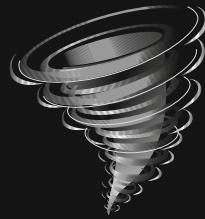
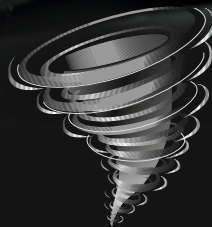


2023 / 2024



**Tornador**<sup>®</sup>

# PRODUCT-CATALOGUE



**Rotador**<sup>®</sup>

always fi**R**St



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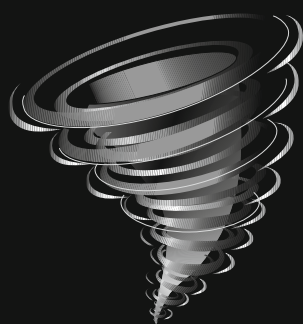
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**Tornador<sup>®</sup>**

**CLEANING SYSTEMS**



**Tornador®**

**Z-020RS**



With the Tornador® BLACK Z-020RS and the newly developed spring-pulse technology for uncompromising cleaning, dirt will be eliminated at its root.

Starting at only 4,5 bar the new Tornador® tool can provide a deep and intense cleaning result. The Tornador® Black-Z-020RS can even be used with mobile 2,2 – 230V piston compressors as soon as it provides 270l/min.

This means, that the Tornador® Black Z-020RS is destined also for mobile cleaning.



## Tornador® BLACK Z-020RS Pulse Cleaning Gun

Art.-No.: 602 420

- ✓ stronger impact - more power - cleaner results
- ✓ includes built-in air regulator
- ✓ includes built-in swivel air inlet
- ✓ suitable for Rotador® adaptor
- ✓ ergonomic, temperature isolated, low vibration
- ✓ suitable for 2,2kW – 230V piston compressors
- ✓ developed for continuous professional use

More torque, resounding impact, non compromise cleaning: Tornador® BLACK Z-020RS. With proven ergonomics, excellent haptics, freeze protection and low vibration handles. The rotate set contains sealed stainless-steel bearings and a pulse increasing spring. For this reason the Tornador® Black Z-020RS can even work with only 4,5 bar. The built-in air regulator and the swivel air inlet increase the flexibility and the user-friendliness.

The professional cleaning gun for cars, trucks, busses and taxis, can also be used for industrial use, cleaning of buildings aviation and shipping.

SPOT-LIGHT as optional accessories



with Adaptor (optional)



## Details and applications



with Adaptor (optional)



**Tornador®**

**Z-010RS**



The Tornador® Classic Z-010RS is an air-powered suction cup spray gun that atomizes both air and cleaning liquid extremely finely and swirls them in rotation under high pressure. In the outlet cone is a thin air-hose, which rotates in a spiraling motion during operation. Similar to a geothermal tornado, a kind of rotary cutter is created, which loosens dirt particles from the surface with great force. Ideal for "2-minute clean-up" during customer service: Door storage compartment, dashboard and shift boot: Your customer will be amazed!



## Tornador® CLASSIC Z-010RS Pulse Cleaning Gun

Art.-No.: 602 410

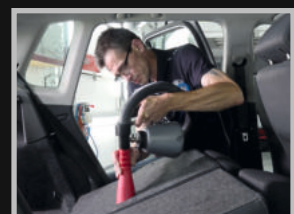
- ✓ with especially fine micro-atomization
- ✓ includes built-in air regulator
- ✓ includes built-in swivel air inlet
- ✓ suitable for Rotador® adaptor
- ✓ with proven Tornador® tube technology
- ✓ ergonomic, temperature isolated, low vibration
- ✓ 210l/min: 2,2kW – 230V piston compressors

The Tornador CLASSIC is also equipped with a air regulator embedded in the handle and an swivel air inlet to increase flexibility and ease of use. Suitable for cleaning door sills and trim, car upholstery, headliners, air vents and all hard-to-reach areas. Whether door storage compartments, dashboards or gearshift gaiters: With the new Tornador® CLASSIC Z-010RS, you can clean all problem areas in the passenger compartment in the shortest possible time. Thanks to micro-atomization, cleaning agent consumption and thus costs are extremely low.

SPOT-LIGHT as optional accessories

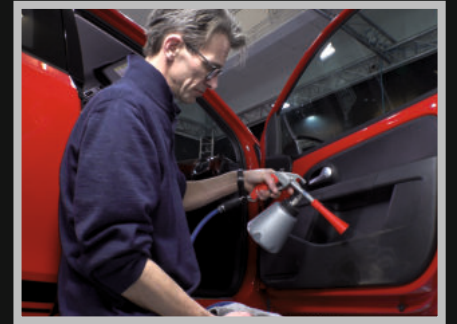


with Adaptor (optional)





## Details and applications



with Adaptor (optional)



**Tornador®**

**Z-011RS**



The newly developed diffuser technology of the Tornador® FOAM Z-011RS supports the user wherever large areas need to be freed from stubborn dirt. With the replaceable diffusers, you can effortlessly foam entire cars, trucks and vans in no time at all. The integrated air regulator and swivel air inlet increase ease of use and flexibility. The foam of the Tornador® FOAM Z-011RS is extremely dry and stiff, with a very long soak and reaction time. This intensifies the cleaning process and ensures excellent results.



## Tornador® FOAM Z-011RS Pulse Foam Gun

Art.-No.: 602 411

- ✓ for pre-cleaning of small and large surfaces
- ✓ includes built-in air regulator
- ✓ includes built-in swivel air inlet
- ✓ ergonomic, temperature insulated, low-vibration
- ✓ with two exchangeable diffusers
- ✓ for dry and stiff foam

The first foam gun that transforms cleaning liquids into a solid and long-lasting foam and thus decisively extends the reaction time of the cleaner. This makes the Tornador® FOAM Z-011RS ideal for all intensive pre-cleaning jobs, but also for carpet, velour and upholstery cleaning. Includes two interchangeable diffusers to lather large areas in a short time. Ideal for cleaning very dirty vertical surfaces (truck tarpaulins, room walls) which require longer exposure time to the cleaner.



## Details and applications





**Tornador®**

**Z-014RS**



Wherever the cleaning cup makes access in tight areas difficult, the Tornador® BASIC Z-014RS has proved particularly effective: under the seats, engine compartment, radiator grills, grip panels, tank filler necks or electronic components, the Tornador® BASIC -Z-014RS cleans or dries quickly and thoroughly. The integrated air regulator and the swivel air inlet make work easier and increase flexibility.

