintenance.

Contents: 200 g. empty

**High pressure grease gun for Continua**

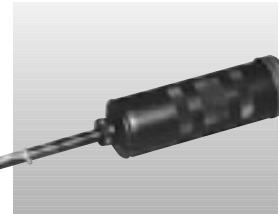


Article no.: 14 12 03

**Application:**  
Lubricant for Continua cam roller  
Lubricant for press

14 12 04

**Grease gun for linear conveyor**

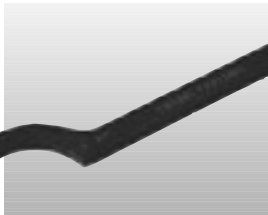


Article no.: 14 11 99

**Application:**  
Linear indexing chain maintenance.

Contents: 200 g. empty

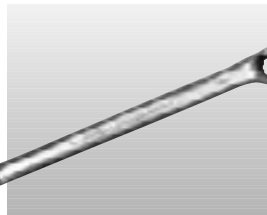
**Hook wrench for tampon holder**



Article no.: 14 21 69

**Application:**  
tightens the tampon coupling into the tampon holder. Suitable for TAMPOPRINT - tampon printing machines TS/TT 125/150/31/-41 + TS 150/200/31 + TS 250/31

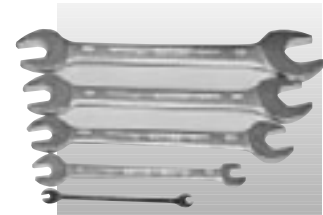
**Double-ended ring wrench**



Article no.: 14 11 55

Sizes: ring wrench sizes 13 + 17

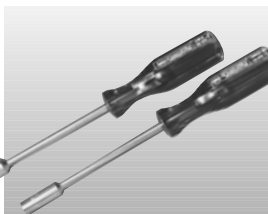
**Double-ended open-jawed wrench**



Available in sizes: Article no.:

5 + 5.5	14 11 96
10 + 13	14 11 56
17 + 19	14 11 57
21 + 24	14 11 59
24 + 30	14 11 58

**Socket head screwdriver with handle**



Available in sizes: Article no.:

8	14 11 74
10	14 11 72

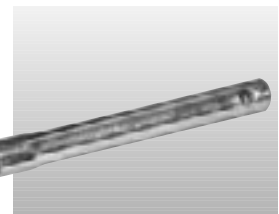
**Single-ended open-jawed wrench**



Available in sizes: Article no.:

6	14 11 67
7	14 11 91
8	14 11 75
10	14 11 60
13	14 11 61
17	14 11 68
19	14 11 76
24	14 11 94
27	14 11 77

**Hexagonal tubular socket wrench**



Available in sizes: Article no.:

13	14 11 92
----	----------

# Accessories

Tools

**Ball head type hex driver**



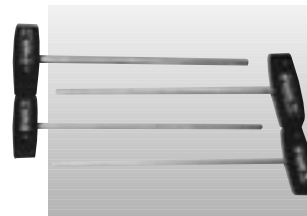
Available in sizes:

3  
4  
5  
6  
8

Article no.:

14 11 63  
14 11 64  
14 11 65  
14 11 49  
14 11 50

**Hexagonal key with handle**



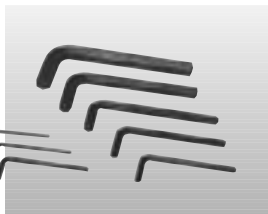
Available in sizes:

2.5  
3  
4  
5  
6

Article no.:

14 11 51  
14 11 78  
14 11 79  
14 11 80  
14 11 81

**Hexagonal screwdriver - short**



Available in sizes:

2.5  
3  
4  
5  
6  
8  
10

Article no.:

14 11 71  
14 11 47  
14 11 70  
14 11 48  
14 11 69  
14 11 53  
14 11 66

**Screwdriver**

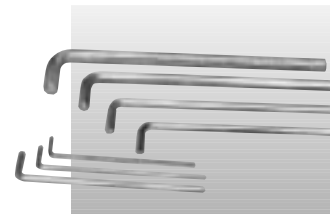


Article no.:

