Tampon printing machines
Special machines construction
Laser systems and automations

ORIGINAL
TAMPOPRINT®
Germany

Distributed by:

AMTEC

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2000 ACCESSORIES

CLICHES TAMPON ROLLERS & MORE

Info

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**	

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

Fax: 07150 928-425 / -434

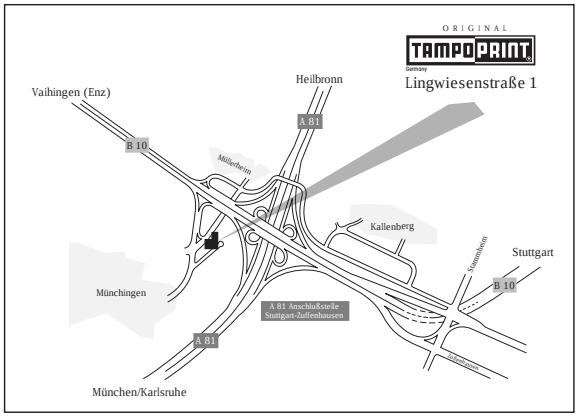
Do you need technical support?

Our techncial 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, via internet: www.tampoprint.de, or call our local agencies.

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TAMPOPRINT®

Germany

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Please return in a window envelope or send as fax to **+49 7150 928-40**

Product no.	Product name	Quantity/pieces

Date: _____ **Signature:** _____

Please send us brochures on (please check the box):

- ☐ Standard machines
- ☐ Special machine construction
- ☐ Laser systems and automations
- ☐ Cliché manufacturing and production
- ☐ Rotary printing
- ☐ Application technologie
- ☐ TP News
- ☐ Contact person

General

General accessories

Accessories

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.

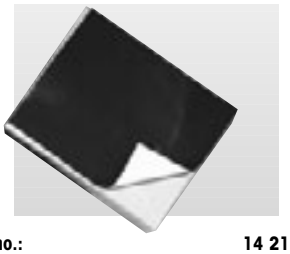
Application:
cleans the cliché, in particular for dried ink residue - without CFC -

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**

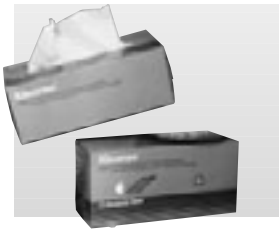
500 sheets, black-white

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**

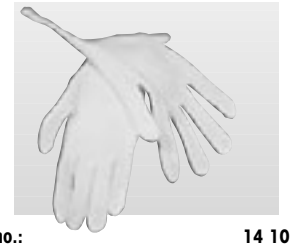
"liquid gloves", contents 250 ml, can be washed off with warm water

Longlife oil

Article no.: **14 11 12**

increases the tampon service life
Contents approx. 450 gr.

Textile gloves



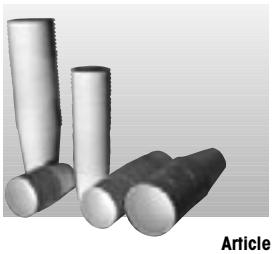
Article no.: **14 10 45**

1 pair

Accessories

General accessories

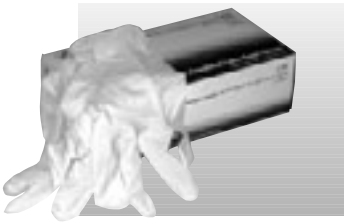
Paper cups 0.22 l / 0.5 l



0.22 l	**Article no.:**
50 pcs. unit	**14 10 39**
10 pcs. unit	**14 10 40**

0.5 l	**Article no.:**
50 pcs. unit	**14 10 38**
10 pcs. unit	**14 10 37**

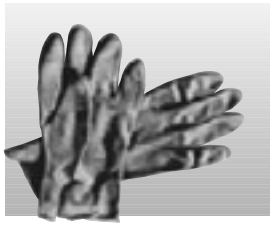
Latex gloves



Article no.: **14 10 50**

Box contents: 100 pairs

Neopren gloves



Article no.: **14 12 07**

1 pair, acid-proof, size 9 ½

Safety metering container

Article no.: **14 10 51**

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

Metering container

Article no.: **14 10 22**

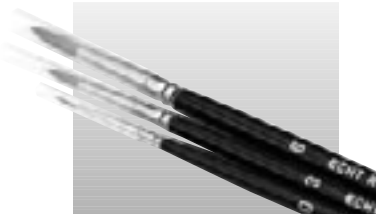
volume approx. 500 ml

Spraying bottle

Article no.: **14 10 16**

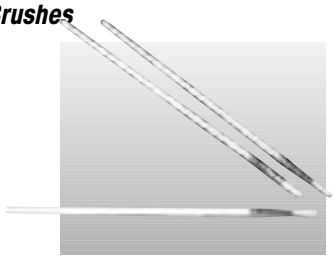
volume approx. 500 ml

Red martin brush



Size:	**Article no.:**
Size 0	**14 11 04**
Size 3	**14 11 05**
Size 6	**14 11 06**

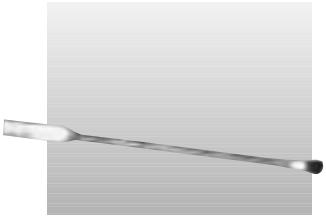
Brushes



Article no.: **14 11 07**

Size 12

Metal mixing spatula

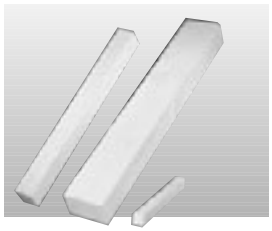


Article no.: **14 21 73**

General accessories

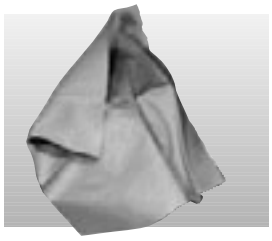
Accessories

Oil lapping stones



Size:	Article no.:
380 x 60 x 40 mm	**14 22 01**
290 x 30 x 30 mm	**14 21 68**
150 x 16 x 16 mm	**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:	Article no.:
30 l	**12 94 01**
1 l	**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 vaccuum 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**

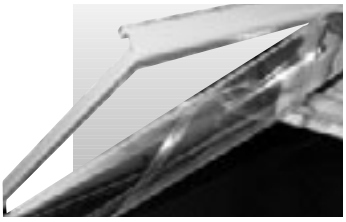
Maximum exposure area 350 x 150 mm, without vaccuum suction
Outer dimension: h 110 x w 500 x d 340 mm
4 UV tubes à 15 watts, 220 volts connection
Halftone blocks are only partly possible.

