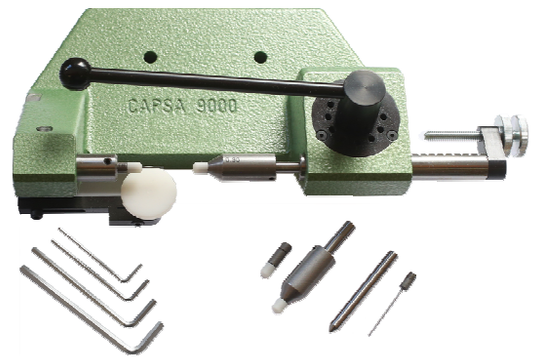

MSA	Size	Kg
10.550	290 x 140 x 120 mm	5.750

Device for fitting the bracelet pins.

Contents :
- 1x MSA10.550-TD090 : Complete chuck with pin Ø 0.90 mm and Delrin® end piece, right-hand side
- 1x MSA10.550-TD110 : Complete chuck with pin Ø 1.10 mm and Delrin® end piece, right-hand side
- 1x MSA10.550-TG080 : Complete chuck with pin Ø 0.80 mm and Delrin® end piece, left-hand side
- 1x MSA10.550-TG100 : Complete chuck with pin Ø 1.00 mm and Delrin® end piece, left-hand side
- 1x MSA10.550-PC : Hollowed point
- 1y set of Allen keys.

Spare parts and accessories :

MSA		Item
10.550-AD060	*(1)*	Pin for right-hand chuck, L35 x Ø 0.60 mm
10.550-AD070		Pin for right-hand chuck, L35 x Ø 0.70 mm
10.550-AD080		Pin for right-hand chuck, L35 x Ø 0.80 mm
10.550-AD090		Pin for right-hand chuck, L35 x Ø 0.90 mm
10.550-AD100		Pin for right-hand chuck, L35 x Ø 1.00 mm
10.550-AD110		Pin for right-hand chuck, L35 x Ø 1.10 mm
10.550-AD120		Pin for right-hand chuck, L35 x Ø 1.20 mm
10.550-AD130		Pin for right-hand chuck, L35 x Ø 1.30 mm
10.550-AD140		Pin for right-hand chuck, L35 x Ø 1.40 mm
10.550-AG060		Pin for left-hand chuck, L40 x Ø 0.60 mm
10.550-AG070		Pin for left-hand chuck, L40 x Ø 0.70 mm
10.550-AG080		Pin for left-hand chuck, L40 x Ø 0.80 mm
10.550-AG090		Pin for left-hand chuck, L40 x Ø 0.90 mm
10.550-AG100		Pin for left-hand chuck, L40 x Ø 1.00 mm
10.550-AG110		Pin for left-hand chuck, L40 x Ø 1.10 mm
10.550-AG120		Pin for left-hand chuck, L40 x Ø 1.20 mm
10.550-AG130		Pin for left-hand chuck, L40 x Ø 1.30 mm
10.550-AG140		Pin for left-hand chuck, L40 x Ø 1.40 mm
10.550-EDD050	*(2)*	Delrin® end piece right-hand, hole Ø 0.50 mm
10.550-EDD060		Delrin® end piece right-hand, hole Ø 0.60 mm
10.550-EDD070		Delrin® end piece right-hand, hole Ø 0.70 mm
10.550-EDD080		Delrin® end piece right-hand, hole Ø 0.80 mm
10.550-EDD090		Delrin® end piece right-hand, hole Ø 0.90 mm
10.550-EDD100		Delrin® end piece right-hand, hole Ø 1.00 mm
10.550-EDD110		Delrin® end piece right-hand, hole Ø 1.10 mm
10.550-EDD120		Delrin® end piece right-hand, hole Ø 1.20 mm
10.550-EDD130		Delrin® end piece right-hand, hole Ø 1.30 mm
10.550-EDD140		Delrin® end piece right-hand, hole Ø 1.40 mm
10.550-EDG050		Delrin® end piece left-hand, hole Ø 0.50 mm
10.550-EDG060		Delrin® end piece left-hand, hole Ø 0.60 mm
10.550-EDG070		Delrin® end piece left-hand, hole Ø 0.70 mm
10.550-EDG080		Delrin® end piece left-hand, hole Ø 0.80 mm
10.550-EDG090		Delrin® end piece left-hand, hole Ø 0.90 mm
10.550-EDG100		Delrin® end piece left-hand, hole Ø 1.00 mm
10.550-EDG110		Delrin® end piece left-hand, hole Ø 1.10 mm
10.550-EDG120		Delrin® end piece left-hand, hole Ø 1.20 mm
10.550-EDG130		Delrin® end piece left-hand, hole Ø 1.30 mm
10.550-EDG140		Delrin® end piece left-hand, hole Ø 1.40 mm

