

KULLEN - KOTI SELECT

Dealer program

Work Tool Brushes for Professionals



 **Kullen**

The World of Brush Technology

KOTI
GROUP



The World of Brush Technology



MEMBER OF THE KOTI GROUP

Brushes for all industries

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

Founded in 1913, this traditional family firm employs a workforce of around 200 in Reutlingen, and may lay claim to an impressive number of pioneering developments in the field of brush technology over the years.

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. KULLEN - KOTI brushes are in successful use today in practically every conceivable field of application.

KULLEN - KOTI SELECT

Our professional product range for the trade encompasses an attractive selection of rotary wire tools brushes, offering an impressive array of different product variants and bristle materials.

These high-grade brushes are used throughout all areas of industry and trade.

The following pages will tell you everything you need to know about our supply range and fields of application.



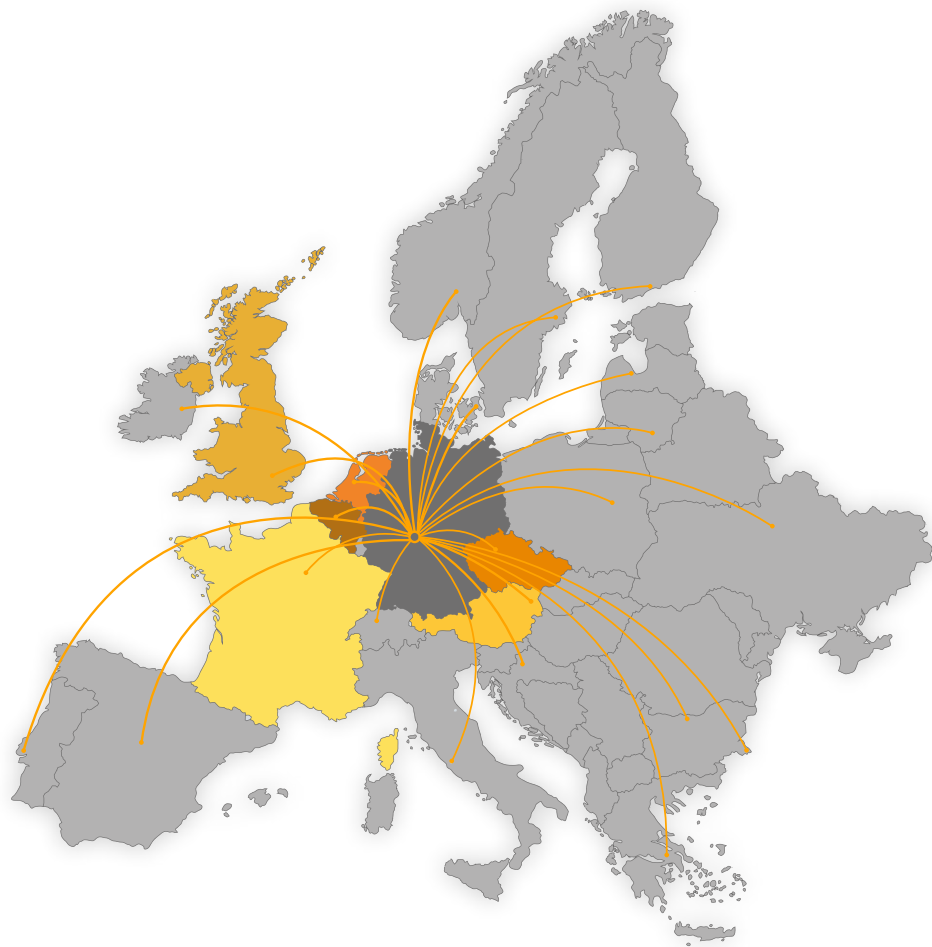
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KULLEN - KOTI SUPPLIES WORLDWIDE

No matter where our customers are located we deliver our products all over the world. For this purpose we work with competent partners in many countries who help you choose the right brush.