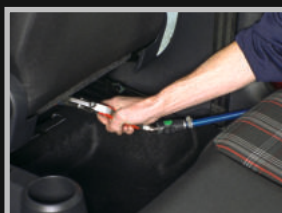


## **Tornador® BASIC Z-014RS** **Impuls Dry-Cleaning Gun**

Art.-No.: 602 414

- ✓ **without cleaning cup: for hard-to-reach places**
- ✓ **for dry cleaning only**
- ✓ **includes built-in air regulator**
- ✓ **includes built-in swivel air inlet**
- ✓ **suitable for Rotador® adaptor**
- ✓ **with proven Tornador® tube technology**
- ✓ **ergonomic, temperature isolated, low vibration**

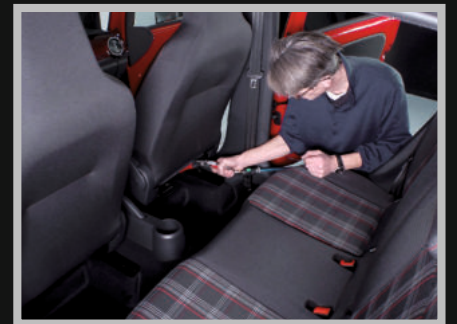
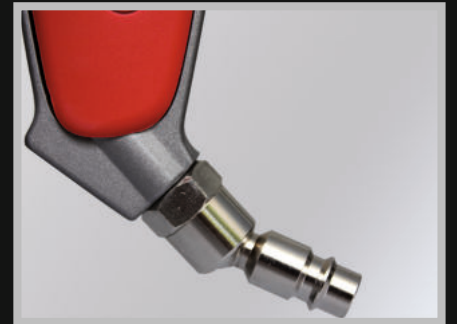
The Tornador® BASIC Z-014RS is designed for quick and easy cleaning of particularly hard-to-reach places (e.g. air vents, seat rails, door storage compartments, dashboards) or for thorough dry cleaning of electronic components. It impresses with its high air volume flow and the very intensive impulse effect. Thanks to the unique tornado effect, even the most stubborn dirt can be removed quickly and reliably, just like with a dirt grinder. Ideal for restructuring velour surfaces, removing dog and cat hair, or thoroughly cleaning repair and spare parts. Also excellent for DIY use in car and truck wash parks.



with Adaptor (optional)



## Details and Applications



with Adaptor (optional)



**Tornador®**

Z-007



## Tornador® MINI Z-007 Pulse Cleaning Tool

Art.-Nr.: 602 407

- ✓ **small, compact and powerful**
- ✓ **suitable for pants pockets: ready for use immediately**
- ✓ **with proven Tornador® tube technology**
- ✓ **pulse cleaning with high volume air flow**
- ✓ **ergonomic, temperature isolate with low vibration**

Due to the compact handy design, the Tornador® Mini Z-007 quickly attached and ready for use.

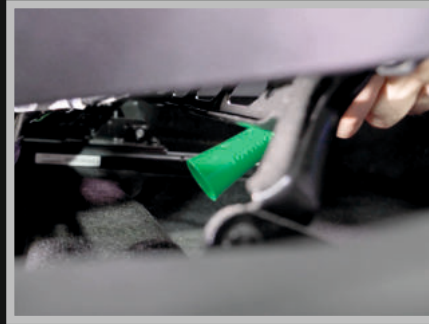
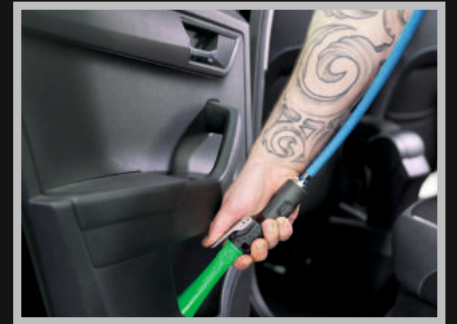
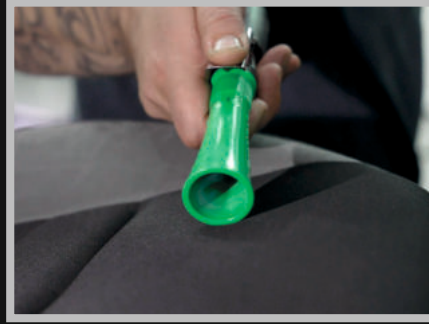
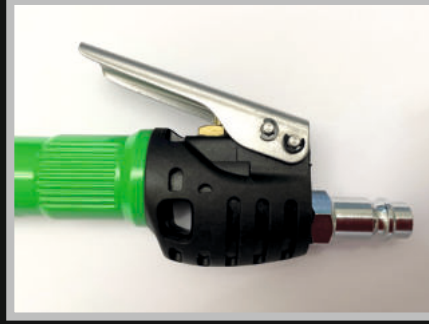
The with high volume air flow underlines the pulse cleaning technologic and therefore the excellent cleaning results.

Ideally suited for hard to reach areas, electrical components, and for cleaning of wear- and spare parts.

Tornador® MINI Z-007 – The no. 1 cleaning gun is now also available as MINI cleaning tool.: small, compact and with a lot of power. Especially in hard to reach areas the size and the handling of the MINI-Tornador® are one of a kind. The Tornador® hose technology, used and proven for more than 2 decades ensures excellent cleaning results also in the newest tool: MINI-Tornador. An ideal tool with working pants pocket format is the ideal supplement for all preparatory work in all detailing processes.



## Details und Anwendungen





**Tornador®**

**STEAM**



The mobile Tornador® STEAM can be operated with the steam nozzle or the triangular brush: Spray steam with high pressure on the dirt and loosen the dirt from the pores of the surface and wipe it away with a cloth. The accessory kit includes: Steam hose, handle, spot spray nozzle, triangular brush.

Ideal for interior and engine compartment cleaning, heavily soiled rims or for car body and paint cleaning.



## **Tornador® STEAM Steam Cleaning Tool**

Art.-No.: 601 770

- ✓ **cleaning without synthetic cleaner**
- ✓ **kills germs and bacteria**
- ✓ **fast evaporation and drying**

Boiler: max. 170° Cel. / 7bar steam pressure

Boiler / Refill tank: 1,5l / 2,2l

High pressure hot water function

Continuously steam pressure regulation

220V-240V / 50-60Hz / 3.250W

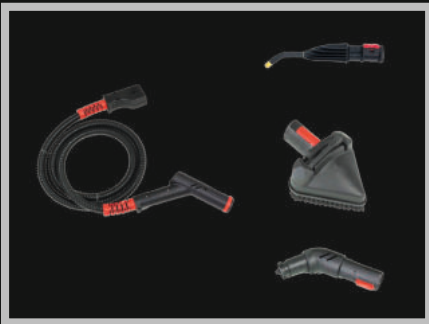
11kg / 490mm x 280mm x 320mm

Powerful steam cleaner including hot water function. Highly heated steam (from 140° Cel. up) is excellent for dissolving contaminants and sustainably eliminating germs and bacteria. Hot steam evaporates quickly, carries little moisture into the object and minimizes drying and return times to the customer.





## Application Views



standard accessory



digital display



steam jet



rim cleaning



engine cleaning



carpet cleaning



with triangular brush



hot water function



with hot water



**Tornador®**

PH-15



The variable speed control allows the right ratio between speed, sponge, polish and paint to be selected at any time. Even inexperienced users achieve a brilliant finish. The 15mm orbital stroke guarantees fast and good removal, thus excellent polishing results and extremely time-saving work: The Tornador® PH-15 is ideal for the 1-stage polishing system: 1 machine, 1 polishing pad, 1 polish and 1 sealant. The user saves time, compound, costs and gains higher profits.



## Tornador® PH-15 Electric Dual-Action Polisher

Art.-No.: 601 592

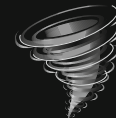
- ✓ **15mm orbital diameter**
- ✓ **incl. 10m electric cable**
- ✓ **variable speed-control**

Orbital diameter	15mm
Power consumpt.	900W/h, 240 Volt
Rpm	1700 – 4800
Speed regulation	variable speed control
Electric cable	10m
Velcro pad	125mm
Weight	2,6kg

The Tornador® PH-15 is the ideal polisher for all curved surfaces, edges and corners.

