

24



BENCHES

24 - 2

CHAIRS

24 - 9

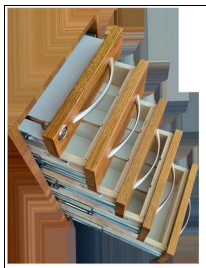
BENCH ACCESSORIES

24 - 13

- HOROTEC® DELUXE solid oak benches, very stable and well adapted to watchmakers.**
- Top 140 x 70 cm, adjustable working height by an electrical system from 95 to 115 cm
 - Ergonomic and adjustable Alcantara oval armrests in any desired position
 - With cabinet (1 or 2) or without. The cabinet contains 1 tray and 4 drawers (3 of them with adaptable separations).
 - Different keys for locking each cabinet
 - Technical channel
 - Stability adjustment made by screws underneath each polyamide foot.



**ADJUSTABLE
DELUXE
VERSION**



30.5 x 41.5 x 62.5 mm



MSA24.446



Electrical adjustment :

MSA	Versions	Cabinet	Kg
24.442	A	0	80.000
24.443	B	1	112.000
24.446	C	2	144.000

- VERSION A :**
- 1 top 140 x 70 cm, height adjustable 95...115 cm
 - 2 ergonomic and adjustable Alcantara oval armrests
 - 1 technical channel
 - Without cabinet.

- VERSION B :**
- Version A + 1 right cabinet.

- VERSION C :**
- Version A + 2 cabinets.

- Inside dimensions of the cabinet :**
- 1 tray 24 x 33.6 cm
 - 2 drawers 24 x 37.5 x 6 cm (15 cases)
 - 1 drawer 24 x 37.5 x 10 cm (15 cases)
 - 1 drawer 24 x 37.5 x 10 cm.

Separations are removable.

HOROTEC® standard benches, very stable and well adapted to watchmakers.

- Top 140 x 70 cm, adjustable working height by a manual or electrical hydraulic system from 95 to 115 cm
- Fixed armrests and 1 central drawer
- With cabinet (1 or 2) or without. The cabinet contains 1 tray and 4 drawers (3 of them with adaptable separations).
- Different keys for locking each cabinet
- 1 technical channel
- Stability adjustment made by screws underneath each polyamide foot.



ADJUSTABLE STANDARD VERSION



MSA24.508-140



MSA24.568-140



P. 24-5



MSA24.573-140



Manual hydraulic adjustment :

MSA	Versions	Colour	Kg
24.504-140	A	Standard	102.000
24.564-140	A	Grey	102.000
24.569-140	A	White	102.000
-	-	-	-
24.505-140	B	Standard	134.000
24.565-140	B	Grey	134.000
24.570-140	B	White	134.000

VERSION A :

- 1 top 140 x 70 cm, height adjustable 95...115 cm
- 2 fixed armrests and 1 central drawer
- 1 technical channel
- Without cabinet.

VERSION B :

- Version A + 1 right cabinet.



Electrical adjustment :

MSA	Versions	Colour	Kg
24.506-140	C	Standard	102.000
24.566-140	C	Grey	102.000
24.571-140	C	White	102.000
-	-	-	-
24.507-140	D	Standard	134.000
24.567-140	D	Grey	134.000
24.572-140	D	White	134.000
-	-	-	-
24.508-140	E	Standard	166.000
24.568-140	E	Grey	166.000
24.573-140	E	White	166.000

VERSION C :

- 1 top 140 x 70 cm, height adjustable 95...115 cm
- 2 fixed armrests and 1 central drawer
- 1 technical channel
- Without cabinet.

VERSION D :

- Version C + 1 right cabinet.

VERSION E :

- Version C + 2 cabinets.

- HOROTEC® standard benches, very stable and well adapted to watchmakers.**
- Top 140 x 70 cm, adjustable working height by screws and nuts
 - Fixed armrests, 1 central drawer and 1 rear panel
 - With cabinet (1 or 2) or without. The cabinet contains 1 tray and 4 drawers (3 of them with adaptable separations)
 - Different keys for locking each cabinet
 - Stability adjustment made by screws underneath each polyamide foot.