Europe

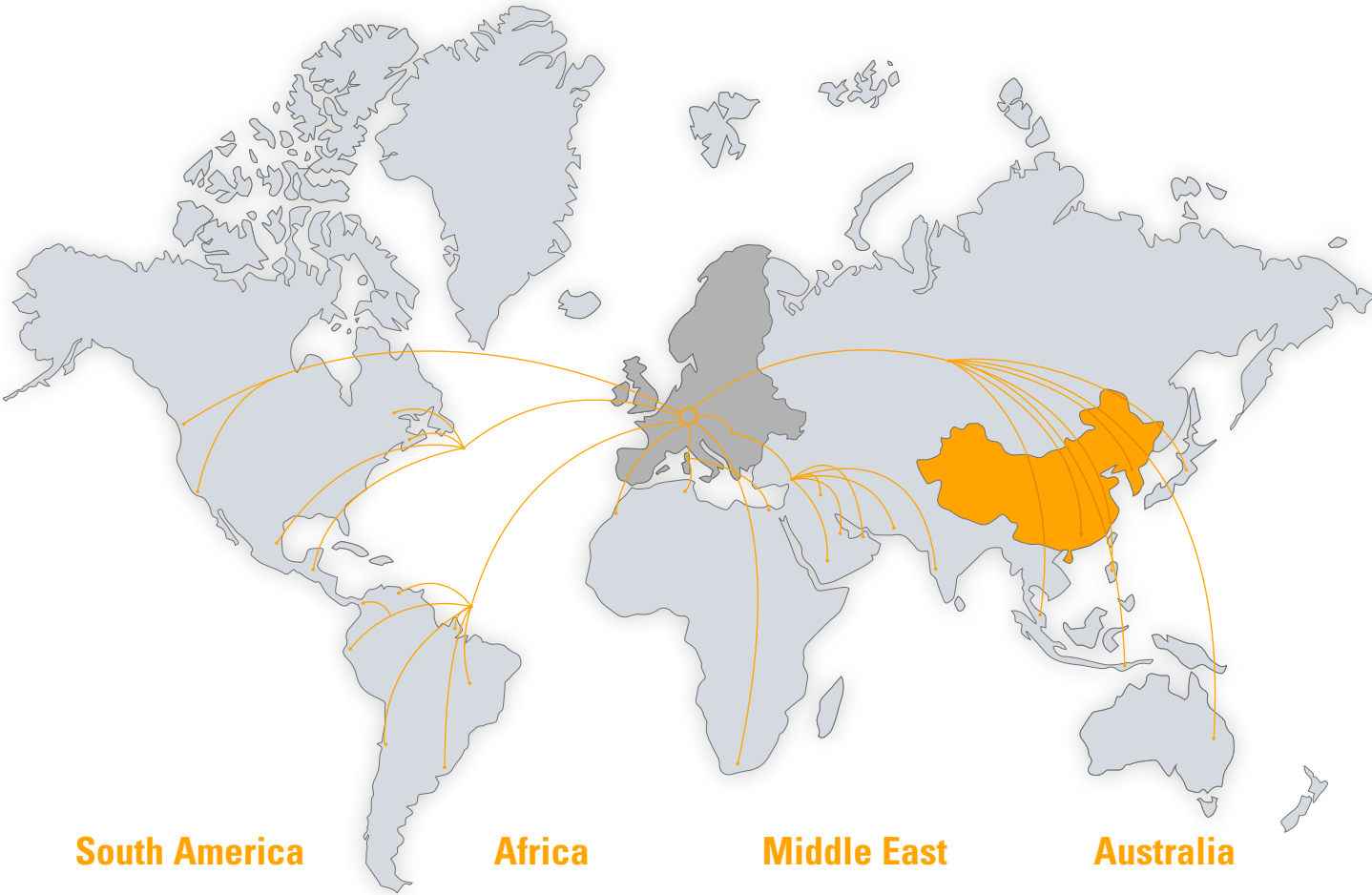


KOTI Group

- | | |
|---|--|
| ■ KULLEN – KOTI Bürstentechnik | ■ KOTI Industrieel en Technisch Borstelwerk |
| ■ HK – KOTI Entgrattechnik | ■ KOTI – NABO Industrieel en Technisch Borstelwerk |
| ■ KLEENEZE – KOTI Sealtech | ■ KOTI – DAWSON Industrial and Technical Brushes |
| ■ R.I.B. – KOTI - Record Industrial Brushes | ■ KOTI – KOBRA Technische Bürsten |
| ■ KULLEN – KOTI CZ - Sales office | ■ KOTI – TRIBOLLET Brosses Techniques |

North America

Asia



South America

Africa

Middle East

Australia

- BEILUN FUTUO - Mechanical tools

Are you looking for a sales office in your country? Please do not hesitate to contact us under e-mail post@kullen.de. We will immediately send you the contact details including telephone number and e-mail address.

ATTRACTIVE BUSINESS

KULLEN - KOTI Select at the POS – The professional assortment for dealers

KULLEN - KOTI Select provides you many possibilities for presentation and merchandize. They attract customer's attention and therefore help to boost retail sales.

KULLEN - KOTI Displays - eye catchers!

The KULLEN - KOTI merchandisers provide a clear display which is easily adaptable in quantity and assortment to fit with your needs. Good tool presentation and item visibility like this promotes sales. We can advise you on the best assortment for your customers.



- Professional presentation with your logo
- Blister packaging with your logo, specifications and requirements
- Quick overview of all products for your customers
- Adapting quantity and assortment to your wishes and requirements
- Easy expandable installation according to your wishes

Attractive packaging for the trade

The KULLEN - KOTI Select range of accessories are packed in carton or transparent blister packages which can be resealed again and again to provide safe storage for the product's lifetime.

Simple reference for which machine the brush can be used:

- Electric drill
- Bench grinder
- Angle grinder

Information about the filling material.



Clear indication of the security requirements:

- Eye protection
- Gloves
- Mask
- Hearing protection



Further information about the applications of the brushes such as:

- Derusting
- Paint stripping
- Descaling



Each brush will be supplied in a suitable box.

Private labelling

Expand and strengthen your brand with the unique KULLEN - KOTI assortment. Through our Private Labelling Service, you can alter packaging and the product label for your own specific need - such as adding your company name, logo or other company designs to the blister packaging.

Printing your own logo on blister packaging is possible.

Short information about the application fields of the brushes.



Product information such as diameter and filling material.

Simple reference for which machine the brush can be used:

- Electric drill
- Bench grinder
- Angle grinder



Display boxes

In addition to our attractive display racks, we also offer practical display boxes. By attaching a small flag on the shaft of the brush, your customers get all the important information.



Due to their compact size, the display boxes can be used practically anywhere.



A wide range of application fields of the brushes

KULLEN - KOTI Select brushes are used in many different fields and also used for a wide range of applications. For example:

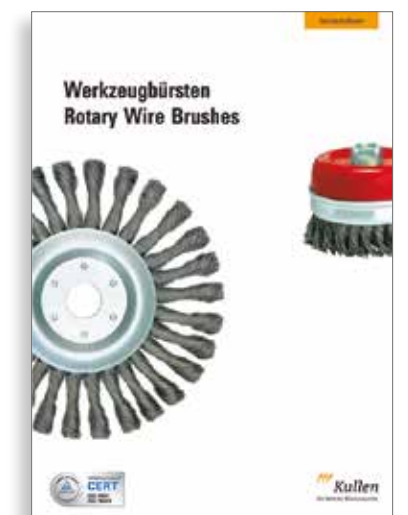
- Metal
- Stainless Steel
- Automotive
- Wood
- Stone
- and many more!

For more information about the application fields of KULLEN – KOTI brushes please contact our sales team.



KULLEN - KOTI Rotary wire brushes and many more!

Besides our Work Tool Brushes, you can find our further assortment of Rotary Wire Brushes in our catalogue or on our website www.kullen.com.



APPLICATION EXAMPLES

Work tool brushes in application

Rotary wire brushes from KULLEN - KOTI can be used in almost any sector of industry. Let us find the optimum solution for you. Our application examples illustrate the outstanding results achieved with a range of operations such as deburring, rust removal, paint removal, smoothing and much more.



Work tool brushes are used in the woodworking industry for applications such as structuring.

