

RC
SYSTEM

CATALOG
2023/2024



INNOVATIVE DEVICES
FOR DRILLING FURNITURE BOARDS

IDEA OF RC SYSTEM

Extremely fast and precise drilling of furniture boards with RC System technology.



TIME AND COST
SAVINGS



INCREASED
PRODUCTIVITY&QUALITY



WORKSHOP
DEVELOPMENT

A revolution in woodworking workshops.

RC System devices were created for small and medium-sized furniture workshops. They significantly speed up the drilling process, which is one of the most important stages in furniture production, saving a considerable amount of time and significantly increasing work efficiency.

The capabilities of large machines at your fingertips.

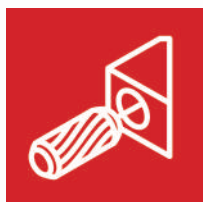
RC System technology enables secure and rapid drilling of holes for all connectors and fittings used in the furniture industry. By maintaining full precision and repeatability of drillings, users don't have to worry about the alignment of individual furniture components, whether they are creating a kitchen, a fitted wardrobe, or a bookshelf. RC System provides woodworking workshops with previously unattainable work capabilities, enhancing their competitiveness and the quality of the furniture they produce.

Highest quality and professionalism.

RC System devices are designed and manufactured in Poland. The extensive experience and expertise of Rotor-Centrum specialists, thorough practical tests of the devices, and ongoing market research ensure the highest quality, safety, and above all, the high functionality of RC System devices.

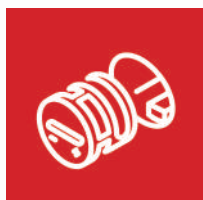
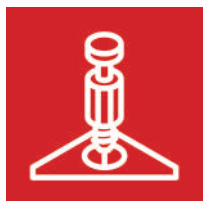
**MANUFACTURED
IN POLAND**





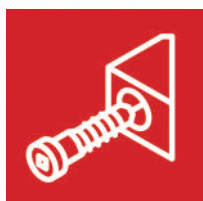
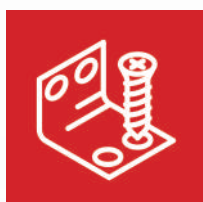
It's not about what, it's about how.

RC System devices enable drilling holes for all available fittings and connectors on the market. With their help, you can accurately drill holes for all the fittings and connectors used in the furniture industry, including dowels, hinges, eccentric connectors, confirmat screws, supports, actuators, and many more.



Quality appreciated by the best.

RC System devices are highly regarded not only by users but also by industry experts in the furniture industry. In 2022, the RC System drilling table was awarded the Gold Medal at the International Poznań Trade Fair.



RC SYSTEM DEVICES

One device, hundreds of tasks.

RC System Drilling Table – an innovative workstation essential in every workshop.

The RC System Drilling Table is a comprehensive and innovative device equipped with two independent drilling heads, serving as a base for RC System dual-spindle drills.

The table allows drilling both in the plane and at the edges of the board. It ensures full precision and repeatability of drillings while maintaining user-friendly operation. The movable linear-guided heads enable quick adjustment to the dimensions of the furniture board placed on the table.

The device features a range of adjustable stops and practical positioning bases, making each setup take only a few seconds. The table also allows work on long pieces, which can be easily moved under the drilling heads, thanks to a special support.

A mobile drilling center.

RC System Positioner – a compact device with extensive capabilities.

RC System Positioner is a portable, versatile device for precise drilling of furniture components. The device consists of a main plate used for drilling in the plane of the board and an element for drilling in the edges. Both elements have adjustable depth stops and chip extraction nozzles.

A special suction cup secures the device on the furniture board surface. The position of the device on the board is determined by positioning pins inserted into corresponding holes in the main plate of the Positioner. The drilling in the edges is controlled by using special element.

