



# Xtreme

A NEW DIMENSION IN PERFORMANCE





## Finish First with Osborn

Osborn offers the best solutions for your mechanical surface treatment challenges. Our experts are highly trained to serve you with the optimum off-the-shelf or customised tools, when and where you need them. Unlike others, we help you optimise your process, meet the highest quality and safety requirements and reduce your costs.





## Xtreme - Welcome to a new dimension in performance.

Good things can be made even better. Especially when we look at quality and performance as the main drivers for outstanding products.

That's why Osborn today redefines performance. Developed to accomplish your tasks quicker, better and smarter while saving time and money - this is the new Osborn Xtreme product line and a new dimension in performance. Designed for demanding applications where good is just not good enough.

Experience our new xtreme cutting discs and brushes setting the new standard.



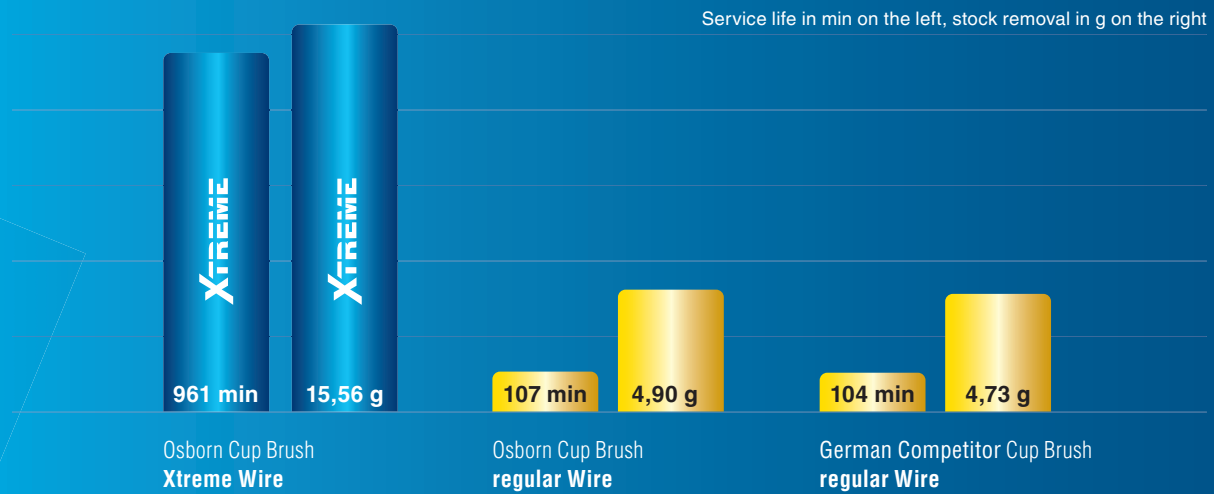
## An outstanding new wire. Xtreme wire.

The construction of the Xtreme wire is a composite of several individual wires, stranded together similar to a cable. The wire in conjunction with the circumferential speed of the brush achieves a high finishing dynamic when applied to the workpiece. At the same time each individual wire tip from the composite achieves a very good cleaning and deburring effect on the surfaces and edges of the workpiece. Xtreme wire can be found in two variants: Crimped or twist-knot. Brushes with Xtreme wire outperform conventional brushes by far:

- Lifetime is 5-8 times higher than brushes with conventional wire
- Higher stock removal rate
- Reduced wear
- Fewer change intervals - faster process times
- Low vibration, low noise
- Greatly reduced unbalance, more controlled handling
- Can be used effectively even at low speeds
- Also suitable for use in machining centres
- Geometrically demanding components can be deburred much better. The wire is very flexible and can easily adapt to the contour of the workpiece



## XTREME LIFETIME. XTREME STOCK REMOVAL.



## Suitable for industrial deburring.

Conventional power brushes are usually only effective on high-speed machines, such as angle grinders and high-speed drills. If they are used on CNC-controlled machines, they often only have a low removal rate and an extremely limited service life. Our new long-life Xtreme brushes are different. Due to their stable wire configuration, they can also be run on CNC-machines or machining centres in a controlled manner.

## Aggressive, yet soft.

Our Xtreme wire combines the aggressive cleaning performance of twist-knot wire brushes with the flexibility of soft, crimped wire. The result is unique and will leave a satin finish.



Xtreme wire

Regular wire





## Cup brushes, Xtreme Wire, crimped

**Xtreme ★ ★ ★ ★ ★**

Cup brush with crimped Xtreme wire with high-end quality for use on angle grinders

- Up to 8 times longer service life than conventional crimped wire cup brushes
- Highest removal rate in the segment
- Little to no wire breakage
- Low vibration, low noise
- Ergonomic, low contact pressure required
- Effective cleaning performance
- Ensures a unique satin finish
- Combines the aggressive cleaning performance of twist-knot brushes and the flexibility of soft crimped wire brushes

**Applications:** Cleaning, removal of paint, rust, slag, blue discolouration

Steel / Xtreme Wire / 0,30 mm					
Ø	T	G	RPM	PU	Order-Nr.
60	20	M14x2,0	12500	10	3902-613 161
75	25	M14x2,0	12500	10	3912-613 163
80	25	M14x2,0	12500	5	3902-613 163
100	22	M14x2,0	8500	4	3902-613 164

All dimensions in mm

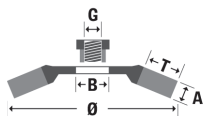
### Special shape

In contrast to the cup brush with classic crimped wire, the fitting of the Xtreme cup brush has a straight shape. While the conical shape is suitable for manually guided machines (point contact surface), the straight shape of the Xtreme cup brush is designed in particular for flat contact in order to deburr or clean components over a wide area. This is for example required when using the brush on stationary machines with a fixed drive.