ADJUSTABLE STANDARD VERSION



MSA	Versions	Colour	Top	Cabinet	Kg
24.501-140	A	Standard	140 x 70 cm	0	67.000
24.561-140	A	Grey	140 x 70 cm	0	67.000
24.575-140	A	White	140 x 70 cm	0	67.000
-	-	-	-	-	-
24.502-140	B	Standard	140 x 70 cm	1	99.000
24.562-140	B	Grey	140 x 70 cm	1	99.000
24.576-140	B	White	140 x 70 cm	1	99.000
-	-	-	-	-	-
24.503-140	C	Standard	140 x 70 cm	2	131.000
24.563-140	C	Grey	140 x 70 cm	2	131.000
24.577-140	C	White	140 x 70 cm	2	131.000

VERSION A :
 - 1 top 140 x 70 cm, adjustable working height by screws and nuts
 - 2 fixed armrests and 1 central drawer
 - 1 rear panel
 - Without cabinet.
 Optional : technical channel MSA24.528-140V4.

VERSION B :
 - Version A + 1 right cabinet.

VERSION C :
 - Version A + 2 cabinets.

For export, the bench is delivered unassembled in a cardboard transport box (included in the price) with detailed assembly instructions. Box size : 150 x 95 x 55 cm.

Cabinets for HOROTEC® benches.



MSA	Size W x D x H	Kg
24.460	30.5 x 59.5 x 63 cm (wheels included)	32.400

Mobile watchmaker cabinet, mounted on 4 pivoting wheels (1-wheel brake). Top covered with a black rubber groove mat, 4 drawers and 1 tray with full opening.



Inside dimensions of the cabinet :

- 1 tray 23.8 x 53 cm
- 2 drawers 21.8 x 53 x 6 cm (21 cases 7 x 7 x 6 cm)
- 1 drawer 21.8 x 53 x 10 cm (21 cases 7 x 7 x 6 cm)
- 1 drawer 21.8 x 53 x 13 cm.

Separations are removable.

The classic cabinet for the HOROTEC® standard benches.



MSA	Size	Kg
24.434	75.0 x 48.7 x 78.7 cm	46.800

Bench mobile cabinet with 4 pivoting wheels (2 wheels brake). Top covered with a black rubber groove mat, 5 drawers with full opening.

Inside dimensions of the cabinet :

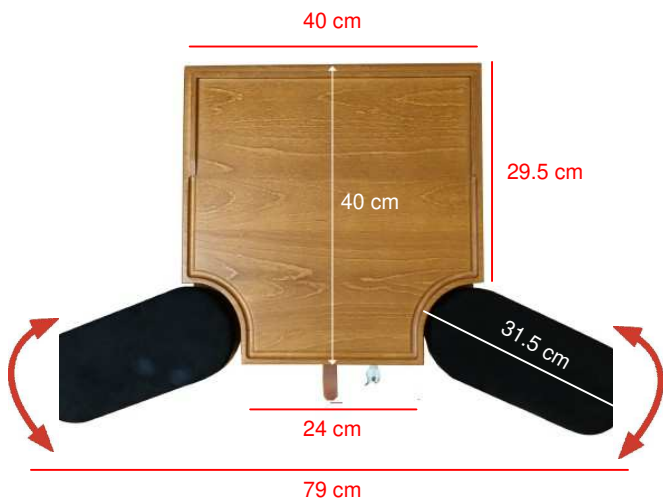
- 3 drawers 39 x 54.9 x 6.5 cm
- 1 drawer 39 x 54.9 x 7.9 cm
- 1 drawer 39 x 54.9 x 17.9 cm.



MSA	Size	Kg
24.040	70 x 30 x 25 cm	8.260

Cabinet made of spruce with 22 drawers.

Mini bench HOROTEC®.



