

➤ **HOROTEC® tweezers are made for the most demanding watchmakers. The tips are perfectly aligned and the inside is hand polished to assure the best possible finishing. The steels and other alloys are carefully chosen to assure top quality.**



ASSORTMENT



MSA	Tweezers	Material	Size mm	Kg
12.380 (Pict.)	1 - 3 - 5 - 7	Carbon steel	90 x 165 x 27	0.150
12.381	"	Stainless steel	"	"
12.382	"	100% antimagnetic steel.	"	"

Assortment of HOROTEC® tweezers.  
Delivered in a wooden box.



ASSORTMENT



MSA	Tweezers	Material	Size mm	Kg
12.383	2 - 2A - 5 - 51	100% antimagnetic steel., sand blasted body and mirror polished tips	90 x 165 x 27	0.150

Assortment of HOROTEC® tweezers.  
Delivered in a wooden box.



ASSORTMENT



MSA	Tweezers	Material	Size mm	Kg
12.384	3 - 5 - 7 - 27	100% antimagnetic steel., sand blasted body and mirror polished tips	90 x 165 x 27	0.150

Assortment of HOROTEC® tweezers.  
Delivered in a wooden box.



ASSORTMENT



MSA	Tweezers	Material	Size mm	Kg
12.385	2 - 3	Stainless steel	90 x 165 x 27	0.150
	2 - 3	100% antimagnetic steel., sand blasted body and mirror polished tips		

Assortment of HOROTEC® tweezers.  
Delivered in a wooden box.



ASSORTMENT



MSA	Tweezers	Material	Size mm	Kg
12.386	1 - 3 - 4 - 5	100% antimagnetic steel.	90 x 165 x 27	0.150

Assortment of HOROTEC® tweezers.  
Delivered in a wooden box.

Other assortments of HOROTEC® tweezers not illustrated,  
but available, delivered in a wooden box :

MSA	Tweezers	Material	Size mm	Kg
12.387	1 - 2 - 3 - 5	Stainless steel	90 x 165 x 27	0.150
12.388	1 - 2 - 3 - 5	100% antimagnetic steel.	"	"
12.389	00	Carbon steel	"	"
	1 - 3 - F1	100% antimagnetic steel., sand blasted body and mirror polished tips		
12.390	2 - 3 - 4 - 5	100% antimagnetic steel., sand blasted body and mirror polished tips	"	"

➤ <b>12.300</b>	Hard carbon steel
<b>12.301</b>	Stainless steel
<b>12.302</b>	100% antimagnetic steel
<b>12.303</b>	Brass
<b>12.304</b>	100% antimagnetic nickel
<b>12.305</b>	Beryllium copper
<b>12.306</b>	Bronze

*Standard polished bodies and tips!*



MSA	Material	Length mm	Kg
12.300-0	Carbon steel	120	0.018
12.301-0	Stainless steel	"	"
12.302-0	100% antimagnetic steel.	"	"

HOROTEC® tweezers fine, Geneva shape.



MSA	Material	Length mm	Kg
12.302-OC	100% antimagnetic steel.	110	0.015

HOROTEC® tweezers fine for hair springs.



MSA	Material	Length mm	Kg
12.300-00	Carbon steel	120	0.022
12.301-00	Stainless steel	"	"
12.302-00	100% antimagnetic steel.	"	"

HOROTEC® tweezers thick with flat tips, Geneva shape.



MSA	Material	Length mm	Kg
12.300-1	Carbon steel	120	0.016
12.301-1	Stainless steel	"	"
12.302-1	100% antimagnetic steel.	"	"
12.305-1	Beryllium copper	"	"

HOROTEC® tweezers strong and high quality type.



MSA	Material	Length mm	Kg
12.300-2	Carbon steel	120	0.018
12.301-2	Stainless steel	"	"
12.302-2	100% antimagnetic steel.	"	"

HOROTEC® tweezers strong with fine and flat tips.



