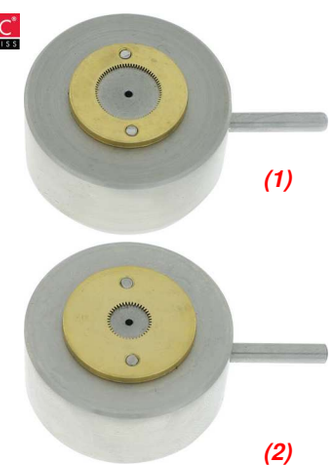
Tools for locking/unlocking oscillating weight bolts. Calibres 2892… and 7750…

MSA	For calibres	Kg
03.676-2892	**ETA 2892 - 2893 - 2894 - 2895**	0.665
03.676-7750	**ETA 7750 - 7751 - 7753**	0.665

Press for locking/unlocking oscillation weight bolts. The broach is mounted on spring for a fast and precise job. The broach is interchangeable and easily disassembled by unscrewing the head.
Delivered without movement holder MSA03.678-xxx or MSA03.680-xxx.



MSA		For calibres	Kg
03.680-2892	*(1)*	**ETA 2892 - 2893 - 2894 - 2895 - 2896 - 2897**	0.078
03.680-7750	*(2)*	**ETA 7700 - 7750 - A07111 - A07161 - A07271**	0.079

Support for assembling/disassembling the oscillating weight bolts.

Spare part :

MSA	Item	Kg	
03.676-A	Guide staff Ø 4 mm	0.001	

MSA		For calibres	Kg
03.678-2892	*(1)*	**ETA 2892 - 2893 - 2894 - 2895**	0.070
03.678-7750	*(2)*	**ETA 7750 - 7751 - 7753**	0.090

Base holder for MSA03.676-2892 and 03.676-7750.

MSA	For calibres	Kg
03.679-2892	**ETA 2892 - 2893 - 2894 - 2895**	0.090
03.679-7750	**ETA 7750 - 7751 - 7753**	0.110

Broach for MSA03.676-xxxx and 03.677-xxxx.

Tools for assembling/disassembling oscillating weight bolts, screw-on pushers, screw-on tubes and battery covers.

MSA	Kg
03.675	0.170

Tool for locking/unlocking oscillating weight bolts.
Delivered with 2 interchangeable snap-on keys (MSA03.620-2892 and 03.620-7750) and a detailed user's manual.

Spare parts :

MSA	Item	Kg	
03.620-2892	Key for calibres 2892, 2893, 2894 and 2895	0.008	
03.620-7750	Key for calibres 2000-1, 7750, 7751 and 7753	0.008	
03.620-A	Hexagonal handle compatible with all illustrated keys	0.060	

MSA	Size	Kg
03.622	120 x 70 x 35 mm	0.448

Tool for assembling/disassembling screw-on pushers and tubes.

Contents :
- 1 plate
- 1 hexagonal handle MSA03.620-A
- 13 interchangeable keys MSA03.620-01, -02, -03, -04, -05, -06, -07, -08, -203, -207, -P3, -P27 and -P39.
See next page for details of spare parts.

MSA	Size	Kg
03.623	120 x 70 x 35 mm	0.460

Tool for locking/unlocking oscillating weight bolts and assembling/disassembling screw-on pushers and tubes.

Contents :
- 1 plate
- 1 hexagonal handle MSA03.620-A
- 15 interchangeable keys MSA03.620-01, -02, -03, -04, -05, -06, -07, -08, -203, -207, -2892, -7750, -P3, -P27 and -P39.
See next page for details of spare parts.

MSA	Size	Kg
03.621	120 x 70 x 35 mm	0.496

Tool for locking/unlocking oscillating weight bolts and assembling/disassembling screw-on pushers, screw-on tubes and battery covers.

Contents :
- 1 plate
- 1 hexagonal handle MSA03.620-A
- 18 interchangeable keys MSA03.620-01, -02, -03, -04, -05, -06, -07, -08, -203, -207, -2892, -7750, -GENT, -LADY, -MED, -P3, -P27 and -P39.
See below the details of spare parts.