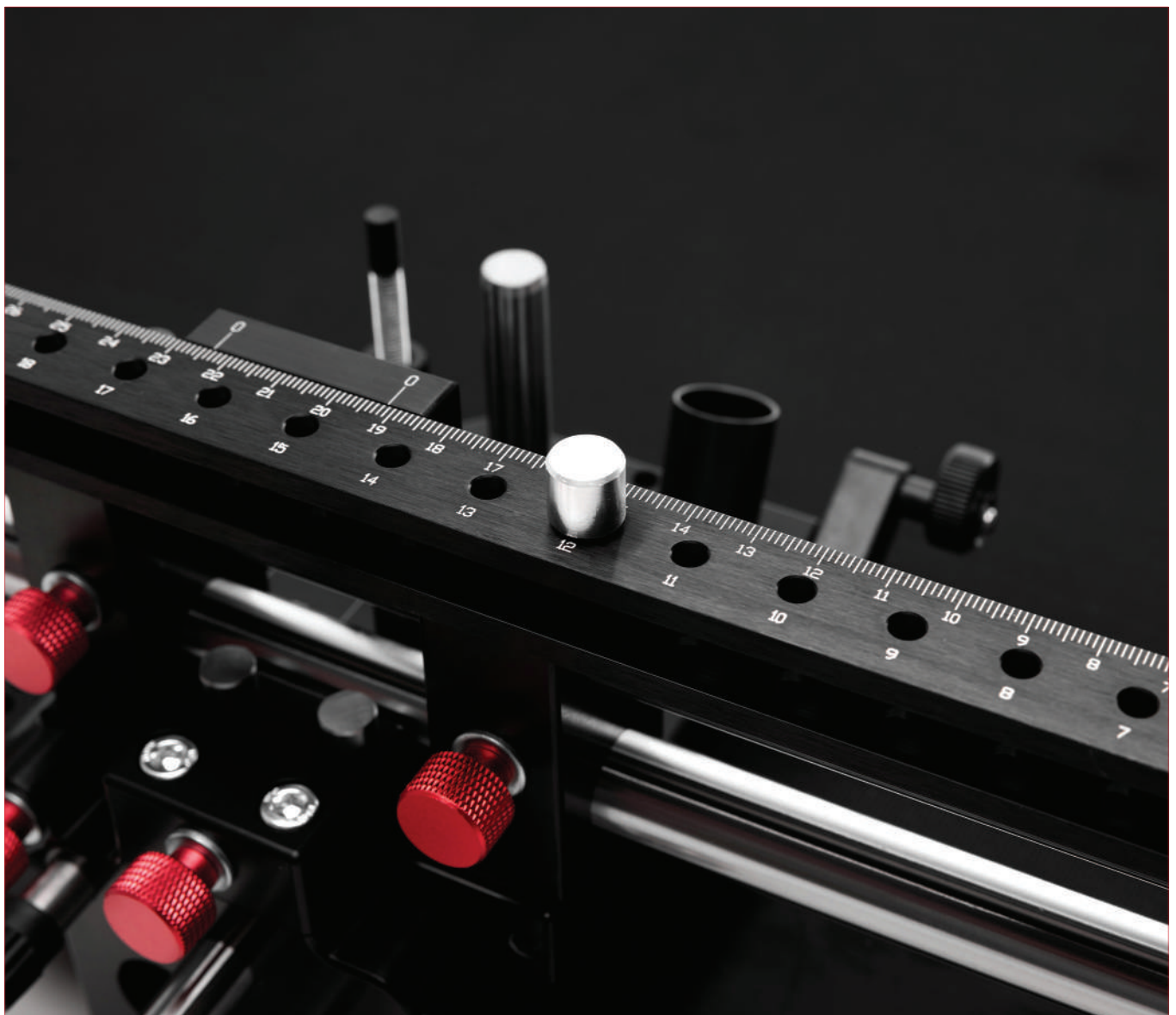


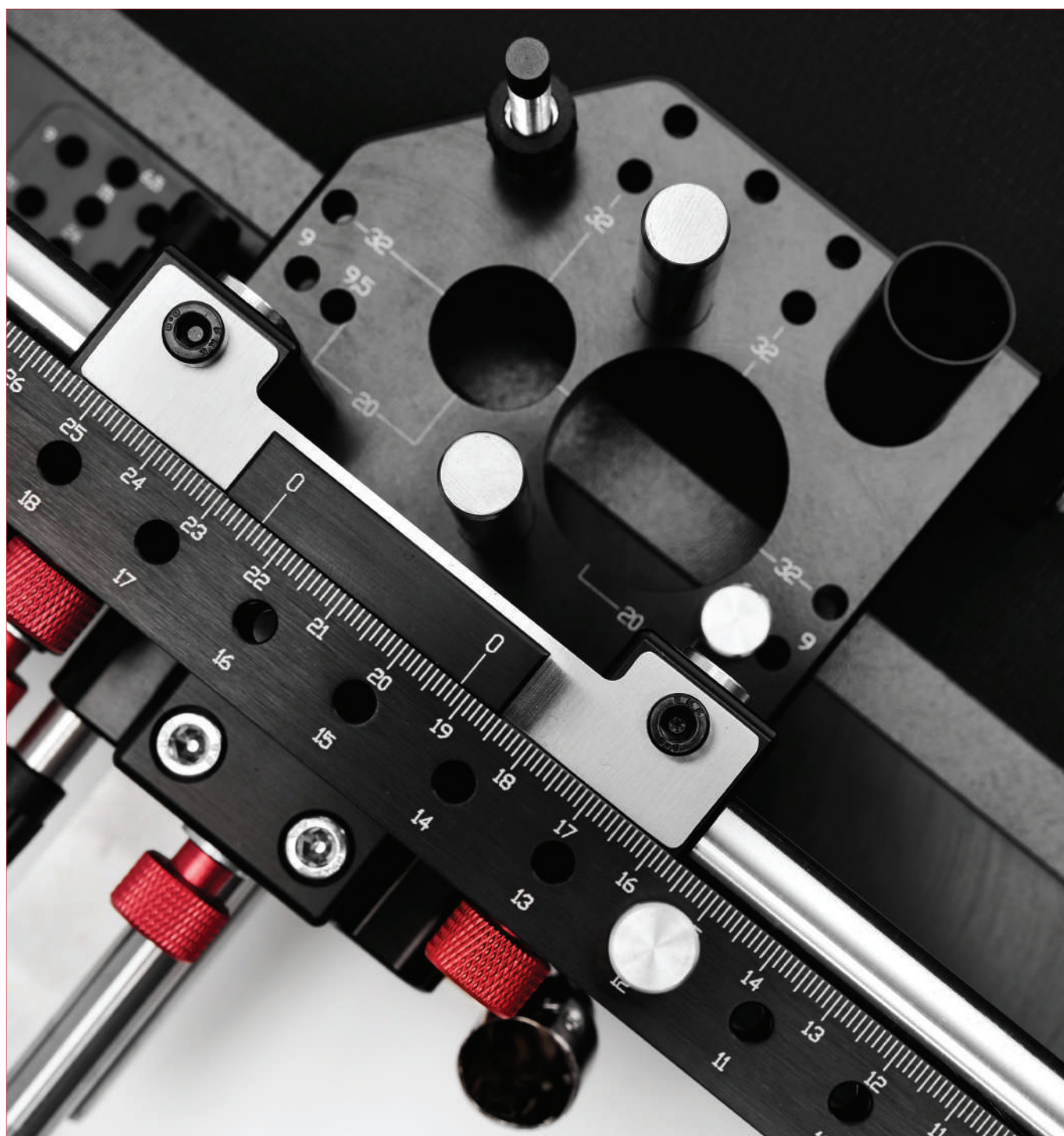
RC SYSTEM DRILLING TABLE

100% precision and certainty of drillings.

The RC System Drilling Table has been equipped with a range of practical bases and stops that can be easily and quickly adjusted. With them, we don't have to worry about maintaining the proper distances between individual drillings and the edges of furniture boards – we just need to set the bases once, place the furniture board on the table, and start drilling.

