

DELTA BRUSHES

For defined machining

Deburring, derusting, descaling, cleaning...

KULLEN-KOTI BRUSHES



Kullen

— KOTI GROUP —

Brushing Solutions

WELCOME AT KULLEN-KOTI

The traditional family firm was founded in 1913 and employs a workforce of around 200 in Reutlingen. Over the years it has achieved an impressive number of pioneering developments in the field of brush technology. Since August 2012, Kullen has been part of the KOTI Group. The product ranges of these two individual companies complement each other ideally, allowing us to offer a product portfolio which is unique anywhere in the world.

The company attaches particular importance to the continuous development of its already very extensive standard range. Because, alongside the principles of quality and service, KULLEN-KOTI's prime concern is versatility. Creativity and experience go hand in hand with technical expertise.



BRUSHING SOLUTIONS

The name KULLEN-KOTI is synonymous with Europe's most comprehensive range of brushes. For over 100 years, we are specialized in manufacturing high-grade industrial brushes.

Our brushes are used in many branches. The product range thus consists of a wide selection of industrial and technical brushes. Our standard or customized products ensure that you get the brush that meets your objectives. Our objective is to ensure that our brushes provide additional value to our customer's production processes. Brushes fulfil often inconspicuous but essential functions within the production process. Almost everywhere where products or materials have to be manufactured or treated, you will discover brushes.

Advantages of Kullen-Koti brushes

- They are versatile and offer a flexible solution for often complex industrial processes.
- They improve, accelerate and optimize various production processes.
- They prevent production interruptions and reduce downtime.
- They treat products and materials with care.
- There are many types of brushes and materials possible, so we can always offer the right solution.

Advice and support

Thanks to our knowledge and expertise, we can advise you choosing the right brush.

Do you have a new machine or system installation? Or an existing machine?

We offer the requested technical support. For more information or to arrange a visit from our technical advisor, please contact the KULLEN-KOTI sales department.

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TÜV ISO 9001:2015 certified

High standards through certification

As Europe's largest brush manufacturer, KULLEN-KOTI has qualified for TÜV ISO 9001:2015 certification and meets all its actual requirements. Our consistent investments in development and the logical implementation of improved quality systems to ISO 9001 ensure that you will get a reliable, high quality product.