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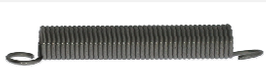
MSA		Item
10.550-PC	*(3)*	Hollowed point
10.550-RR	*(4)*	Return spring
10.550-RTD	*(5)*	Spring for chuck left side
10.550-RTG	*(6)*	Spring for chuck right side
10.550-TD070		Complete chuck with pin Ø 0.70 mm and Delrin® end piece right-hand side
10.550-TD080		Complete chuck with pin Ø 0.80 mm and Delrin® end piece right-hand side
10.550-TD090		Complete chuck with pin Ø 0.90 mm and Delrin® end piece right-hand side
10.550-TD100	*(7)*	Complete chuck with pin Ø 1.00 mm and Delrin® end piece right-hand side
10.550-TD110		Complete chuck with pin Ø 1.10 mm and Delrin® end piece right-hand side
10.550-TD120		Complete chuck with pin Ø 1.20 mm and Delrin® end piece right-hand side
10.550-TD140		Complete chuck with pin Ø 1.40 mm and Delrin® end piece right-hand side
10.550-TG060		Complete chuck with pin Ø 0.60 mm and Delrin® end piece left-hand side
10.550-TG070		Complete chuck with pin Ø 0.70 mm and Delrin® end piece left-hand side
10.550-TG080		Complete chuck with pin Ø 0.80 mm and Delrin® end piece left-hand side
10.550-TG090	*(8)*	Complete chuck with pin Ø 0.90 mm and Delrin® end piece left-hand side
10.550-TG100		Complete chuck with pin Ø 1.00 mm and Delrin® end piece left-hand side
10.550-TG110		Complete chuck with pin Ø 1.10 mm and Delrin® end piece left-hand side
10.550-TG120		Complete chuck with pin Ø 1.20 mm and Delrin® end piece left-hand side
10.550-TG130		Complete chuck with pin Ø 1.30 mm and Delrin® end piece left-hand side

(3)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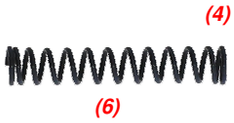
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MSA	Ø	Kg
10.502-080	**0.80 mm**	0.004
10.502-100	**1.00 mm**	0.004
10.502-120	**1.20 mm**	0.004
10.502-140	**1.40 mm**	0.004
10.502-160	**1.60 mm**	0.004
10.502-250	**2.50 mm**	0.006

Blade for press MSA10.500 (shank Ø 2 mm).

MSA	Quantity	Kg
10.502-A	2x 6 blades	0.006

Assortment of 12 blades for press MSA10.500.

MSA	Ø	Kg
10.503-040	**0.40 mm**	0.005
10.503-060	**0.60 mm**	0.005
10.503-070	**0.70 mm**	0.005
10.503-080	**0.80 mm**	0.005
10.503-090	**0.90 mm**	0.005
10.503-100	**1.00 mm**	0.005
10.503-110	**1.10 mm**	0.005
10.503-120	**1.20 mm**	0.005
10.503-140	**1.40 mm**	0.005
10.503-150	**1.50 mm**	0.005
10.503-200	**2.00 mm**	0.005

Pin punches for presses MSA10.499 et MSA10.500 + tools MSA10.510 and MSA10.511 (shank Ø 2 mm).