14 11 52

Size: w 3.5 x l 90 mm

**Hexagonal screwdriver - long**



Available in sizes:

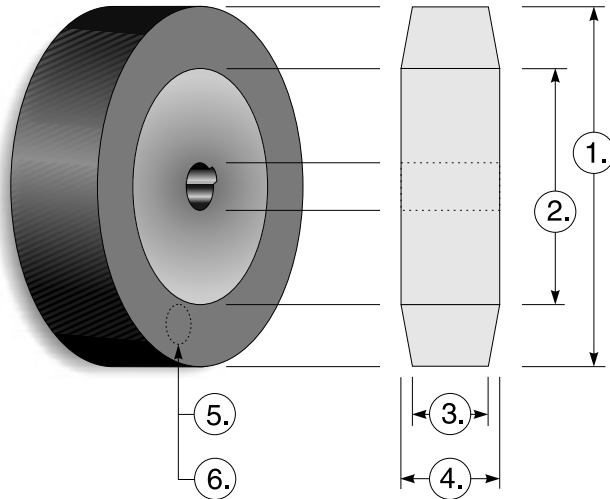
1.5  
2.5  
3  
4  
5  
6  
8  
10

Article no.:

14 11 83  
14 11 84  
14 11 85  
14 11 86  
14 11 87  
14 11 88  
14 11 89  
14 11 90

# Rotary printing cylinders

# Tampon rollers



## Detailed construction of a tampon roller

The tampon roller is defined as follows (in mm):

- ① Roller diameter
- ② Aluminium core diameter
- ③ Printing width (silicone)
- ④ Aluminium core width
- ⑤ Silicone quality (silicone colour)
- ⑥ Silicone hardness (Shore hardness)

The variety of applications and the numerous tampon roller criteria (such as different quality, Shore hardness, diameter ...) makes it necessary to determine the article number for each roller individually.

### Please take into account:

Our tampon rollers are available in two different silicone qualities (see chart ⑤).

**Quality 36** (⑤ internal ident no. and part of article no.) refers to a softer white silicone quality available only in Shore degrees **6, 12, 18, 24**⑥.

**Quality** (⑤ internal ident no. and part of article no.) refers to a harder reddish-brown silicone quality available only in Shore degrees **24, 40, 55, 70**⑥.

The first two digits of the 6-digit article number refer to the quality. The last 3 digits of the article number describe the criteria: roller diameter①, aluminium core②, printing width③ and aluminium core width④ and are precisely defined in the tables. Please see the next 3 pages to learn how to assign the three digits.

Now there is only one digit missing in the article number. This digit describes the desired silicone hardness ⑥. Please look at the legends to determine this digit. (also see Application Instructions.)

**Example: you need a tampon roller of white silicone quality with a diameter of 101 mm, a printing width of 35 mm, an aluminium core width of 50 mm, a core diameter of 80 mm and a Shore hardness of 18.**

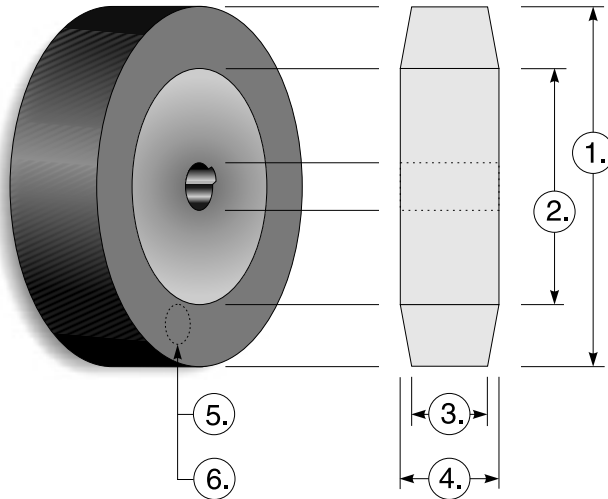
You know from the table that the desired tampon roller corresponds to the last number **052**. The white silicone mass refers to quality **36**. The Shore hardness of 18 is described by the digit 6 in the legend. Now you have the article number: **366052**

**36** (for quality) **6** (for Shore hardness) **052** (for tampon roller)

All available tampon rollers in quality 36 and 37 are shown on a separate page. The last page provides some application instructions to facilitate the selection.