Spare parts for screwing tubes :

MSA	Item	Kg	
03.620-01	Key for tubes MSA65.001, Ø 1.50 mm	0.005	
03.620-02	Key for tubes MSA65.002, Ø 1.80 mm	0.005	
03.620-03	Key for tubes MSA65.003, Ø 2.65 mm	0.005	
03.620-04	Key for tubes MSA65.004, Ø 2.75 mm	0.005	
03.620-05	Key for tubes MSA65.005, Ø 2.95 mm	0.005	
03.620-06	Key for tubes MSA65.006, Ø 3.00 mm	0.005	
03.620-07	Key for tubes MSA65.007, Ø 2.85 mm	0.005	
03.620-08	Key for tubes OM SEAM., Ø 2.00 mm	0.005	

Spare parts for screwing pushers :

MSA	Item	Kg	
03.620-203	Key for pushers MSA61.203 /.703	0.005	
03.620-207	Key for pushers MSA61.207 /.707	0.005	
03.620-P27	Key for pushers type P27	0.006	
03.620-P3	Key for pushers type P3	0.006	
03.620-P39	Key for pushers type P39	0.006	

Spare parts for oscillating weight bolts :

MSA	Item	Kg	
03.620-2892	Key for calibres 2892, 2893, 2894 and 2895	0.008	
03.620-7750	Key for calibres 2000-1, 7750, 7751 and 7753	0.008	

Spare parts for Swatch® battery covers :

MSA	Item	Kg	
03.620-GENT	Key for Gent watches	0.015	
03.620-LADY	Key for Lady watches	0.015	
03.620-MED	Key for Medium watches	0.015	

Spare part :

MSA	Item	Kg	
03.620-A	Hexagonal handle compatible with all illustrated keys	0.060	

HOROTEC SWISS

Ø

MSA	Type	Internal Ø	Kg
03.653-P3	P3	**3.00 mm**	0.060
03.653-P27	P27	**3.50 mm**	0.060
03.653-P39	P39	**3.60 mm**	0.060

Tool for screw/unscrew fluted pusher tubes.
Aluminium handle.

Tools for riveting oscillating weight axles.

ASSORTMENT

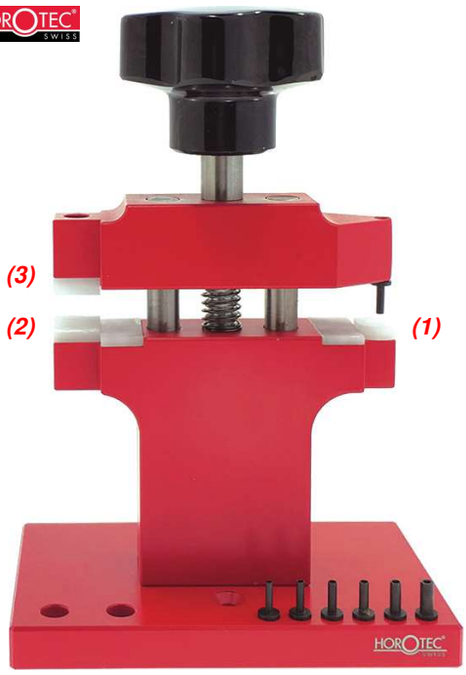
MSA	Kg
03.666	0.110

Assortment of 4 punchers for riveting oscillating weight axles.

Spare parts :

MSA	Item	Kg
03.666-1570	Puncher, Ø 4.70 x L85 mm	0.011
03.666-2135	Puncher, Ø 4.70 x L85 mm	0.011
03.666-2235	Puncher, Ø 4.70 x L85 mm	0.011
03.666-3035	Puncher, Ø 4.70 x L85 mm	0.011

Press for fitting/removing press-in pushers and crown tubes.



MSA	Size	Kg
03.657	100 x 60 x 142 mm	0.480

Press for fitting/removing press-in pushers and crown tubes easily and without damage.
Delivered with 7 stakes, external Ø from 1.55 to 2.95 mm.

Spare parts :

MSA	Item	Kg	
03.654-A	*(1)* Stake Ø ext. 2.95 - Ø int. 1.55 mm	0.001	
03.654-B	Stake Ø ext. 2.65 - Ø int. 1.55 mm	0.001	
03.654-C	Stake Ø ext. 2.45 - Ø int. 1.55 mm	0.001	
03.654-D	Stake Ø ext. 2.15 - Ø int. 1.55 mm	0.001	
03.654-E	Stake Ø ext. 1.95 - Ø int. 1.55 mm	0.001	
03.654-F	Stake Ø ext. 1.75 - Ø int. 1.55 mm	0.001	
03.654-G	Stake Ø ext. 1.55 - Ø int. 1.55 mm	0.001	
03.654-H	*(2)* Removing support	0.001	
03.656-A	*(3)* Lower fitting support	0.001	
03.656-B	*(4)* Upper fitting support	0.001	

(1)

(2)

(3)

(4)

Keys for screw/unscrew pushers.

MSA	Internal Ø	Kg
03.655	3.10 mm	0.007

Steel key for screw/unscrew the chronograph pushers MSA61.207 and 61.707.
Nice black finish.

Keys for screw/unscrew the tubes of screw-on crowns.