Precisely calibrated bases ensure full precision and precise alignment of the components of the produced furniture. The calculation is simple – the more boards we have to drill, the more time we save.





The table is equipped with a **metric scale** strip and **System 32** holes, allowing for easy drilling of holes, among others, for drawer slides, Aventos lift systems, and other fittings used in the furniture industry.

RC SYSTEM DRILLING TABLE



Underneath the metric scales, there are bases with holes for positioning pins. Their purpose is to facilitate the positioning of furniture boards for drilling in the plane. The set includes neutral pins as well as +0.5/1/1.5/2 mm pins, which increase the distance between the workpiece and the hole accordingly.

Positioning bases on the table.

Example applications:

6,5

Flippers

23

Hinge cups

8

PK2 connector

28

Front panel attachments

9,5

Cabinet sides

31

Drawer attachments

17Blum eccentric connector
with a diameter of 25 mm**34**

Eccentric connectors

20Target J10,
straight guides**37**

System 32

The dimensions mentioned above can be achieved by using neutral pins or increasing the distance with specific pins in the respective holes.

RC SYSTEM DRILLING TABLE



Next to the positioning sliders that move along the metric scales, there are additional positioning bases for drilling elements at distances of **37** and **57 mm** from the drill axis.



The additional equipment of the table includes a side strip with a precise scale of **0-1000 mm** and **three adjustable stops**, which facilitate work with the longest furniture components.

RC SYSTEM DRILLING TABLE



The table is equipped with inserts for **drilling in the edges**, which are mounted at the rear of the movable positioners.



After removing the edges drilling insert, a strip for working with long elements can be installed in its place, which can be used, for example, for **copying shelf-supports**.

RC SYSTEM DRILLING TABLE

A comprehensive solution for the most demanding users.

The RC System Drilling Table is the most comprehensive solution in our product lineup. The device is sold as a complete set, including two dual-spindle RC System drills and a range of accessories. After the purchase, all you need to do is familiarize yourself with the components of the set, connect the power supply, and you're ready to start working.



See how drilling looks on the Table.
Visit our YouTube channel: youtube.com/@RCSYSTEM.



INFORMATIONS

SET CONTENTS



**Device
dimensions:**

72x53x20 cm



**Total weight
of the device:**

20 kg



**Max. width of the
furniture board:**

665 mm



**Max. thickness of
the furniture board:**

26 mm



**Max. drilling
diameter:**

35 mm

RC System Drilling Table

2 x RC System dual-spindle drill

Extension for drilling long boards

Strip for supports/long elements

Strip for short elements

Set of pins and spacer plates

Chip extraction hose

Cable stand

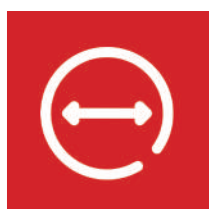
Accessories

RC SYSTEM POSITIONER

A compact device with great capabilities.

The RC System Positioner is a small tool that allows drilling holes anywhere on the surface of the furniture board and in the board's edges – without the need for dozens of additional templates and metric tools.

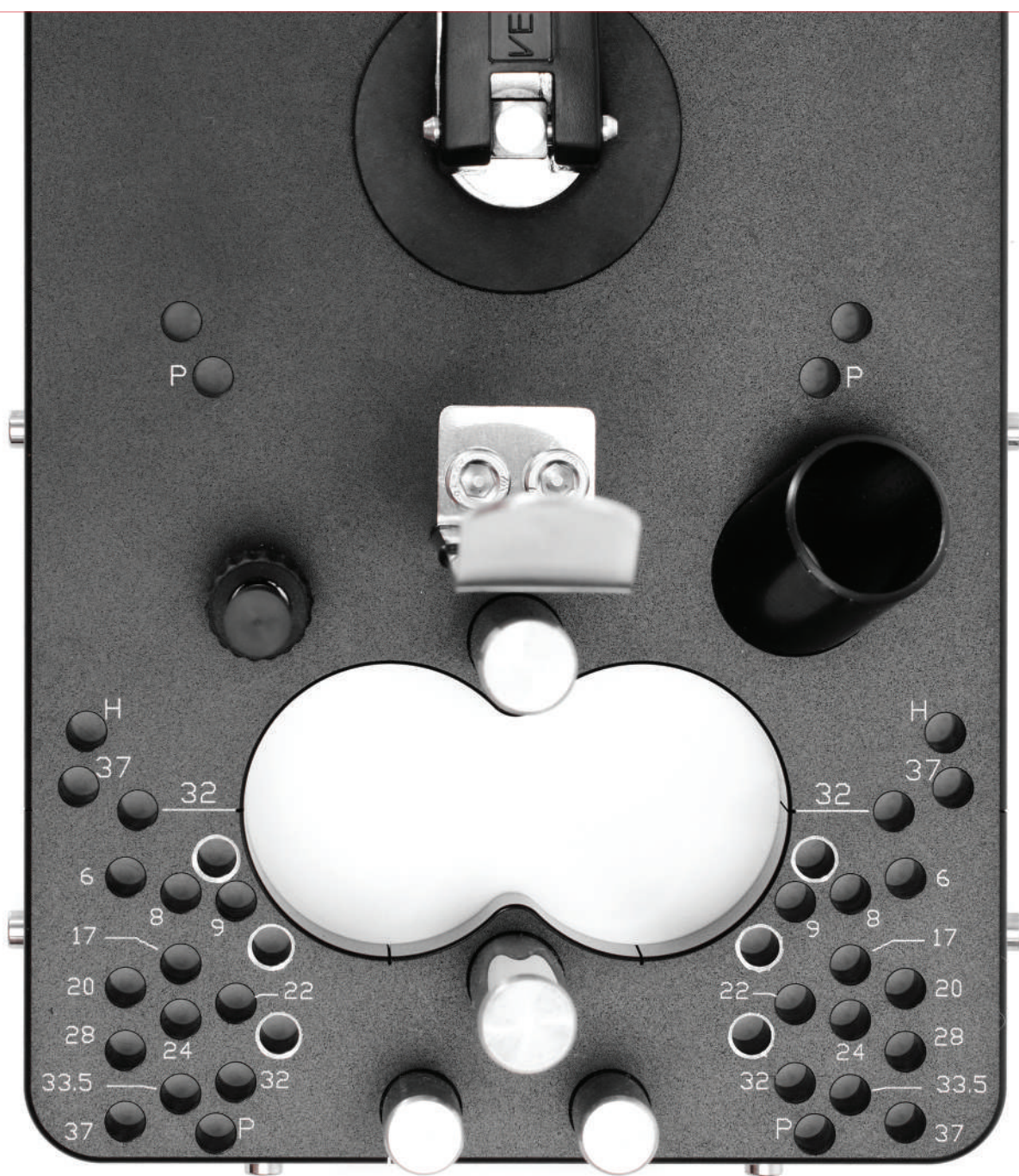
The device is designed in an intuitive way, enabling quick and precise changes in drilling position. The strong suction cup ensures stability during work, and the special rails provide a solid drive assembly. The positioner allows for working with panels of different thicknesses.