MSA	Quantity	Kg
10.503-A	11 pun punches	0.060
10.503-B	10 pun punches	0.050
10.503-C	6 pun punches	0.040

Assortment of pin punches for presses MSA10.499 et MSA10.500 + tools MSA10.510 and MSA10.511 (shank Ø 2 mm).

MSA10.503-A :

MSA10.503-040
MSA10.503-060
MSA10.503-070
MSA10.503-080
MSA10.503-090
MSA10.503-100
MSA10.503-110
MSA10.503-120
MSA10.503-140
MSA10.503-150
MSA10.503-200

MSA10.503-B :

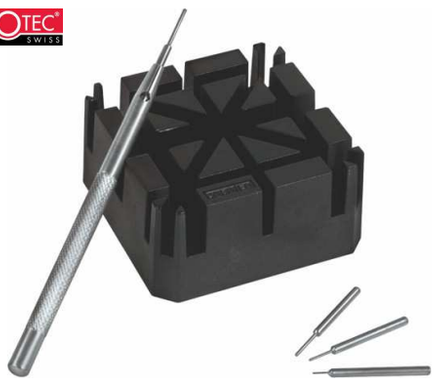
MSA10.503-040
MSA10.503-060
MSA10.503-070
MSA10.503-080
MSA10.503-090
MSA10.503-100
MSA10.503-120
MSA10.503-140
MSA10.503-150
MSA10.503-200

MSA10.503-C :

MSA10.503-040
MSA10.503-060
MSA10.503-080
MSA10.503-100
MSA10.503-150
MSA10.503-200

MSA	Size	Kg
10.510	95 x 80 x 36 mm	0.295

Pin punch tool with 1 universal bracelet holder on a wooden base.
Contents :
- 1 pin punch tool MSA10.510-A.
- 1 bracelet holder MSA10.501.
- 10 pin punches MSA10.503-xxx : Ø 0.40, 0.60, 0.70, 0.80, 1.00, 1.10, 1.20, 1.40, 1.50 and 2.00 mm
- 1 wooden base MSA10.510-B.



MSA	Kg
10.511	0.040

Pin punch tool with 1 universal bracelet holder.
Contents :
- 1 pin punch tool MSA10.510-A
- 1 bracelet holder MSA10.501
- 4 pin punches MSA10.503-xxx : Ø 0.40, 0.60, 0.80 and 1.00 mm.

MSA	Length	Ø reaming	Kg
10.510-A	80 mm	2.00 mm	0.029

Metal knurled pin punch tool.
Accessory for MSA10.510 and MSA10.511.

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MSA	Packaging size	Kg
10.533	85 x 55 x 15 mm	0.040

Pin punch tool with anodised brass handle and stainless steel anvil.

Contents :
- 1 handle MSA10.527 compatible with all pin punches MSA10.503-x
- 11 pin punches MSA10.503-x : Ø 0.40, 0.60, 0.70, 0.80, 0.90, 1.00, 1.10, 1.20, 1.40, 1.50 and 2.00 mm.

Spare parts :

MSA	Item	Kg
10.503-040	Pin punch Ø 0.40 mm	0.005
10.503-060	Pin punch Ø 0.60 mm	0.005
10.503-070	Pin punch Ø 0.70 mm	0.005
10.503-080	Pin punch Ø 0.80 mm	0.005
10.503-090	Pin punch Ø 0.90 mm	0.005
10.503-100	Pin punch Ø 1.00 mm	0.005
10.503-110	Pin punch Ø 1.10 mm	0.005
10.503-120	Pin punch Ø 1.20 mm	0.005
10.503-140	Pin punch Ø 1.40 mm	0.005
10.503-150	Pin punch Ø 1.50 mm	0.005
10.503-200	Pin punch Ø 2.00 mm	0.005
10.527	***(1)*** Handle, Ø 6 x length 54 mm	0.011

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MSA	Packaging size	Kg
10.534	85 x 55 x 15 mm	0.031

Pin punch tool with anodised brass handle and stainless steel anvil.

Contents :
- 1 handle MSA10.527 compatible with all pin punches MSA10.503-x
- 3 pin punches MSA10.503-x : Ø 0.70, 0.80 and 1.00.