At 2.6kg, it is optimally balanced and controlled to handle. Reduced vibrations leads to a very smooth handling and makes the machine choice no. 1 for continuous professional use. The 900 watt motor ensures a powerful removal without holograms and swirls, the 10m electric cable guarantees a very wide action radius. Ideal for all cars and oldtimers.





**Tornador®**



PH-21



## Tornador® PH-21 Electric Dual-Action Polisher

Art.-No.: 601 591

- ✓ **21mm orbital diameter**
- ✓ **incl. 10m electric cable**
- ✓ **variable speed-control**

Orbital diameter	21mm
Power consumpt.	900W/h, 240 Volt
Rpm	1700 – 4200
Speed regulation	variable speed control
Electric cable	10m
Velcro pad	150mm
Weight	2,6kg

Powerful electric orbital polisher with 21mm orbital stroke. The entire machine features an ideal center of gravity that allows easy one-handed operation. The high-torque electric motor guarantees effortless removal without holograms and swirls, and the 10m electric cable ensures a very large operating radius. This polisher is used especially for large surfaces (hoods, roofs, etc.) and is therefore very suitable for vans, trucks, boats and yachts.

The variable speed control allows the right ratio between speed, sponge, polish and varnish to be selected at any time. Holograms and swirls are avoided by the 21mm eccentric stroke, therefore even inexperienced users get a brilliant finish. The 21mm eccentric stroke guarantees a fast and good removal, thus excellent polishing results and extremely time-saving work: in just one work step with the specially developed Tornador sponge TS-21 and a polishing compound in the shortest time to brilliant physical shine.





**Tornador®**

## CRYSTAL CLEAR

The Tornador® towel series, specially developed for the automotive sector and consisting of Tornador® CRYSTAL CLEAR, Tornador® CABIN, Tornador® BUFF, Tornador® MICRO, Tornador® MICRO PRO, Tornador® DOUBLE and Tornador® MICRO GIANT, is made of the highest quality microfiber, some of which are coated. Based on customer requests and suggestions, our manufacturers have been able to develop new types of towels that achieve better results than comparable microfiber products.



### Tornador® CRYSTAL CLEAR Glass cleaning cloth

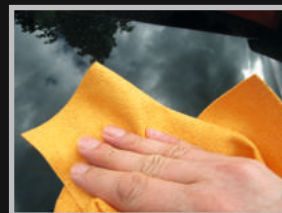
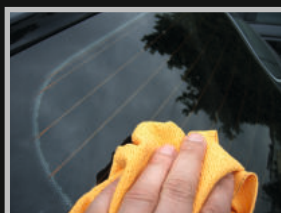
Art.-No.: 877 895

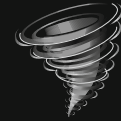
- ✓ mega absorbent due to special coating
- ✓ for all automotive glass panels and mirrors
- ✓ for crystal clear results
- ✓ washable up to 30° C.

Coated special cloth for gentle and thorough cleaning of all automotive glazing and mirrors.

The newly developed "Tornador® CRYSTAL CLEAR" professional cloth was specially developed for the gentle cleaning of all automotive glazing and mirrors. The new coating ensures extreme liquid absorption.

Size: 50 x 40cm





**Tornador®**

**MICRO GIANT**



## Tornador® MICRO GIANT Polishing and detailing cloth

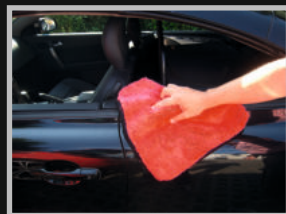
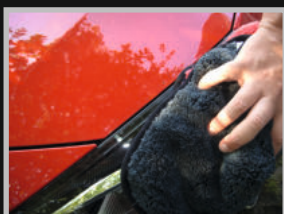
Art.-No.: 877 891

- ✓ **1200GSM - sewn from 2 cloths**
- ✓ **cleans streak and lint free**
- ✓ **can be used dry and wet**

Extra fluffy polishing cloth made of special long microfibers. Two cloths each made of 600GSM microfiber sewn together to form an ultra-absorbent polishing cloth. Ideally suited for repolishing, rubbing in waxes or also for absorbing excess liquid after the car wash.

Size: 40 x 40cm  
Washable up to 40°C

The Tornador® towel series, specially developed for the automotive sector and consisting of Tornador® CRYSTAL CLEAR, Tornador® CABIN, Tornador® BUFF, Tornador® MICRO, Tornador® MICRO PRO, Tornador® DOUBLE and Tornador® MICRO GIANT, is made of the highest quality microfiber, some of which are coated. Based on customer requests and suggestions, our manufacturers have been able to develop new types of towels that achieve better results than comparable microfiber products.

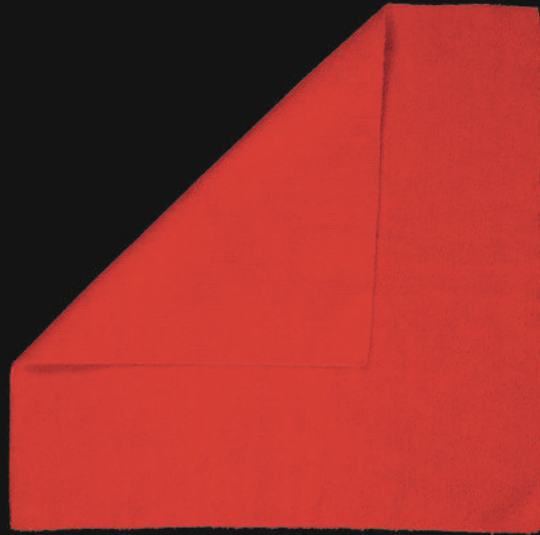




**Tornador®**

## MICRO PRO

The Tornador® towel series, specially developed for the automotive sector and consisting of Tornador® CRYSTAL CLEAR, Tornador® CABIN, Tornador® BUFF, Tornador® MICRO, Tornador® MICRO PRO, Tornador® DOUBLE and Tornador® MICRO GIANT, is made of the highest quality microfiber, some of which are coated. Based on customer requests and suggestions, our manufacturers have been able to develop new types of towels that achieve better results than comparable microfiber products.



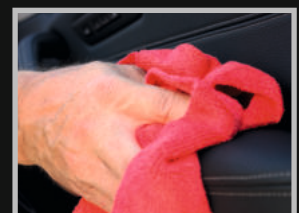
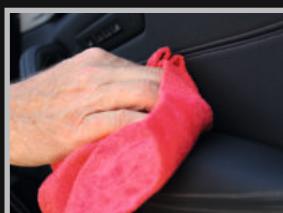
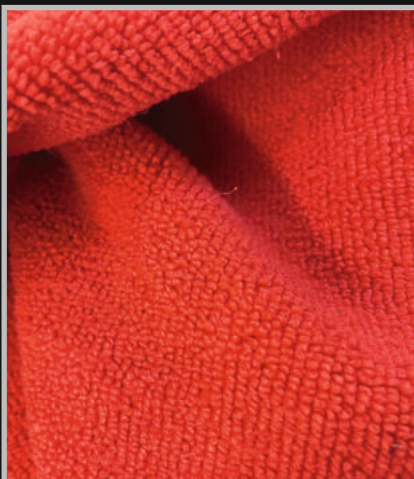
### Tornador® MICRO PRO Pro-Microfiber cloth

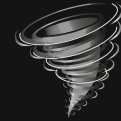
Art.-No.: 877 892

- ✓ **lasercutted special microfiber**
- ✓ **edgeless / seamless**
- ✓ **without washsticker and logoprinting**

The Tornador red, laser-cut professional microfiber cloth Tornador® MICRO PRO was developed for professional car detailers. It comes without seams, edges, washsticker and logo imprint to avoid even the smallest scratches. Made of high quality microfiber.