MSA	Material	Length mm	Kg
12.302-2A	100% antimagnetic steel.	120	0.014

HOROTEC® tweezers, large and round tips, for straightening hands.



MSA	Material	Length mm	Kg
12.300-3	Carbon steel	120	0.014
12.301-3	Stainless steel	"	"
12.302-3	100% antimagnetic steel.	"	"
12.305-3	Beryllium copper	"	"

HOROTEC® tweezers fine and high quality type for hairsprings.



MSA	Material	Length mm	Kg
12.300-3C	Carbon steel	110	0.013
12.301-3C	Stainless steel	"	"
12.302-3C	100% antimagnetic steel.	"	"

HOROTEC® tweezers fine, short and high quality type for hairsprings.



MSA	Material	Length mm	Kg
12.300-4	Carbon steel	110	0.014
12.301-4	Stainless steel	"	"
12.302-4	100% antimagnetic steel.	"	"

HOROTEC® tweezers with long and fine tips, for hairsprings.



MSA	Material	Length mm	Kg
12.300-5	Carbon steel	110	0.013
12.301-5	Stainless steel	"	"
12.302-5	100% antimagnetic steel.	"	"

HOROTEC® tweezers short and extra-fine for hairsprings.



MSA	Material	Length mm	Kg
12.300-6	Carbon steel	115	0.018
12.301-6	Stainless steel	"	"
12.302-6	100% antimagnetic steel.	"	"
12.303-6	Brass	"	"

HOROTEC® tweezers hook shape and fine tips.

*Standard polished bodies and tips!*



» <b>12.300</b>	Hard carbon steel
<b>12.301</b>	Stainless steel
<b>12.302</b>	100% antimagnetic steel
<b>12.303</b>	Brass
<b>12.304</b>	100% antimagnetic nickel
<b>12.305</b>	Beryllium copper
<b>12.306</b>	Bronze

MSA	Material	Length mm	Kg
12.300-7	Carbon steel	115	0.015
12.301-7	Stainless steel	"	"
12.302-7	100% antimagnetic steel.	"	"

HOROTEC® tweezers curved and extra-fine for hairsprings.



MSA	Material	Length mm	Kg
12.304-11	100% antimagnetic nickel	120	0.019

HOROTEC® tweezers, strong tips.



MSA	Material	Length mm	Kg
12.304-12	100% antimagnetic nickel	120	0.019

HOROTEC® tweezers, fine tips.



MSA	Material	Length mm	Kg
12.300-14	Carbon steel	110	0.030

HOROTEC® tweezers simple for removing and holding hands.



MSA	Material	Length mm	Kg
12.300-14A	Carbon steel	115	0.021

HOROTEC® tweezers with sliding locker for removing and holding hands.



MSA	Material	Length mm	Kg
12.300-15	Carbon steel	105	0.014

HOROTEC® tweezers for marking hairsprings.



MSA	Material	Length mm	Kg
12.300-15A	Carbon steel	115	0.035

HOROTEC® tweezers strong for cutting hairsprings.



MSA	Material	Length mm	Kg
12.301-27	Stainless steel	135	0.017
12.302-27	100% antimagnetic steel.	135	0.017

HOROTEC® tweezers strong and pointed for jewellers.



MSA	Material	Length mm	Kg
12.300-AA	Carbon steel	125	0.020
12.301-AA	Stainless steel	"	"
12.302-AA	100% antimagnetic steel.	"	"
12.303-AA	Brass	"	"

HOROTEC® tweezers strong and elegant for ordinary use.



MSA	Material	Length mm	Kg
12.303-AM	Antimagnetic brass	130	0.022

HOROTEC® tweezers for hairsprings, Parisian shape.



MSA	Material	Length mm	Kg
12.300-B5	Carbon steel	125	0.019
12.301-B5	Stainless steel	"	"
12.303-B5	Brass	"	"
12.304-B5	100% antimagnetic nickel	"	"
12.306-B5	Bronze	"	"
12.307-B5	Gilt brass	130	0.022

HOROTEC® tweezers strong and robust tips.