Spare parts :

MSA		Item	Kg
10.503-070		Pin punch Ø 0.70 mm	0.005
10.503-080		Pin punch Ø 0.80 mm	0.005
10.503-100		Pin punch Ø 1.00 mm	0.005
10.527	*(1)*	Handle, Ø 6 x length 54 mm	0.011

MSA	Packaging size	Kg
10.528	85 x 55 x 15 mm	0.037

Assortment of pin punch tools for removing the bracelet pins.

Contents :
- 1 pin punch tool MSA10.528-070 with nickel plated brass handle Ø 5 mm, Ø 0.70 mm
- 1 pin punch tool MSA10.528-080 with nickel plated brass handle Ø 5 mm, Ø 0.80 mm
- 1 pin punch tool MSA10.528-100 with nickel plated brass handle Ø 5 mm, Ø 1.00 mm.

Spare parts :

MSA		Item	Kg
10.528-070		Pin punch tool with handle Ø 5 mm, Ø 0.70 mm	0.006
10.528-080		Pin punch tool with handle Ø 5 mm, Ø 0.80 mm	0.006
10.528-100	*(1)*	Pin punch tool with handle Ø 5 mm, Ø 1.00 mm	0.006
10.529-070		Pin punch Ø 0.70 mm, total/usable length 22/15 mm	0.001
10.529-080		Pin punch Ø 0.80 mm, total/usable length 22/15 mm	0.001
10.529-100	*(2)*	Pin punch Ø 1.00 mm, total/usable length 22/15 mm	0.001
10.529-V	*(3)*	Screw for pin punch tools	0.001

ASSORTMENT

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MSA	Kg
10.508	0.029

Assortment of 3 pin punches tools (Ø 0.60, 0.80 and 1.00 mm) for removing the bracelet pins.

Spare parts :

MSA		Item	Kg
10.508-060	*(1)*	Tool with handle Ø 5.20, length 52.60, pin Ø 0.60 mm	0.006
10.508-080		Tool with handle Ø 5.20, length 52.60, pin Ø 0.80 mm	0.006
10.508-100		Tool with handle Ø 5.20, length 52.60, pin Ø 1.00 mm	0.006
10.509-060	*(2)*	Pin punches Ø 0.60 mm	0.001
10.509-080		Pin punches Ø 0.80 mm	0.001
10.509-100		Pin punches Ø 1.00 mm	0.001

MSA	Size	Kg
10.501	52 x 52 x 25 mm	0.022

Universal black plastic bracelet holder, with 9 holes and 8 slots of 2.8 to 6.3 mm.

Accessory for MSA10.499, 10.500, 10.510 and 10.511.

MSA	Size	Kg
10.507	55 x 55 x 40 mm	0.030

Black plastic bracelet holder, 22 slots of 3.5 to 9.0 mm.

MSA	Size	Kg
10.519	50 x 45 x 40 mm	0.105

Bracelet holder vice with screw.
- Maximum bracelet thickness : 10 mm
- Useful dimensions : length 49 mm and height 24 mm
- Suitable for presses MSA10.499 and 10.500 illustrated on page 10-2.

MSA	Size	Kg
10.513	55 x 35 x 22 mm	0.050

Bracelet holder vice with screw.
- Maximum bracelet thickness : 9.50 mm
- Useful dimensions : length 35 mm and height 12 mm
- Suitable for presses MSA10.499 and 10.500 illustrated on page 10-2.

MSA	Size	Kg
10.010	110 x 70 x 75 mm	1.100

Multifunctional 3rd hand vice, case holder and bracelet holder.
Composition :
- 1 base with table equipped with a POM protection Ø 25 mm
- 1 removable and sliding vice for tightening cases and bracelets ; maximum opening 30 mm
- 4 stainless steel blades (hardening 57 HRC) Ø 1.00, 1.40, 1.80 and 3.00 mm. Shank Ø 3 mm.