**Max. drilling
diameter:**

35 mm





The RC System Positioner features a series of pre-defined holes that allow drilling for all furniture fittings and connectors. Using special pins included with the device, **each of the dimensions can be further increased by 0.5, 1, or 2 mm.**

RC SYSTEM POSITIONER

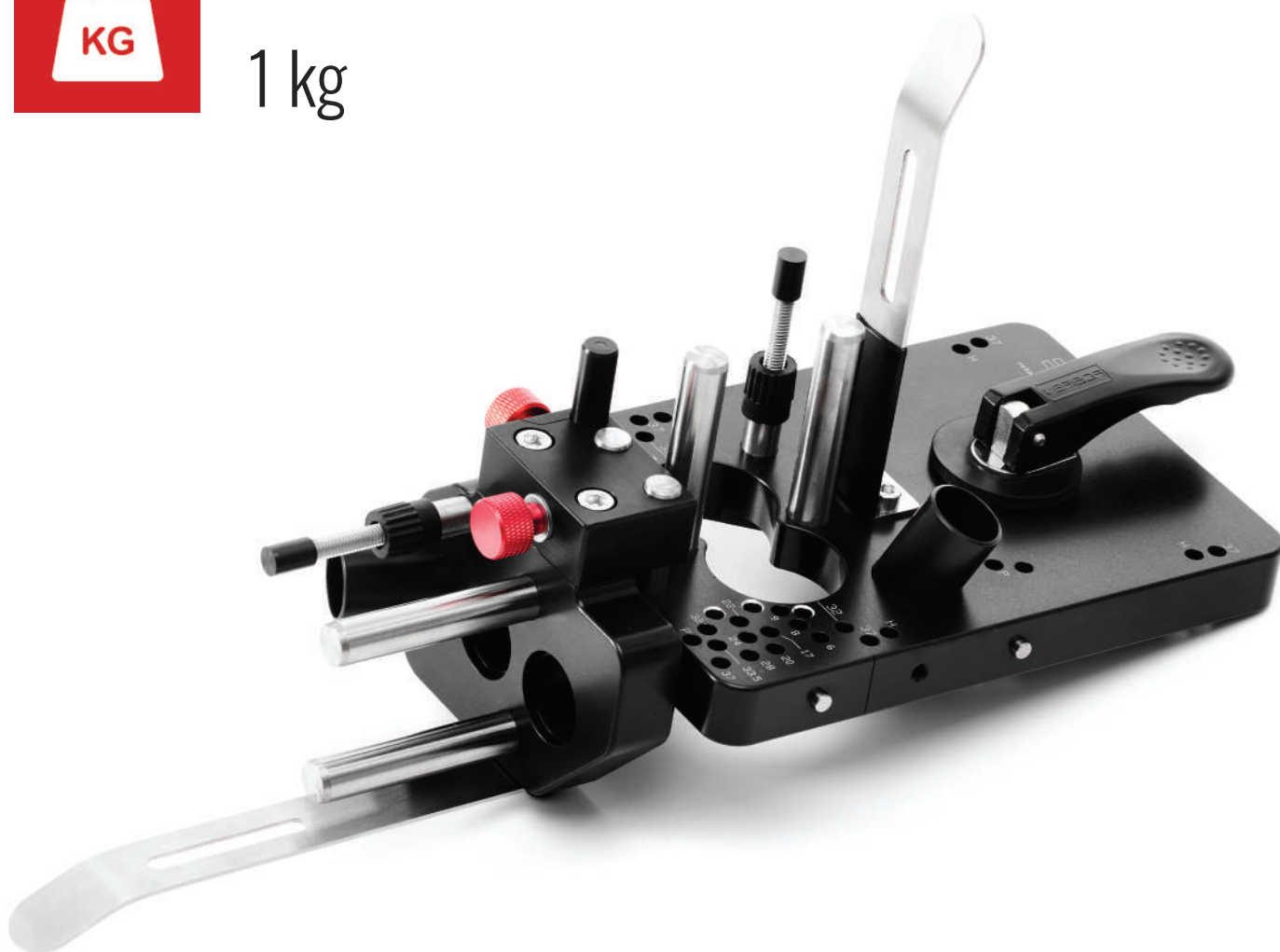
Accurate drilling not only in the plane of the furniture board.

An important component of the Positioner is the attachment for drilling in the board edges. This part, mounted on the guides located in the main plate of the Positioner, has a depth stop and a chip extraction nozzle. The drilling height in the furniture board is adjustable using special metric element.



**Total weight
of the device:**

1 kg





Thanks to the use of high-quality materials, the device, despite its small dimensions, is **stable and durable**. It will be successful not only for workshop use but also, for example, during customer installations.