## Standard polished bodies and tips!



D

» 12.300	Hard carbon steel
12.301	Stainless steel
12.302	100% antimagnetic steel
12.303	Brass
12.304	100% antimagnetic nickel
12.305	Beryllium copper
12.306	Bronze

MSA	Material	Length mm	Kg
12.300-D	Carbon steel	95	0.026

HOROTEC® tweezers for cutting and removing rollers, pivots and pinions.



F

MSA	Material	Length mm	Kg
12.300-F	Carbon steel	115	0.016
12.301-F	Stainless steel	"	"
12.302-F	100% antimagnetic steel.	"	"

HOROTEC® tweezers with flat tips, for straightening hands.



MM

MSA	Material	Length mm	Kg
12.300-MM	Carbon steel	125	0.019
12.301-MM	Stainless steel	"	"
12.302-MM	100% antimagnetic steel.	"	"
12.303-MM	Brass	"	"

HOROTEC® tweezers for hairsprings, Parisian shape.



P

MSA	Material	Length mm	Kg
12.300-P	Carbon steel	120	0.014
12.301-P	Stainless steel	"	"
12.302-P	100% antimagnetic steel.	"	"

HOROTEC® tweezers simple, strong tips.



S

MSA	Material	Length mm	Kg
12.300-S	Carbon steel	120	0.015
12.301-S	Stainless steel	"	"
12.302-S	100% antimagnetic steel.	"	"

HOROTEC® tweezers simple, fine tips.



S5

MSA	Material	Length mm	Kg
12.303-S5	Brass	130	0.022
12.304-S5	100% antimagnetic nickel	"	"

HOROTEC® tweezers simple, fine tips.



S5C

MSA	Material	Length mm	Kg
12.303-S5C	Brass	135	0.021

HOROTEC® tweezers bent, fine tips.



SS

MSA	Material	Length mm	Kg
12.300-SS	Carbon steel	140	0.015
12.301-SS	Stainless steel	"	"
12.302-SS	100% antimagnetic steel.	"	"

HOROTEC® tweezers long and narrow with fine tips.



*High quality finishing.  
Sand blasted body  
and mirror  
polished tips!*


**1**


MSA	Material	Length mm	Kg
12.312-1	100% antimagnetic steel.	120	0.013

HOROTEC® tweezers strong and high quality type, sand blasted body and mirror polished tips.


**2**


MSA	Material	Length mm	Kg
12.312-2	100% antimagnetic steel.	120	0.014

HOROTEC® tweezers strong type with fine and flat tips, sand blasted body and mirror polished tips.


**2A**


MSA	Material	Length mm	Kg
12.312-2A	100% antimagnetic steel.	120	0.014

HOROTEC® tweezers large with round tips, for straightening hands, sand blasted body and mirror polished tips.


**3**


MSA	Material	Length mm	Kg
12.312-3	100% antimagnetic steel.	120	0.013

HOROTEC® tweezers fine and high quality type for hairsprings, sand blasted body and mirror polished tips.


**4**


MSA	Material	Length mm	Kg
12.312-4	100% antimagnetic steel.	110	0.013

HOROTEC® tweezers with long and fine tips for hairsprings, sand blasted body and mirror polished tips.


**5**


MSA	Material	Length mm	Kg
12.312-5	100% antimagnetic steel.	110	0.012

HOROTEC® tweezers extra-fine for hairsprings, sand blasted body and mirror polished tips.


**7**


MSA	Material	Length mm	Kg
12.312-7	100% antimagnetic steel.	115	0.013

HOROTEC® tweezers curved and extra-fine for hairsprings, sand blasted body and mirror polished tips.


**27**


MSA	Material	Length mm	Kg
12.312-27	100% antimagnetic steel.	135	0.016

HOROTEC® tweezers strong and pointed for stones ; sand blasted body and mirror polished tips.


