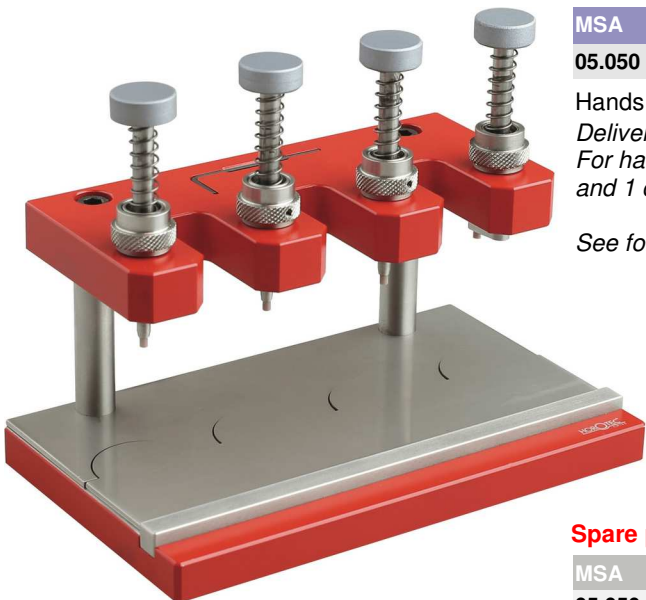


ASSORTMENT

MSA	Kg
05.017-03	0.026

Assortment with 1 broach and 8 Delrin® screw-on stakes for presses MSA05.021 and MSA05.022.



MSA	Size	Kg
05.050	160 x 100 x 130 mm	1.440

Hands fitting press, 4 broaches.
 Delivered with stakes equipped with PEEK tips (doesn't mark the hands).
 For hands : hours (Ø 1.35 mm), minutes (Ø 0.95 mm), seconds (Ø 0.30 mm) and 1 decentred stake.

See following pages for other compatible stakes.

Spare parts :

MSA	Item	Kg
05.050-BA	Adjustable stop ringDE	0.010
05.050-BR	Broach with head	0.018
05.050-RE	Spring for broach	0.002

Accessory :

MSA	Item	Kg
05.050-P	Decentred adaptor for movement holder. Base Ø 31 mm	0.105



HANDS FITTING PRESSES

High precision hands fitting press with revolving head to avoid changing broaches, ideal for production series. Each broach is equipped with a knurled ring for fine height adjustment. Suitable for movement holder MSA09.010-xx Ø 31 mm (see chapter 09).



MSA	Tips	Use	Kg
05.109	Steel	For H/M hands	1.350
05.114	PEEK	For H/M hands	1.350

High precision hand fitting press, with 2 hardened steel broaches and 2 stakes Ø 1.35 - 0.95 mm.



MSA	Tips	Use	Kg
05.110	Steel	For H/M/S hands	1.475
05.115	PEEK	For H/M/S hands	1.475

High precision hand fitting press, with 3 hardened steel broaches and 3 stakes Ø 1.35 - 0.95 - 0.30 mm.



MSA	Tips	Use	Kg
05.111	Steel	For H/M/decentred Sec hands	1.455
05.116	PEEK	For H/M/decentred Sec hands	1.455

High precision hand fitting press, with 3 hardened steel broaches and 3 stakes Ø 1.35 - 0.95 mm - decentred.



MSA	Tips	Use	Kg
05.112	Steel	For H/M/S/Date hands	1.585
05.117	PEEK	For H/M/S/Date hands	1.585

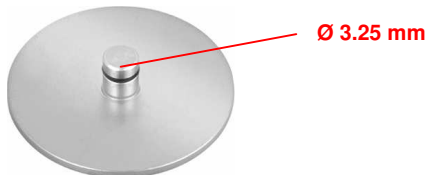
High precision hand fitting press, with 4 hardened steel broaches and 4 stakes Ø 1.35 - 0.95 - 0.30 - 2.10 mm.

Accessories for use with the presses illustrated above.