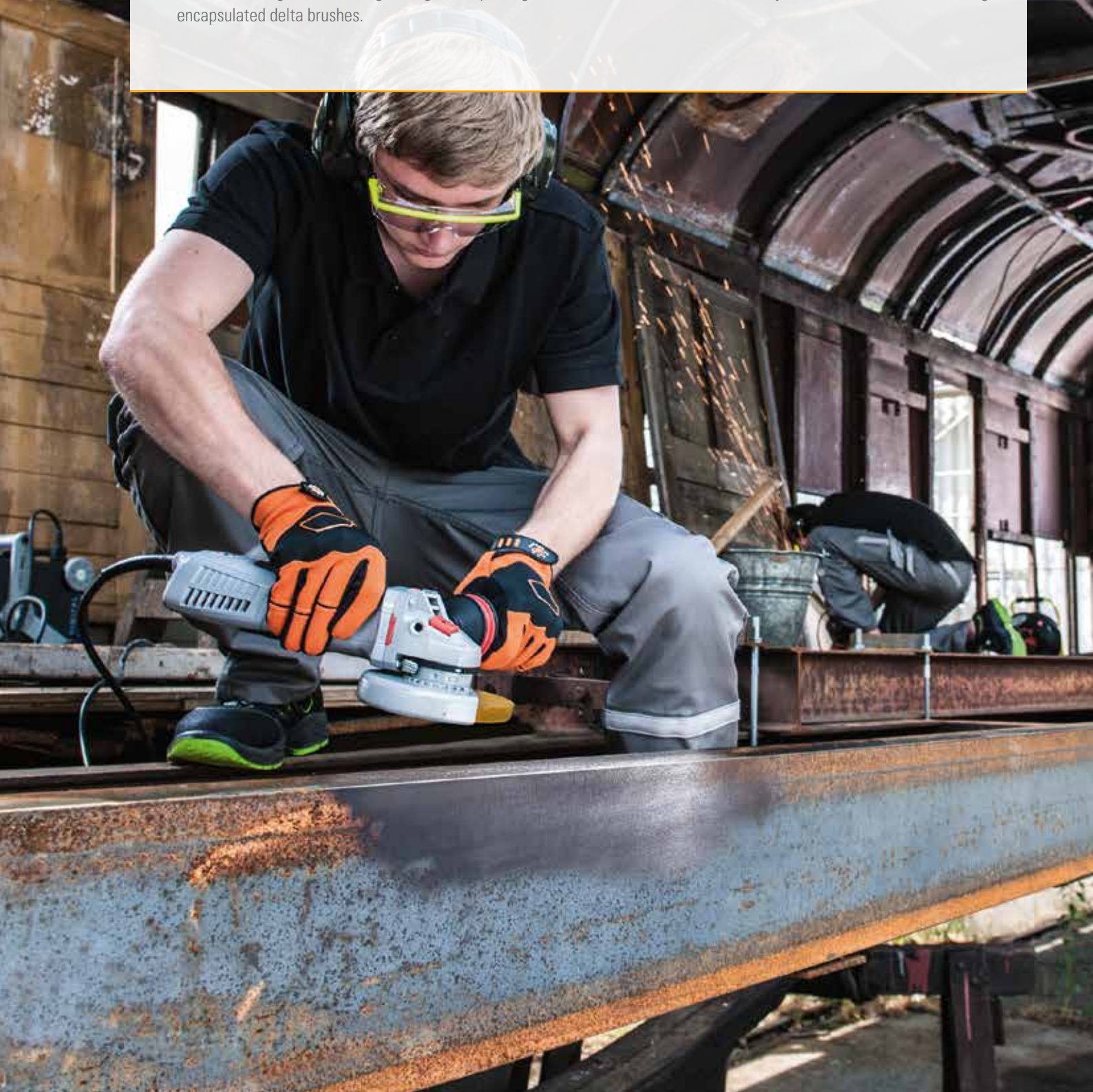


DELTA BRUSHES IN PRACTICE

Delta brushes are perfectly designed for aggressive machining and very precise work on corners and edges.

They consist of a crimped steel wire encapsulated in a elastic compound material. The wire tips stand only minimally from the synthetic material.

Delta brushes guarantee a constant fill width throughout the entire operation time. A fast breakage of individual wires is avoided, making the brush long lasting and improving the tool life. In addition, the risk of injuries is much lower when using encapsulated delta brushes.



Advantages

These specific tools were developed for special applications and top performance in the industry. Wherever special requirements have to be met, Delta brushes are the right choice. With their high form stability, these brushes offer you a specific tool solution for the highest requirements. Delta brushes are used for light, medium or heavy brushing applications. Due to their specific characteristics, they offer many different advantages.

Precise machining

Due to their high form stability, delta brushes enable very precise and defined machining, such as deburring and rounding, with a high stock removal rate.

Powerful brushing impact

The unique design and exact machining ensure a consistent finish - you benefit from high aggressiveness and therefore maximum productivity.

Long tool life

The use of high-quality delta brushes ensures long tool life and consistent results.

Use in hard-to-reach places

The small design is ideal for processing hard-to-reach areas (e.g. root welds). Delta brushes have a high form stability and therefore can withstand high mechanical loads.

Uniform processing

Guaranteed, consistent and uniform finish creates reproducible results.

Reduced risk of injury

Delta brushes have a reduced safety risk for the user, as the wires are encapsulated in a plastic compound and therefore no individual wires can come loose from the brush.

Tip

Delta brushes are suitable for applications that have special requirements on aggressiveness and stability of the brush.





Delta brushes are a professional solution for cleaning all types of pipe welds and steel fabrication.