Exposure unit

Article no.: **14 21 97**

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

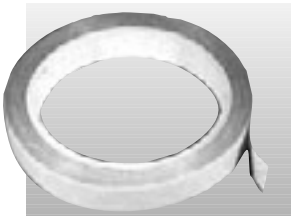
Spare foil



Article no.: **14 22 12**

for exposure units with vaccuum 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 vaccuum suction

Cliché

Screen films (examples)

screen 120 / 86%

Size:	Article no. :
200 x 250 mm	**31 00 16**
200 x 500 mm	**31 00 17**

for Aqua-Nylo-and Magnet Screen clichés, depth approx. 40 mµ

screen 120 / 70%

Size:	Article no. :
200 x 250 mm	**38 00 16**
200 x 500 mm	**38 00 26**

for Magnet Screen clichés, depth approx. 30 mµ

screen 100 / 86%

Size:	Article no. :
200 x 250 mm	**31 00 27**
200 x 500 mm	**31 00 28**

for Aqua-Nylo-and Magnet Screen clichés, depth approx. 48 - 50 mµ

screen 80 / 80%

Size:	Article no.:
200 x 250 mm	**44 00 09**

for Record Special clichés, depth depending on etching time

screen 80 / 80%

Size:	Article no.:
200 x 250 mm	**31 00 23**
200 x 500 mm	**31 00 24**

for Aqua-Nylo-and Magnet Screen clichés, depth approx. 60 - 70 mµ

screen 54 / 80%

Size:	Article no.:
200 x 250 mm	**31 00 25**
200 x 500 mm	**31 00 26**

for Aqua-Nylo-and Magnet Screen clichés, depth approx. 88 - 90 mµ

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

Film mounting foils

open printing system

Format:	Article no.:
200 x 500 mm	**31 00 39**

Millimeter foil

sealed printing system

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

Punching corresponds to the hole pattern of our foil clichés

Film mounting plates

open printing system

Format:	Article no.:
200 x 500 mm	**31 00 05**

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

sealed printing system

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

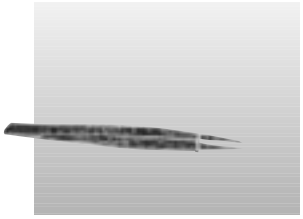
With 4 registration pins, engraved crosshairs to determine the tampon contact point and engraved auxiliary circle (maximum print image diameter)

R 241 washing agent

Article no.: **31 00 20**

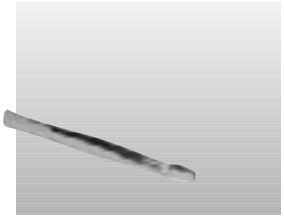
for Magnet Screen clichés, contents 20 ltr

Film tweezers, pointed head



Article no.: **14 11 62**

Film tweezers, flat head



Article no.: **44 00 13**

Red martin brush, 0/3/6

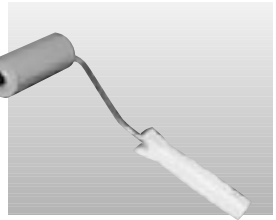
Article no.:

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**

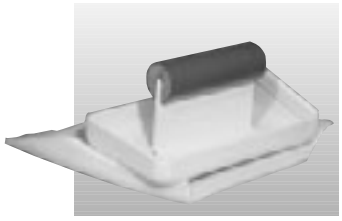
Film cleaning roller



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

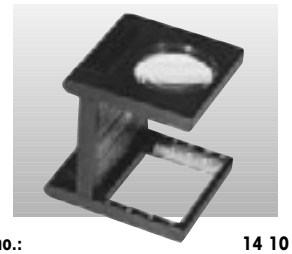


Article no.:

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

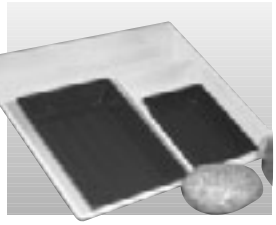
Hot-air drier

Article no.: **31 00 29**

Goggles

Article no.: **44 00 07**

Washout tray without lid



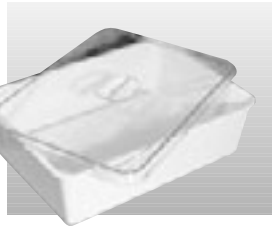
Article no.: **44 00 03**
Useable area 130 x 180 mm, height 40 mm

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

Cliché

Cliché production
Specific accessories

Record developer

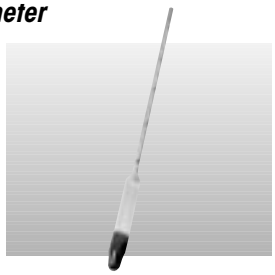
Article no.: **44 00 06**
Contents: 1 l

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

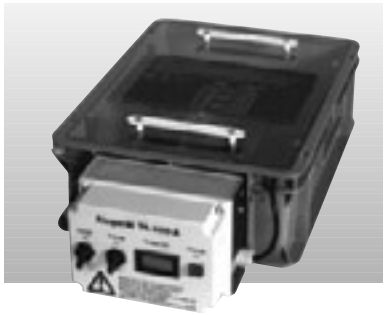
Covering varnish

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

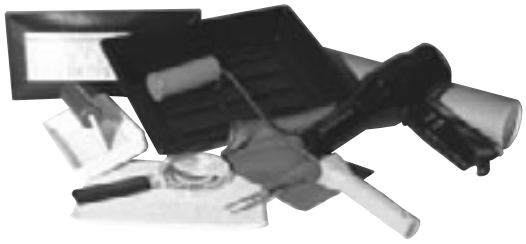
In addition, the cliché must be secured to the magnetic plate by a PP adhesive tape !

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

Cliché production
Basic equipment examples

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

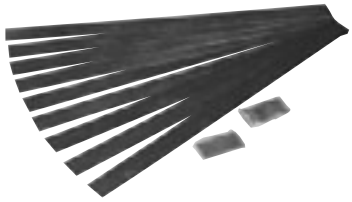
Doctor blades

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**
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**
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	**12 04 01**
30 l container	**12 94 01**

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

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

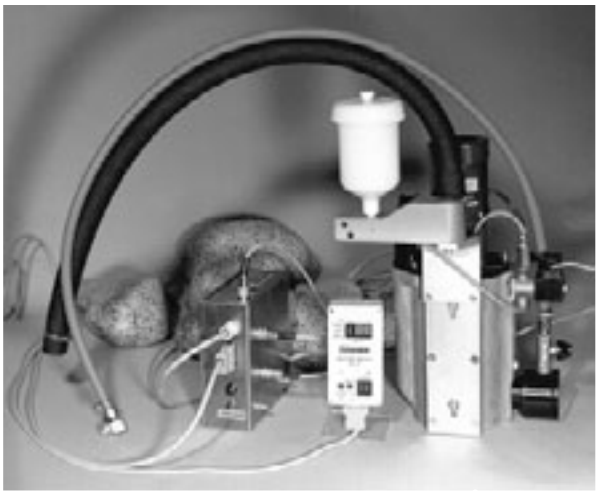
Application:
Cleans all TAMPOPRINT machine parts that are to be cleaned from one-component-ink. The set is not explosion-proof. Only use detergents with a flash point of > 40°C.

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.

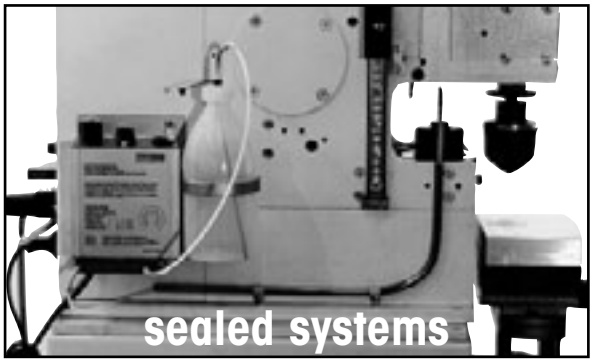
Technical details:
Equipped with a viscosity testing device; solvent dosing control electronics, mixing device in the ink cup. Special gear wheel pump.