Light structuring results can be achieved using a roller brush with stranded wire bristles, while for coarse structuring (rustic effect), a roller brush with twist-knotted steel wire bristles is used.

To remove projecting wood fibres and smooth pores, the structured finish is then treated using an Anderlon roller brush.



In the aircraft industry, rotary wire brushes with stainless steel wire and Anderlon bristles are used to machine aluminium components.

Selection of the right brushes depends on the requirements. Do you wish to roughen the surface, achieve a smooth surface finish or deburr the work piece edges?



Welded seam machining using a circular brush with shaft and twist-knotted wire bristles.



Pipe machining application: Derusting of steel pipes using Ultra cup brushes with twist-knotted steel wire bristles.



Paint and rust removal by using end brushes with crimped wire bristles on a straight grinder



For processing stone, work tool brushes with twist-knotted wire brushes (joint brushes) are used for difficult-to-access joints and corners.

Another application possibility is the breaking or rounding of edges using circular brushes with stranded or twist-knotted steel wire bristles.



KULLEN - KOTI rotary wire brushes are used in the automotive industry for example for deburring motor blocks or gears.



Applications in the electro technical industry: Cleaning solder joints, deburring copper components, stripping cables.



In rubber processing applications: For the removal of rubber residues and tyre retreading.



Treatment of steel beams, for instance in the renovation of historical steam engines or train carriages.



Derusting of components using a cup brush.

TECHNICAL INFORMATION



TECHNICAL INFORMATION

KULLEN - KOTI can supply brushes for all applications even for unusual special uses. In addition to the probably largest product range in Europe with more than 141.000 brush Types, KULLEN - KOTI also offers you the first class service including private labelling, special promotions and point of sale merchandisers

Brush specifications

B	Width in mm
BD	Fill diameter in mm
BLG	Fill Length in mm
GA	Bore diameter in mm
GE	Thread
GLG	Total length in mm
HLG	Sleeve length in mm
n ⁻¹	Maximum engine speed per minute
RH	Number of rows
S	Diameter of the shaft in mm
Ø	Brush diameter in mm

Filling materials

ANS	ANDERLON abrasive filaments, silicon-carbide-grit, crimped, grey
INOX	Stainless steel wire, twist knot construction
LIT	Brass plated steel wire, tempered & tough, cord construction, crimped
LTE	Brass plated steel wire, tempered, single-wire, crimped
MES	Brass wire (Cu-Zn), crimped
OSG	Steel wire, hardened, straight
SSD	Steel wire, high tensile strength and tough, crimped
STD	Steel wire, natural hard, crimped
SUP	Steel wire, twist knot construction

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.

FILL TYPES

Wires

In order to obtain our world renowned wire quality we are always in touch with internationally chosen wire manufacturers and thus are in the position to offer you a wide variety of wire qualities for all kinds of applications.

The most important characteristic for the quality of brush wires is the tensile strength which determines the abrasion-proof, hardness and cutting duty of the wire brush. The list below retails the wire qualities that are used.

Type	Description	Versions	Fill diameter (BD)
"Soft"			
MES	Brass wire (Cu-Zn), crimped	Crimped	Ø 0,30 mm



"Medium"			
STD	Steel wire, natural hard, crimped	Crimped	Ø 0,30 - 0,50 mm
SUP	Steel wire, twist knot construction	Twist knot	Ø 0,35 - 0,50 - 0,80 mm
OSG	Steel wire, hardened, straight	Straight	Ø 0,30 - 0,40 mm
INOX	Stainless steel wire, twist knot construction	Straight	Ø 0,30 mm
		Crimped	Ø 0,06 - 0,08 - 0,10 - 0,20 - 0,30 mm
		Twist knot	Ø 0,35 mm
		Brass plated	Ø 0,20 mm



"Hard"			
SSD	Steel wire, high tensile strength and tough, crimped	Crimped	Ø 0,12 mm
LIT	Brass plated steel wire, tempered & tough, cord construction, crimped	Brass plated	Ø 0,22 mm
LTE	Brass plated steel wire, tempered, single-wire, crimped	Crimped	On demand



ANDERLON – Abrasive filaments

ANDERLON – A top quality state of the art leading brand material. For more than 35 years the ANDERLON abrasive filament from KULLEN - KOTI has set the best technological standard. As we have always done everything to keep and improve our quality.

ANDERLON grinding filaments are especially appropriate for deburring processes and surface treatment of steel, heavy metals, aluminium or even wood.



AVAILABLE ABRASIVE NYLON BRUSHES - ANDERLON ANS

Grain size	Fill diameter (BD)
K600	0,25 mm
K320	0,55 mm
K180	0,90 mm
K120	1,00 mm

TECHNICAL INFORMATION

On these pages you will find some important technical information.

Brand names and their features

The type designation of our brushes has the following specific properties:



- Record:** Brushes filled with crimped wire



- Ultra:** Brushes with a twist knot construction



- Multicord:** Brushes filled with brass plated steel braided wire



- Alpha:** Brushes filled with ANDERLON abrasive filaments

What to do if the desired brushing effect is not obtained

Brushing effect too weak

- Increase the peripheral speed by increasing the brush diameter or the operating speed (observe the max. safety speed)
- Decrease the trim length
- Increase the diameter of the fill material

Surface finish too rough

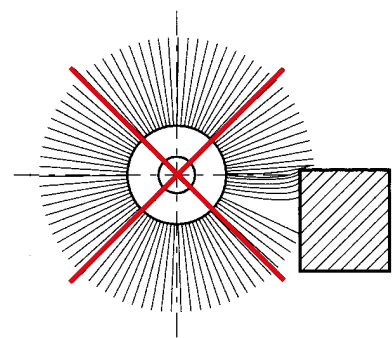
- Increase the peripheral speed by increasing the brush diameter or the operating speed (observe the max. safety speed)
- Increase the trim height
- Decrease the diameter of the fill material