Size: 40 x 40cm  
Washable up to 40°C





**Tornador®**

**MICRO**



## **Tornador® MICRO** **Universal microfiber cloth**

Art.-No.: 877 893

- ✓ **no chemical cleaners required**
- ✓ **high quality microfiber 350 GSM**
- ✓ **washable up to 60°C**

Ideal for paint preparation, degreasing, dust removal and polishing. Tiny microfibers pick up any dirt. No cleaning additives required.

Size: 40 x 40cm

The Tornador® towel series, specially developed for the automotive sector and consisting of Tornador® CRYSTAL CLEAR, Tornador® CABIN, Tornador® BUFF, Tornador® MICRO, Tornador® MICRO PRO, Tornador® DOUBLE and Tornador® MICRO GIANT, is made of the highest quality microfiber, some of which are coated. Based on customer requests and suggestions, our manufacturers have been able to develop new types of towels that achieve better results than comparable microfiber products.





**Tornador®**

**DOUBLE**

The Tornador® towel series, specially developed for the automotive sector and consisting of Tornador® CRYSTAL CLEAR, Tornador® CABIN, Tornador® BUFF, Tornador® MICRO, Tornador® MICRO PRO, Tornador® DOUBLE and Tornador® MICRO GIANT, is made of the highest quality microfiber, some of which are coated. Based on customer requests and suggestions, our manufacturers have been able to develop new types of towels that achieve better results than comparable microfiber products.



## **Tornador® DOUBLE** **Mirror finish cloth**

Art.-No.: 877 894

- ✓ **one side long pile, one side short pile**
- ✓ **highest quality microfibre 430 GSM**
- ✓ **washable up to 40°C**

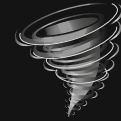
Professional microfiber cloths with two different woven cloth structures. The soft side (short fibers), is ideal for residual absorption of polish residues. The super-soft side (long fibers) is used to polish the car paint to a high gloss.

1 set contains 2 pieces!

Size: 40 x 40cm







**Tornador®**

**DOUBLE PRO**



## **Tornador® DOUBLE PRO Mirrorfinish Cloths**

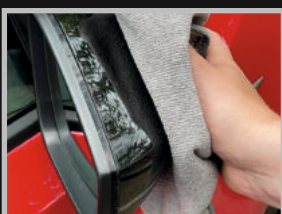
Art.-Nr.: 877 894

- ✓ **one side long pile, other side short pile**
- ✓ **highest quality micro fibre 430 GSM**
- ✓ **washable up to 40°C**

The Tornador® cloth series especially developed for the automotive sector, consisting of Tornador® CRYSTAL CLEAR, Tornador® CABIN, Tornador® BUFF, Tornador® MICRO, Tornador® MICRO PRO, Tornador® DOUBLE and Tornador® MICRO GIANT, is made of partly coated microfiber of the highest quality. Based on customer wishes and suggestions our manufacturers have managed to develop new types of cloth that produce better results than comparable microfiber products.

Special micro fibre towel for the professional usage with two different sides. The soft side with short fibres provides the ideal solution for absorption of polishing residues. With the super soft side with longer fibres the coating is polished glossy.

1 set contains 5 pieces!  
Size 40 x 40cm.





**Tornador®**

**CABIN**

The Tornador® towel series, specially developed for the automotive sector and consisting of Tornador® CRYSTAL CLEAR, Tornador® CABIN, Tornador® BUFF, Tornador® MICRO, Tornador® MICRO PRO, Tornador® DOUBLE and Tornador® MICRO GIANT, is made of the highest quality microfiber, some of which are coated. Based on customer requests and suggestions, our manufacturers have been able to develop new types of towels that achieve better results than comparable microfiber products.



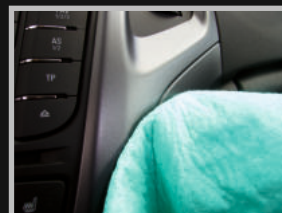
## **Tornador® CABIN** **Interior cleaning cloth**

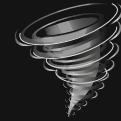
Art.-No.: 877 896

- ✓  **specially developed fiber fleece**
- ✓  **cleans streak- and lint-free**
- ✓  **can be used dry and wet**

Fiber fleece cloth for deep pore cleaning of car interiors. The newly developed "Tornador® CABIN" professional cloth has been specially developed for cleaning all smooth surfaces in motor vehicles: e.g.: Cockpit, dashboard and interior trim. It can be used dry and wet and is therefore also suitable for quick cleaning in between.

Size: 50 x 40cm





**Tornador®**



**BUFF**

## Tornador® BUFF Leather cleaning cloth

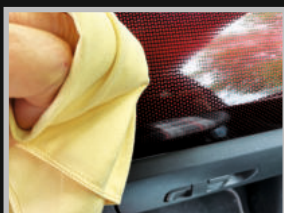
Art.-No.: 877 897

- ✓ for all types of smooth leather
- ✓ for gentle cleaning
- ✓ specially designed care cloth

The newly developed "Tornador® BUFF" professional cloth has been specially developed for the gentle care of automotive leather trim. Depending on the polishing compound used, it can provide a new shine or a modern matte effect.

Size: 50 x 40cm

The Tornador® towel series, specially developed for the automotive sector and consisting of Tornador® CRYSTAL CLEAR, Tornador® CABIN, Tornador® BUFF, Tornador® MICRO, Tornador® MICRO PRO, Tornador® DOUBLE and Tornador® MICRO GIANT, is made of the highest quality microfiber, some of which are coated. Based on customer requests and suggestions, our manufacturers have been able to develop new types of towels that achieve better results than comparable microfiber products.





**Tornador®**

**TOWEL**

Specially designed to absorb large amounts of liquid, the Tornador® Towel dryer towel, is far superior to conventional window leathers. It absorbs up to 50% more water three times faster. With a size of 66 x 43cm, we are specifically targeting professional car detailers. In this profession, time = money and this is saved by wringing out the dry cloth less often. Stripe- and lint-free drying is just as much a matter of course as washing-machine resistance up to 30°C. It has long since become common practice to want to use professional techniques in the private sector as well.