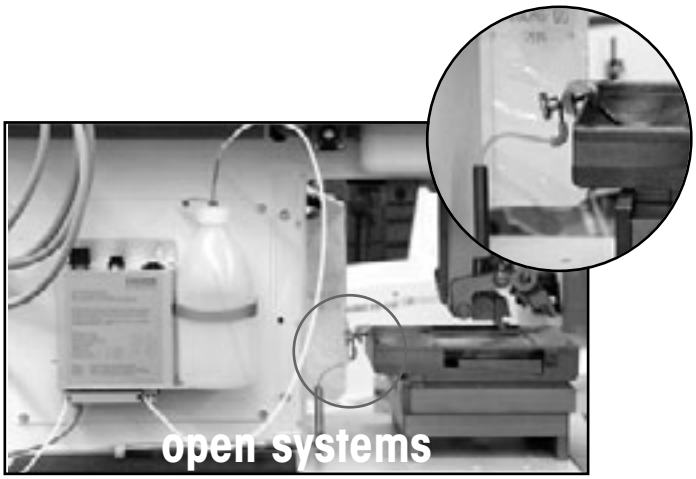
Technical data:

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

Special accessories

Thinner metering systems





Mono thinner metering system for sealed systems

Article no.: **02 05 12**

without ink/doctoring cup

Advantages:
The laborius 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 availabilty.

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[1]	**02 30 65**	**02 30 55**	**02 50 94**	**25 50 86**
Hermetic 90[1]	**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
[1] only with separate counter or manual operation

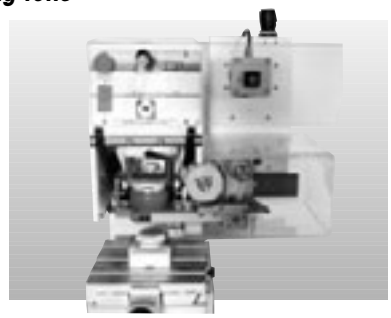
Function:
Automatic cleaning of tampon from ink residues before a print stoppage to avoid ink residues to dry up on tampon or after a print stoppage, to remove dried-up ink residues. You can choose between automatic cleaning cycles or manual connection.

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 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**

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 Cleaning cycles per foil roll Feed per cycle	w 55 mm x l 28 m approx. 6,500 cycles approx. 8 mm	**14 22 14**
Cup size Ø 90 mm Cleaning cycles per foil roll Feed per cycle	w 85 mm x l 28 m approx. 5,000 cycles 10 mm	**14 22 15**
Cup size Ø 130 mm Cleaning cycles per foil roll Feed per cycle	w 125 mm x l 28 m approx. 3,800 cycles 12 mm	**14 22 16**
Cup size Ø 150 mm Cleaning cycles per foil roll Feed per cycle	w 145 mm x l 28 m approx. 3,800 cycles 12 mm	**14 22 21**

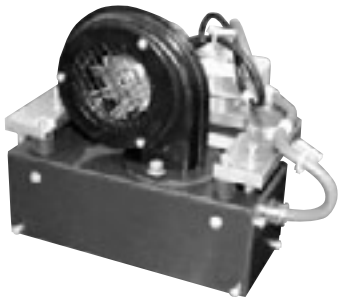
Ink residue pick up system without preselection, with manual operation.

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**

Special accessories

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

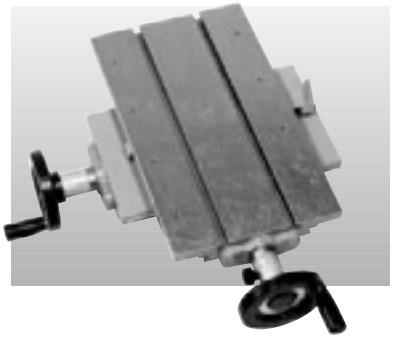
Technical details:

- 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	Housing Width mm	Housing 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	340/1Built-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	340/2Built-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	500/2Built-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 spindels 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.

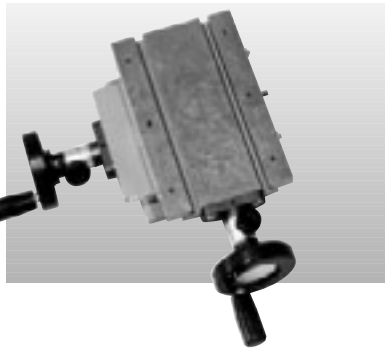
Cross support large

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

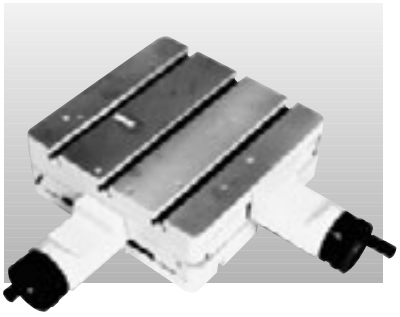
Included in delivery:

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**

Special accessories

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.

Technical data:

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
1graduation 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.

Technical data:

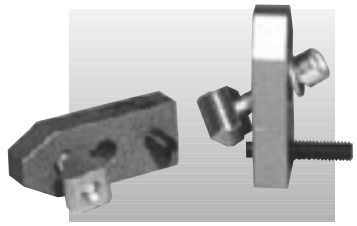
Clamping surface	195 x 125 mm
z-axis	+/- 20 mm
x-axis	+/- 10 mm
y-axis	+/- 10 mm
1 turn of the adjusting wheel = direction of displacement	1 mm
1 graduation mark	0.05 mm
Load capacity	800 N
Weight	4 kg

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

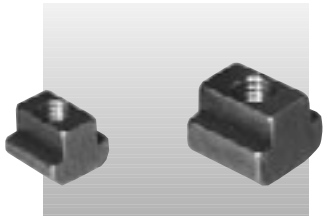
Clamping iron



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

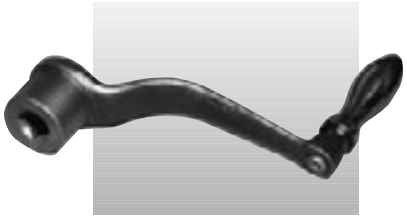
White touch up lacquer

Article no: **14 11 97**

Container:	1 l (1-component ink)
Ink shade:	RAL 9001

Application:
Touching up TAMPOPRINT tampon printing machines.

Crank handle



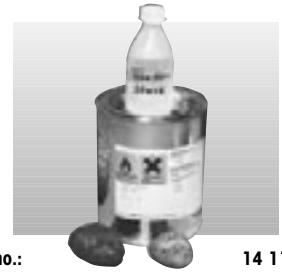
Models	**Article no.:**
for TS 250/31	**14 11 98**
for all other models	**23 02 57**

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

Technical data:

elbowed size 14	**14 11 98**
elbowed size 10	**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**

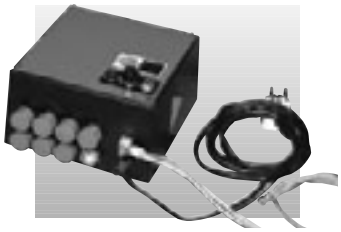
Container:	1 l + "Strck." hardener 100 ml
Colour shade:	RAL 60 11
Mixing ratio:	1 kg ink = 30 ml hardener

Application:
Touching up TAMPOPRINT tampon printing machines.