# Tampon rollers

Rotary printing  
Quality 36



## Detailed construction of a tampon roller

The tampon roller is defined as follows (in mm):

- ① Roller diameter
- ② Aluminium core diameter
- ③ Printing width (silicone)
- ④ Aluminium core width
- ⑤ Silicone quality (silicone colour)
- ⑥ Silicone hardness (Shore hardness)

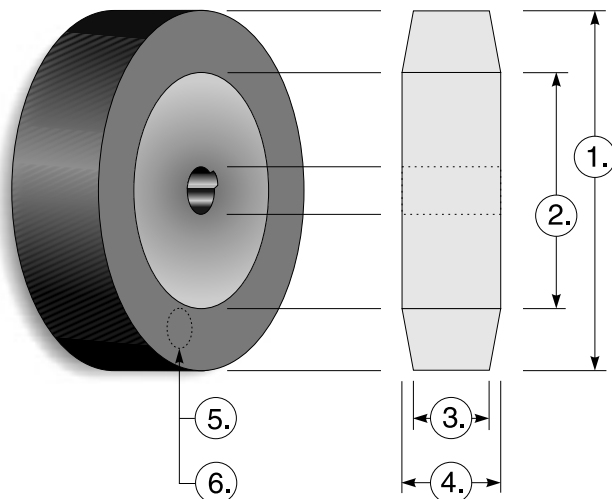
## Quality 36

White silicone core

No.	Shore hardness
1	= 24 Shore
4	= 6 Shore
5	= 12 Shore
6	= 18 Shore

Art. no.	Tampon roller Ø ①	Printing width ③	Core width ④	Core Ø ②	Tampon number
36 .. 906	100	200	200	80	906
36 .. 062	100,5	12	21	80	062
36 .. 066	100,5	20	20	80	066
36 .. 061	100,5	27	27	55	061
36 .. 063	100,5	27	27	80	063
36 .. 057	100,5	45	50	80	057
36 .. 064	100,5	50	50	80	064
36 .. 099	100,5	60	60	80	099
36 .. 107	100,5	95	100	80	107
36 .. 055	101	27	27	80	055
36 .. 052	101	35	50	80	052
36 .. 054	101	45	50	80	054
36 .. 056	101	50	50	80	056
36 .. 100	101	60	60	50	100
36 .. 101	101	60	60	80	101
36 .. 102	101	75	100	50	102
36 .. 103	101	75	100	80	103
36 .. 104	101	95	100	50	104
36 .. 105	101	95	100	80	105
36 .. 106	101	100	100	80	106
36 .. 152	101	150	150	80	152
36 .. 913	201	8	8	190	913
36 .. 910	201	27	27	160	910
36 .. 914	201	34	38	180	914
36 .. 912	201	35	35	160	912
36 .. 911	201	90	100	160	911
36 .. 908	201	100	100	160	908

# Tampon rollers



## Detailed construction of a tampon roller

The tampon roller is defined as follows (in mm):

- ① Roller diameter
- ② Aluminium core diameter
- ③ Printing width (silicone)
- ④ Aluminium core width
- ⑤ Silicone quality (silicone colour)
- ⑥ Silicone hardness (Shore hardness)