**51**


MSA	Material	Length mm	Kg
12.312-51	100% antimagnetic steel.	115	0.012

HOROTEC® tweezers bent and extra-fine for hairsprings, sand blasted body and mirror polished tips.


**F**


MSA	Material	Length mm	Kg
12.312-F	100% antimagnetic steel.	120	0.015

HOROTEC® tweezers with flat tips for straightening hands, sand blasted body and mirror polished tips.


**F1**


MSA	Material	Length mm	Kg
12.312-F1	100% antimagnetic steel.	120	0.014

HOROTEC® tweezers with round tips for straightening hands, sand blasted body and mirror polished tips.





*Standard polished  
body and mirror  
polished tips!*


**1**

MSA	Material	Length mm	Kg
12.302-1/1	100% antimagnetic steel.	120	0.016

HOROTEC® tweezers strong with mirror polished tips.


**2**

MSA	Material	Length mm	Kg
12.302-2/1	100% antimagnetic steel.	120	0.015

HOROTEC® tweezers strong with thin and flat mirror polished tips.


**2A**

MSA	Material	Length mm	Kg
12.302-2A/1	100% antimagnetic steel.	120	0.016

HOROTEC® tweezers with large and round mirror polished tips for straightening hands.


**3**

MSA	Material	Length mm	Kg
12.302-3/1	100% antimagnetic steel.	120	0.014

HOROTEC® tweezers fine and high quality type for hairsprings, mirror polished tips.


**5**

MSA	Material	Length mm	Kg
12.302-5/1	100% antimagnetic steel.	110	0.013

HOROTEC® tweezers short and extra-fine for hairsprings, mirror polished tips.


**7**

MSA	Material	Length mm	Kg
12.302-7/1	100% antimagnetic steel.	115	0.013

HOROTEC® tweezers with curved extra fine mirror polished tips.


**27**

MSA	Material	Length mm	Kg
12.302-27/1	100% antimagnetic steel.	135	0.017

HOROTEC® tweezers strong and pointed for jewellers, mirror polished tips.


**51**

MSA	Material	Length mm	Kg
12.302-51/1	100% antimagnetic steel.	115	0.012

HOROTEC® tweezers with curved extra fine mirror polished tips for hairsprings.


**F1**

MSA	Material	Length mm	Kg
12.301-F1	Stainless steel	115	0.017
12.302-F1	100% antimagnetic steel.	"	"

HOROTEC® tweezers, round mirror polished tips for straightening hands.

» **HOROTEC® tweezers for bending hairsprings.**


**10-0**

MSA	Material	Length mm	Kg
12.300-10-0	Carbon steel	110	0.015

HOROTEC® tweezers for bending hairsprings.


**10-00**

MSA	Material	Length mm	Kg
12.300-10-00	Carbon steel	110	0.015

HOROTEC® tweezers for bending hairsprings.


**10-1**


MSA	Material	Length mm	Kg
12.300-10-1	Carbon steel	110	0.015

HOROTEC® tweezers for bending hairsprings.


**10-2**


MSA	Material	Length mm	Kg
12.300-10-2	Carbon steel	110	0.015

HOROTEC® tweezers for bending hairsprings.


**10-3**


MSA	Material	Length mm	Kg
12.300-10-3	Carbon steel	110	0.015

HOROTEC® tweezers for bending hairsprings.


**10-4**


MSA	Material	Length mm	Kg
12.300-10-4	Carbon steel	110	0.015

HOROTEC® tweezers for bending hairsprings.


**10-5**


MSA	Material	Length mm	Kg
12.300-10-5	Carbon steel	110	0.015

HOROTEC® tweezers for bending hairsprings.


**10-6**


MSA	Material	Length mm	Kg
12.300-10-6	Carbon steel	110	0.015

HOROTEC® tweezers for bending hairsprings.