MSA	For tubes	External Ø	Kg
03.665-01	MSA65.001	**1.60 mm**	0.006
03.665-02	MSA65.002	**1.90 mm**	0.006
03.665-03	MSA65.003	**2.65 mm**	0.006
03.665-04	MSA65.004	**2.70 mm**	0.006
03.665-05	MSA65.005	**2.90 mm**	0.006
03.665-06	MSA65.006	**3.05 mm**	0.006

Steel key for screw/unscrew the tubes of screw-on crowns to assure waterproof of diving watches.
Nice black finish.

Crowns extractor.

MSA	Size	Kg
03.604	40 x 15 x 25 mm	0.023

Crowns extractor with adjustment screw.

Tools for lanterning canon pinions.

MSA	Size	Kg
03.005	50 x 50 x 120 mm	0.317

Press for lanterning canon pinions with hard metal beaks and sliding ring mounted on grooved broach.

This press can be used in 2 different ways :

(1) - With the standard broach for single use.

(2) - With the grooved scale broach and 1 screwed sliding ring for height punch adjustment.

Spare parts :

MSA	Item	Kg
03.005-A	Punch stem with weight	0.050
03.005-B	Broach with beak, L54 x Ø 4 mm + Lower beak, L16 x Ø 4 mm	0.008

-A

-B

MSA	Size	Kg
03.004	97 x 7 x 45 mm	0.135

Tool for lanterning canon pinions, fixable on a vice.

Setting rounds.

MSA	Ø	Ø hole	Kg
03.428	35 mm	4.50 mm	0.018
03.429	35 mm	3.50 mm	0.018

Setting round with glass top and grey anodized aluminium body.

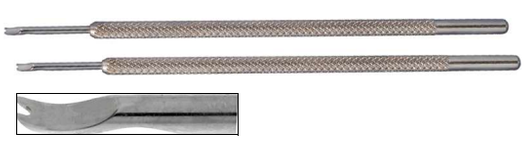
Tools for hairspring collets.

MSA	Ø	Kg	MSA	Ø	Kg
03.101-03	**0.30 mm**	0.006	**03.101-08**	**0.80 mm**	0.006
03.101-04	**0.40 mm**	0.006	**03.101-09**	**0.90 mm**	0.006
03.101-05	**0.50 mm**	0.006	**03.101-10**	**1.00 mm**	0.006
03.101-06	**0.60 mm**	0.006	**03.101-12**	**1.20 mm**	0.006
03.101-07	**0.70 mm**	0.006			

Broaches for hairspring collets with nickel-plated brass knurled handle.
Length 98 mm.

MSA	External Ø	Ø hole	Length	Kg
03.102-11	**1.10 mm**	0.45 mm	95 mm	0.010
03.102-16	**1.60 mm**	0.55 mm	95 mm	0.010
03.102-21	**2.10 mm**	0.75 mm	95 mm	0.010

Tool for turning and setting hairspring collets with nickel-plated brass knurled handle.



PAIR

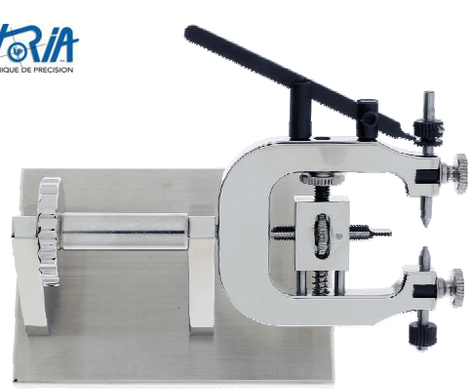
MSA	Spatulas width	Total length	Kg
03.103-E	**1.80 mm**	95 mm	0.015
03.103-C	**2.50 mm**	115 mm	0.022
03.103-D	**3.00 mm**	120 mm	0.024

Pair of hairspring collets levers with nickel-plated brass knurled handle.

Truing callipers.

MSA	Size	Kg
03.416		-

Truing calliper for the control of wheels or balances. A stop screw enables the fine adjustment of its opening.
Equipped with 4 safety-runners, 2 conical and 2 in ruby with holes Ø 0.15 mm.



MSA	Size	Kg
03.415	85 x 70 mm	0.260

Truing calliper on base.

Poising tool.

MSA	Size	Kg
03.419	80 x 50 x 45 mm	0.300

Poising tool with spirit level Ø 18 mm and 2 adjustable feet.
Delivered with 2 ruby jaws MSA03.419-A, length 15 mm.

Spare parts :

MSA	Item	Kg	
03.419-A	Ruby jaw	0.001	
03.419-B	Wooden box	0.175	

Tools for stud holding and for setting balance screws.