MSA	Height	Kg
24.071	13.5 cm	8.350

- Mini bench.
- Solid oak top and adjustable Alcantara armrests
 - Adjustable feet for perfect stability
 - Drawer on front side, delivered with 1 key
 - Possibility to store the armrests inside the bench.

Specially studied and designed to obtain a good working height on a standard furniture (table, desk, etc.).

The height-gain, which allows this mini bench, offers a wide range of applications. It replaces a traditional bench in places with reduced space : stand during an exhibition, a store, a meeting room, homeworking, training, etc.

Accessories for HOROTEC® benches.



MSA	Size	Kg
24.038	480 x 300 mm	1.450

Tilting footrest with continuous adjustment.
Height front / behind : 50...100 / 50...100 mm.



MSA	Size
24.057	440 x 340 mm

Footrest with gas spring. Non-slip rubber mat.
Adjustable tilt range between 8° and 25°.
Height adjustment from 100 to 340 mm.



MSA	Size	Maximal opening	Kg
24.109	50 x 120 mm	50 mm	0.547

Black bench clamp for vice fixing.
Compatible with vice MSA08.104.
Delivered without fixing brass plate.

Vices : see chapter 08.



MSA	Size	Maximal opening	Kg
24.113	70 x 95 mm	60 mm	0.565

Grey bench clamp for vice fixing.
Compatible with vice MSA08.104.
Delivered without fixing brass plate.

Vices : see chapter 08.



MSA	Size	Kg
24.405	60 x 60 x 50 mm	0.150

Wooden vice base.
Easy mounting on a bench thanks to a screw fitted with a detachable handle.
Compatible with vice MSA08.104.
Delivered without fixing brass plate.

Vices : see chapter 08.

Accessory :

MSA	Item	Kg
24.405-01	Fixing kit composed of 1 metal insert and 1 screw M6	0.008



MSA	Kg
24.523	0.760

Complete double swan-neck to be fixed on a bench.

Contents :

- 1 black anodized swan-neck MSA24.524
- 1 vacuum pen in black anodized aluminium MSA19.877
- 1 blower in black anodized aluminium MSA19.856
- 1 Nylon® soft brush Ø 10 mm MSA19.813
- 1 metre black pipe Ø 8 mm MSA19.851
- 1 metre black pipe Ø 6 mm MSA19.826
- 1 safety clip MSA19.862 for pipe Ø 8 mm
- 1 safety clip MSA19.861 for pipe Ø 6 mm
- 1 return spring MSA24.524-03, high tension
- 1 return spring MSA24.524-05, low tension
- 1 straight fitting Ø 6 mm MSA19.828-A
- 1 reduction 10-8 mm MSA19.849-D.



MSA	Kg
24.524	0.570

Double swan-neck alone to be fixed on a bench.



MSA	Kg
24.003-01	0.187

Bench socket for fixing a lamp.

HOROTEC® chairs.



MSA	Sitting height	Base	Kg
24.002	41...54 cm	Wheels	12.000

Watchmakers chair.

- 5 arm base with braked wheels (stopped when unloaded)
- Gas filled lift cylinder with fingertip adjustment for seat height
- Tilt adjustment asynchronous of the seat and the backrest by a single lever
- Ergonomic seat with double curve in multi-ply varnished beech, 40.5 x 39 cm
- Articulated backrest in varnished beech 40 x 22 cm, adjustable in height.

Spare parts :

MSA	Item	Kg
24.002-01	Low black column, setting 41... 54 cm	1.280
24.002-03	High black column, setting 51... 75 cm	1.740
24.002-05	Aluminium monobloc foot-ring	5.500
24.002-02	Set of 5 wheels	0.535
24.002-04	Set of 5 buffers	0.188



MSA	Sitting height	Base	Kg
24.010	46...59 cm	Wheels	10.000

Watchmakers chair.

- 5 arm base with braked wheels (stopped when unloaded)
- Gas filled lift cylinder with fingertip adjustment for seat height
- Tilt adjustment asynchronous of the seat and the backrest by a single lever
- Comfortable seat made of black polyurethane soft foam, 40 x 39 cm
- Articulated backrest made of black polyurethane soft foam 40 x 22 cm, adjustable in height.

