Shipbuilding Industry

At Osborn, we provide not just high-quality tools, but also expert guidance and a commitment to helping you achieve optimal results. Osborn is a reliable partner for businesses seeking to improve their surface finishing, cleaning, and other industrial processes.

Customer Collaboration
Our experts are experienced in surface treatment solutions and finishing tools, ready to partner with customers on how best to achieve optimum results.

Wide Range of Products
We offer a wide range of products specific to metal finishing in marine and shipbuilding.

North American Manufacturing for Quality and Availability
Our manufacturing facilities across the United States and Mexico ensure the highest quality in the market.

Broadly Available Through Our Distributor Partners
Our complete product line is available and sold through our distribution partners.

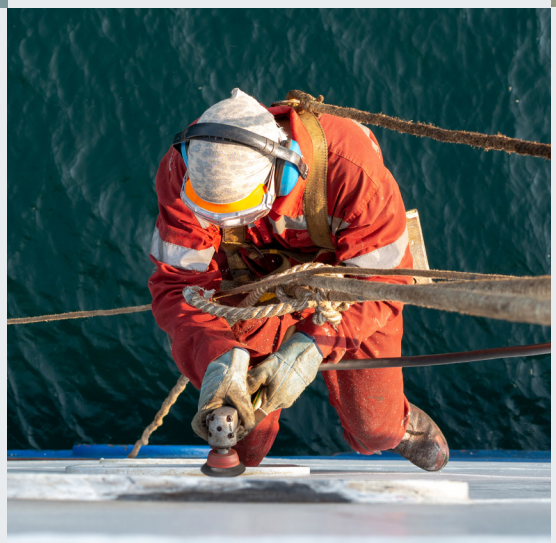
Shipbuilding Applications

Surface Preparation

Osborn brushes are highly effective for surface preparation tasks such as removing rust, scale, and contaminants from metal surfaces before painting, coating, or welding. Proper surface preparation ensures the adhesion of coatings and improves overall finish quality.

Weld Cleaning

Osborn brushes excel at cleaning weld seams, removing welding spatter, and smoothing out rough welds. This is essential for ensuring clean and uniform weld joints, which are critical for structural integrity in shipbuilding.



Deburring

Osborn brushes are ideal for deburring metal components after fabrication processes such as cutting, drilling, or milling. They remove sharp edges and burrs, creating smooth surfaces and enhancing the safety and functionality of fabricated parts.

Apply Coatings

Osborn brushes are reliable tools for applying coatings, paint, and varnishes in shipbuilding applications. Their versatility, durability, and ease of use make them indispensable for achieving high-quality finishes and protecting ship surfaces from the harsh marine environment.

Product Recommendations

Wheel Brushes

- Ideal for surface preparation: Shipbuilders rely on wheel brushes to efficiently eliminate rust, corrosion, and aged coatings.
- Essential for surface preparation and welding: Wheel brushes play a vital role in smoothing rough edges, cleansing weld seams, and ensuring consistent surface finishes. They significantly contribute to enhancing the overall quality and aesthetics of maritime surfaces.
- Osborn's patented design ensures superior longevity and performance, providing a lasting solution for diverse industrial applications.

Brush Diameter	Fill Diameter	Arbor Hole Diameter	Knot Count	Max RPM	Trim Length	Face Width	Fill Material	Osborn Item Number
Stringer Bead								
4	0.020	5/8-11	32	20,000	7/8	1/8	Steel	0002636900
4	0.020	5/8-11	30	20,000	7/8	1/4	Steel	00099082B0R
5	0.020	5/8-11	48	12,000	1	3/16	Steel	0002649500
6	0.020	5/8-11	48	12,000	1-1/2	3/16	Steel	0002603200
4	0.020	5/8-11	32	20,000	7/8	1/8	Stainless Steel	0002639900
4	0.020	5/8-11	30	20,000	7/8	5/16	Stainless Steel	00099088B0R
5	0.020	5/8-11	48	12,000	1	3/16	Stainless Steel	0002634400
6	0.020	5/8-11	48	12,000	1-1/2	3/16	Stainless Steel	0002611200
High Speed Small Grinder Cable Knot								
4	0.020	5/8-11	20	20,000	7/8	-	Steel	0002645500
4	0.020	5/8-11	20	20,000	7/8	-	Stainless Steel	0002646100
High Speed Small Grinder Knot Wire								
4	0.014	5/8-11	20	20,000	7/8	-	Steel	0002635900
4	0.020	5/8-11	20	20,000	7/8	-	Steel	0002639200
4	0.014	5/8-11	20	20,000	7/8	-	Stainless Steel	0002637600
4	0.020	5/8-11	20	20,000	7/8	-	Stainless Steel	0002638600

Cup Brushes

- Shipbuilders rely on cup brushes to meticulously clean and prepare surfaces, ensuring they are properly primed before applying protective coatings or undertaking welding tasks.
- These brushes excel at eliminating rust, corrosion, and aged coatings from a variety of metal surfaces, including steel plates, ship hulls, and equipment components.
- Cup brushes play a vital role in removing weld spatter, refining rough edges, and readying surfaces for welding, making them instrumental throughout the shipbuilding process.
- Their exceptional efficiency, durability, and adaptability solidify cup brushes as indispensable tools in ship construction.