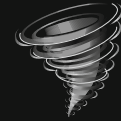
## **Tornador® Towel Dry cloth**

Art.-No.: 877 900

- ✓ extremely high absorbtion
- ✓ 50% higher water absorption
- ✓ triple absorption speed
- ✓ cleans streak- and lint-free
- ✓ resistant to oils and greases

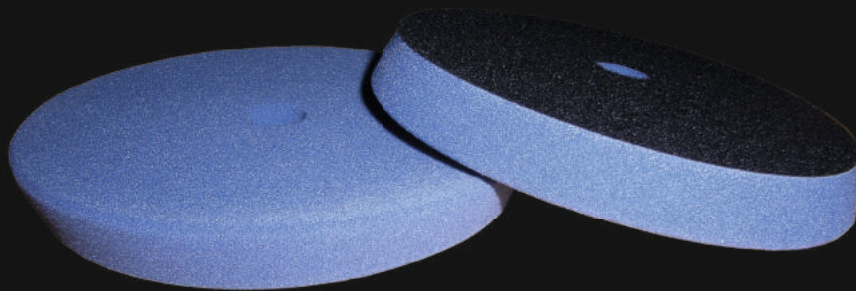
The newly developed Tornador® Towel is super absorbent. It absorbs up to 50% more water three times faster than conventional chamois. Tornador® Towel is machine washable up to 30° C and resistant to most oils, greases and chemicals. Specially designed to gently dry all delicate surfaces. It dries without streaks or lint. The new Tornador® Towel drying cloth is the perfect complement when working with the Tornador® CLASSIC or the Tornador® BLACK. Absorb the liquid right away absolutely residue-free with this towel. Guaranteed shiny results due to streak- and lint-free drying.





**Tornador®**

**TS-21**



## **Tornador® TS-21** **Polishing Sponge for PH-21**

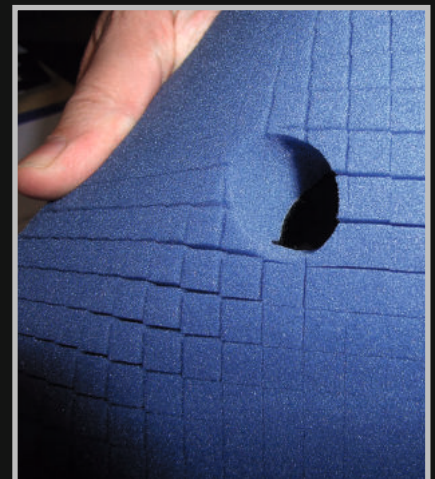
Art.-No.: 601 600

- ✓  **specially adapted to the requirements of the Tornador® PH-21**
- ✓  **very long service life**
- ✓  **the incised honeycomb structure enables an enlargement of the polishing area**

152mm (6"), hook and loop design  
incised honeycomb structure

The specially produced foam of the sponge ensures very high stability, even after prolonged use. This results in a very consistent polishing performance. The incised honeycomb structure allows the polishing surface to be enlarged by fanning out, thus achieving the desired result more quickly. Furthermore, the honeycomb structure reduces the heat development on the surface and ensures a better distribution of the polish on the sponge surface.

The special foam of the Tornador® TS-21 ensures that, for the first time, it is possible to achieve a high level of removal (scratch removal) as well as an enormous gloss with only one sponge. It is also characterized by a long life. The innovative shape ensures good accessibility even to corners and edges, but at the same time also protects the paint surface from coming into contact with the polishing pad.

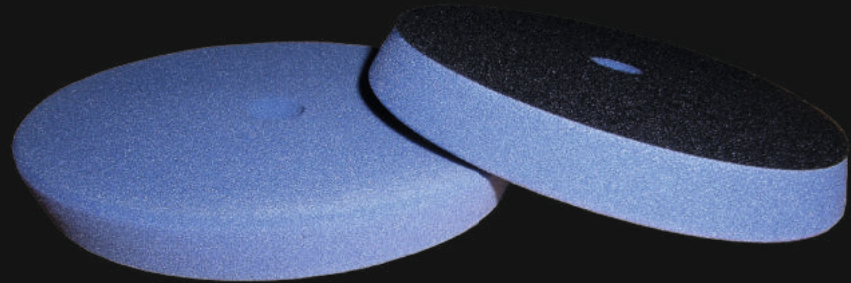




**Tornador®**

**TS-15**

The special foam of the Tornador® TS-15 ensures that, for the first time, it is possible to achieve a high level of removal (scratch removal) as well as an enormous gloss with only one sponge. It is also characterized by a long life. The innovative shape ensures good accessibility even to corners and edges, but at the same time also protects the paint surface from coming into contact with the polishing pad.



## **Tornador® TS-15 Polishing Sponge for PH-15**

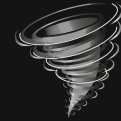
Art.-No.: 601 605

- ✓  **specially adapted to the requirements of the Tornador® PH-15**
- ✓  **very long service life**
- ✓  **the incised honeycomb structure enables an enlargement of the polishing area**

125mm (5"), hook and loop design  
incised honeycomb structure

The specially produced foam of the sponge ensures very high stability, even after prolonged use. This results in a very consistent polishing performance. The incised honeycomb structure allows the polishing surface to be enlarged by fanning out, thus achieving the desired result more quickly. Furthermore, the honeycomb structure reduces the heat development on the surface and ensures a better distribution of the polish on the sponge surface.





**Tornador®**



## Tornador® SPEEDSHINE Cleaning pad

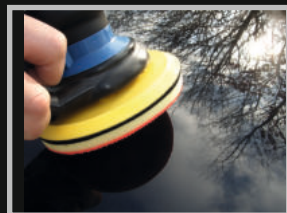
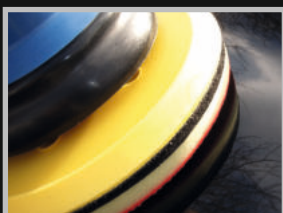
Art.-No.: 877 945

- ✓ **designed for large surfaces**
- ✓ **with polymer technology**
- ✓ **can be used several times**

Diameter: 6", 152mm, velcro

Machine pad with polymer clay.  
Time-saving alternative to clay bar.  
For lightning-fast cleaning of large painted surfaces.

Removes dirt particles from the paint more quickly than paint dough or paint wipes. The machine pad can be reused many times. After use, simply rinse with water and remove the captured dirt.



**SPEEDSHINE**

Tornador® SPEED-SHINE cleaning pad was developed for cleaning and preparing large paint surfaces. The machine pad, which can be reused many times, is coated with advanced polymer paint clay.





**Tornador®**

**RAGSHINE**



## Tornador® RAGSHINE Cleaning clay towel

Art.-No.: 877 946

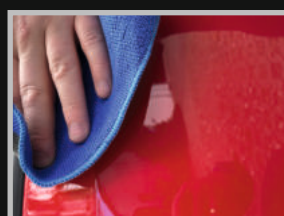
- ✓ can be used many times
- ✓ with polymer technology
- ✓ double benefit

Size: 30 x 30 cm

Microfibre cloth and paint clay combined to form a new type of accessory for car cleaners. Faster and easier to use than conventional paint clay. After kneading, simply turn the cloth over and wipe the treated surface clean with the microfibre cloth side.

Revolutionary alternative to paint clay. After use, simply rinse with water and hang to dry.

It removes dirt particles from the paint more easily and simply than conventional paint clay. Soak the cloth e.g. with ph-neutral car shampoo, fold it four times and wipe it over the moistened car paint. Then simply wipe with the microfibre cloth.