Spare parts :

MSA	Item	Kg
24.002-01	Low black column, setting 41... 54 cm	1.280
24.002-03	High black column, setting 51... 75 cm	1.740
24.002-05	Aluminium monobloc foot-ring	5.500
24.002-02	Set of 5 wheels	0.535
24.002-04	Set of 5 buffers	0.188



MSA	Sitting height	Base	Kg
24.061	41...54 cm	Wheels	10.600

Watchmakers chair.

- 5 arm base with braked wheels (stopped when unloaded)
- Gas filled lift cylinder with fingertip adjustment for seat height
- Tilt adjustment asynchronous of the seat and the backrest by a single lever
- Ergonomic seat with double curve in multi-ply varnished beech, 40.5 x 39 cm
- Articulated backrest in varnished beech 39 x 38 cm, adjustable in height.



MSA	Sitting height	Base	Kg
24.060	55...79 cm	Wheels	7.500

- Wooden stool.
- 5 arm black polyamide base with wheels
 - Gas filled lift cylinder with fingertip adjustment for seat height
 - Shock absorber
 - Round seat in multi-ply varnished beech, thickness 19.5 mm.



MSA	Sitting height	Base	Kg
24.014	46...59 cm	Wheels	14.000

- Watchmakers chair made of antistatic polyurethane (PUR) with braked wheels (stopped when unloaded).
- Seat 40 x 39 cm
 - Backrest 35 x 22 cm.



MSA	Sitting height	Base	Kg
24.020	51...75 cm	Buffers	14.000

- Watchmakers chair made of polyurethane (PUR) with buffers and foot-ring.
- Seat 40 x 39 cm
 - Backrest 35 x 22 cm.



MSA	Sitting height	Base	Kg
24.021	51...75 cm	Buffers	11.000

Watchmakers chair made of wood with buffers and foot-ring.

- Seat 40.5 x 39 cm
- Backrest 40 x 22 cm.

Other chairs.



MSA	Sitting height	Base	Kg
24.031	42...56 cm	Wheels	10.200
24.033	44...64 cm	Wheels	10.200
24.037	55...80 cm	Buffers	10.200

TECLINE watchmakers chair made of black polyurethane foam.

- 5 arm base with braked wheels or buffers for hard floor
- Adjustable circular foot-ring
- Gas filled lift cylinder with fingertip adjustment for seat height
- Adjustable backrest in height and depth.

Spare parts :

MSA	Item	Kg
24.032-R	Set of 5 wheels for hard floor	0.535
24.032-S	Buffer for hard floor	0.040



MSA	Sitting height	Base	Kg
24.025	42...53 cm	Wheels	12.200
24.027	45...65 cm	Wheels	12.200
24.029	55...80 cm	Buffers	12.200

TECLINE watchmakers chair made of black polyurethane foam.

- 5 arm base with braked wheels or buffers for hard floor
- Gas filled lift cylinder with fingertip adjustment for seat height
- Adjustable backrest in height and depth.

Spare parts :

MSA	Item	Kg
24.032-R	Set of 5 wheels for hard floor	0.535
24.032-S	Buffer for hard floor	0.040



Excellent design quality meets superb ergonomics and special comfort.
 Neon represents the new generation of work chairs. No other production work chair has features that can compare.
 Thanks to its innovative 1+1 system, the upholstery can be changed with just one click.
 This means the Neon is flexible, sustainable and optically adaptable for the workplace.



