




OSBORN ROUND BRUSHES

Quick cleaning | High-quality thread | TÜV-Süd certified

Osborn welding technique Matrix – product advice

Welding technique	Pollution type	Welding position / Application	Features		
MMA	Snail	Start seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
		Filling seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
		Cover seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
		Welding area 	Weld seam finishing		
	Splashes	Start seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
		Filling seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
		Cover seam 	Material removal, grinding		
		Welding area 	Material removal, grinding		
TIG/MIG/MAG	Silicates	Start seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
		Filling seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
		Cover seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
	Various	Welding area 	Weld seam finishing		
Stainless steel/Plasma	Blue discoloration	Start seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
		Filling seam 	tot 15 mm Wall thickness tot 30 mm Wall thickness		
		Cover seam 	Effective		
		Welding area 	Lightly glossy		
Hand cleaning	Various	Surface finishing 	Directed wire		
			Corrugated wire		
			Soft corrugated wire		

Depending on the welding method used, contaminants or non-metallic inclusions are formed on the surface of the weld seam. Non-metallic inclusions have a lower adhesive strength than the rest of the weld seam material. If the welded part is subsequently coated, defects in the coating or rust formation may occur at the location of the inclusions. Osborn has the suitable cleaning tools for every welding method or for every type of weld seam (root seams, full seams, top seams). Our welding matrix helps you choose the right tool for your application.

Snail

Splashes






Silicates

Blue discoloration



The most common contaminants in the welding process

Osborn Welding technique Matrix – product advice

Brush/disc	Osborn Art. No.	Product features	Material type	Thread
	0002-608 331	D 65 mm, twisted thread	Stainless steel wire	0,35 mm
	0002-608 351	D 65 mm, twisted thread	Stainless steel wire	0,50 mm
	9906-033 125	D 90 mm, twisted thread	Steel wire	0,50 mm
	9906-033 031	D 150 mm, twisted thread	Steel wire	0,50 mm
	0002-608 131	D 65 mm, twisted thread	Steel wire	0,35 mm
	0002-608 151	D 65 mm, twisted thread	Steel wire	0,50 mm
	0002-631 351	D 115 mm, twisted thread	Stainless steel wire	0,50 mm
	9502-626 651	D 125 mm, twisted thread	Stainless steel wire	0,50 mm
	2202-631 351	D 125 mm, twisted thread	Stainless steel wire	0,50 mm
	0002-641 351	D 150 mm, twisted thread	Stainless steel wire	0,50 mm
	0002-653 351	D 178 mm, twisted thread	Stainless steel wire	0,50 mm
	2008-631 151	D 115 mm, twisted thread	Steel wire	0,50 mm
	2118-631 151	D 125 mm, twisted thread	Steel wire	0,50 mm
	0002-631 151	D 115 mm, twisted thread	Steel wire	0,50 mm
	9502-626 501	D 115 mm, twisted thread	Steel wire	0,50 mm
	2202-631 151	D 125 mm, twisted thread	Steel wire	0,50 mm
	9502-626 251	D 125 mm, twisted thread	Steel wire	0,50 mm
	0002-641 151	D 150 mm, twisted thread	Steel wire	0,50 mm
	0002-653 151	D 178 mm, twisted thread	Steel wire	0,50 mm
	4306-026 904	D 230 mm, twisted thread	Steel wire	0,50 mm
	9502-664 151	D 230 mm, twisted thread	Steel wire	0,50 mm
	5402-921 873	D 115 mm, twisted thread	Steel wire	0,50 mm
	9812-921 873	D 125 mm, twisted thread	Steel wire	0,50 mm
	9812-921 875	D 178 mm, twisted thread	Steel wire	0,50 mm
	0008-462 291	Hand brush, red handle	Steel wire	0,30 mm
	0008-462 391	Hand brush, red handle, wavy	Stainless steel wire	0,30 mm
	0281-307 095	Wooden block brush, 5 rows	Steel wire	0,35 mm
	0003-162 333	Wooden hand brush, 3 rows	Stainless steel wire	0,35 mm
	0003-162 133	Wooden hand brush, 3 rows	Steel wire	0,35 mm
	0001-152 132	Wooden Steel Wire Brush, 2 rows	Steel wire	0,35 mm
	0001-152 133	Wooden Steel Wire Brush, 3 rows	Steel wire	0,35 mm
	0001-152 134	Wooden Steel Wire Brush, 4 rows	Steel wire	0,35 mm
	0001-152 135	Wooden Steel Wire Brush, 5 rows	Steel wire	0,35 mm
	0001-151 332	Wooden Steel Wire Brush, 2 rows	Stainless steel wire	0,35 mm
	0001-151 333	Wooden Steel Wire Brush, 3 rows	Stainless steel wire	0,35 mm
	0001-151 334	Wooden Steel Wire Brush, 4 rows	Stainless steel wire	0,35 mm
	0001-151 335	Wooden Steel Wire Brush, 5 rows	Stainless steel wire	0,35 mm
	0008-451 333	Plastic hand brush, wavy	Stainless steel wire	0,35 mm
	0008-451 334	Plastic hand brush, wavy	Stainless steel wire	0,35 mm
	0008-462 133	Plastic hand brush	Steel wire	0,35 mm
	0008-462 134	Plastic hand brush	Steel wire	0,35 mm