Special accessories

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.

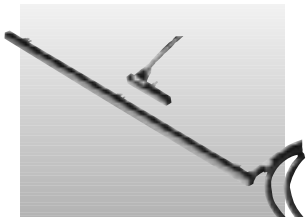
Warning:
Can only be operated with inline low pressure fine filter.

Low pressure fine filter

Article no.: **23 86 28**

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

Tampon ionizing rods

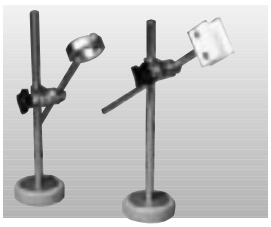


Size	Article no.:
length 100 mm	**02 06 20**
length 190 mm	**02 06 11**
length 350 mm	**02 06 12**
length 600 mm	**02 06 13**

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

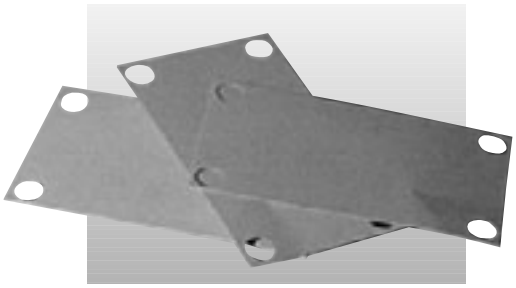


Article	Article no.:
for spray head	**23 86 27**
for ionizing rod	**23 86 26**

Sealed systems

Accessories

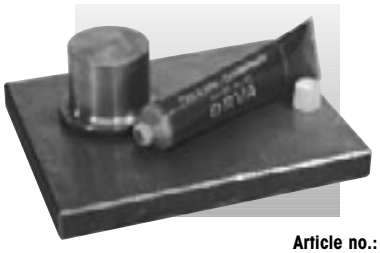
Interleaving paper



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

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



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

Accessories

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

Doctoring cups

	Article no.:
Standard model, metal	**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

	Article no.:
for standard and overhead printing doctoring cups	**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

	Article no.:
packing unit with 10 pcs.	**14 34 23**

Holding plates

	Article no.:
Magnetic holding plate for Magnet Screen and Record clichés with 4 registration pins and inserted retaining magnets	**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

		Article no.:
Steel cliché		**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**

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

Accessories

Doctoring cups

	Article no.:
Standard model, plastic cup 30° - beveled thrust collar flange	**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	**09 00 21**
3 - colours, 2 separators (metal), metal cup	**09 00 22**

Thrust collar

	Article no.:
for standard doctoring cup	**09 00 87**
for overhead and multicolour doctoring cups	**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

	Article no.:
packing unit with 10 pcs.	**14 34 24**

Foil rolls for ink residue pick up system

	Article no.:
Width 55 mm, length approx. 28 m	**14 22 14**
Width 59 mm, length approx. 28 m	**14 22 23**

Holding plates

	Article-no.:
Magnetic holding plate for Magnet Screen and Record clichés with 4 positioning pins and inserted retaining magnets	**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

		Article no.:
Steel cliché		**27 00 70**
Record clichés	packing unit with 10 pcs.	**44 14 70**
Magnet Screen clichés	packing unit with 10 pcs.	**31 14 70**
Aloxid clichés	packing unit with 10 pcs.	**41 14 70**

Film mounting plates

Article no.:	**44 14 71**

Film mounting foils

	Article no.:
packing unit with 10 pcs.	**44 40 02**

Accessories

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

Doctoring cups

	Article no.:
Standard model, plastic cup 30° - beveled thrust collar flange	**09 00 31**
2-colours, central separator, metal cup 30° - beveled thrust collar flange	**09 00 58**

Thrust collar

	Article no.:
for standard doctoring cup	**09 00 79**
for multicolour doctoring cups	**09 01 27**

Cliché storage rack

Article no.:	**09 00 93**

Mounting table

	Article no.:
for standard doctoring cup	**09 00 63**
for multicolour doctoring cup	**09 01 50**

Gripping tongs

	Article no.:
for standard doctoring cup	**09 00 73**
for multicolour doctoring cup	**09 01 40**

Interleaving paper

	Article no.:
packing unit with 10 pcs.	**14 34 25**

Foil rolls for ink residue pick up system

	Article no.:
Width 85 mm, length approx. 28 m	**14 22 15**

Holding plates

	Article no.:
for Magnet Screen and Record clichés with 4 registration pins and inserted retaining magnets	**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

		Article no.:
Steel cliché		**27 00 75**
Record clichés	packing unit with 10 pcs.	**44 10 22**
Magnet Screen clichés	packing unit with 10 pcs.	**31 22 10**
Aloxid clichés	packing unit with 10 pcs.	**41 10 22**

Film mounting plates

Article no.:	**44 10 23**

Film mounting foils

	Article no.:
packing unit with 10 pcs.	**44 40 03**

Sealed systems
Doctoring cup Ø 130 mm
Cliché size 150 x 300 mm

Accessories

Doctoring cups

	Article no.:
Standard model, metal cup 30° - beveled thrust collar flange	**09 00 51**
2-colours, central separator, metal cup 30°- beveled thrust collar flange	**09 00 59**

Thrust collar

	Article no.:
for standard doctoring cup	**09 00 80**
for multicolour doctoring cups	**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

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

Foil rolls for ink residue pick up system

	Article no.:
Width125 mm, length approx. 28 m	**14 22 16**

Holding plates

	Article no.:
for Magnet Screen and Record clichés with 4 registration pins and inserted retaining magnets	**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

		Article no.:
Steel cliché		**27 00 80**
Record clichés	packing unit with 10 pcs.	**44 30 15**
Magnet Screen clichés	packing unit with 10 pcs.	**31 30 15**
Aloxid clichés	packing unit with 10 pcs.	**41 30 15**

Film mounting plates

Article no.:	**44 30 16**

Film mounting foils

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

Accessories

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

Doctoring cup

	Article no.:
Standard model, metal cup 30° -beveled thrust collar flange	**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

	Article no.:
packing unit with 10 pcs.	**14 34 27**

Foil rolls for ink residue pick up system

	Article no.:
Width 145 mm, length approx. 28 m	**14 22 21**

Holding plates

	Article no.:
for Magnet Screen and Record clichés with 4 registration pins and inserted retaining magnets	**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

		Article no.:
Steel cliché		**27 00 82**
Record clichés	packing unit with 10 pcs.	**44 35 16**
Magnet Screen clichés	packing unit with 10 pcs.	**31 35 16**
Aloxid clichés	packing unit with 10 pcs.	**41 35 16**

Film mounting plates

Article no.:	**44 30 17**

Film mounting foils

	Article no.:
packing unit with 10 pcs.	**44 40 05**

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

Accessories

Doctoring cup

	Article no.:
Standard model, metal cup 30° -beveled thrust collar flange	**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