MSA		Flex strip	Upholstery	Kg
24.065-0110	(1)	Orange	Fabric Duotec	10.600
24.065-0111	(1)	Orange	Fabric Duotec	10.600
24.065-0112	(1)	Orange	Fabric Duotec	10.600
24.065-0113	(1)	Orange	Artificial leather	10.600
24.065-0114	(1)	Orange	Artificial leather	10.600
24.065-0115	(1)	Orange	Artificial leather	10.600
24.065-0116	(1)	Orange	Integral foam	10.600
24.065-0117	(1)	Orange	Integral foam	10.600
24.065-0118	(1)	Orange	Integral foam	10.600
24.065-0119	(1)	Orange	Supertec	10.600
24.065-0120	(1)	Orange	Supertec	10.600
24.065-0121	(1)	Orange	Supertec	10.600
24.065-0210	(2)	Green	Fabric Duotec	10.600
24.065-0211	(2)	Green	Fabric Duotec	10.600
24.065-0212	(2)	Green	Fabric Duotec	10.600
24.065-0213	(2)	Green	Artificial leather	10.600
24.065-0214	(2)	Green	Artificial leather	10.600
24.065-0215	(2)	Green	Artificial leather	10.600
24.065-0216	(2)	Green	Integral foam	10.600
24.065-0217	(2)	Green	Integral foam	10.600
24.065-0218	(2)	Green	Integral foam	10.600
24.065-0219	(2)	Green	Supertec	10.600
24.065-0220	(2)	Green	Supertec	10.600
24.065-0221	(2)	Green	Supertec	10.600

MSA		Flex strip	Upholstery	Kg
24.065-0310	(3)	Blue	Fabric Duotec	10.600
24.065-0311	(3)	Blue	Fabric Duotec	10.600
24.065-0312	(3)	Blue	Fabric Duotec	10.600
24.065-0313	(3)	Blue	Artificial leather	10.600
24.065-0314	(3)	Blue	Artificial leather	10.600
24.065-0315	(3)	Blue	Artificial leather	10.600
24.065-0316	(3)	Blue	Integral foam	10.600
24.065-0317	(3)	Blue	Integral foam	10.600
24.065-0318	(3)	Blue	Integral foam	10.600
24.065-0319	(3)	Blue	Supertec	10.600
24.065-0320	(3)	Blue	Supertec	10.600
24.065-0321	(3)	Blue	Supertec	10.600
24.065-0410	(4)	Grey	Fabric Duotec	10.600
24.065-0411	(4)	Grey	Fabric Duotec	10.600
24.065-0412	(4)	Grey	Fabric Duotec	10.600
24.065-0413	(4)	Grey	Artificial leather	10.600
24.065-0414	(4)	Grey	Artificial leather	10.600
24.065-0415	(4)	Grey	Artificial leather	10.600
24.065-0416	(4)	Grey	Integral foam	10.600
24.065-0417	(4)	Grey	Integral foam	10.600
24.065-0418	(4)	Grey	Integral foam	10.600
24.065-0419	(4)	Grey	Supertec	10.600
24.065-0420	(4)	Grey	Supertec	10.600
24.065-0421	(4)	Grey	Supertec	10.600

BIMOS work chair type Neon 2 on load-dependant braked double wheels.

- Seat height 45...62 cm
- Permanent contact backrest (-2...19°). Height 57 cm
- Ergonomic package with tension settings, seat depth, seat tilt and backrest height
- Self-supporting and secure pneumatic cylinder with protection cover
- Black aluminium base with 5 arms with load-dependant braked double wheels.

Bench mats.



5 pieces

MSA		Colour	Size	Kg
24.206	(1)	Black	35 x 24 cm	0.270
24.207	(2)	White	35 x 24 cm	0.270
24.208	(3)	Green	35 x 24 cm	0.270

Wrapper of 5 adherent and repositionable bench mats.
Thickness 0.5 mm.



MSA		Colour	Type	Size	Kg
24.213	(1)	Green	Self-adhesive	32 x 24 mm	0.190
24.214	(2)	Green	Anti-skid	32 x 24 mm	0.195
24.215		Black	-	32 x 24 mm	0.195

Wrapper of 1 soft and flexible bench mat.
Resists to solvents, benzine, alcohol, etc. (except acetone).