Conventional cup brush vs. Xtreme cup brush





## Bevel brushes, Xtreme Wire, crimped

Xtreme ★ ★ ★ ★ ★

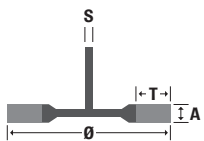
Crimped bevel brush with Xtreme wire with high-end quality for use on angle grinders

- Up to 8 times longer service life than conventional crimped wire brushes
- Flexible filament material, adjusts perfectly to the workpiece
- Combines the best properties of a cup brush with those of a wheel brush
- Processing of large surfaces and hard to reach areas
- Low vibration, low noise
- Ensures a unique satin finish

**Applications:** Derusting, paint stripping, deburring, removal of silicates

Steel / Xtreme Wire / 0,30 mm						
Ø	A	T	G	RPM	PU	Order-Nr.
100	10	20	M14x2,0	12500	10	3902-512 161

All dimensions in mm



## Wheel brushes, Xtreme Wire, crimped

Xtreme ★ ★ ★ ★ ★

Crimped wheel brush with Xtreme wire with high-end quality for use on drilling machines and high-speed drills

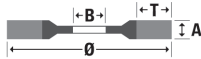
- Significantly increased service life
- Fine finish
- Low vibration, low noise
- The relatively small diameter enables machining of hard-to-reach places
- Adapts ideally to the workpiece

**Applications:** Rounding edges, machining holes, deburring, cleaning

Steel / Xtreme Wire / 0,30 mm						
Ø	A	T	S	RPM	PU	Order-Nr.
50	17	13	6	15.000	10	3902-504 162
70	18	15	6	15.000	10	3902-506 162

All dimensions in mm





## UNI-Master® Wheel brushes, Xtreme wire, crimped

Xtreme ★ ★ ★ ★ ★

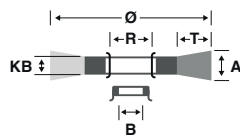
Wheel brushes with crimped Xtreme wire with high-end quality to be mounted on stationary machines

- Higher removal rate, aggressive removal of burrs
- High density and very flexible at the same time
- Can be mounted individually or assembled on a shaft
- Excellently suited for machining geometrically complex components as the brush adapts to the contour of the workpiece

**Applications:** Automated production processes for deburring of machined and sawn cutting edges and surfaces

Steel / Xtreme Wire / 0,30 mm							
Ø	A	T	B	Adapter	RPM	PU	Order-Nr.
250	26	60	50,8	4-M	3.600	2	3906-013 009
300	28	60	50,8	4-M	3.000	2	3906-013 021
380	32	72	50,8	4-M	2.400	2	3906-013 057

All dimensions in mm



## TE Wheel brushes, Xtreme wire, crimped

Xtreme ★ ★ ★ ★ ★

Wheel brushes with crimped Xtreme wire with high-end quality for use on table deburring machines and bench grinders

- Particularly high wire density
- Aggressive design
- High deburring performance and outstanding tool life
- Adjustable immersion depth - adapts to the contours of complex components
- Fast and effective deburring of inner and outer edges of pipe ends in a single step

**Applications:** For deburring the end faces of tubes, profiles and flat parts, edge deburring

Steel / Xtreme Wire / 0,30 mm								
Ø	A	KB	T	R	B	RPM	PU	Order-Nr.
250	60	55	53	100	50,8	3.600	1	3902-576 175

All dimensions in mm



## RUFTUF® End brushes, Xtreme wire, knotted

Xtreme ★ ★ ★ ★ ★

Ruftuf® End brushes with knotted Xtreme wire with high-end quality for use on high-speed machines

- Particularly flexible
- Increased service life and cleaning efficiency
- Finer surface finish
- The diameter of the brush changes with increasing working speed; the brush "flares" so that different bore diameters can be machined

**Applications:** For deburring and derusting and for weld seam processing. Particularly suitable for hard-to-reach areas or internal bores

Steel / Xtreme Wire / 0,30 mm							
Ø	T	L	S	Knots	RPM	PU	Order-Nr.
20	29	43	6	6	20.000	12	3906-030 304
23	29	43	6	8	20.000	12	3906-030 310
30	29	43	6	12	20.000	12	3906-030 316

All dimensions in mm

### Important:

The brushes flare when the machine is running (see picture). This allows the brush to reach hard-to-reach areas and can be used for different bore diameters.







[osborn.com](https://osborn.com)