	Article no.:
packing unit with 10 pcs.	**14 34 28**

Foil rolls for ink residue pick up system

	Article no.:
Width 205 mm, length approx. 28 m	**14 22 22**

Holding plates

	Article no.:
for Magnet Screen and Record clichés with 4 registration pins and inserted retaining magnets	**14 34 17**

Raw material cliché - non-etched

		Article no.:
Steel cliché		**27 55 00**
Record cliché	packing unit with 10 pcs.	**44 55 00**
Magnet Screen cliché	packing unit with 10 pcs.	**31 55 00**

Film mounting plates

Article no.:	**44 30 18**

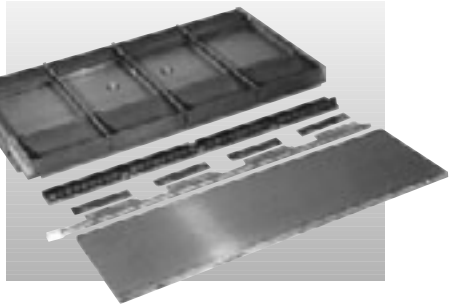
Film mounting foils

	Article no.:
packing unit with 10 pcs.	**44 40 06**

Open systems

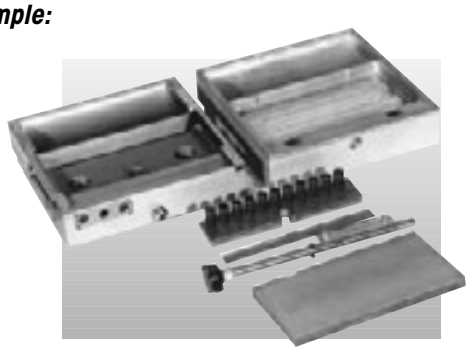
Accessories

Example for multicolour equipment



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

Example:

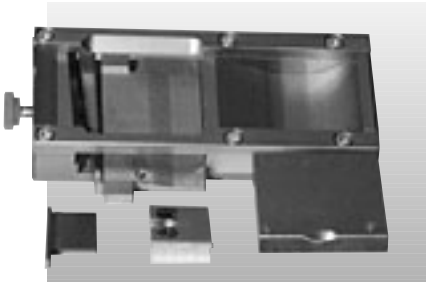


from top to bottom:
cliché holder (left), ink well (right), doctor blade carrier, ink spatula, ink spatula holder, steel cliché

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	**226050**	**246050**	**186050**	**471050**	**143007**	**1**
50x100	**226100**	**246100**	**186100**	**471100**	**143008**	**1**

Tampon holder Art. no.: **213005**

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**

Accessories

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	**221050**	**241050**	**151050**	**181000**	**181050**	**143099**	**471050**	**1**
100x80	**221080**	**241080**	**151080**	**181000**	**181080**	**143100**	**471080**	**1**
100x100	**221100**	**241100**	**151100**	**181000**	**181100**	**143101**	**471100**	**1**
100x125	**221125**	**241125**	**151125**	**181001**	**181125**	**143102**	**471125**	**1**
100x190	**221190**	**241190**	**151190**	**181001**	**181190**	**143103**	**471190**	**1**
100x260	**221260**	**241260**	**151260**	**181001**	**181260**	**143104**	**471260**	**1**
100x350	**221350**	**241350**	**151350**	**181001**	**181350**	**143105**	**471350**	**1**
100x400	**221400**	**241400**	**151400**	**181001**	**181400**	**143107**	**471400**	**1**

- multicolour

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

Ink spatulas are included in multicolour spatula holders!

Tampon couplings:	**21 10 01**
	21 10 05
	21 10 04
	21 10 07
Tampon holder: 2-colours	**21 10 06**
4-colours-ML	**21 19 00**
4-colours-MR	**21 19 01**
5-colours-ML	**21 19 05**
Tampon displacement coupling:	**21 10 02**
Nut:	**23 10 35**
T-bolts:	**21 19 09**

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	**221101**	**-**	**241101**	**181100**	**181100**	**143200**	**471100**	**1**
125x125	**221126**	**151126**	**241126**	**181001**	**181126**	**143201**	**471125**	**1**
125x200	**221201**	**151201**	**244201**	**181001**	**184200**	**143206**	**471201**	**1**
125x250	**221251**	**151251**	**241251**	**181001**	**182250**	**143202**	**472250**	**1**
125x300	**221301**	**151301**	**241301**	**181001**	**184300**	**143204**	**472300**	**1**
125x400	**221401**	**151401**	**244401**	**181001**	**181400**	**143205**	**471400**	**1**
125x500	**221501**	**151501**	**244501**	**184002**	**184501**	**143203**	**474500**	**1**
125x550	**-**	**151551**	**244550**	**184002**	**182550**	**-**	**472550**	**1**

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	**221252**	**-**	**241252**	**181911**	**-**	**143202**	**471125**	**2**
125x300	**221302**	**-**	**241311**	**181002**	**181302**	**143204**	**471302**	**2**
125x400	**221403**	**-**	**241411**	**181903**	**181402**	**143205**	**471190**	**2**
125x500	**221500**	**-**	**244502**	**184502**	**-**	**143203**	**472250**	**2**
125x500	**221503**	**-**	**257022**	**181503**	**184151**	**143203**	**472140**	**3**
125x500	**221504**	**-**	**257020**	**181004**	**181126**	**143203**	**471125**	**4**

Ink spatulas are included in multicolour spatula holders!

Tampon couplings:	**21 20 01**
- 68 mm height (reducing coupling!)	**21 40 05**
- 54 mm height (reducing coupling!)	**21 40 06**
Tampon holder:	**21 15 01**
Tampon displacement coupling:	**21 20 02**
Nut:	**23 10 35**
T-bolts:	**21 19 10**

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	**224100**	**-**	**241101**	**181001**	**184101**	**143309**	**471100**	**1**
150x150	**224150**	**154151**	**244151**	**181001**	**184151**	**143301**	**172140**	**1**
150x200	**-**	**154200**	**244201**	**181001**	**184200**	**143308**	**472200**	**1**
150x250	**224250**	**154250**	**244251**	**181001**	**184251**	**143302**	**472250**	**1**
150x300	**224300**	**154300**	**244301**	**181001**	**184301**	**143303**	**472300**	**1**
150x400	**224400**	**154400**	**244401**	**181001**	**184401**	**143305**	**471400**	**1**
150x500	**224500**	**154500**	**244501**	**184002**	**184501**	**143304**	**474500**	**1**
150x550	**-**	**154550**	**244550**	**184002**	**182550**	**-**	**472550**	

- 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	**224252**	**-**	**244252**	**181911**	**181261**	**143302**	**471125**	**2**
150x300	**224301**	**-**	**244301**	**181002**	**181302**	**143303**	**471302**	**2**
150x500	**224502**	**-**	**244502**	**184502**	**181251**	**143304**	**472250**	**2**
150x500	**224503**	**-**	**257022**	**181503**	**184151**	**143304**	**172140**	**3**
150x500	**224504**	**-**	**257020**	**181004**	**181126**	**143304**	**471125**	**4**

- 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	**224256**	**154155**	**244150**	**181001**	**184151**	**143409**	**172140**	**1**
200x200	**224257**	**154201**	**244201**	**181001**	**184200**	**143401**	**472200**	**1**
200x250	**224255**	**154251**	**244250**	**181001**	**184251**	**143402**	**472250**	**1**
200x300	**224258**	**154301**	**244301**	**181001**	**184301**	**143408**	**472300**	**1**
200x400	**224259**	**154401**	**244401**	**181001**	**184401**	**143403**	**471400**	**1**
200x500	**224260**	**154501**	**244501**	**184002**	**184501**	**143404**	**474500**	**1**
200x550	**-**	**154551**	**245550**	**184002**	**182250**	**143407**	**472550**	**1**

- 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	**224552**	**-**	**244502**	**184502**	**-**	**143404**	**472250**	**2**
200x500	**224504**	**-**	**257020**	**181004**	**181126**	**143404**	**471125**	**4**

Ink spatulas are included in multicolour spatula holders!