**Tornador®**



## Tornador® EXTD

### Extension kit

Art.-No.: 601 526

- ✓ **Retrofit kit for Tornador® CLASSIC, BLACK**
- ✓ **Additional regulator with for precise adjustment to spray**
- ✓ **Work overhead without dripping possible**

The 2-metre suction hose with separate spray regulator is ideal for complete and elaborate interior and exterior cleaning: no annoying container and refilling of cleaning liquid: the suction hose allows the processing of large cleaning agent containers and working overhead without annoying dripping.

**EXTD**

The Tornador® EXTD extension kit enables the conversion of a Tornador® CLASSIC or Tornador® BLACK to cupless operation. When cleaning large areas, the 1-litre cup of the Tornador® CLASSIC or Tornador® BLACK is often not sufficient. This extension kit now enables you to work with large containers.





**Tornador®**

**BRUSH**

Originally developed as a washing brush, this brush is now also used for dusting and cleaning hard-to-reach areas on and in the car. The unique manufacturing method results in an exceptionally durable product of excellent quality.



## **Tornador® BRUSH / BRUSH soft** **Car cleaning brush**

Art.-No.: 877 910 / 877 911

- ✓ acid resistant bristles
- ✓ ergonomically shaped handle
- ✓ excellent quality

Its acid-resistant bristles make it a very popular rim brush among professional car care companies.

The softer Tornador® BRUSH soft was developed especially for the interior and for painted surfaces. The innovatively shaped brush tip leaves no scratches on painted surfaces or chrome.

Size: 40 x 255 mm

Diameter brush head: 25 mm





**Tornador®**



**SHINE**

## Tornador® SHINE Detailing and care clay

Art.-No.: 877 940 / 877 941

- ✓ the original
- ✓ removes even stubborn deposits, e.g. tree sap
- ✓ perfect paint preparation

Tornador® SHINE dissolves stubborn deposits on all smooth surfaces, e.g. paint, glass, chrome, etc. For the respective degree of contamination, you get the correspondingly designed Tornador® SHINE cleaning and care clay.

### **Tornador® SHINE red** (item number 877940):

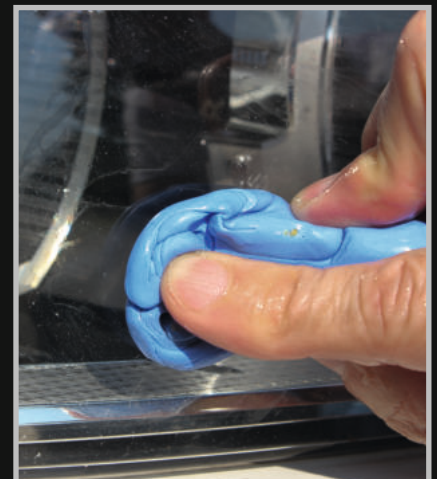
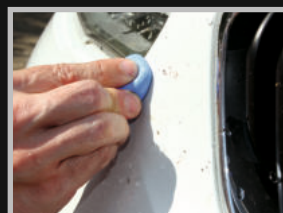
For treating heavily weathered or dirty paintwork and glass surfaces. After treatment with Tornador SHINE red, the paintwork can be polished up with a mild polish. Not recommended for new paintwork.

### **Tornador® SHINE blue** (article number 877941):

The gentle intensive cleaning.

Tornador® SHINE is the perfect preparation for cleaning and maintaining contaminated vehicle paintwork.

Tornador® SHINE is the ideal helper for removing deposits such as flash rust, tar, tree resins, insects or even paint and paint mist residues. Tornador® SHINE helps you to clean the paint surface of your vehicle.





**Tornador®**

**SPOT-LIGHT**



### **Tornador® SPOT-LIGHT**

**LED spot light for Tornador® cleaning guns**

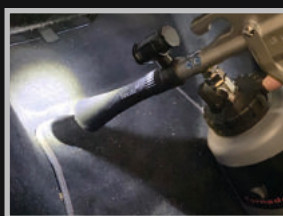
Art.-No.: 604 030

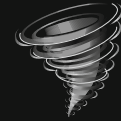
- ✓ clip-on, battery-operated LED lamp
- ✓ for all model series of Tornador® BASIC, CLASSIC, BLACK
- ✓ can be rotated 360° both axially and radially
- ✓ easy to attach clip-on clamp
- ✓ for all round diameters up to 20mm

The Tornador® SPOT-LIGHT is very easy to align, the 3 pieces L1154F - alkaline 1.5V button cells (compatible with standard LR44 button cells) have a long life and can be changed quickly.

Very suitable for illuminating car footwells, centre consoles and seat rails, as well as under the seats or in engine and boot compartments. Tornador® SPOT-LIGHT: detect the hidden dirt in dark areas.

The powerful and spot-centered light enables reliable illumination of dark work areas, such as under seats or angled areas.





**Tornador®**



**CLEAN**

## Tornador® CLEAN Cleaning Concentrate

Art.-No.: 877 921 / 877 925

- ✓ without surfactants and enzymes
- ✓ without bleaching agents and solvents
- ✓ concentrate 1:10
- ✓ suitable for allergy sufferers
- ✓ odourless

Specially developed for use with the original Tornador® CLASSIC and Tornador® BLACK cleaning guns. Cleans powerfully yet gently! Due to its special composition, the cleaner is also ideally suited for allergy sufferers.

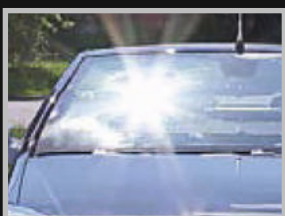
- Only for commercial automotive detailing –

This new type of cleaner concentrate Tornador® CLEAN deliberately avoids all unnecessary additives, such as surfactants, enzymes or solvents, so as not to expose the user to substances that are harmful to health.

877921 = 1 ltr.

877925 = 5 ltr.

No special transport and storage regulations are required for this cleaner in Germany.



## QR-Codes websites, videos, spare parts

[www.tornador.de](http://www.tornador.de) and [www.rotador.de](http://www.rotador.de)