DELTA BRUSHES APPLICATIONS

Delta brushes are used everywhere, where precisely defined working surfaces are required. They are perfect for uniform surface and precise edge finishing. Delta brushes are mainly used in these areas:

Deburring

Delta brushes are suitable for removing/processing a wide variety of burrs and edges. They can be used with high precision. Besides the manual usage Delta brushes are also suitable for machines and fully automated deburring.

Descaling

Delta brushes perfectly remove impurities from iron oxide on the surface of metals. They are available in different shapes and dimensions for this purpose.

Stripping

Delta brushes remove old layers of paint or other insulating materials. In automatic production processes, delta brushes arranged in opposite turning directions are also used for stripping.

Paint removal

Delta brushes are ideal for removing paint from shaped parts or hard-to-reach areas such as grooves, folds or profiles.

Derusting

Delta brushes achieve a shiny finish on oxidised and coated metal surfaces. Perfectly suitable for hard-to-reach areas. Specifically designed for the work on edges and in corners.

Cleaning

Delta brushes are indispensable as a basis for defect-free components in mechanical cleaning operations. They remove unwanted materials from the surface of workpieces to a defined degree.

Treatment of weld seams

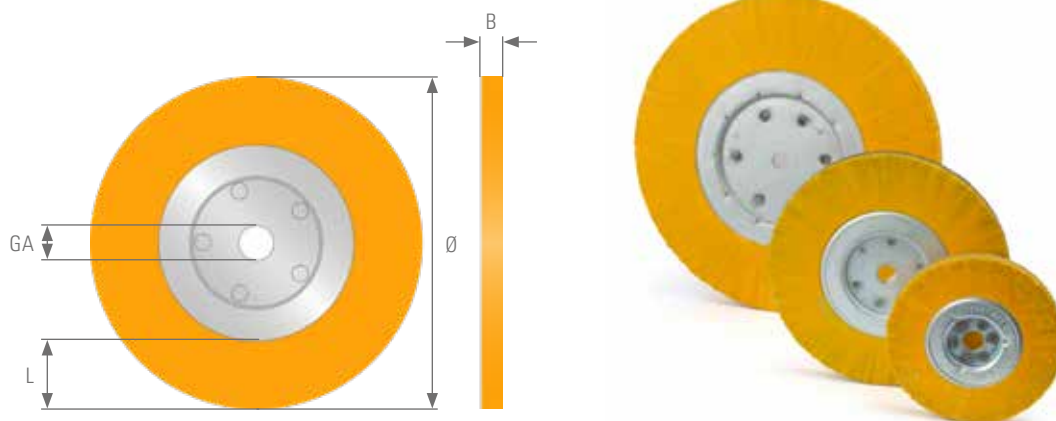
Delta brushes are designed to provide fast slag removal from weld joints, these brushes are the perfect tool for root runs to prevent porosity, burn through, inclusions and lack of fusion.



TECHNICAL INFORMATION

Single-Section Brushes Delta

Suitable for processing a wide variety of burrs and edges. They can be used with high precision. Delta brushes can be used all kinds of deburring jobs - manual, mechanical or fully automated.



Einzelscheibenbürsten Delta							
Ø	B	L	GA	GE	min-1	Type	0.30 LTE
mm	mm	mm	mm		max.		Art.-No.
100 (4")	12	22	22,2	-	8000	DK-B 3101	9918.7001
100 (4")	12	22	-	M14	8000	DK-B 3101	9918.7006
100 (4")	12	22	-	5/8"	8000	DK-B 3101	9918.7009
125 (5")	12,5	22	22,2	-	6000	DK-B 5121	9918.7002
125 (5")	12,5	22	-	M14	6000	DK-B 5121	9918.7007
125 (5")	12,5	22	-	5/8"	6000	DK-B 5121	9918.7010
150 (6")	12,5	34	22,2	-	6000	DK-B 5151	9918.7003
150 (6")	12,5	34	-	M14	6000	DK-B 5151	9918.7008
150 (6")	12,5	34	-	5/8"	6000	DK-B 5151	9918.7011
200 (8")	13,5	43	22,2	-	4500	DK-B 8201	9918.7004
250 (10")	16	55	22,2	-	3600	DK-B 10251	9918.7005

Other dimensions on request.