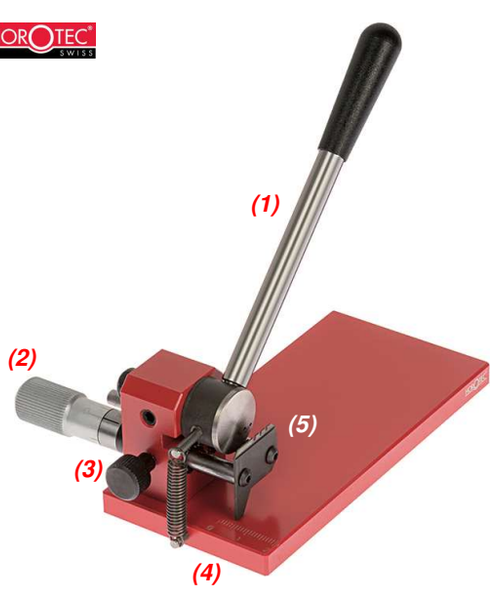
MSA	Size	Kg
03.200	Ø 40 x 9 mm	0.106

Tool for stud holding, used for fixing the stud on the balance-spring.

MSA	Size	Kg
03.424	Ø 40 x 7 mm	0.030

Nickel-plated brass tool with holes for setting the balances, with 12 holes from Ø 0.5 to 2.5 mm.

Tools for winding stems.



MSA	Base size	Kg
03.602	60 x 118 mm	0.353

Tool for shortening winding stems, allowing the length setting of stems in serial production.

Description :
(1) - Lever with ergonomic handle with 1 return spring
(2) - Micrometric screw graduated to 1⁄10 mm for precise setting of cut length
(3) - Blocking screw to always keep the same length during cutting in serial production
(4) - Base equipped with a small ruler with divisions from 0 to 15 mm
(5) - Side pierced with 3 holes suitable for stems Ø 0.90, 1.00 and 1.20 mm.

Spare parts :

MSA	Item	Kg	
03.602-A	Spring	0.001	
03.602-B	Knife	0.016	

MSA	Ø	Kg
03.600-08	**0.80 mm**	0.030
03.600-09	**0.90 mm**	0.030
03.600-10	**1.00 mm**	0.030
03.600-11	**1.10 mm**	0.030
03.600-12	**1.20 mm**	0.030

MSA	Ø	Kg
03.600-13	**1.30 mm**	0.030
03.600-14	**1.40 mm**	0.030
03.600-15	**1.50 mm**	0.030
03.600-16	**1.60 mm**	0.030

Tool for shortening winding stems, with knurled handle. Provided with a stop for regular cutting.
Length 70 mm.

MSA	Kg
03.603	0.100

Tool for oiling the winding stems. Allows a perfect, clean and quick greasing for all types of stems.

Spare part :

MSA	Item	Kg	
03.603-A	Cup with felt	0.007	

Other tools.

MSA	Size	Kg
03.006	127 x 80 mm	1.050

Tool used to check the perfect straightness of stems. This tool is usually placed in a vice.
Delivered without American chuck. See MSA03.839-x (page 03-16).

MSA	Length	Kg
03.010	115 mm	0.011

Lantern-chuck. Tool to hold the screw by its head used to shorten or round and polish the screw thread end.
Delivered with 3 heads of different diameters.

Spare parts :

MSA	Item	Kg	
03.010-040	Head for Ø 0.40 mm	0.001	
03.010-060	Head for Ø 0.60 mm	0.001	
03.010-080	Head for Ø 0.80 mm	0.001	

MSA	Size	Kg
03.310	Ø 25 x 19 mm	0.022

Tool for closing barrel covers.

MSA	Size	Kg
03.019	140 x 70 x 35 mm	0.115

The specialised watchmaking tool kit is the essential ally of watchmaking professionals for precise interventions.
This ingenious box contains four specialised tools :
- MSA03.011 : tool for shockproof spring Novodiac
- MSA03.012 : tool for shockproof spring Novodiac
- MSA03.014 : tool for turning the stud and the regulator pins block ETACHRON
- MSA03.015 : tool for pressing out the stud from the stud support ETACHRON.

MSA	Kg
03.011	0.013

Tool for shockproof spring Novodiac.
For calibres ETA 2801 - 2824-2 - 2834-2 - 2836-2 - 6497.

MSA	Kg
03.012	0.013

Tool for shockproof spring Novodiac.
For calibres ETA 2660 - 2671 - 2688.

MSA	Kg
03.015	0.008

Tool for pressing out the stud from the stud support ETACHRON.

MSA	Kg
03.014	0.008

Tool for turning the stud and the regulator pins block ETACHRON.

MSA	Kg
03.016	0.008

Tool for opening the dial bolts (fastener split pin).
Mirror polished tip.

MSA	Kg
03.017	0.008

Tool for oscillating weight bolts.

MSA	Size	Kg
03.018	Ø 6 x 61.50 mm	0.017

Corrector tool with black POM tip.

Spare part :

MSA	Item	Kg	
03.018-A	Black POM tip	0.002	