## Our product videos



CLASSIC Z-010RS



BLACK Z-020RS



FOAM Z-011RS



BASIC Z-014RS



MINI Z-007



PH-21/PH-15



STEAM



Spray-VAC

## Our exploded views



CLASSIC Z-010RS



BLACK Z-020RS



FOAM Z-011RS



BASIC Z-014RS



STEAM



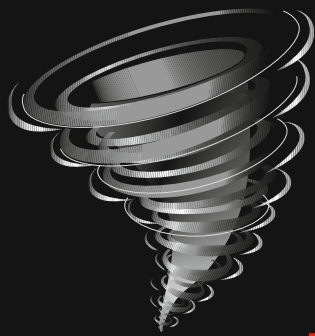
PH-21



PH-15



Spray-VAC



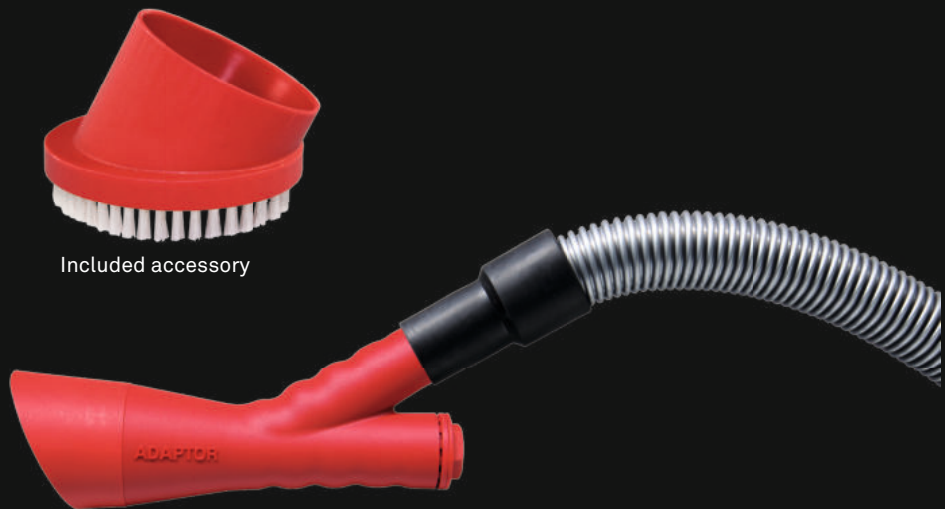
**Rotador<sup>®</sup>**

**VACUUMING SYSTEMS**



**Rotador®**

**ADAPTOR**



## Rotador® ADAPTOR Suction Attachment

Art.-No.: 601 401

- ✓ suitable for Tornador® Black, Classic and Basic
- ✓ simultaneous blowing and vacuuming
- ✓ 270° rotatable
- ✓ Adapter for common wet-dry vacuum cleaners
- ✓ Robust design

The Rotador® ADAPTOR can be mounted on all Tornador® impulse cleaning guns: Z-010, Z-014, Z-020, S-Series and RS-Series.

The Rotador® ADAPTOR is the long-awaited attachment that connects impulse cleaning guns with wet and dry vacuum cleaner. Quick and easy to fit, it combines the penetrating power of the rotary tiller with or without cleaning fluid and the suction power of your vacuum cleaner.

The Rotador® ADAPTOR can be rotated by approx. 270° and easily adapts to different working angles. This facilitates handling even in hard-to-reach working areas and makes the Rotador® ADAPTOR all the more indispensable as a professional tool in vehicle preparation.







**Rotador®**



**BEAST**

## Rotador® BEAST Cleaning attachment

Art.-No.: 601 517

- ✓ **double benefit**
- ✓ **compressed air rotation technology during vacuuming**
- ✓ **thorough and efficient cleaning**
- ✓ **adapter for commercially available industrial vacuum cleaners**
- ✓ **robust design**

With the Rotador® BEAST cleaning attachment, workshops and detailers are for the first time able to connect the proven and tested rotation technology to commercially available industrial vacuum cleaners. With the Rotador® BEAST cleaning attachment, users can use compressed air to loosen dust and dirt from the surfaces to be cleaned and vacuum them at the same time. The individual functions can be controlled separately by simply switching over.

The Rotador® BEAST cleaning attachment works only with compressed air rotation technology and without cleaning fluid. BEAST: double benefit!





**Rotador®**

vaQ

The Rotador® vaQ, pronounced [vækyu:], is supplied ready for connection and can be used as both a wet and dry vacuum cleaner.



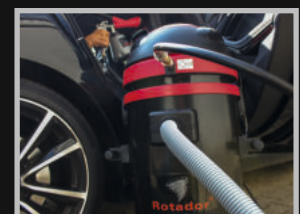
## Rotador® vaQ Industrial vacuum cleaner

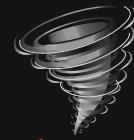
Art.-No.: 601 561

- ✓ **Integrated compressed air connection**
- ✓ **37 litre tank capacity**
- ✓ **1400W Pmax.**
- ✓ **4bar - 15bar min. - max. bar - operating pressure**
- ✓ **2,400 mm water column**

The first industrial hoover worthy of the name Rotador®. Large tank, high suction power and an additional connection option for compressed air devices make the Rotador® vaQ indispensable in the workshop. Perfectly matched to the Rotador®BEAST and Rotador® ADAPTOR cleaning or extraction attachments, fiddling with several hoses belongs now to the past, as the compressed air hose is integrated in the suction hose.

When used with the Rotador® ADAPTOR suction attachment, a Tornador® BLACK, CLASSIC or BASIC is also required.





**Rotador®**



**SPRAY-VAC**

## Rotador® SPRAY-VAC Spray-Extraction cleaner

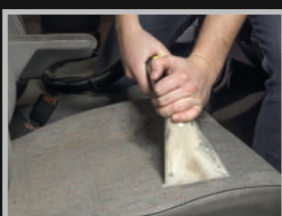
Art.-No.: 601 800

- ✓ 220-240V / 50Hz / 1,100W
- ✓ pump: 50W
- ✓ max. vacuum: 230mbar
- ✓ working pressure: 4bar
- ✓ water containers: 6,5l each
- ✓ suction hose: 2,5m
- ✓ 13kg, 55 x 35 x 63,5cm

Excellently suited for vehicle preparation as well as for thorough upholstery, velour and carpet cleaning. With a spray pressure of 4bar and a suction power of 230mbar, the best cleaning results, low residual moisture and fast and thorough stain removal are achieved. The spray and suction functions can be switched on separately. The cleaner is conveniently sprayed on, switched on or off via a trigger on the handle. The crystal-clear upholstery nozzle offers a clear view of the working area and allows very good control of the cleaning progress. This powerful spray extractor is ideal for car detailing, offices and the home.

A separately integrated de-foamer tank allows the use of defoaming agents and prevents surfactants from foaming over in the dirty water tank.

With 6.5 litres each, both the fresh and the dirty water tanks are well dimensioned. The 7.5 m long mains cable ensures a very large operating radius.





## Bendel Werkzeuge GmbH & Co. KG

The purpose of our company is the distribution of pneumatic tools, accessories and wear articles for industry and the automotive market.

At the same time, we have specialised in the development of tool innovations and their market launch in recent years. Many of our products are protected by national and international trademark rights. To date, we are represented with over 1,500 items of our products in over 56 countries worldwide. Among others: Europe, North America, South America, Middle East, Japan, Australia, Russia, Taiwan.

Our quality thinking is based on the awareness to meet the demands of our customers by highest quality standards and functionality of our products.



1992 Foundation of "Bendel Handelsvertretungen"

1993 Takeover of the "Cartool" agency for compressed air tools.

1994 Extension of the "Cartool" agency to car body and special tools

1995 Acquisition of a commercial property and construction of the office and warehouse building

1996 Relocation to Wilhelm-Schulze Str. 8-10 in 29549 Bad Bevensen, Germany

1997 BENDEL WERKZEUGE, registered businessman

1999 Acquisition of the first proprietary sales licences

2004 Introduction of the Tornador cleaning machines

2007 Acquisition of exclusive licences for EARS® technology

2008 Tornador® trademark application

2010 Introduction of the Tornador® Black Z-020

2015 Bendel Werkzeuge GmbH & Co. KG

2015 Introduction of the Rotador® brand

2016 Introduction of the Tornador® S series

2019 Introduction of the Tornador® RS series



# GENERAL BUSINESS TERMS AND CONDITIONS (AGB), AS OF JANUARY 04, 2016

## Scope

These general business terms and conditions apply to all contracts, deliveries and services between the Bendel Werkzeuge GmbH & Co. KG company (hereinafter referred to as Bendel Werkzeuge), (, (Local District Court Lüneburg, Commercial Registry (HRA 200522) and its customers, and any commercial or self-employed relationship in connection with the customer. Any amendment of and/or additions to the general business terms and conditions must be confirmed specifically with a written statement by the Bendel Werkzeuge company. This also applies to any agreement setting aside the written form requirement.

