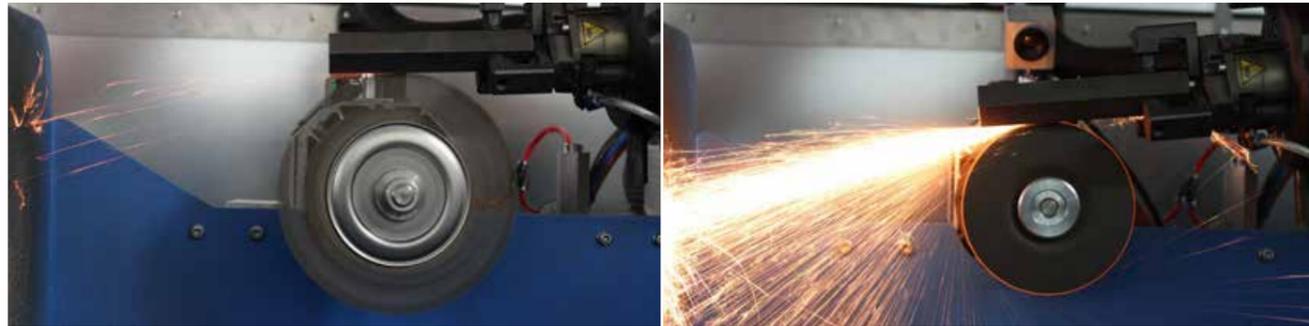


Brushes as non-stock removing solution providers

Machining is often necessary to remove debris from a welded surface. It is accepted that during this process non-contaminated and debris-free parts of the weld seam will also be removed. This is sometimes more than 30% of the material. Unlike grinding discs, technical brushes are non-stock removing tools. They can remove contamination and debris, leaving the rest of the welded surface intact.

The use of technical brushes for weld cleaning offers many advantages:

- Brushes are non-stock removing tools. They clean contamination and debris, leaving the original surface of the welded material intact.
- Brushes produce more than 95% fewer sparks than grinding discs.
- When compared to grinding tools, brushes are on average 6-8 dB (A) less noisy. A +/- 3 dB (A) increase (or decrease) means that the intensity of a sound is doubled (or halved).
- Brushes generate less heat during usage and therefore do not alter the molecular surface of the welded material.
- Brushes have a longer service-life than grinding tools.
- For more information please visit: <http://weldcleaning.osborn.com>



A brush (left) produces more than 95% fewer sparks than a grinding disc (right).

New: The Best of Both Worlds

Longlife filaments combine the high performance of a knotted cup brush with the material friendliness of a soft, crimped wire brush for a fine, satinised surface finish.



New **LOGLIFE** Filament:

- Min 5-times less wire breakage and wear through less flaring
- Material friendly and non-stock removing
- For cleaning and descaling jobs
- Available in D 60, 75, 80, 100 and 125 mm
- Safety-Certified by German TÜV-Süd (production monitored, type tested)



You Tube More information and a product video here:

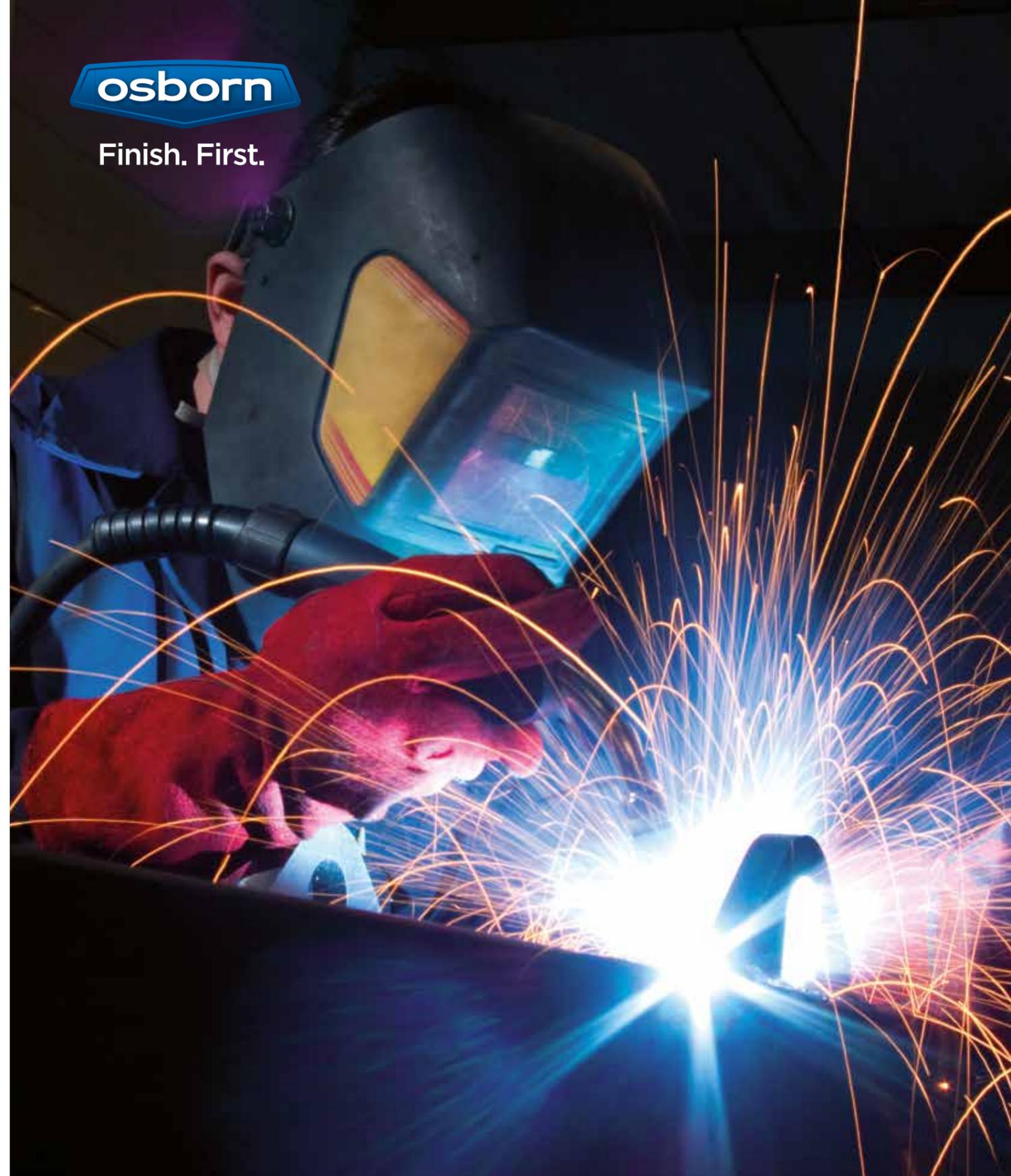


<http://youtu.be/TXwjEKyvTko>

Art.No. 6255332031
Printed 09/14. All items subject to change without notice.



Finish. First.

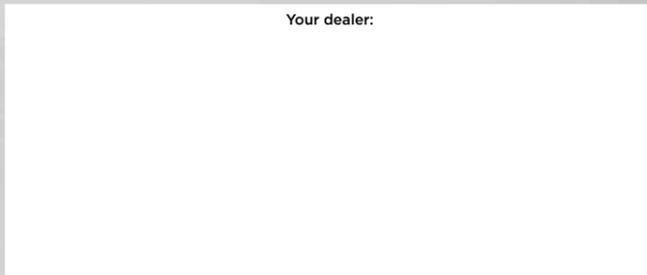


Finish. First.

Osborn International GmbH

Ringstrasse 10 • 35099 Burgwald • Germany • www.osborn.com

Your dealer:



Cleaning Solutions for
Industrial Distributors of Welding Equipment



Finish. First.

Osborn Welding Matrix - Product Recommendations

Depending on the welding method, contamination or other non-metallic debris can become embedded in the surface of the weld seam. Non-metallic debris may not adhere to the welding seam as well as other materials. If the welded component is subsequently coated, defects or corrosion may occur at this point. Independent of the welding method and the position of the layer (root, fill or cap), Osborn can supply the right cleaning tool. Please refer to our welding matrix to find the correct tool for every application.



Most common contaminations occurring in a welding process.