**10B**


MSA	Material	Length mm	Kg
12.300-10B	Carbon steel	115	0.015

HOROTEC® tweezers for bending hairsprings.

» **HOROTEC® special tweezers with red vulcanized fibre tips.**



MSA	Material	Length mm	Kg
12.150	Antimagnetic nickel	125	0.020

Antimagnetic nickel HOROTEC® special tweezers with extra fine red vulcanized fibre tips 0.5 mm.



MSA	Material	Length mm	Kg
12.727	Antimagnetic nickel	125	0.020

Antimagnetic nickel HOROTEC® special tweezers with fine red vulcanized fibre tips.



MSA	Material	Length mm	Kg
12.710	Antimagnetic nickel	125	0.020

Antimagnetic nickel HOROTEC® special tweezers with medium red vulcanized fibre tips.



MSA	Material	Length mm	Kg
12.726	Antimagnetic nickel	125	0.020

Antimagnetic nickel HOROTEC® special tweezers with large red vulcanized fibre tips.



MSA	Material	Length mm	Kg
12.729	Antimagnetic nickel	125	0.020

Antimagnetic nickel HOROTEC® special tweezers with large red vulcanized fibre and felt tips for oiling main-springs.

➤ *Aluminium tweezers with interchangeable hard tips made of black carbonic-fibre or white Delrin®. Used for handling delicate pieces without marking them. They are so light that they allow you to prolong the work without any tiredness.*



➤ Easy used tips replacement thanks to patented rivet and clip system.

*Antimagnetic and ultra light, 10 g!!!*



MSA	Material	Length mm	Kg
12.711	Aluminium	123	0.010

HOROTEC® tweezers with large and square black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.711-A	12.711 and 12.731	0.002



MSA	Material	Length mm	Kg
12.712	Aluminium	130	0.010

HOROTEC® tweezers with large and round black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.712-A	12.712 and 12.732	0.002



MSA	Material	Length mm	Kg
12.713	Aluminium	130	0.010

HOROTEC® tweezers with fine black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.713-A	12.713 and 12.733	0.002



MSA	Material	Length mm	Kg
12.714	Aluminium	130	0.010

HOROTEC® tweezers with very fine black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.714-A	12.714 and 12.734	0.002



MSA	Material	Length mm	Kg
12.715	Aluminium	120	0.010

HOROTEC® tweezers with curved and fine black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.715-A	12.715 and 12.735	0.002



MSA	Material	Length mm	Kg
12.750	Aluminium	120	0.010

HOROTEC® tweezers with black large and round serrated carbon fibre tips for battery change.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.750-A	12.750	0.002



MSA	Material	Length mm	Kg
12.721	Aluminium	123	0.010

HOROTEC® tweezers with large and square white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.721-A	12.721 and 12.741	0.002



MSA	Material	Length mm	Kg
12.722	Aluminium	130	0.010

HOROTEC® tweezers with large and round white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.722-A	12.722 and 12.742	0.002



MSA	Material	Length mm	Kg
12.723	Aluminium	130	0.010

HOROTEC® tweezers with fine white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.723-A	12.723 and 12.743	0.002



MSA	Material	Length mm	Kg
12.724	Aluminium	130	0.010

HOROTEC® tweezers with very fine white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.724-A	12.724 and 12.744	0.002



MSA	Material	Length mm	Kg
12.725	Aluminium	120	0.010

HOROTEC® tweezers with curved and fine white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.725-A	12.725 and 12.745	0.002



Antimagnetic and  
ultra light, 10 g!!!