Brushing effect too powerful

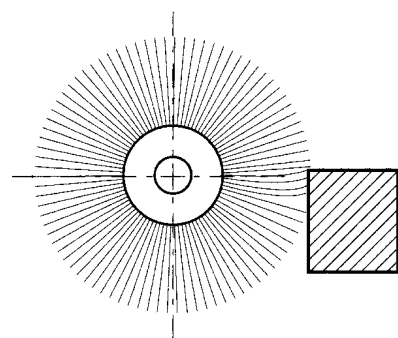
- Reduce the peripheral speed by reducing the brush diameter or the operating speed
- Increase the trim height
- Decrease the diameter of the fill material

Surface finish too smooth

- Reduce the peripheral speed by reducing the brush diameter or the operating speed
- Decrease the trim length
- Increase the diameter of the fill material



Excessive operating pressure (penetration depth) will reduce the service life of the brush



Remember the "tips" of the brush do the work consequently only with the light possible pressure of 1-2,5 mm

Table of peripheral speeds

Peripheral speed is a decisive factor in achieving optimum performance from a brush. The table opposite will enable you to determine the relevant peripheral speed by simply reading down and across the appropriate diameter and drive shaft operating speed columns.

Please note: The operating speed should never exceed the maximum safety speed ratings for each brush as shown in this catalogue. In cases where maximum safety speed ratings are not indicated and for special brushes which are not listed please contact our technical department for guidance. The optimum operating speed is determined by the application and in most cases lower operating speeds will prove more efficient and achieve the best result.

As a general guide we recommend the following peripheral speeds when working on the materials listed with:

Record, Multicord

- Steel - ca. 30 m/sec
- Non-ferrous metals - 18-20 m/sec
- Synthetics - ca. 15 m/sec

Ultra

- Steel - 35-40 m/sec

Alpha

- Steel - 18-20 m/sec
- Non-ferrous metals - 18-20 m/sec
- Synthetics - ca. 15 m/sec

Peripheral speeds (m/sec)												
n ⁻¹	Brush-diameter in mm											
	20	40	50	80	100	125	150	180	200	250	300	350
800				3,35	4,19	5,23	6,28	7,53	8,37	10,47	12,56	14,75
900			2,35	3,77	4,71	5,88	7,06	8,48	9,41	11,77	14,12	16,47
1.150			3,01	4,81	6,01	7,52	9,02	10,83	12,03	15,04	18,04	21,04
1.200	1,26	2,51	3,14	5,02	6,28	7,85	9,41	11,30	12,55	15,69	18,83	21,97
1.400	1,46	2,93	3,66	5,86	7,32	9,15	10,98	13,18	14,64	18,31	21,97	25,63
1.500	1,57	3,14	3,92	6,28	7,85	9,81	11,77	14,13	15,69	19,61	23,54	27,46
1.800	1,88	3,77	4,71	7,54	9,41	11,77	14,12	16,95	18,83	23,54	28,24	32,95
2.000	2,09	4,19	5,23	8,37	10,26	13,08	15,69	18,84	20,92	26,15	31,38	36,61
2.500	2,62	5,23	6,54	10,47	13,08	16,35	19,61	23,55	26,15	32,67	39,23	45,76
2.800	2,93	5,86	7,32	11,72	14,64	18,31	21,97	26,37	29,29	36,61	43,93	51,25
3.000	3,14	6,28	7,85	12,56	15,69	19,62	23,54	28,26	31,38	39,23	47,07	54,92
3.200	3,35	6,70	8,37	13,40	16,74	20,92	25,10	30,14	33,47	41,84	50,21	58,58
3.500	3,66	7,33	9,15	14,65	18,31	22,89	27,46	32,97	36,61	45,76	54,92	64,07
4.000	4,19	8,37	10,46	16,75	20,92	26,16	31,38	37,68	41,84	52,33	62,76	73,22
4.500	4,70	9,42	11,77	18,84	23,54	29,43	35,30	42,40	47,07	58,84	70,61	82,43
5.000	5,23	10,47	13,08	20,93	26,15	32,70	39,23	47,10	52,33	65,38	78,50	
5.400	5,65	11,30	14,12	22,94	28,24	35,31	42,36	50,67	56,48	70,61	84,78	
6.000	6,28	12,56	15,69	25,12	31,38	39,24	47,07	56,52	62,76	78,50		
7.000	7,33	14,66	18,31	29,31	36,61	45,78	54,92	65,94	73,22	91,58		
8.000	8,37	16,75	20,92	33,94	41,48	52,32	62,76	75,36	83,73			
9.000	9,42	18,84	23,54	37,68	47,07	58,86	70,61	84,78	94,20			
10.000	10,47	20,93	26,17	41,86	52,33	65,40	78,50	94,20				
12.500	13,08	26,17	32,71	52,33	65,42	81,75	98,13					
15.000	15,70	31,40	39,25	62,80								
17.500	18,32	36,63	45,79	73,26								
20.000	20,93	41,87	52,33	83,73								
22.500	23,55	47,10	58,88	94,20								
25.000	26,17	52,33	65,42	104,66								

ELECTRIC DRILL



The image shows a shaft-mounted circular brush with multicord wires.



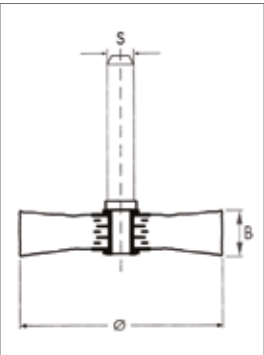
ELECTRIC DRILL

What a perfect team they make: Electric drills or compressed air tools and shaft mounted brushes from KULLEN - KOTI for processing of small areas, with twisted wire brushes for aggressive usage and high removal rates or crimped wire and abrasive nylon brushes for more sensitive surfaces. KULLEN - KOTI has the right shaft mounted brush for all applications.



SHAFT-MOUNTED CIRCULAR BRUSHES

For smoothing, trimming of casting joint and rubber to metal bonded parts, deburring work, removal of corrosion and paint.