Welding Method	Debris Type	Weld Position / Application	Feature	Grinder Size	Brush / Disc Type	Osborn Item No.	Product Features	Material	Filament
MMA	slag	root	up to 15 mm wall thickness up to 30 mm wall thickness		model 125	9802-921 873	D 125x6 mm, PB knotted regular - longlife	steel wire	0.50 mm
		fill layer	up to 15 mm wall thickness up to 30 mm wall thickness		model 180	9802-921 875	D 178x6 mm, PB knotted regular - longlife	steel wire	0.50 mm
		cap layer	up to 15 mm wall thickness up to 30 mm wall thickness		model 125	9502-626 251	D 125x6 mm, knotted wire	steel wire	0.50 mm
		model 180	9906-026 051		D 178x6 mm, knotted wire	steel wire	0.50 mm		
	welding zone	weld preparation	model 125	1212-631 151	D 125x13 mm, clock/anti-clockwise	steel wire	0.50 mm		
	model 180	1202-653 151	D 178x13 mm, clock/anti-clockwise	steel wire	0.50 mm				
	spatter	root	up to 15 mm wall thickness up to 30 mm wall thickness		model 125	0002-608 151	D 65 mm, knotted wire	steel wire	0.50 mm
		model 180	0002-608 154		D 100 mm, knotted wire	steel wire	0.50 mm		
		fill layer	up to 15 mm wall thickness up to 30 mm wall thickness		model 125	4913-230 000	D 125x4 mm, depressed center		
		model 180	4943-230 000		D 180x4 mm, depressed center				
		cap layer	stock removal, grinding	model 125	4923-230 000	D 125x6 mm, depressed center			
		model 180	4933-230 000	D 180x6 mm, depressed center					
welding zone		stock removal, grinding	model 125	3703-003 124	D 125 mm, bevelled	Zirconium	grit 40		
model 180		3703-003 174	D 178 mm, bevelled	Zirconium	grit 40				
TIG/MIG/MAG	silicates	root	up to 15 mm wall thickness up to 30 mm wall thickness		model 125	4102-921 051	D 125x4 mm, crimped wire plastic bonded	steel wire	0.35 mm
		model 180	0002-921 875		D 178x4 mm, crimped wire plastic bonded	steel wire	0.35 mm		
		fill layer	up to 15 mm wall thickness up to 30 mm wall thickness		model 125	9502-626 311	D 125x6 mm, knotted wire	steel wire	0.35 mm
		model 180	4602-626131		D 178x6 mm, knotted wire	steel wire	0.35 mm		
	cap layer	up to 15 mm wall thickness up to 30 mm wall thickness	model 125	1212-631 131	D 125x13 mm, clock/anti-clockwise	steel wire	0.35 mm		
	model 180	1202-653 131	D 178x13 mm, clock/anti-clockwise	steel wire	0.35 mm				
	various	welding zone	weld preparation	model 125	3912-613 163	"Longlife" D 75 mm, corded wire	steel, corded	0.30 mm	
		model 180	3902-613 164	"Longlife" D 100 mm, corded wire	steel, corded	0.30 mm			
Stainless/Plasma	blue colour	root	up to 15 mm wall thickness up to 30 mm wall thickness		model 125	4602-626 331	D 125x6 mm, knotted wire	stainless wire	0.35 mm
		model 180	4612-626 331		D 178x6 mm, knotted wire	stainless wire	0.35 mm		
		fill layer	up to 15 mm wall thickness up to 30 mm wall thickness		model 125	2202-631 331	D 125x13 mm, knotted wire	stainless wire	0.35 mm
		model 180	0002-653 351		D 178x13 mm, knotted wire	stainless wire	0.50 mm		
	cap layer	heavy duty	model 125	0002-608 331	D 65 mm, knotted wire	stainless wire	0.35 mm		
	model 180	0002-608 354	D 100 mm, knotted wire	stainless wire	0.50 mm				
	welding zone	material sensitive	model 125	0002-613 362	D 75 mm, crimped wire	stainless wire	0.35 mm		
	model 180	0002-613 364	D 100 mm, crimped wire	stainless wire	0.35 mm				
Manual cleaning	various		hard wires, pointed			0003-162 133	Welder's hand brush, 3 rows pointed	steel wire	0.35 mm
			soft wires, crimped			0003-162 333	Welder's hand brush, 3 rows pointed	stainless wire	0.35 mm
			very soft wire, crimped			0008-462 291	All purpose hand brush, red handle	steel wire	0.30 mm
						0008-462 391	All purpose hand brush, green handle	stainless wire	0.30 mm
						0008-462 591	All purpose hand brush, yellow handle	brass wire	0.30 mm