Tampon couplings:	**21 20 01**
- 68 mm height (reducing coupling!)	**21 40 05**
- 54 mm height (reducing coupling!)	**21 40 06**
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 xw	Ink well	Doctor blade carrier	Spatula holder	Ink spatula	Doctor blade	No. of colours
250x250	**157250**	**244251**	**184001**	**184251**	**474250**	**1**
250x300	**157300**	**244301**	**184001**	**184301**	**172300**	**1**
250x500	**157500**	**244501**	**184002**	**184501**	**172500**	**1**

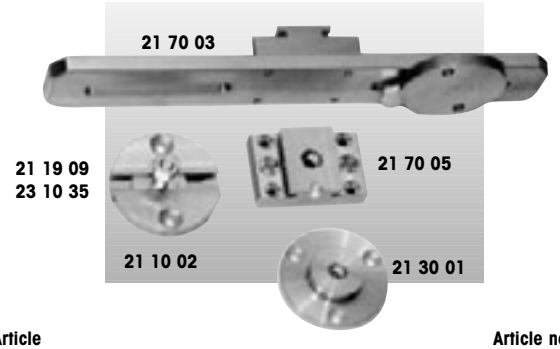
Tampon couplings:	**21 20 01**
- 68 mm height (reducing coupling!)	**21 40 05**
- 54 mm height (reducing coupling!)	**21 40 06**
Tampon holder:	**21 45 01**
Tampon displacement coupling:	**21 20 02**
Nut:	**23 10 35**
T-bolts:	**21 19 10**

Additional equipment

Accessories

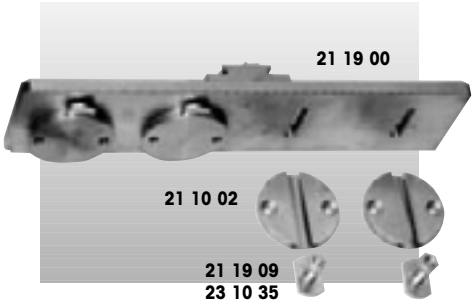
Tampon holders / tampon couplings for

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



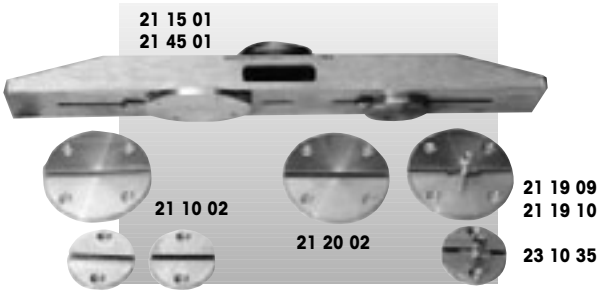
Article	Article no.:
Tampon coupling	**21 70 05**
Tampon coupling	**21 30 01**
Tampon holder 2-colour	**21 70 03**
Tampon coupling adjustable	**21 10 02**
T-bolts	**21 19 09**
Hexagon nut	**23 10 35**

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



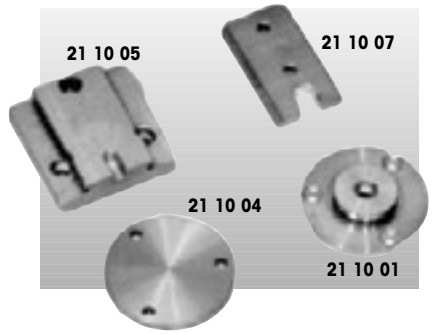
Article	Article no.:
Tampon coupling	**21 10 05**
Tampon holder 4-colour	**21 19 00**
Tampon coupling adjustable	**21 10 02**
T-bolts	**21 19 09**
Hexagon nut	**23 10 35**

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)



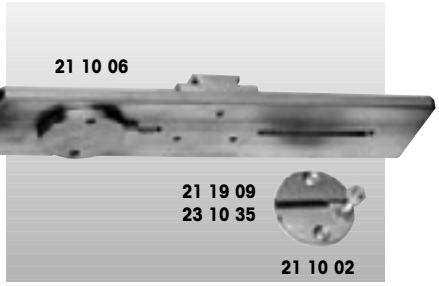
Article	Article no.:
Tampon coupling round - height approx. 15 mm	**21 10 01**
Tampon spacer coupling - height 6 mm,	**21 10 04**
To compensate the machine's tampon stroke	
when using low tampons	
Tampon coupling flat - height approx. 8 mm	**21 10 07**
Tampon coupling - height approx. 19 mm	**21 10 05**

Accessories

Additional equipment
Tampon couplings / holders

Tampon holder / Tampon spacer coupling for

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

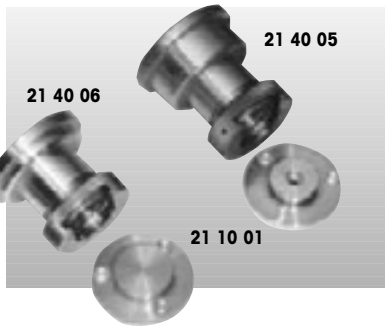


Article	Article no.:
Tampon holder 2-colour	**21 10 06**
Tampon coupling, adjustable	**21 10 02**
T-bolt	**21 19 09**
Hexagon nut	**23 10 35**

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

Article	Article no.:
Tampon coupling - height 65 mm	**21 21 00**
Tampon coupling - height 90 mm	**21 21 25**

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



Article	Article no.:
Tampon spacer coupling - height 68 mm, To compensate the machine's tampon stroke when using small or low tampons	**21 40 05**
Tampon spacer coupling short - height 54 mm, in order to compensate the machine's tampon stroke when using small or low tampons	**21 40 06**
Tampon coupling - Ø 60 mm	**21 10 01**

TS 100 EM (height adjustment)

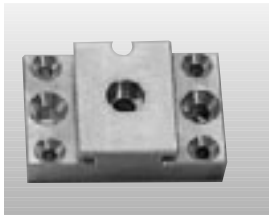
Article	Article no.:
Tampon height adjustment	**21 10 03**