RC SYSTEM POSITIONER

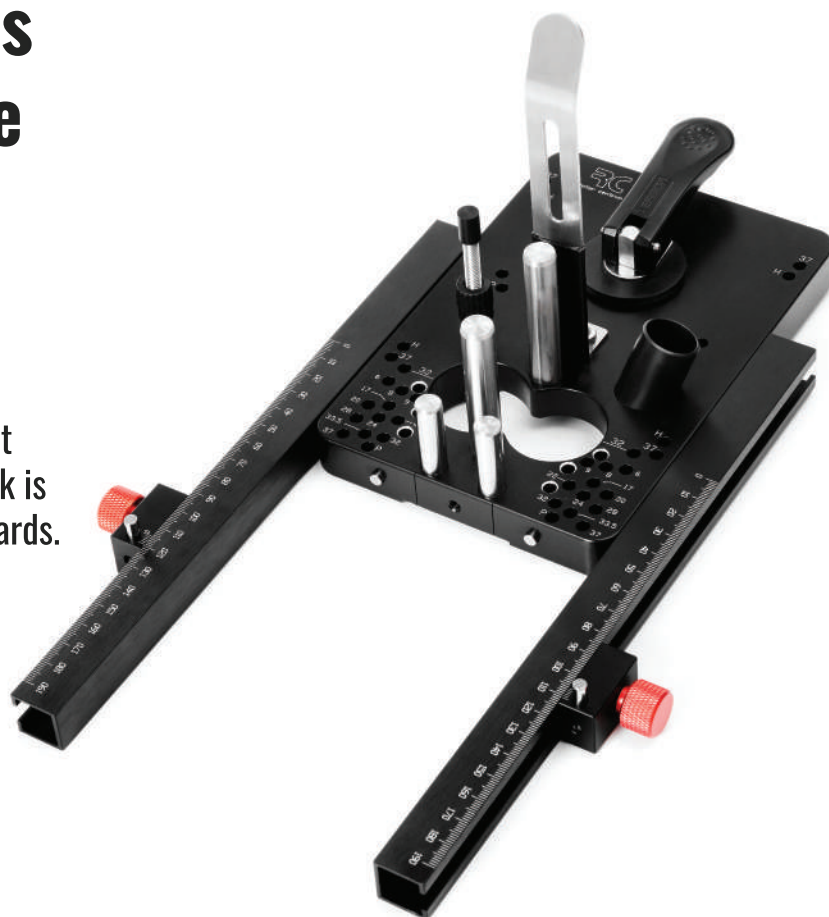
Accurate positioning across the entire surface of the furniture board.

Bumper strips are additional equipment for the RC System Positioner. Their task is to facilitate work on large furniture boards. The strips have full adjustment of the bumpers along the entire length with an accuracy of up to 0.1 mm.



Positioning accuracy:

0,1 mm



STRIP TYPE

WORKING LENGTH

NUMBER OF BUMPERS

ACCURACY

Short strip

190 mm

1

0,1 mm

Long strip

1000 mm

4

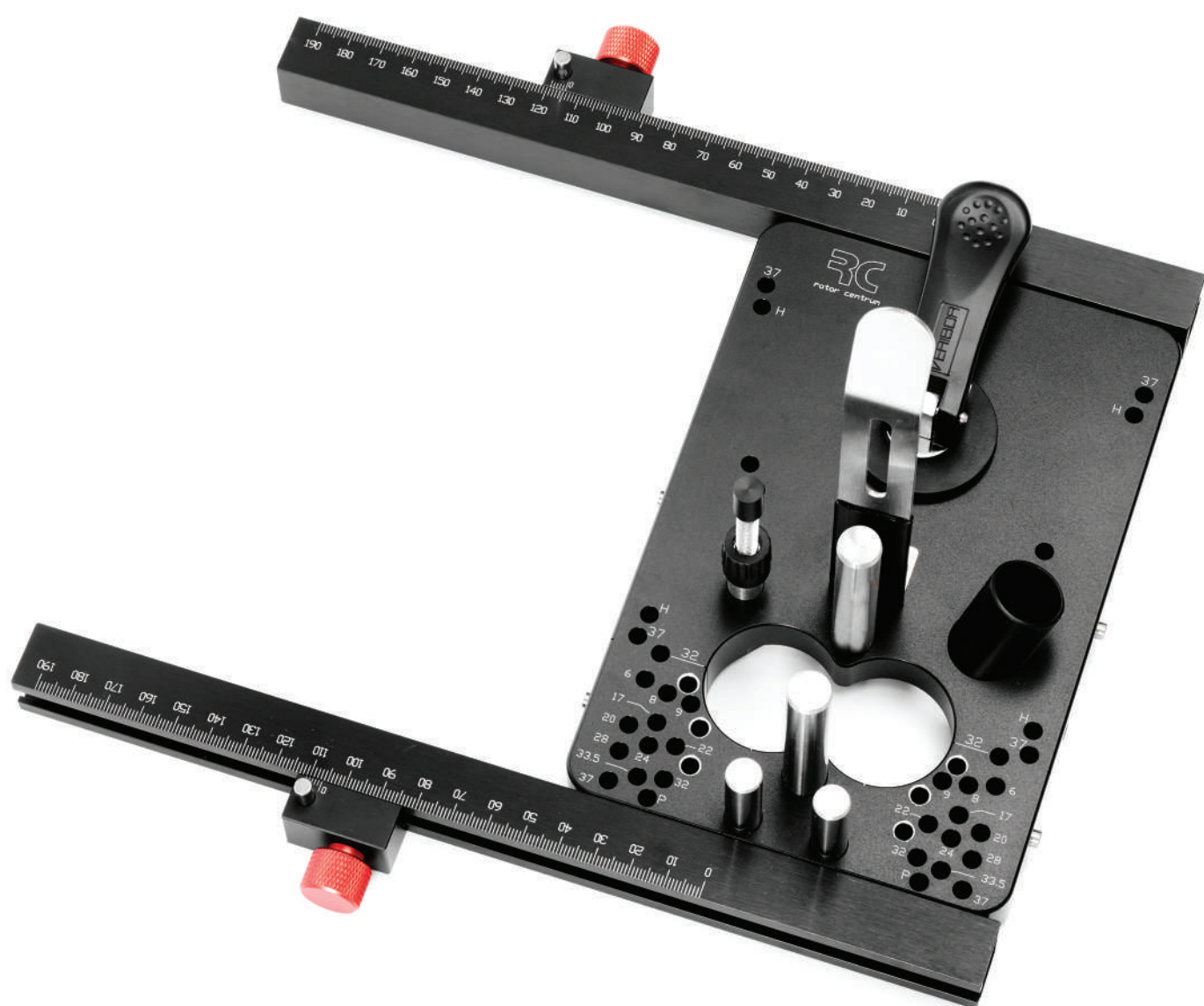
0,1 mm

Side strip

410 mm

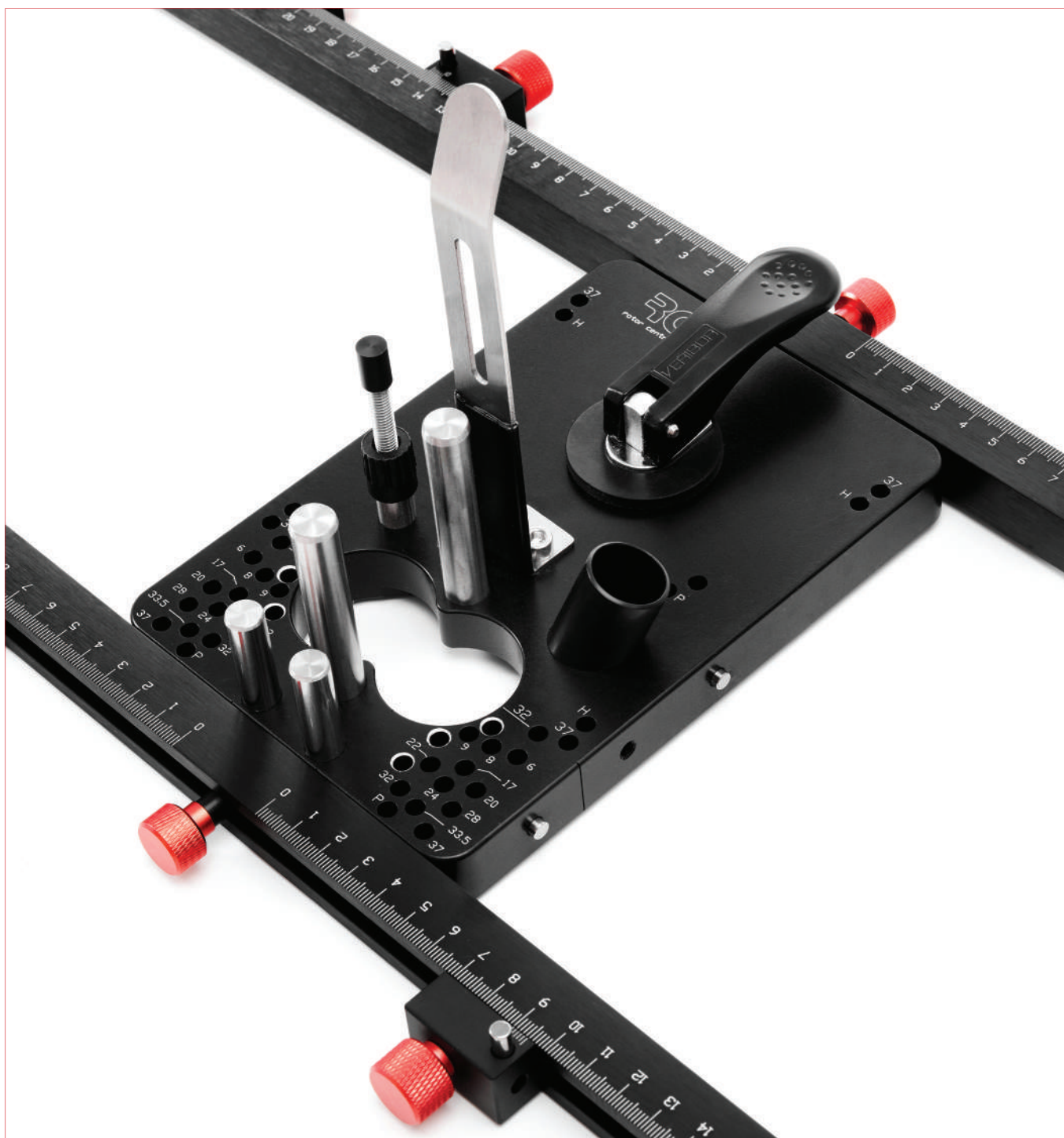
1

0,1 mm



All strips have special attachments that allow them to be attached to the RC System Positioner both horizontally and vertically. Point O is aligned with the axis of the drills.

RC SYSTEM POSITIONER



Thanks to the use of high-quality materials, the strips are **lightweight** and **compact**, yet still **stable** and **durable**. Practical nuts ensure quick installation to the device and express adjustment of dimensions.

Positioning holes in the Positioner.

Example applications:

6	Center of furniture board 12 mm	28	Front panel attachments
6,5	Flippers	32	System 32
8	PK2	34	Eccentric connectors
9	Center of furniture board 18 mm	37	System 32 (first hole from the edge)
9,5	Sides of the body	P	Straight guides
17	Blum eccentric connectors	H	37 mm from the HDF groove
20	Target J10	CHAMFER HOLES	Lamello Cabineo
22	Hinge cups fi 35 mm	OTHER	Technological (used in production)
24	Eccentric connectors		

The dimensions presented above can be achieved by placing neutral or spacing pins in individual holes.

RC SYSTEM DRILLING MACHINE

Two spindles are better than one, providing a robust drive system.

The drive system of the entire RC System, including the RC System Drilling Table and the RC System Positioner, is a dual-spindle RC System drill. The device operates on guides that allow drilling in two positions, regulated every 180 degrees.