1. Record

Type	Ø	B	RH*	S	Crimped		
					STD	INOX	
					0,30	0,50	0,20
05302S	30	6	2	6,00	90761332	90761532	90762232
05304S	30	12	4	6,00	90761334	90761534	90762234
08502S	50	10	2	6,00	90761352	90761552	90762252
08504S	50	20	4	6,00	90761354	90761554	90762254
08702S	70	10	2	6,00	90761372	90761572	90762272
08704S	70	20	4	6,00	90761374	90761574	90762274

3. Multicord

Type	Ø	B	RH*	S	Brass plated	
					LIT	INOX
					0,22	0,20
MC-05302S	30	6	2	6,00	90763232	90766232
MC-05304S	30	12	4	6,00	90763234	90766234
MC-08502S	50	10	2	6,00	90763252	90766252
MC-08504S	50	20	4	6,00	90763254	90766254
MC-08702S	70	10	2	6,00	90763272	90766272
MC-08704S	70	20	4	6,00	90763274	90766274

2. Alpha

Type	Ø	B	RH*	S	Crimped		
					ANS		
					0,55 K320	0,90 K180	1,00 K120
AS-05302S	30	6	2	6,00	90769632	90769932	90769032
AS-05302S	30	12	4	6,00	90769634	90769934	90769034
AS-08502S	50	10	2	6,00	90769652	90769952	90769052
AS-08504S	50	20	4	6,00	90769654	90769954	90769054
AS-08702S	70	10	2	6,00	90769672	90769972	90769072
AS-08704S	70	20	4	6,00	90769674	90769974	90769074

4. Ultra

Type	Ø	RH*	S	Twist knot		
				SUP	INOX Straight	
				0,35	0,50	0,35
ZK1701S	70	1	6,00	90765371	90765571	90764371

Legend

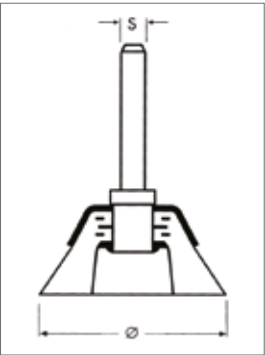
ANS	ANDERLON abrasive filaments
INOX	Stainless steel wire
LIT	Brass plated steel wire
LTE	Brass plated steel wire, single-wire
STD	Steel wire, natural hard
SUP	Steel wire, twist knot construction
*RH	Number of rows

Shaft-mounted brushes are also available with LTE.



SHAFT-MOUNTED CUP BRUSHES

For working on large surfaces.



1. Record

Type	Ø	S	Crimped		
			STD	INOX	
T08502S	50	6,00	90791350	90791550	90792250
T1702S	70	6,00	90791370	90791570	90792270

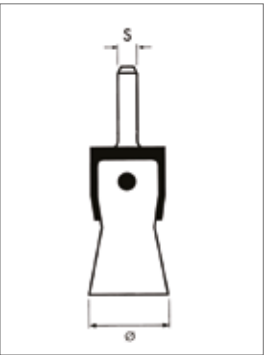
2. Alpha

Type	Ø	S	Crimped		
			ANS		
AS-T08502S	50	6,00	90799650	90799950	90799050
AS-T1702S	70	6,00	90799670	90799970	90799070

Shaft-mounted brushes are also available with LTE.

END BRUSHES

For working in hard-to-reach areas.



1. Record

Type	Ø	S	Crimped		
			STD	INOX	
P10	10	6,00	90781310	90781510	90782210
P15	15	6,00	90781315	90781515	90782215
P22	22	6,00	90781322	90781522	90782222
P28	28	6,00	90781328	90781528	90782228

2. Alpha

Type	Ø	S	Crimped		
			ANS		
AS-P10	10	6,00	90789610	90789910	90789010
AS-P15	15	6,00	90789615	90789915	90789015
AS-P22	22	6,00	90789622	90789922	90789022
AS-P28	28	6,00	90789628	90789928	90789028

3. Multicord

Type	Ø	S	Brass plated	
			LIT	INOX
MC-P10	10	6,00	90783210	90786210
MC-P15	15	6,00	90783215	90786215
MC-P22	22	6,00	90783222	90786222
MC-P28	28	6,00	90783228	90786228

4. Ultra

Type	Ø	S	Twist knot		
			SUP	INOX Straight	
ZP19	19	6,00	90785319	90785519	90784319
ZP22	22	6,00	90785322	90785522	90784322
ZP28	28	6,00	90785328	90785528	90784328

Legend

ANS	ANDERLON abrasive filaments
INOX	Stainless steel wire
LIT	Brass plated steel wire
LTE	Brass plated steel wire, Single-wire
STD	Steel wire, natural hard
SUP	Steel wire, twist knot construction

End brushes are also available with LTE.

BENCH GRINDER



The image shows a circular brush with Record wires on the left and with Alpha bristles on the right.

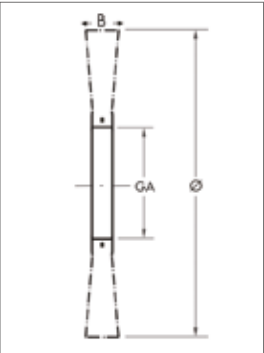


BENCH GRINDER

KULLEN - KOTI circular brushes are designed for tough professional usage. Depending on the power pack, you can choose our brushes between different diameter. The high-quality processing of our brushes ensure you high durability with excellent efforts.

CIRCULAR BRUSHES

For deburring, cleaning, levelling, matting and keying.