(1) Thickness 1.50 mm
(2) Thickness 2.00 mm



Size : 1 meter x 1 meter

MSA	Colour	Type	Size	Kg
24.216	Green	Anti-skid	100 x 100 cm	1.400

Soft and flexible bench mat.
Resists to solvents, benzine, alcohol, etc. (except acetone).
Thickness 2.00 mm.

BENCH ACCESSORIES

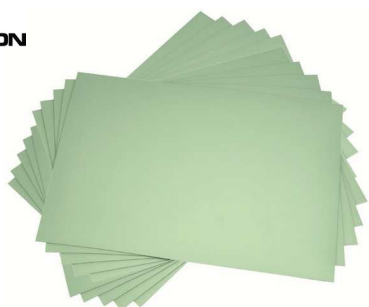


MSA	Size	Kg
24.203	35 x 24 cm	0.140

Soft anti-skid green bench mat, no self-adhesive but soft enough to be very adherent.

Thickness 2 mm.

BERGEON



ZBG	Size	Kg
6808-V-10	32 x 24 cm	0.350

Wrapper of 10 self-adhesive green bench mats.

Thickness 0.5 mm.

10 pieces



MSA	Hardness	Size	Kg
24.224	40 Shore	29.5 x 21 cm	0.240

Opaque soft silicone sheet.

Thickness 3 mm.

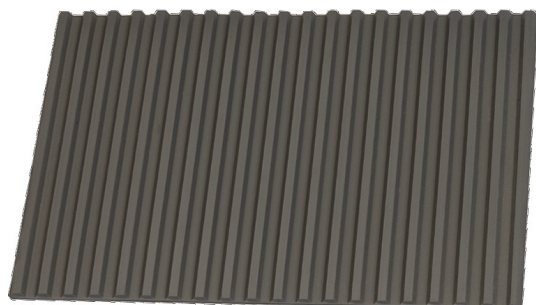


MSA	Hardness	Size	Kg
24.225	70 Shore	29.5 x 21 cm	0.250

Transparent hard silicone sheet.

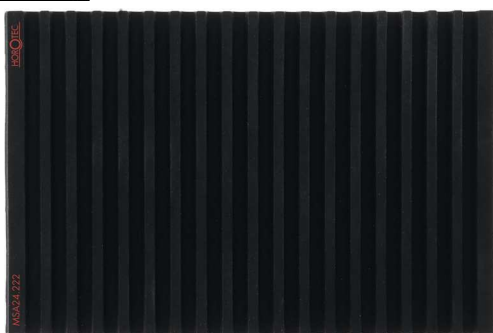
Thickness 3 mm.

Bench trays.



MSA	Size	Kg
24.220	15 x 10 cm	0.046
24.221	30 x 18 cm	0.160

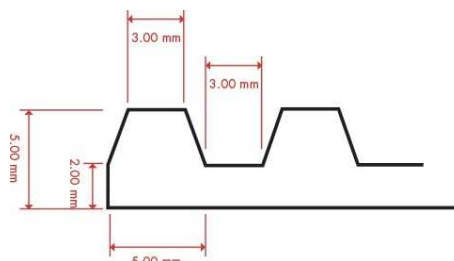
Self-adhesive ridged tray to avoid tools rolling.



MSA	Size	Kg
24.222 (1)	15.3 x 10 cm	0.070
24.223	25.7 x 15 cm	0.176

Black silicone anti-slip tray with grooves.

- (1) with 19 grooves
(2) with 32 grooves



Other accessories for benches.



MSA	Size	Kg
24.205	100 x 135 cm	0.385

PVC silvered blanket for bench cover to protect tools and parts from dust.
Sold by metre.
Thickness 0.25 mm.



MSA	Size	Kg
24.210	20 x 3.5 cm	0.010
24.211	30 x 3.5 cm	0.015

Self-adhesive PVC band to stick on bench, for winding watches.



MSA	Kg
24.401	1.360

Steel support with 1 vice and 1 peg stick.



MSA	Size	Kg
24.410	205 x 55 x 27 mm	0.150

Peg stick.

NOTES