Brush Diameter	Fill Diameter	Arbor Hole Diameter	Max RPM	Trim Length	Fill Material	Osborn Item Number
High Speed Small Grinder Knot Wire						
2-3/4	0.014	5/8-11	14,000	7/8	Steel	0003335900
2-3/4	0.014	5/8-11	14,000	7/8	Stainless Steel	0003336700
2-3/4	0.020	5/8-11	14,000	7/8	Steel	0003345900
2-3/4	0.020	5/8-11	14,000	7/8	Stainless Steel	0003346700
Knot Wire						
4	0.020	5/8-11	6,000	1	Steel	0003313300
4	0.020	5/8-11	6,000	1-1/4	Stainless Steel	0003313900
6	0.020	5/8-11	6,000	1-3/4	Steel	0003301500
6	0.020	5/8-11	6,000	1-3/4	Stainless Steel	0003304900

Product Recommendations

End Brushes

- Shipbuilders utilize end brushes to clean and prepare surfaces before welding, ensuring proper adhesion and joint integrity.
- Commonly employed for deburring metal surfaces, removing excess material, and achieving smooth edges on welded joints and metal components.
- End brushes are effective for removing rust, corrosion, and old coatings from hard-to-reach areas such as corners, crevices, and tight spaces on ship hulls, decks, and equipment.

Brush Diameter	Fill Diameter	Max RPM	Trim Length	Fill Material	Osborn Item Number
Knot Wire					
1	0.020	20,000	1	Steel	0003001800
1	0.014	20,000	1	Stainless Steel	0003044100
1	0.014	20,000	1	Stainless Steel	0003001700
1	0.006	20,000	1-1/8	Steel	0003001400
1	0.006	20,000	1-1/8	Stainless Steel	0003043800
3/4	0.014	22,000	1-1/8	Steel	0003001100
3/4	0.014	22,000	1-1/8	Stainless Steel	0003043500
3/4	0.020	22,000	1-1/8	Steel	0003001200
1/2	0.006	22,000	1-1/8	Steel	0003000200
1/2	0.006	22,000	1-1/8	Stainless Steel	0003042600
Crimped Wire					
1	0.020	22,000	1	Steel	0003006700
1	0.010	22,000	1	Stainless Steel	0003008500
1/2	0.006	25,000	1	Steel	0003005100
1/2	0.005	25,000	1	Stainless Steel	0003007100

Scratch Brushes

- Shipbuilders utilize these brushes to remove rust, corrosion, and old coatings from metal surfaces, ensuring optimal adhesion for subsequent treatments such as painting or welding.
- Scratch brushes are particularly effective in areas where other tools might struggle to reach, allowing for thorough cleaning and preparation of surfaces, including ship hulls, decks, and equipment components.
- Invaluable for preparing surfaces before welding, scratch brushes ensure proper bonding and structural integrity of welded joints.

Fill Diameter	Row Count	Trim Length	Overall Length	Fill Material	Osborn Item Number
Small Cleaning - Plastic Handle					
3/8	0.006	7/16	7-1/4	Stainless Steel	0008311100
Small Cleaning - Wood Handle					
0.008	1-7/16	7/16	7-3/4	Steel	0005404800
0.006	1-7/16	7/16	7-3/4	Stainless Steel	0005402200
Curved Handle					
0.014	3x19	1-1/8	13-11/16	Steel	0005401500
0.014	3x19	1-1/8	13-3/4	Steel	0008300100
0.012	3x19	1-1/8	13-11/16	Stainless Steel	0005401700
0.012	3x19	1-1/8	13-3/4	Stainless Steel	0008300700
Shoe Handle					
0.014	4x16	1-1/8	10	Steel	0005401800
0.014	4x16	1-1/8	10	Steel	0008300300
0.012	4x16	1-1/8	10	Stainless Steel	0005401900
0.012	4x16	1-1/8	10	Stainless Steel	0008300800
V-Groove Long Handle					
0.014	3x14	1-1/2	13-3/4	Steel	0005438700
0.012	3x14	1-1/2	13-3/4	Stainless Steel	0005438800

Product Recommendations

Chip Brushes

- Shipbuilders commonly use chip brushes for tasks such as applying primer, paint, varnish, or epoxy coatings to ship hulls, decks, and equipment components.
- Chip brushes offer great utility for use with most varnishes, paints, and stains.
- They are also valuable for applying sealants and adhesives to joints, seams, and surfaces.

Overall Width	Trim Length	Paintbrush Thickness	Handle Material	Osborn Item Number
		White Bristle		
1/2	1-1/2	1/4	Wood	0008601500
3	1-1/2	3/8	Wood	0008601900

We're more than just brushes.

Osborn boasts a vast portfolio catering to a multitude of needs. Whether it's industrial brushes, polishers, roller technology, sealing or idler rollers and rail solutions, you'll find it all at Osborn.

Polishing Buffs, Compounds and Abrasives | Brushing | Cam Followers | Sealing Solutions | Brush Rollers

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