MSA	Material	Length mm	Kg
12.731	Aluminium	120	0.010

HOROTEC® negative tweezers with large and square black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.711-A	12.731 and 12.711	0.002



MSA	Material	Length mm	Kg
12.732	Aluminium	126	0.010

HOROTEC® negative tweezers with large and round black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.712-A	12.732 and 12.712	0.002



MSA	Material	Length mm	Kg
12.733	Aluminium	126	0.010

HOROTEC® negative tweezers with fine black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.713-A	12.733 and 12.713	0.002



MSA	Material	Length mm	Kg
12.734	Aluminium	126	0.010

HOROTEC® negative tweezers with very fine black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.714-A	12.734 and 12.714	0.002



MSA	Material	Length mm	Kg
12.735	Aluminium	117	0.010

HOROTEC® negative tweezers with curved and fine black carbon fibre **hard tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.715-A	12.735 and 12.715	0.002



#### MSA

12.728

Pairs of clips for replacement tweezers tips.

➤ A patented clip system allows a fast and easy replacement of tweezers tips.



MSA	Material	Length mm	Kg
12.741	Aluminium	120	0.010

HOROTEC® negative tweezers with large and square white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.721-A	12.741 and 12.721	0.002



MSA	Material	Length mm	Kg
12.742	Aluminium	126	0.010

HOROTEC® negative tweezers with large and round white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.722-A	12.742 and 12.722	0.002



MSA	Material	Length mm	Kg
12.743	Aluminium	126	0.010

HOROTEC® negative tweezers with fine white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.723-A	12.743 and 12.723	0.002



MSA	Material	Length mm	Kg
12.744	Aluminium	126	0.010

HOROTEC® negative tweezers with very fine white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.724-A	12.744 and 12.724	0.002



MSA	Material	Length mm	Kg
12.745	Aluminium	117	0.010

HOROTEC® negative tweezers with curved and fine white Delrin® **soft tips**.

#### Replacement tips (pair) :

MSA	For MSA	Kg
12.725-A	12.745 and 12.725	0.002

» Watch making **HOROSWISS®** Tweezers are specially made in Standard polish and at competitive prices. They are made in good material to provide good quality items for precized jobs.

» <b>12.811</b>	Stainless steel
<b>12.812</b>	100% antimagnetic steel
<b>12.813</b>	Brass



MSA	Material	Length mm	Kg
12.811-0	Steel	120	0.015
12.812-0	100% antimagnetic steel.	"	"

HOROSWISS® Tweezers fine tips, Geneve shape.



MSA	Material	Length mm	Kg
12.811-00	Steel	120	0.022
12.812-00	100% antimagnetic steel.	"	"

HOROSWISS® Tweezers thick and flat tips, Geneve shape.



MSA	Material	Length mm	Kg
12.811-1	Steel	120	0.015
12.812-1	100% antimagnetic steel.	"	"

HOROSWISS® Tweezers strong.



MSA	Material	Length mm	Kg
12.811-2	Steel	120	0.016
12.812-2	100% antimagnetic steel.	"	"

HOROSWISS® Tweezers strong, flat and fine tips.



MSA	Material	Length mm	Kg
12.811-3	Steel	120	0.015
12.812-3	100% antimagnetic steel.	"	"

HOROSWISS® Tweezers fine tips, for hairsprings.



MSA	Material	Length mm	Kg
12.811-3C	Steel	110	0.013
12.812-3C	100% antimagnetic steel.	"	"

HOROSWISS® Tweezers fine tips, for hairsprings.



MSA	Material	Length mm	Kg
12.811-4	Steel	110	0.013
12.812-4	100% antimagnetic steel.	"	"

HOROSWISS® Tweezers long and fine tips, for hairsprings.



MSA	Material	Length mm	Kg
12.811-5	Steel	110	0.014
12.812-5	100% antimagnetic steel.	"	"

HOROSWISS® Tweezers extra short and fine tips, for hairsprings.



MSA	Material	Length mm	Kg
12.811-AA	Steel	125	0.017
12.812-AA	100% antimagnetic steel.	"	"
12.813-AA	Brass	"	0.021

HOROSWISS® Tweezers strong for ordinary purposes.



MSA	Material	Length mm	Kg
12.812-B5	100% antimagnetic steel.	128	0.019

HOROSWISS® Tweezers very strong tips.