Available from stock

Legend

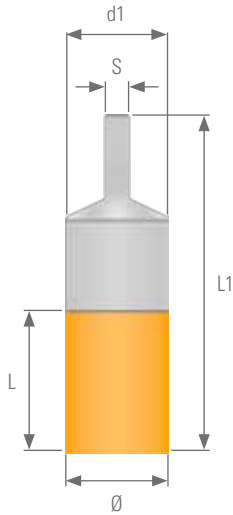
Ø	Brush diameter
B	Brush width
L	Fill length
min-1	Speed
GA	Bore diameter
GE	Thread

Slight color deviations of the synthetic compound are possible.

Slight adhesion of the synthetic compound may occur during machining.

End Brushes Delta

Suitable for medium brushing requirements. The brush is used on the front side. This intensifies the brushing effect. The punctiform mode of operation makes it possible to reach recesses and bores easily.



Pinselbürsten Delta							
Ø	d1	L	S	L1	min-1	Type	0.30 LTE
mm	mm	mm	mm	mm	max.		Art.-No.
10 (3/8")	10	25	6	60	20000	DK-P 10	9918.7301
15 (5/8")	15	25	6	60	15000	DK-P 15	9918.7302
22 (7/8")	22	25	6	68	13000	DK-P 22	9918.7303
28 (1 1/8")	28	25	6	68	13000	DK-P 28	9918.7304

Other dimensions on request.

Legend

Ø	Brush diameter
d1	Brush width
L	Fill length
S	Shaft
L1	Total height
min-1	Speed

Please feel free to contact us by phone or send us an e-mail

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Safety recommendations for working safely with power-driven brush tools

The DIN standard EN 1083-2 governs the safety requirements imposed on power-driven brush tools.

The safety speed indicated on the brush, the label or the packaging must never be exceeded!
In some cases, the recommended working speed is significantly below the maximum safety speed.
The speed of the driving machine must never exceed the safety speed of the brush tool.

In order to increase safety when working with power-driven brush tools, please also observe the following measures.

Storage

Brush tools must always be stored in the relevant containers and in suitable rooms, and must be protected from deformation.

Brush tools must be protected from water, acid, vapours or other media which can cause damage.

Application

Always check brush tools prior to use for any signs of damage.
Only mount brush tools on machinery with the aid of suitable clamping fixtures.

When working with shaft-mounted brushes, these must be clamped as short as possible.

Protection

All persons working in the work area must wear suitable eye protection during the brushing process.

Protective masks at machines must not be removed.

Suitable ear protectors must be worn if noise levels exceed the limiting value.

When brushing work is carried out, always take the relevant safety precautions (extraction system, dust masks).

Disposal

Worn or damaged brushes must be disposed of correctly in accordance with local authority directives.



A wide variety of machine types and applications follow the safety instructions and basic safety measures listed here.
For more information and advice, please look up the relevant laws, regulations, safety specifications and standards.

Brush assortment

You can find our complete KULLEN-KOTI industrial brush range at www.kullen.de.

Here we also inform you about our company and our services.

Would you like to learn more about our products, applications and industry expertise?

At www.kullen.de/products/catalogs you can order your desired catalogs simply by clicking on them.

You will receive them within a few days by mail or in a few seconds as a download by e-mail.



Ask our team

If you need more information, just contact us and we will be happy to help you.

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Brushing Solutions

KULLEN-KOTI Delta brushes make your products ready for use.
Our solutions provide optimum support for your processes:



- Deburring
- Derusting
- Descaling
- Paint stripping
- Cleaning
- Welding seam processing
- Stripping

...and much more!

KULLEN-KOTI GmbH Brushing Solutions

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