**Power
of the device:**

800W



**Machine
drill chuck:**

10 mm



**Power supply
type:**

230V 50Hz



**Spindle
spacing:**

32 mm



**Number
of gears:**

6



**Device
weight:**

2,2 kg



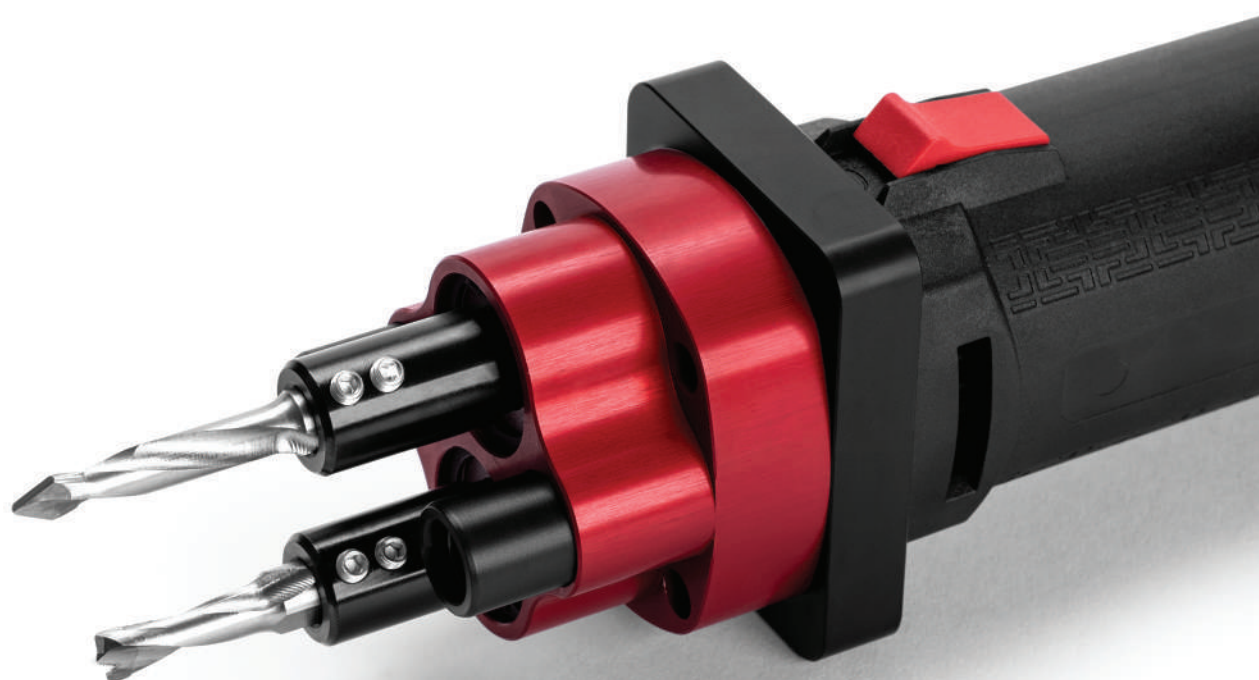
**Rotation speed
range:**

1100-4300



**Cable
length:**

2,2-3,5 m



The RC System Drilling Machine features a **Soft Start System with electronic speed stabilization**, allowing drilling not only in furniture boards but also in wood, steel, aluminum, and plastics.

KIT IN A SUITCASE

Everything you need for drilling furniture boards at your fingertips.

RC System dual-spindle drilling machine, RC System Positioner, drill bits, and a range of accessories - all in a handy suitcase that can be taken anywhere. The kit in a suitcase is one of the most popular items in our offer and an ideal proposition to start your adventure with RC System technology.

KIT CONTENTS

RC System dual-spindle Drilling Machine

RC System Positioner

Set of pins

CMT drill bit set (3x10x70, 2 szt. 5x10x57,5, 8x10x57,5, 8x10x70, 15x10x57, 35x10x57,5)

User manual + USB drive with instructional materials

Accessories (including screwdriver, grease, brush set)

Suitcase



The kit in a suitcase includes, among other things,
7 drills from the renowned brand **CMT**.

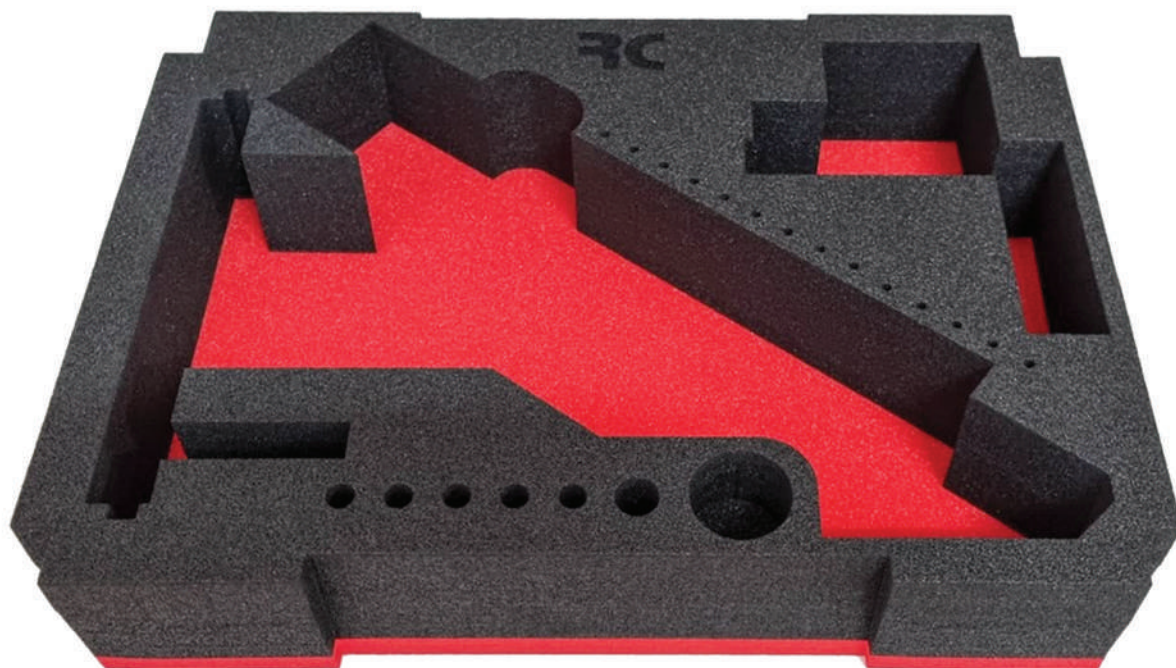
CMT **ORANGE**
TOOLS®

DRILL BITS AND ACCESSORIES

Through-hole, blind-hole, and cup drill bits, as well as additional accessories.