MSA	Material	Length mm	Kg
12.813-MM	Brass 100% antimag.	120	0.023

HOROSWISS® Tweezers for hairsprings.

» For ordinary work requiring tweezers at a very competitive price.

» 12.901	Stainless steel
12.902	100% antimagnetic steel
12.903	Brass
12.904	100% antimagnetic nickel



MSA	Material	Length mm	Kg
12.901-0	Stainless steel	115	0.018

PRECITEC® tweezers fine, Geneva shape.



MSA	Material	Length mm	Kg
12.901-00	Stainless steel	115	0.021

PRECITEC® tweezers thick with flat tips, Geneva shape.



MSA	Material	Length mm	Kg
12.902-0C	100% antimagnetic steel.	100	0.015

PRECITEC® tweezers medium, Geneva shape.



MSA	Material	Length mm	Kg
12.901-1	Stainless steel	120	0.019
12.902-1	100% antimagnetic steel.	"	0.022

PRECITEC® tweezers strong.



MSA	Material	Length mm	Kg
12.901-2	Stainless steel	120	0.020
12.902-2	100% antimagnetic steel.	"	"

PRECITEC® tweezers strong with fine and flat tips.



MSA	Material	Length mm	Kg
12.901-3	Stainless steel	120	0.020
12.902-3	100% antimagnetic steel.	"	0.022

PRECITEC® tweezers fine for hairsprings.



MSA	Material	Length mm	Kg
12.901-3C	Stainless steel	110	0.014
12.902-3C	100% antimagnetic steel.	"	0.016

PRECITEC® tweezers fine for hairsprings.



MSA	Material	Length mm	Kg
12.901-4	Stainless steel	110	0.018
12.902-4	100% antimagnetic steel.	"	0.020

PRECITEC® tweezers with long and fine tips for hair-springs.



MSA	Material	Length mm	Kg
12.901-5	Stainless steel	110	0.016
12.902-5	100% antimagnetic steel.	"	0.020

PRECITEC® tweezers extra-fine for hairsprings.



MSA	Material	Length mm	Kg
12.901-6	Stainless steel	115	0.023
12.902-6	100% antimagnetic steel.	"	0.022

PRECITEC® tweezers hook shape and fine tips.



MSA	Material	Length mm	Kg
12.901-7	Stainless steel	120	0.020

PRECITEC® tweezers curved and extra-fine for hairsprings.



MSA	Material	Length mm	Kg
12.904-11	100% antimagnetic nickel	120	0.016

PRECITEC® tweezers, strong tips.



MSA	Material	Length mm	Kg
12.904-12	100% antimagnetic nickel	120	0.017

PRECITEC® tweezers, fine tips.

» <b>12.901</b>	Stainless steel
<b>12.902</b>	100% antimagnetic steel
<b>12.903</b>	Brass
<b>12.904</b>	100% antimagnetic nickel



MSA	Material	Length mm	Kg
12.901-AA	Stainless steel	125	0.022
12.902-AA	100% antimagnetic steel.	"	0.024
12.903-AA	Brass	"	0.022

PRECITEC® tweezers strong and elegant, for ordinary use.



MSA	Material	Length mm	Kg
12.901-F	Stainless steel	115	0.017

PRECITEC® tweezers with flat tips, for straightening hands.



MSA	Material	Length mm	Kg
12.901-MM	Stainless steel	125	0.019
12.902-MM	100% antimagnetic steel.	"	"
12.903-MM	Brass	"	0.023

PRECITEC® tweezers for assembling.



MSA	Material	Length mm	Kg
12.901-P	Stainless steel	120	0.018
12.902-P	100% antimagnetic steel.	"	0.019

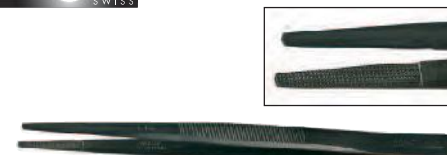
PRECITEC® tweezers strong, simple shape.