1. Record

Type	Ø	GA	B	RH*	Crimped			
					STD		INOX	
3102	100	25,0	20	2	90731212	90731312	90731512	90732212
3104	100	25,0	36	4	90731214	90731314	90731514	90732214
3122	125	25,0	24	2	90731227	90731327	90731527	90732227
---	125	25,0	40	4	90731229	90731329	90731529	90732229
5152	150	40,0	18	2	90731217	90731317	90731517	90732217
5154	150	40,0	36	4	90731219	90731319	90731519	90732219
5182	178	40,0	22	2	90731280	90731380	90731580	90732280
5184	178	40,0	36	4	90731282	90731382	90731582	90732282
8202	200	50,8 SK	26	2	90731222	90731322	90731522	90732222
8202	200	50,8 SK	45	4	90731224	90731324	90731524	90732224

3. Multicord

Type	Ø	GA	B	RH*	Brass plated	
					LIT	INOX
MC3102	100	25,0	20	2	90733212	90736212
MC3104	100	25,0	36	4	90733214	90736214
MC3122	125	25,0	24	2	90733227	90736227
MC3124	125	25,0	40	4	90733229	90736229
MC5152	150	40,0	18	2	90733217	90736217
MC5154	150	40,0	36	4	90733219	90736219
MC5182	178	40,0	22	2	90733280	90736280
MC5184	178	40,0	36	4	90733282	90736282
MC8202	200	50,8 SK	26	2	90733222	90736222
MC8204	200	50,8 SK	45	4	90733224	90736224

2. Alpha

Type	Ø	GA	B	RH*	Crimped		
					ANS		
AS3102	100	25,0	20	2	90739612	90739912	90739012
AS3104	100	25,0	36	4	90739614	90739914	90739014
AS3122	125	25,0	24	2	90739627	90739927	90739027
AS3124	125	25,0	40	4	90739629	90739929	90739029
AS5152	150	40,0	18	2	90739652	90739952	90739052
AS5154	150	40,0	36	4	90739654	90739954	90739054
AS5182	178	40,0	22	2	90739680	90739980	90739080
AS5184	178	40,0	36	4	90739682	90739982	90739082
AS8202	200	50,8 SK	26	2	90739622	90739922	90739022
AS8204	200	50,8 SK	45	4	90739624	90739924	90739024

Legend

ANS	ANDERLON abrasive filaments
INOX	Stainless steel wire
LIT	Brass plated steel wire
STD	Steel wire, natural hard
*RH	Number of rows

ANGLE GRINDER



The image shows an angle grinder with a Record bevel brush, a Multicord bevel brush and on the right an Ultra bevel brush.

ANGLE GRINDER

Every angle grinder is only as good as the accessories you use with it and with the KULLEN - KOTI Select range of accessories the number of possible applications will be multiplied. Highest efficiency and outstanding durability are provided by KULLEN - KOTI brushes, and grinding discs. Leading machine manufacturer are aware of this and rely on accessories from KULLEN - KOTI.



CUP BRUSHES

For working on welds and large surfaces.



			Crimped						Brass plated	
			STD	INOX					LIT	INOX
Type	Ø	GE	0,30	0,50	0,20	Type	Ø	GE	0,22	0,20
T1.6602	60	M14	90711360	90711560	90712260	MC-T1.6602	60	M14	90713260	90716260
T1.6602	60	5/8"	90711361	90711561	90712261	MC-T1.6602	60	5/8"	90713261	90716261
T282	80	M14	90711380	90711580	90712280	MC-T282	80	M14	90713280	90716280
T282	80	5/8"	90711381	90711581	90712281	MC-T282	80	5/8"	90713281	90716281
T3102	100	M14	90711310	90711510	90712210	MC-T3102	100	M14	90713210	90716210
T3102	100	5/8"	90711311	90711511	90712211	MC-T3102	100	5/8"	90713211	90716211

			Twist knot			
			SUP		INOX Straight	
Type	Ø	GE	0,35	0,50	0,80	0,35
TZ61	65	M14	90715365	90715565	90715865	90714365
TZ61	65	5/8"	90715366	90715566	90715866	90714366
TZ81	80	M14	90715380	90715580	90715880	90714380
TZ81	80	5/8"	90715381	90715581	90715881	90714381
TZ101	100	M14	90715310	90715510	90715810	90714310
TZ101	100	5/8"	90715311	90715511	90715811	90714311

Legend

INOX

LIT

STD

SUP

Stainless steel wire

Brass plated steel wire

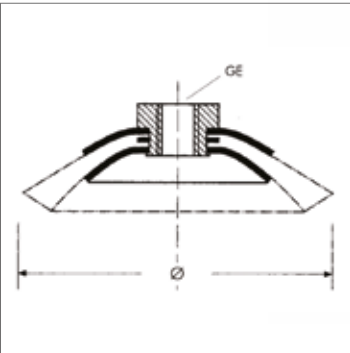
Steel wire, natural hard

Steel wire, twist knot construction



BEVEL BRUSHES

For weld preparation and for removal of rubber flashing, annealing scale, rust and paint in corners and hart-to-reach areas.



1. Record

Type	Ø	GE	Crimped		
			STD	INOX	
F115F	115	M14	90751315	90751515	90752215
F115F	115	5/8"	90751316	90751516	90752216

3. Multicord

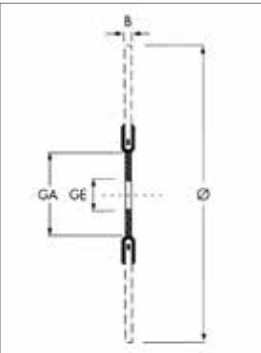
Type	Ø	GE	Brass plated	
			LIT	INOX
MC-F115F	115	M14	90753215	90756215
MC-F115F	115	5/8"	90753216	90756216

2. Ultra

Type	Ø	GE	Twist knot			
			SUP			INOX Straight
FZ115F	115	M14	90755315	90755515	90755815	90754515
FZ115F	115	5/8"	90755316	90755516	90755816	90754516

SINGLE - SECTION BRUSHES

For cleaning, derusting and matting surfaces of narrow work pieces.