Brushes are non-mapping tools

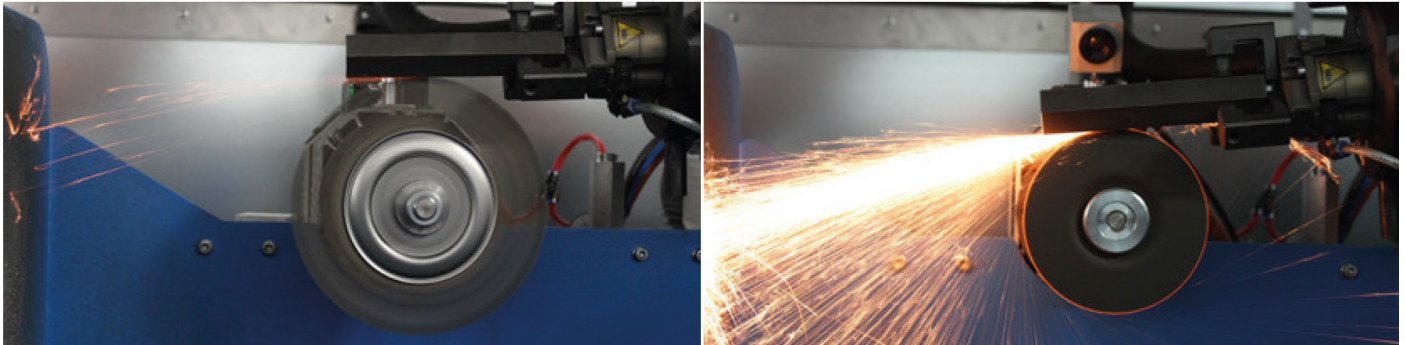
To remove contaminants, weld seams are often processed by machining. This means that non-contaminated parts of the weld seam are also removed. This can amount to up to 30% of the weld seam. In contrast to the commonly used grinding wheels, technical brushes are non-mapping. These brushes allow you to remove contaminants and embedded foreign material, while not affecting the existing structure of the weld seam.

Advantages of using technical brushes when cleaning weld seams:

- Brushes are non-mapping tools. These brushes allow you to remove contaminants and embedded foreign material, while not affecting the existing structure of the weld seam.
- Brushes generate 95% less sparks than grinding wheels
- Brushes produce on average 6-8 dB (A) less noise than grinding wheels (note: +/- 3 dB (A) corresponds to halving or doubling the noise pollution)

Osborn Lastechnik Matrix – productadvies

- Brushes develop very little heat during use
- Brushes have a significantly longer service life than grinding discs
- For more information, visit: <http://weldcleaning.osborn.com>



A brush (left) generates up to 95% less sparks than a grinding disc (right)

New: The best of both worlds

The “Longlife” wire filling combines the optimal performance of twisted wire with the material-friendly properties of corrugated wire and provides a finely polished surface.



New **LONGLIFE** wire material:

- Up to 5x less wire breakage and wear
- Material friendly and non-chipping
- Suitable for cleaning and removing rust
- Available with diameter 60, 75, 80, 100 and 125 mm
- With TÜV-Süd inspection (production monitored, construction checked)



You Tube You can find a YouTube video about LONGLIFE here:



<http://youtube/TXwjEKyvTko>



EXPERIENCE THE CONVENIENCE OF EVERYTHING UNDER ONE ROOF

At Lascentrum, you can find everything you need regarding products for welding and safety. Lascentrum has been established in 1988 and now imports a complete range of welding consumables, gouging electrodes, gas welding & cutting equipment, welding blankets, safety products and accessories.

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