MSA	Kg
05.015-R	0.010

Table to set counter.



MSA	Kg
05.015-P	0.010

Decentred adaptor for movement holder.

Other accessories :

MSA	Item	Kg
05.110-A	Stop ring, height 18 mm	0.008
05.110-B	Stop ring, height 12 mm	0.007
05.110-S	Spring for broach	0.002
05.118	Broach with spring	0.015
05.119	Broach with groove and spring	0.015
05.119-A	Simple broach	0.013



MSA	Tips	Ø hole	Kg
05.110-03	Steel	0.30 mm	0.002
05.110-04	Steel	0.95 mm	0.002
05.110-09	Steel	1.10 mm	0.002
05.110-05	Steel	1.35 mm	0.002
05.110-08	Steel	1.50 mm	0.002
05.110-07	Steel	1.70 mm	0.002
05.110-06	Steel	2.10 mm	0.002
05.110-01	Steel	7.50 mm (length)	0.004
05.110-02	Steel	Flat	0.002

Spare stainless steel stakes for presses MSA05.050, MSA05.109, MSA05.110, MSA05.111 and MSA05.112.
Other diameters available upon request.



MSA	Tips	Ø hole	Kg
05.114-03	PEEK	0.30 mm	0.002
05.114-14	PEEK	0.40 mm	0.002
05.114-15	PEEK	0.50 mm	0.002
05.114-16	PEEK	0.55 mm	0.002
05.114-17	PEEK	0.75 mm	0.002
05.114-18	PEEK	0.85 mm	0.002
05.114-04	PEEK	0.95 mm	0.002
05.114-19	PEEK	1.05 mm	0.002
05.114-09	PEEK	1.10 mm	0.002
05.114-20	PEEK	1.15 mm	0.002
05.114-21	PEEK	1.25 mm	0.002
05.114-05	PEEK	1.35 mm	0.002
05.114-08	PEEK	1.50 mm	0.002
05.114-22	PEEK	1.55 mm	0.002
05.114-23	PEEK	1.65 mm	0.002
05.114-07	PEEK	1.70 mm	0.002
05.114-24	PEEK	1.80 mm	0.002
05.114-25	PEEK	1.95 mm	0.002
05.114-06	PEEK	2.10 mm	0.002
05.114-01	PEEK	7.50 mm (length)	0.004
05.114-02	PEEK	Flat	0.002

Spare stakes with PEEK tip for presses MSA05.050, MSA05.114, MSA05.115, MSA05.116 and MSA05.117.
Other diameters available upon request.



MSA	Tips	Ø hole	Kg
05.111-03	Delrin®	0.30 mm	0.002
05.111-12	Delrin®	0.60 mm	0.002
05.111-04	Delrin®	0.95 mm	0.002
05.111-09	Delrin®	1.10 mm	0.002
05.111-11	Delrin®	1.20 mm	0.002
05.111-05	Delrin®	1.35 mm	0.002
05.111-08	Delrin®	1.50 mm	0.002
05.111-10	Delrin®	1.60 mm	0.002
05.111-07	Delrin®	1.70 mm	0.002
05.111-06	Delrin®	2.10 mm	0.002
05.111-13	Delrin®	3.00 mm	0.002
05.111-01	Delrin®	7.50 mm (length)	0.004
05.111-02	Delrin®	Flat	0.002

Spare stakes with Delrin® tip for presses MSA05.050, MSA05.109, MSA05.110, MSA05.111 and MSA05.112.
Other diameters available upon request.

Fitting watch hands, without damaging the dial and the hands are delicate operations that guarantee the aesthetics of the watch.
An ideal hands press for any after-sales service jobs.