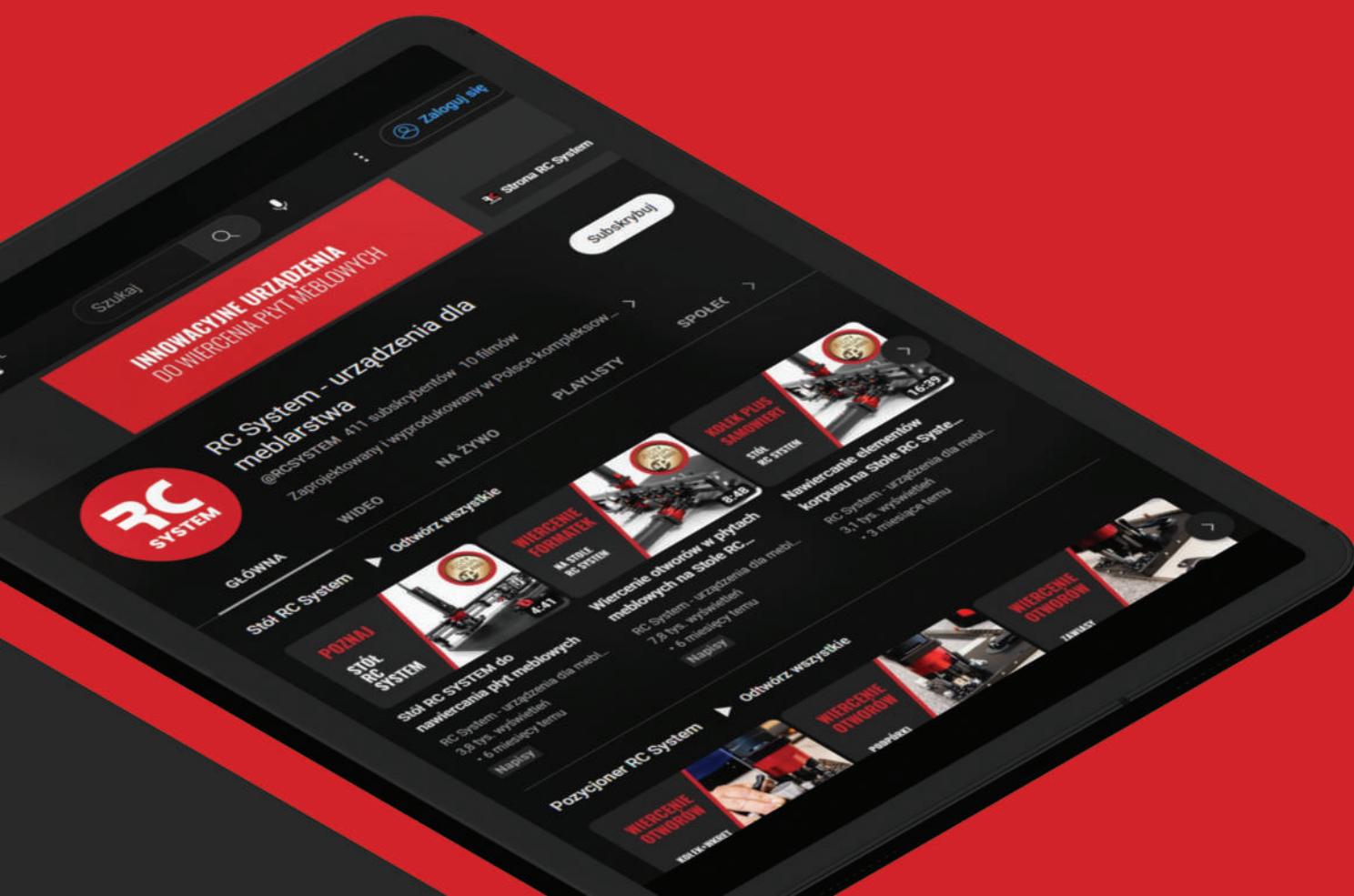
Drill bits essential for working with furniture boards, spare pins, and a practical insert for system cases are just some of the items you will find in the RC System offer.

DRILL BITS			ACCESSORIES
RC SYSTEM		CMT	
3x10x57 NP	35x10x57 NP	4,9x10x57,5 NP	Insert for system cases
4x10x57 NP	8x10x70 NP	5x10x57,5 NP	Template for marking hinge positions
5x10x57 NP	10x10x70 NP	8x10x57,5 NP	Chip extraction hose
6x10x57 NP	12x10x70 NP	10x10x57,5 NP	Positioner pin 25 mm
8x10x57 NP	3x10x70 P	15x10x57,5 NP	Positioner pin 30 mm
10x10x57 NP	4x10x70 P	35x10x57,5 NP	Positioner pin 45 mm
15x10x57 NP	5x10x70 P	3x10x70 P	Set of additional pins +0.5 mm
18x10x57 NP	7x10x70 P	8x10x70 P	Set of additional pins +1 mm
20x10x57 NP	8x10x70 P		Locking nut for the strip
25x10x57 NP	10x10x70 P		



RC System and CMT drill bits are available individually and as part of dedicated sets for use with the RC System Positioner and/or RC System Drilling Table.

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We reserve the right to make changes and errors. All photos are for illustrative purposes only. Current prices of the presented devices are available from the manufacturer and/or distributor. The catalog is valid from May 2023.

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