Accessories

Tampon couplings - special shifting couplings

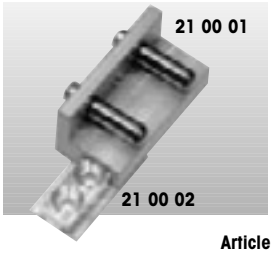
Please note the reduced tampon height

Vario 90/130



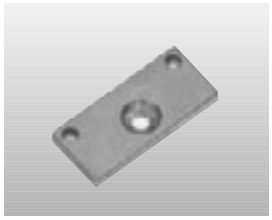
Article	Article no.:
Tampon coupling -standard -	**21 70 05**

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

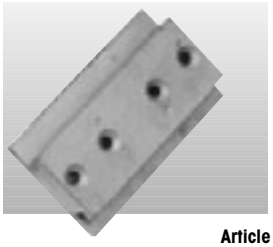


Article	Article no.:
Tampon coupling	**21 00 05**

Hermetic 90/9-11 - SIC 90

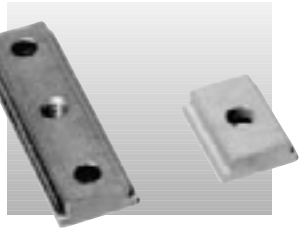
Article	Article no.:
Tampon coupling	**21 00 09**

Hermetic 150 - SIC 130 - Rapid 130



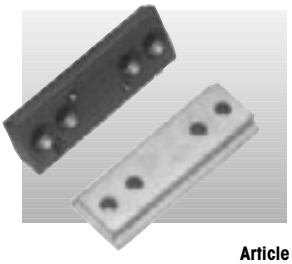
Article	Article no.:
Tampon coupling	**21 00 07**

Rapid 2000/60/1+3



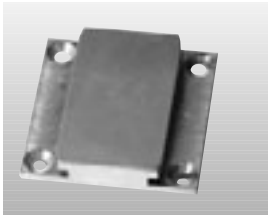
Article	Article no.:
Tampon coupling	**21 00 03**
Tampon coupling - long -	**21 00 06**

Rapid 2000/90



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

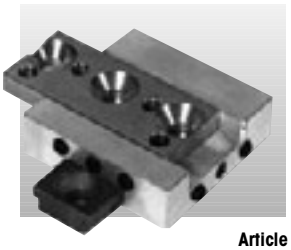
V-60/90 DUO



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

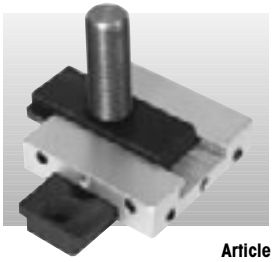
Tampon displacements

Hermetic 61



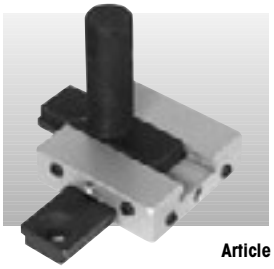
Article	**Article no.:**
Tampon displacement	**21 00 15**
Adjustment range:	top: ± 28 mm bottom: ± 30 mm
max. tampon height:	46 mm

Hermetic 90



Article	**Article no.:**
Tampon displacement	**21 00 12**
Adjustment range:	top: ± 30mm bottom: ± 40 mm
max. tampon height:	77 mm

Rapid 2000/60

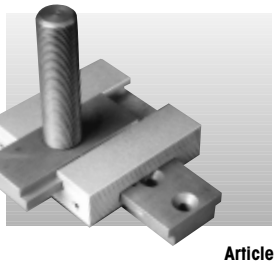


Article	**Article no.:**
Tampon displacement	**21 00 13**
Adjustment range:	top: ± 25 mm bottom: ± 30 mm
max. tampon height:	60 mm

Rapid 2000/90

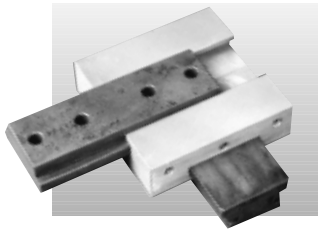
Article	**Article no.:**
Tampon displacement	**21 00 14**
Adjustment range:	top: ± 30mm bottom: ± 40 mm
max. tampon height:	95 mm

Rapid 2000/130 + Hermetic 150



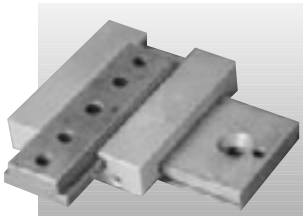
Article	**Article no.:**
Tampon displacement	**21 00 16**
Adjustment range:	top: ± 40 mm bottom: ± 50 mm
max. tampon height:	142 mm

Sealed ink cup 90



Article	**Article no.:**
Tampon displacement	**21 00 19**
Adjustment range:	top: ± 35 mm bottom: ± 40 mm
max. tampon height:	65 mm

Sealed ink cup 130

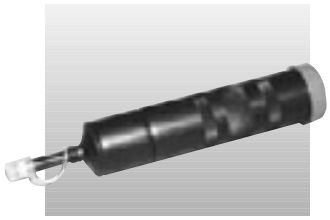


Article	**Article no.:**
Tampon displacement	**21 00 21**
Adjustment range:	top: ± 40 mm bottom: ± 50 mm
max. tampon height:	90 mm

Tools

Accessories

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**

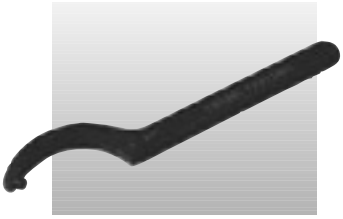
Grease gun for linear conveyor

Article no.: **14 11 99**

Application:
Linear indexing chain maintenance.

Contents: 200 g. **empty**

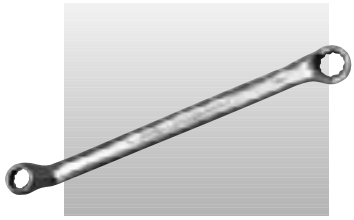
Hook wrench for tampon holder



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

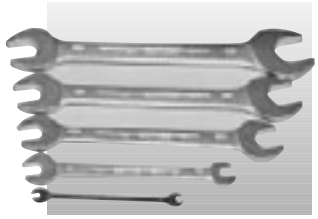
Double-ended ring wrench



Article no.: **14 11 55**

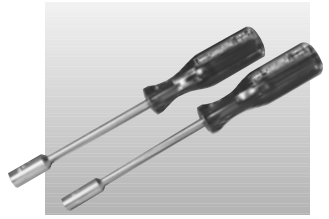
Sizes: ring wrench sizes 13 + 17

Double-ended open-jawed wrench



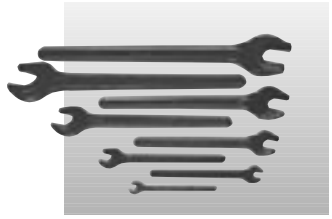
Available in sizes:	Article no.:
5 + 5.5	**14 11 96**
10 + 13	**14 11 56**
17 + 19	**14 11 57**
21 + 24	**14 11 59**
24 + 30	**14 11 58**

Socket head screwdriver with handle



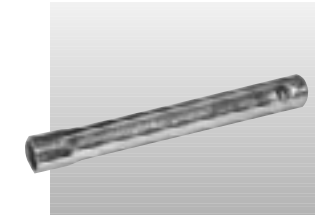
Available in sizes:	Article no.:
8	**14 11 74**
10	**14 11 72**