1. Record

Type	Ø	B	GE	GA	Crimped		
					0,30	0,50	0,20
B3111	115	11	M14	---	90721315	90721515	90722215
B3111	115	11	5/8"	---	90721316	90721516	90722216
B3111	115	11	---	22,2	90721317	90721517	90722217
B3121	125	11	M14	---	90721325	90721525	90722225
B3121	125	11	5/8"	---	90721326	90721526	90722226
B3121	125	11	---	22,2	90721327	90721527	90722227
B5181	178	13	M14	---	90721378	90721578	90722278
B5181	178	13	5/8"	---	90721379	90721579	90722279
B5181	178	13	---	22,2	90721380	90721580	90722280

3. Multicord

Type	Ø	B	GE	GA	Brass plated	
					0,22	0,20
MC3111	115	11	M14	---	90723215	90726215
MC3111	115	11	5/8"	---	90723216	90726216
MC3111	115	11	---	22,2	90723217	90726217
MC3121	125	11	M14	---	90723225	90726225
MC3121	125	11	5/8"	---	90723226	90726226
MC3121	125	11	---	22,2	90723227	90726227
MC5181	178	13	M14	---	90723278	90726278
MC5181	178	13	5/8"	---	90723279	90726279
MC5181	178	13	---	22,2	90723280	90726280

2. Ultra

Type	Ø	GE	GA	Twist knot			
				SUP			INOX Straight
SZ2121	115	M14	---	90725315	90725515	90725815	90724315
SZ2121	115	5/8"	---	90725316	90725516	90725816	90724316
SZ2121	115	---	22,2	90725317	90725517	90725817	90724317
SZ2121	125	M14	---	90725325	90725525	90725825	90724325
SZ2121	125	5/8"	---	90725326	90725526	90725826	90724326
SZ2121	125	---	22,2	90725327	90725527	90725827	90724327
SZ3151	178	M14	---	90725378	90725578	90725878	90724378
SZ3151	178	5/8"	---	90725379	90725579	90725879	90724379
SZ3151	178	---	22,2	90725380	90725580	90725880	90724380

Legend

INOX	Stainless steel wire
LIT	Brass plated steel wire
STD	Steel wire, natural hard
SUP	Steel wire, twist knot construction

HAND BRUSHES & INTERIOR BRUSHES



The image shows a wooden hand brush and interior brushes with stainless steel wires on the right

HAND BRUSHES & INTERIOR BRUSHES

KULLEN - KOTI hand brushes make light work of manual cleaning applications because of their ergonomic handles and high quality wire fill. Fast removal rates and good cleaning results can easily be achieved.

Interior brushes: These are the insiders for deburring. They are particularly suitable for tube cleaning, smoothing and derusting. They are used in conjunction with electric drills, flexible shafts and machining centres.



WOODEN HAND BRUSHES

For cleaning, removing rust and paint, fettling and weld preparation.



Type	RH*	0,30 OSG	0,30 INOX Straight	0,30 MES
HB	2	49077302	49074302	49070302
HB	4	49077304	49074304	49070304

SSHB - HAND BRUSHES

For precision work in recesses.



Type	RH*	0,30 STD	0,30 INOX	0,30 MES
SSHB	1	49071301	49074301	49070301

Legend	
INOX	Stainless steel wire
MES	Brass wire (Cu-Zn)
OSG	Steel wire, twist knot construction
STD	Steel wire, natural hard
*RH	Number of rows

TUBE CLEANING BRUSHES

For deburring of O-Rings grooves and bores, for cleaning, smoothing and derusting.



GLG 160 mm - HLG 35 mm					
Ø	BLG	Combi-shaft	0,30 OSG	Combi-shaft	0,30 OSG
30	100	12 + M12	79077330	12,7 + 1/2 "	79077331
35	100	12 + M12	79077335	12,7 + 1/2 "	79077336
40	100	12 + M12	79077340	12,7 + 1/2 "	79077341
45	100	12 + M12	79077345	12,7 + 1/2 "	79077346

GLG 160 mm - HLG 35 mm					
Ø	BLG	Combi-shaft	0,40 OSG	Combi-shaft	0,40 OSG
50	100	12 + M12	79077350	12,7 + 1/2 "	79077351
55	100	12 + M12	79077355	12,7 + 1/2 "	79077356
60	100	12 + M12	79077360	12,7 + 1/2 "	79077361
65	100	12 + M12	79077365	12,7 + 1/2 "	79077366
70	100	12+ M12	79077370	12,7 + 1/2 "	79077371
75	100	12+ M12	79077375	12,7 + 1/2 "	79077376
80	100	12+ M12	79077380	12,7 + 1/2 "	79077381
85	100	12+ M12	79077385	12,7 + 1/2 "	79077386
90	100	12+ M12	79077390	12,7 + 1/2 "	79077391
95	100	12+ M12	79077395	12,7 + 1/2 "	79077396
100	100	12+ M12	79077310	12,7 + 1/2 "	79077311
105	100	12+ M12	79077315	12,7 + 1/2 "	79077316

INTERIOR BRUSHES - ALPHA

For cleaning, smoothing and derusting, also for deburring of O-rings grooves and bores.



GLG 125 mm - HLG 35 mm									
ANS									
Ø	BLG	BD*	Combi-shaft	Art-Nr.	Ø	BLG	BD*	Combi-shaft	Art-Nr.
2,0	25	0,25 K600	6 + M6	79079201	13	65	0,90 K180	6 + M6	79079901
2,5	25	0,25 K600	6 + M6	79079202	14	65	0,90 K180	6 + M6	79079902
3,0	25	0,25 K600	6 + M6	79079203	15	65	0,90 K180	6 + M6	79079903
3,5	25	0,25 K600	6 + M6	79079204	16	65	0,90 K180	6 + M6	79079904
4,0	25	0,25 K600	6 + M6	79079205	17	65	0,90 K180	6 + M6	79079905
4,5	25	0,25 K600	6 + M6	79079206	18	65	0,90 K180	6 + M6	79079906
5,0	25	0,25 K600	6 + M6	79079207	19	65	0,90 K180	6 + M6	79079907
5,5	25	0,25 K600	6 + M6	79079208	20	65	0,90 K180	10 + M10	79079908
6,0	25	0,25 K600	6 + M6	79079209	21	65	0,90 K180	10 + M10	79079909
6,5	65	0,25 K600	6 + M6	79079210	22	65	0,90 K180	10 + M10	79079910
7,0	65	0,55 K320	6 + M6	79079601	23	65	0,90 K180	10 + M10	79079911
7,5	65	0,55 K320	6 + M6	79079602	24	65	0,90 K180	10 + M10	79079912
8,0	65	0,55 K320	6 + M6	79079603	25	65	0,90 K180	10 + M10	79079913
8,5	65	0,55 K320	6 + M6	79079604	26	65	0,90 K180	10 + M10	79079914
9,0	65	0,55 K320	6 + M6	79079605	27	65	0,90 K180	10 + M10	79079915
9,5	65	0,55 K320	6 + M6	79079606	28	65	0,90 K180	10 + M10	79079916
10,0	65	0,55 K320	6 + M6	79079607	29	65	0,90 K180	10 + M10	79079917
10,5	65	0,55 K320	6 + M6	79079608	30	65	0,90 K180	10 + M10	79079918
11,0	65	0,55 K320	6 + M6	79079609	31	65	0,90 K180	10 + M10	79079919
11,5	65	0,55 K320	6 + M6	79079610	32	65	0,90 K180	10 + M10	79079920
12,0	65	0,55 K320	6 + M6	79079611	33	65	0,90 K180	10 + M10	79079921