## Quality 37

Reddish brown  
silicone core

### No. Shore hardness

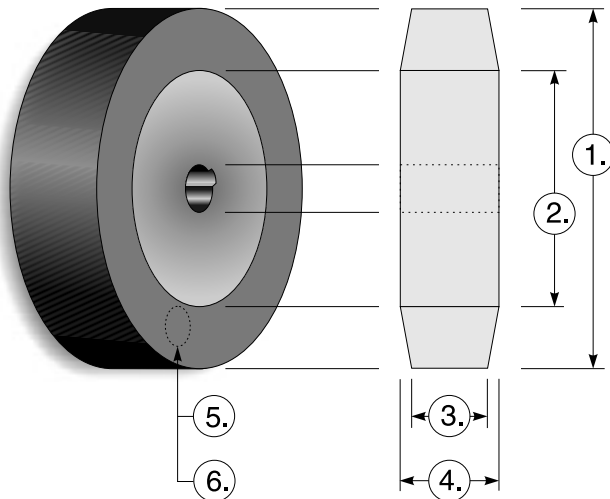
1	=	24 Shore
7	=	40 Shore
8	=	55 Shore
9	=	70 Shore

Art. no.	Tampon roller Ø ①	Printing width ③	Core width ④	Core Ø ②	Tampon number
37 .. 151	100	150	150	80	151
37 .. 906	100	200	200	80	906
37 .. 062	100,5	12	21	80	062
37 .. 066	100,5	20	20	80	066
37 .. 063	100,5	27	27	80	063
37 .. 057	100,5	45	50	80	057
37 .. 064	100,5	50	50	80	064
37 .. 099	100,5	60	60	80	099
37 .. 107	100,5	95	100	80	107
37 .. 060	101,3	27	27	80	060
37 .. 080	101,5	50	50	80	080
37 .. 008	101	8	8	80	008
37 .. 050	101	10	10	80	050
37 .. 055	101	27	27	80	055
37 .. 051	101	35	50	50	051
37 .. 052	101	35	50	80	052
37 .. 053	101	45	50	50	053
37 .. 054	101	45	50	80	054
37 .. 056	101	50	50	80	056
37 .. 100	101	60	60	50	100
37 .. 101	101	60	60	80	101
37 .. 102	101	75	100	50	102
37 .. 103	101	75	100	80	103
37 .. 104	101	95	100	50	104
37 .. 105	101	95	100	80	105
37 .. 106	101	100	100	80	106
37 .. 152	101	150	150	80	152

see next page

# Tampon rollers

Rotary printing  
Quality 37



## Detailed construction of a tampon roller

The tampon roller is defined as follows (in mm):

- ① Roller diameter
- ② Aluminium core diameter
- ③ Printing width (silicone)
- ④ Aluminium core width
- ⑤ Silicone quality (silicone colour)
- ⑥ Silicone hardness (Shore hardness)

## Quality 37

Reddish brown  
silicone core

### No. Shore hardness

1	=	24 Shore
7	=	40 Shore
8	=	55 Shore
9	=	70 Shore

Art. no.	Tampon roller Ø ①	Printing width ③	Core width ④	Core Ø ②	Tampon number
37 .. 913	201	8	8	190	913
37 .. 010	201	19	19	160	010
37 .. 910	201	27	27	160	910
37 .. 914	201	34	38	180	914
37 .. 912	201	35	35	160	912
37 .. 067	201	36	41	160	067
37 .. 907	201	50	50	160	907
37 .. 909	201	65	65	180	909
37 .. 911	201	90	100	160	911
37 .. 908	201	100	100	160	908
37 .. 905	201	100	100	180	905
37 .. 200	201	200	200	180	200

### Application instructions:

Select the tampon roller taking into account the print image dimensions and the surface form/structure of the material to be printed.

The silicone<sup>®</sup> printing width is determined by the print image width. The tampon roller should be approx. 5 mm wider at each side than the print image width.

The surface form of the material to be printed determines the thickness of the silicone layer. Bevelled material where the tampon must adapt to the surface

requires a thicker silicone layer. It is possible that you will have to choose a smaller aluminium core<sup>®</sup>.

The surface structure of the material to be printed determines the hardness of the silicone layer<sup>®</sup>. The rougher and coarser the structure, the harder the silicone must be in order to achieve a sharp print (and the higher the pressure force of the machine must be).

The silicone layer is tapered towards the printing area which increases the smooth tampon roller operation as the printing area is supported at the sides (aluminium width<sup>®</sup> and printing width<sup>®</sup>).