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**

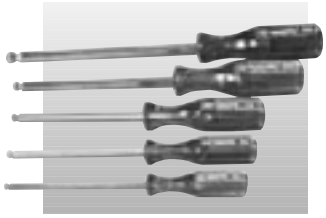
Hexagonal tubular socket wrench



Available in sizes:	Article no.:
13	**14 11 92**

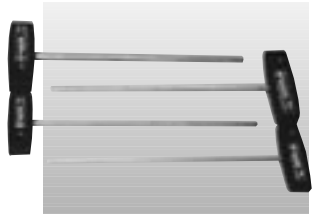
Accessories

Ball head type hex driver



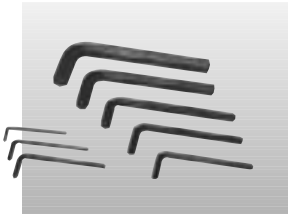
Available in sizes:	Article no.:
3	**14 11 63**
4	**14 11 64**
5	**14 11 65**
6	**14 11 49**
8	**14 11 50**

Hexagonal key with handle



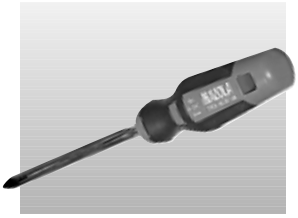
Available in sizes:	Article no.:
2.5	**14 11 51**
3	**14 11 78**
4	**14 11 79**
5	**14 11 80**
6	**14 11 81**

Hexagonal screwdriver - short



Available in sizes:	Article no.:
2.5	**14 11 71**
3	**14 11 47**
4	**14 11 70**
5	**14 11 48**
6	**14 11 69**
8	**14 11 53**
10	**14 11 66**

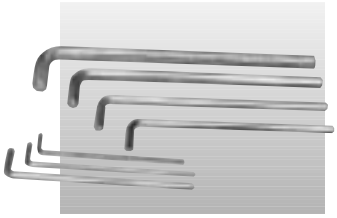
Screwdriver



Article no.: **14 11 52**

Size: w 3.5 x l 90 mm

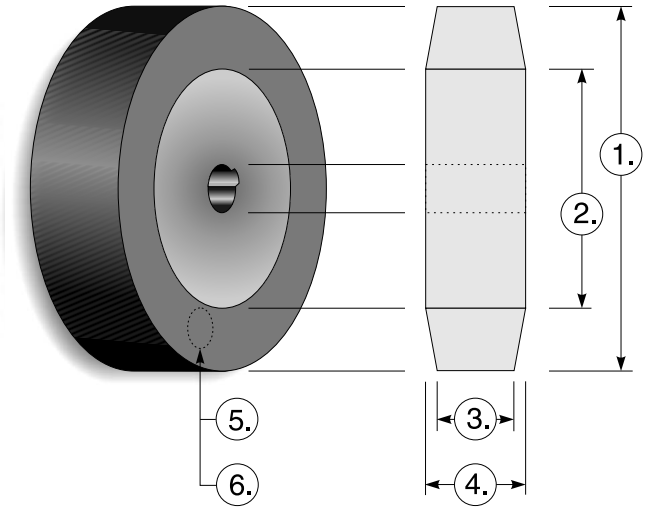
Hexagonal screwdriver - long



Available in sizes:	Article no.:
1.5	**14 11 83**
2.5	**14 11 84**
3	**14 11 85**
4	**14 11 86**
5	**14 11 87**
6	**14 11 88**
8	**14 11 89**
10	**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.

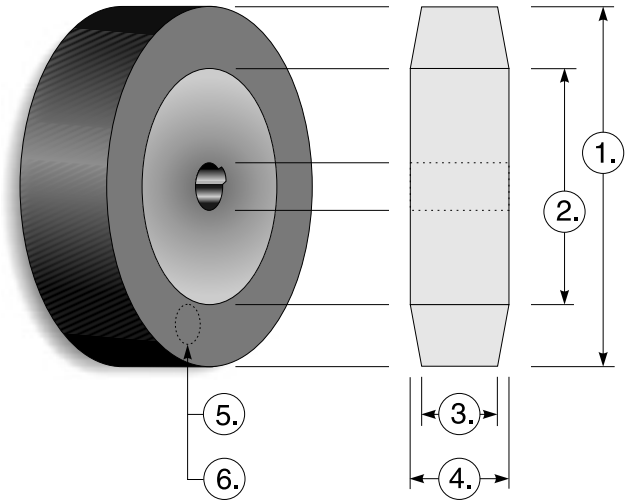
You know from the table that the desired tampon roller corresponds to the last number **052**.
The white silicone mass refers to quality **36**. The Shore hardness of 18 is described by the digit 6 in the legend.
Now you have the article number: **366052**

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



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

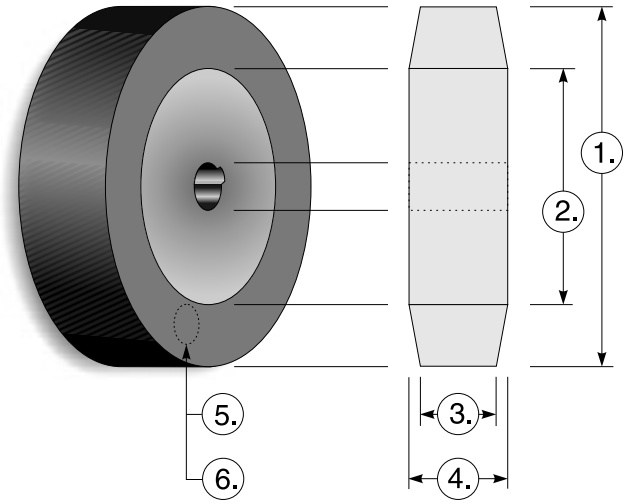
Quality 36

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

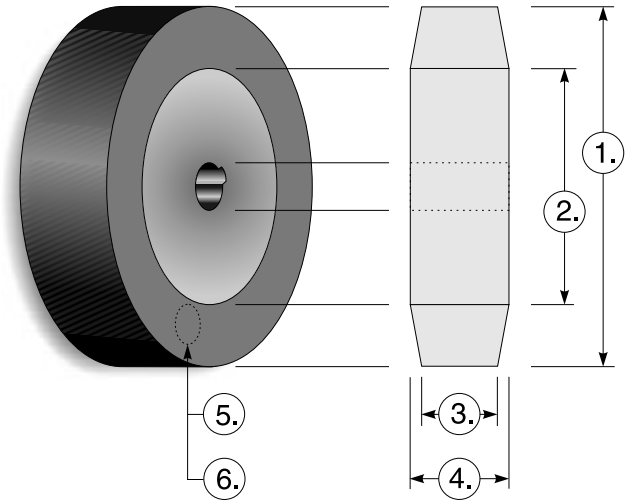
No.		Shore hardness
1	=	24 Shore
7	=	40 Shore
8	=	55 Shore
9	=	70 Shore

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



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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 silicone③ 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 core② .

The surface structure of the material to be printed determines the hardness of the silicone layer⑥. 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 width④ and printing width③).

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