Legend

ANS

OSG

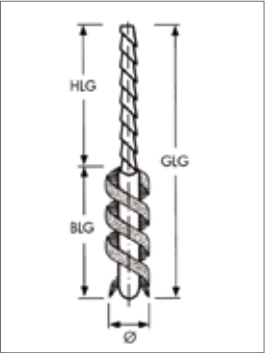
*BD

ANDERLON abrasive filaments
Steel wire, twist knot construction

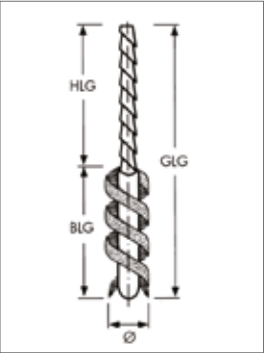
Fill diameter

INTERIOR BRUSHES - RECORD

For cleaning, smoothing and derusting, also for deburring of O-rings grooves and bores.



GLG 125 mm - HLG 35 mm									
INOX Crimped									
Ø	BLG	BD*	Combi-shaft	Art-Nr.	Ø	BLG	BD*	Combi-shaft	Art-Nr.
2,0	25	0,06	6 + M6	79072101	9,0	65	0,10	6 + M6	79072115
2,5	25	0,06	6 + M6	79072102	9,5	65	0,10	6 + M6	79072116
3,0	25	0,06	6 + M6	79072103	10,0	65	0,10	6 + M6	79072117
3,5	25	0,06	6 + M6	79072104	10,5	65	0,10	6 + M6	79072118
4,0	25	0,06	6 + M6	79072105	11,0	65	0,10	6 + M6	79072119
4,5	25	0,08	6 + M6	79072106	11,5	65	0,10	6 + M6	79072120
5,0	25	0,08	6 + M6	79072107	12,0	65	0,10	6 + M6	79072121
5,5	25	0,08	6 + M6	79072108	13,0	65	0,10	6 + M6	79072122
6,0	25	0,08	6 + M6	79072109	14,0	65	0,10	6 + M6	79072123
6,5	65	0,08	6 + M6	79072110	15,0	65	0,10	6 + M6	79072124
7,0	65	0,08	6 + M6	79072111	16,0	65	0,10	6 + M6	79072125
7,5	65	0,08	6 + M6	79072112	17,0	65	0,10	6 + M6	79072126
8,0	65	0,10	6 + M6	79072113	18,0	65	0,10	6 + M6	79072127
8,5	65	0,10	6 + M6	79072114	19,0	65	0,10	6 + M6	79072128
GLG 125 mm - HLG 35 mm									
INOX Crimped									
Ø	BLG	BD*	Combi-shaft	Art-Nr.	Ø	BLG	BD*	Combi-shaft	Art-Nr.
20	65	0,10	10 + M10	79072129	27	65	0,10	10 + M10	79072136
21	65	0,10	10 + M10	79072130	28	65	0,10	10 + M10	79072137
22	65	0,10	10 + M10	79072131	29	65	0,10	10 + M10	79072138
23	65	0,10	10 + M10	79072132	30	65	0,10	10 + M10	79072139
24	65	0,10	10 + M10	79072133	31	65	0,10	10 + M10	79072140
25	65	0,10	10 + M10	79072134	32	65	0,10	10 + M10	79072141
26	65	0,10	10 + M10	79072135	33	65	0,10	10 + M10	79072142



GLG 125 mm - HLG 35 mm									
SSD Crimped									
Ø	BLG	BD*	Combi-shaft	Art-Nr.	Ø	BLG	BD*	Combi-shaft	Art-Nr.
6,5	65	0,12	6 + M6	79078101	18,0	65	0,12	6 + M6	79078118
7,0	65	0,12	6 + M6	79078102	19,0	65	0,12	6 + M6	79078119
7,5	65	0,12	6 + M6	79078103	20,0	65	0,12	10 + M10	79078120
8,0	65	0,12	6 + M6	79078104	21,0	65	0,12	10 + M10	79078121
8,5	65	0,12	6 + M6	79078105	22,0	65	0,12	10 + M10	79078122
9,0	65	0,12	6 + M6	79078106	23,0	65	0,12	10 + M10	79078123
9,5	65	0,12	6 + M6	79078107	24,0	65	0,12	10 + M10	79078124
10,0	65	0,12	6 + M6	79078108	25,0	65	0,12	10 + M10	79078125
10,5	65	0,12	6 + M6	79078109	26,0	65	0,12	10 + M10	79078126
11,0	65	0,12	6 + M6	79078110	27,0	65	0,12	10 + M10	79078127
11,5	65	0,12	6 + M6	79078111	28,0	65	0,12	10 + M10	79078128
12,0	65	0,12	6 + M6	79078112	29,0	65	0,12	10 + M10	79078129
13,0	65	0,12	6 + M6	79078113	30,0	65	0,12	10 + M10	79078130
14,0	65	0,12	6 + M6	79078114	31,0	65	0,12	10 + M10	79078131
15,0	65	0,12	6 + M6	79078115	32,0	65	0,12	10 + M10	79078132
16,0	65	0,12	6 + M6	79078116	33,0	65	0,12	10 + M10	79078133
17,0	65	0,12	6 + M6	79078117					

Legend

INOX

SSD

*BD

Stainless steel wire

Stahldraht, hart und zäh, Crimped

Fill diameter



 **Kullen**

The World of Brush Technology



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