Spare parts :

MSA	Item	Kg	
10.010-100	Blade Ø 1.00 mm	0.005	
10.010-140	Blade Ø 1.40 mm	0.005	
10.010-180	Blade Ø 1.80 mm	0.005	
10.010-300	Blade Ø 3.00 mm	0.005	
10.010-A	Maintaining screw	0.010	
10.010-B	Blade spring	0.001	

MSA	Size	Kg
10.520	25 x 25 x 27 mm	0.037

Small tool for bracelet screws.
- 3 blades Ø 1.00, 1.40 and 3.00 mm
- Metal anti-skid base.

MSA	Size	Kg
10.007	105 x 60 x 60 mm	0.355

Tool to keep plastic band watches opened.
Give free hands to users for easy works in the watch.
Non-skid aluminium base and curved Delrin® die Ø 39 mm (also for domed crystals).

MSA	Size	Kg
10.531	110 x 50 x 25 mm	0.066

Tool for removing bracelet pins.

Spare part :

MSA	Item	Kg
10.531-A	*(1)* Pin punch Ø 0.80 mm, shank Ø 1.90mm	0.003

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MSA	Size	Kg
10.005	60 x 20 x 25 mm	0.015

Small black plastic tool for removing the bracelet pins.
Delivered with 2 pin punches Ø 0.80 mm.

Spare part :

MSA	Item	Kg
10.005-A	*(1)* Pin punch Ø 0.80, body Ø 2.50, length 31.40 mm	0.001

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MSA	Size	Kg
10.532	55 x 22 x 25 mm	0.016

Small black plastic tool for removing the bracelet pins.
Delivered with 3 pin punches Ø 0.80 mm (2x length 17 mm and 1x length 20 mm).

Spare parts :

MSA	Item	Kg
10.532-A	*(1)* Pin punches Ø 0.80, body Ø 2.50, length 17 mm	0.004
10.532-B	*(2)* Pin punches Ø 0.80, body Ø 2.50, length 20 mm	0.004

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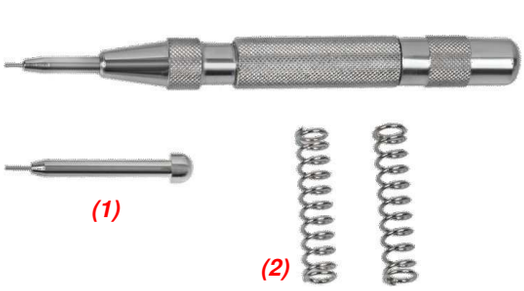
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MSA	Kg
10.008	0.072

Shock tool for removing the bracelet pins.
Delivered in a plastic pouch with :
- 1 pin MSA10.008-A
- 2 springs MSA10.008-B.

Spare parts :

MSA	Item	Kg
10.008-A	*(1)* Pin Ø 0.80 mm	0.004
10.008-B	*(2)* Spring Ø 8.00 x 38.00 mm	0.004

MSA	Length	Kg
10.003	145 mm	0.089

Combination pliers for fitting and removing the bracelet pins.
Delivered with 1 pin punch holder + 1 mounted pin punch and 5 pin punches Ø 0.80 mm.

Spare parts :

MSA		Item	Kg
10.003-A	*(1)*	Pin punch holder + 1 pin punch, length 36 mm, shank Ø 4 mm	0.001
10.003-B	*(2)*	Pin punch Ø 0.80 mm, length 13.50 mm, shank Ø 1.50 mm	0.001

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MSA	Length	Kg
10.006	150 mm	0.295

Combination pliers for fitting and removing the bracelet pins.
Delivered with 5 pin punches Ø 0.60, 0.80, 1.00, 1.20 and 1.50 mm.

Spare parts :

MSA		Item	Kg
10.004-060		Pin punches Ø 1.50, length 49.00 mm	0.001
10.004-080		Pin punches Ø 1.20, length 48.50 mm	0.001
10.004-100	*(1)*	Pin punches Ø 1.00, length 47.50 mm	0.001
10.004-120		Pin punches Ø 0.80, length 47.00 mm	0.001
10.004-150		Pin punches Ø 0.60, length 47.00 mm	0.001

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