MSA	Material	Length mm	Kg
12.901-SS	Stainless steel	135	0.019

PRECITEC® tweezers, simple shape, fine, narrow and long.

» **HOROTEC® tweezers for jewellery. Serrated inside for handling diamonds and jewels with care.**



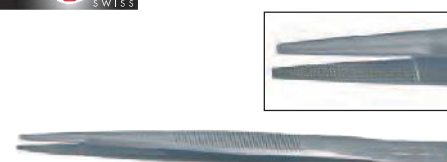
MSA	Material	Tips	Length mm	Kg
12.506	Blackened carbon steel	Large	140	0.020
12.507	" " "	Medium	"	"
12.508	" " "	Fine	"	"

HOROTEC® tweezers.



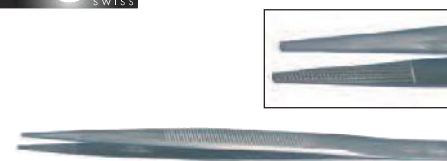
MSA	Material	Tips	Length mm	Kg
12.509	Blackened carbon steel	Large	160	0.023
12.510	" " "	Medium	"	"
12.511	" " "	Fine	"	"

HOROTEC® tweezers.



MSA	Material	Tips	Length mm	Kg
12.512	Polished stainless steel	Large	140	0.020
12.513	" " "	Medium	"	"
12.514	" " "	Fine	"	"

HOROTEC® tweezers.



MSA	Material	Tips	Length mm	Kg
12.515	Polished stainless steel	Large	160	0.023
12.516	" " "	Medium	"	"
12.517	" " "	Fine	"	"

HOROTEC® tweezers.



MSA	Pointes	Length mm	Kg
12.606-F	Fine	160	0.023
12.606-M	Medium	"	"

Stones tweezers long tips with slide locker.



MSA		Length mm	Kg
12.603		155	0.028

Tweezers for holding rings, with slide lock.



MSA	Tips	Length mm	Kg
12.604	Fine	155	0.025
12.605	Medium	"	"

Tweezers long, for jewellers.



MSA	Models	Length mm	Kg
12.650-A	3 claws	60	0.010

Pocket stone tweezers nickel-plated, for jewellers, with return spring.



MSA	Models	Length mm	Kg
12.651-A	3 claws	125	0.016
12.651-B	4 claws	"	"
12.651-C	3 claws (economic)	"	"

Tweezers nickel-plated, for jewellers, with return spring.



MSA	Models	Length mm	Kg
12.652-A	3 claws	125	0.017
12.652-B	4 claws	"	"

Tweezers nickel-plated with clip, for jewellers, with return spring.



MSA	Models	Length mm	Kg
12.662	P35	120	0.005

Tweezers SIPEL® in synthetic material, tips width 3.20 mm.



MSA	Model	Length mm	Kg
12.910	Stainless steel	208	0.049

Stainless steel ELMA® tweezers with sheathed tips for handling items under steam jet of ELMASTEAM.



MSA	Size mm	Kg
12.649	150 x 12.5	0.040

Kit Vacuum PEN-VAC Original ESD SAFE with 6 silicone probes + cups, high temperature resistant (230°). Alu minium body pen with clip. Ideal for picking up flat and very fragile Parts up to 200 Grams (dials, main plate...).

#### Contents :

MSA	Items	Cups mm
12.649-A	Pen-Vac body only	
12.649-B	45° Bent Probe	9.53
12.649-C	Straight Probe	9.53
12.649-D	45° Bent Probe	6.35
12.649-E	Straight Probe	6.35
12.649-F	45° Bent Probe	3.56
12.649-G	Straight Probe	3.56
12.649-H	Cup only	9.53
12.649-J	Cup only	6.35
12.649-K	Cup only	3.56

➤ See chapter PERF.