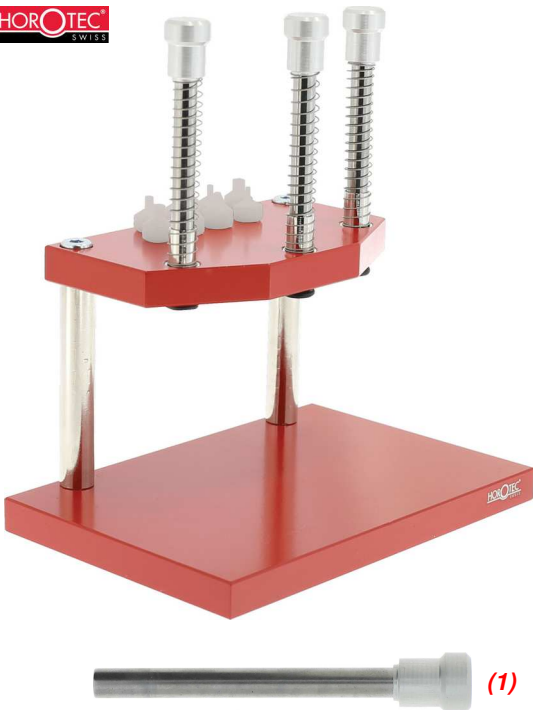


MSA	Size	Kg
05.021	70 x 70 x 65 mm	0.400

Hands fitting press for wrist and pocket watches, for a quick and efficient job. It allows a precise control by holding the die vertically while pressing on the hand. Nice finish in steel and aluminium.
Delivered with 8 Delrin® screw-on stakes.

Spare parts :

MSA	Item	Kg
05.017-01	(1) Broach	0.009
05.017-02	Spring	0.002
05.017-A	Stake Ø 0.50 mm	0.002
05.017-B	Stake Ø 0.70 mm	0.002
05.017-C	Stake Ø 0.90 mm	0.002
05.017-D	Stake Ø 1.20 mm	0.002
05.017-E	Stake Ø 1.50 mm	0.002
05.017-F	Stake Ø 1.70 mm	0.002
05.017-G	Flat stake	0.002
05.017-H	Conical stake	0.002



MSA	Size	Kg
05.022	105 x 70 x 72 mm	0.520

Hands fitting press with 3 broaches for wrist and pocket watches without any broach replacement.
Delivered with 8 Delrin® screw-on stakes.

Spare parts :

MSA	Item	Kg
05.017-01	(1) Broach	0.009
05.017-02	Spring	0.002
05.017-A	Stake Ø 0.50 mm	0.002
05.017-B	Stake Ø 0.70 mm	0.002
05.017-C	Stake Ø 0.90 mm	0.002
05.017-D	Stake Ø 1.20 mm	0.002
05.017-E	Stake Ø 1.50 mm	0.002
05.017-F	Stake Ø 1.70 mm	0.002
05.017-G	Flat stake	0.002
05.017-H	Conical stake	0.002

High precision hands fitting press equipped with 2 adjustable and interchangeable broaches, ideal for production series. Suitable for movement holder MSA09.010-xx (see chapter 09).



MSA	Use	Kg
05.100	For hour and minute hands	0.780

High precision hands fitting press with 2 adjustable and interchangeable broaches.
Base Ø 31 mm.
See also movement holders MSA 09.010-xx (chapter 09).

Spare parts :

MSA	Item	Kg	
05.101-A	Adjustable broach with white head for minute hands, Ø hole 1.00 mm	0.019	
05.101-B	Adjustable broach with black head for hour hands, Ø hole 1.20 mm	0.019	



MSA	Use	Kg
05.101	For hour and minute hands	1.260

High precision hands fitting press with 2 adjustable and interchangeable broaches. Revolving head to avoid broach changing.
Base Ø 31 mm.
See also movement holders MSA 09.010-xx (chapter 09).

Spare parts :

MSA	Item	Kg	
05.101-A	Adjustable broach with white head for minute hands, Ø hole 1.00 mm	0.019	
05.101-B	Adjustable broach with black head for hour hands, Ø hole 1.20 mm	0.019	

Accessories for presses MSA05.100 and MSA05.101.



MSA	Kg
05.101-C	0.019

Simple broach with red head for second hands, flat not pierced.