## Fictitious claims of commercial business or self-employment

Bendel Werkzeuge exclusively supplies to commercial businesses and self-employed persons, and explicitly does not supply to consumers within the meaning of Art. 13 BGB [German Civil Code]. If the commercial use of the purchased goods or the status of a commercial business or self-employment are claimed under false pretences, the customer shall not be entitled to claim his legal status as a consumer.

In such cases, Bendel Werkzeuge explicitly reserves the right to contest such contracts on the grounds of fraudulent misrepresentation.

## Possible consequences of returned goods

In case of a valid return, any payments received are to be credited less any already used portion (e.g. compensation for use). If the value of goods has been diminished in any way, reparation for lost value may be demanded. This is not a valid claim if the decline in value is a result of an examination in a way as could be expected during an in-store evaluation. Generally the compensation for value may be avoided by not commencing to use the goods as an owner would, and to avoid any action that might lessen the value of the goods.

## Offers/Prices/Running Accounts

All offers are subject to change. The prices stated are net-prices (unless stated otherwise) and are calculated with the addition of the mandatory value added tax. Bendel Werkzeuge company reserves the right to limit the amount of their items per delivery to a customary amount. If so desired we can arrange the delivery of the goods via a shipping company of our choice. If no other agreements have been made, the shipping/availability terms are ex warehouse. We will keep an account for our customers. Running account agreements as described in common commercial law apply. Payments will be applied to the oldest open invoice.

## Conditional Sales/Attachment

Bendel Werkzeuge will retain title to all goods delivered until such time of complete payment for all existing claims resulting from the business transaction. The most current outstanding balance is always applicable as long as we carry a running account for you. The conditional sales extend to the finished product resulting from any possible processing of our product. In case of further processing, combination or mixing of our goods with other materials, we gain the title to the thereby resulting new products to the extent/ratio of the value of our goods to the other materials. Return of goods is replaced in that case by the customer's orderly warehousing of the goods at no cost to us. The buyer may sell our conditionally sold goods in regular commercial transactions or use them in manufacturing only as long as payments are up to date or payments have not been seized. If the buyer should sell the goods delivered by us – regardless of condition – he surrenders any thereby developing claim to payment – as the case may be, in the amount of the shared title value on our part – at that time, including any ancillary rights towards his customer. The customer has the right to collect on any claims surrendered to us until such time as to where we object for due reason. Bendel Werkzeuge company reserves the right to demand that the third party payee be informed about our partial rights to title, and furnish the information and documents necessary for collection of inquiry data immediately. Pledging or security transfers for our retained goods are prohibited. If conditional sales goods by Bendel Werkzeuge company should be subject of a seizure we are to be informed immediately and a copy of the bailiff's return statement must be included. The bailiff must be informed immediately about our share in title of the articles to be seized. Any costs resulting from appeals by the third party will be the responsibility of the buyer. We commit to release granted securities upon the request of the customer to our preference, as long as the value of the securities exceeds the claims by more than 25%.

## Delivery times

As a rule we reserve the right to prior sale. Partial deliveries are acceptable, as long as no other terms have been agreed upon beforehand. If there are no written terms of delivery otherwise, the fulfillment of the order will be in the sequence of the purchase order.

## Warranty and Claims

If materials delivered should show obvious material or production errors,

which may include transportation damage, a written claim must be sent to us or the shipping company commissioned by us immediately. Complaints concerning incomplete and/or incorrect deliveries charges or reproves for covered defects have to be received within 8 days of receipt of goods at our facility in writing. Please make sure to note the regulation concerning reproves according to § 377 HGB, paragraph 377, German commercial law. Warranty of 12 months from date of delivery by Bendel Werkzeuge company is guaranteed. It is our choice initially to repair or replace in case of deficiencies in the goods delivered. For evaluation, the goods are to be sent free of charge to us, i.e. no shipping costs to us. In case of a rightful claim, we will resend the goods to you free of charge as well. If the repair should not be successful, or the replacement goods are also deficient, you may return the goods for a complete refund of your purchase cost or keep the goods and discount the purchase price. The terms concerning compensation for use covered under "consequences of returned goods" are also valid in case of return because of quality claims. Consumable parts are not covered by this warranty. The warranty claim is forfeited if tools fail because of improper use or overstrain because of devices (pipes or extensions), or because our user guide instructions were not heeded. The buyer must be able to furnish proof of purchase during the warranty period.

## Compensation for damages

Further claims of any kind, especially claims for damages that did not occur to the delivery item itself, are excluded completely, unless the Bendel Werkzeuge company acted intentionally or grossly negligent or the company declared a special assured condition in a written statement. These special conditions may not be deduced from brochures or illustration in other media, even that of the Bendel Werkzeuge company, but must be explicitly confirmed in writing by us. The warranty for intentional acting of employees/aids and legal representatives is excluded. Printed material and data media of all kinds, our logo, brochures, catalogs, price lists, individual images, descriptions, data media and other media of any kind will always remain the property of the Bendel Werkzeuge company. We also claim, to the full extent of the law, intellectual property rights for their contents. Our logo, offers, brochures, catalogs, price lists, images, descriptions, data media and other media, like depicted for instance in the Internet and e-mail traffic, may not be copied or made available to third parties without our written permission.

## Images, dimensions, weights and technical data

Images, dimensions, weights and technical data are only approximations. We also retain the right to replace the depicted and described products with like kind products in case of delivery delays by the manufacturer or other discrepancies. We reserve the right to change without notice all technical data for the purpose of product maintenance.

## Payment terms

Deliveries are exclusively prepaid and shipped immediately after receipt of payment. Payment may also be made as cash on delivery for an additional fee within the delivery area of the Federal Republic of Germany. Assuming proper creditworthiness, delivery may also be done as debit request or on account. We reserve the right to request appropriate insurance services at our expense. We insist on reserving the right to reject this delivery variant – without stating cause. In that case the customer is no longer bound by the purchase contract. Liability and secondary obligations

Advice and information about the use of our delivery items will be given to the best of our ability. We explicitly exclude all liability for use, because responsibility for determining usefulness and specific use of our product rests with the customer.

## Data protection

All data relating to personnel/persons is handled strictly confidentially. Data necessary for the transaction of business is stored and passed to shipping companies during order processing if necessary. Your documents are protected during data processing under full consideration of the law.

## Jurisdiction

Place of performance for delivery and payment is the seat of the company Bendel Werkzeuge GmbH & Co. KG. In legal disputes arising from a contractual relationship with merchants, legal persons under public law or public special assets the place of court is exclusively the responsible court at the seat of Bendel Werkzeuge GmbH & Co. KG, unless otherwise expressly determined by the law.

## Final remark

If the nullity or illegality of individual contractual provisions, including through legislative amendment is found by a court of, the legal validity of the remaining terms and conditions shall not be affected.

This terms and condition are a translation of the German version. It's being understood that in case of discrepancies between the two versions, the German text shall prevail.



**Tornador® Rotador®**

**BENDEL Werkzeuge GmbH & Co. KG**

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