



SUPER-FLEX® HOSE AND WIDE ENTRY NOZZLE OPTIONS



PART NUMBERS AND SCHEMATICS GUIDE

Company Profile

Since 1944, Marco has developed a strong tradition of providing innovative and reliable products and services to the surface preparation and protective coatings industries. We are the world's premier provider of Abrasives, Blasting Equipment, Coating Equipment, Engineered Systems, Rental Equipment, Safety Equipment, Service, and Repair.

Through innovative designs and a total commitment to quality, Marco manufactures products that increase production rates, create a safer workplace, and reduce maintenance costs. Marco's industry experience, manufacturing capabilities, legendary customer service, product availability, logistics services, and technology leadership is your assurance that we deliver high quality products and services, providing the best value to you, our customer.

The Marco Difference

- **Industry Experience** – With Marco on your team, you have access to expertise which can only come from decades of industry leadership. We have organized our engineering department, production specialists, customer operations, and safety support into a "Center of Competence." As a Marco customer, you have access to hundreds of years of cumulative experience related to your operations.
- **Manufacturing Excellence** – Marco is a U.S. based, ISO 9001:2008 certified manufacturer of equipment for the Surface Preparation and Protective Coatings industries. Marco's engineers benchmark the industry to ensure that we design and manufacture superior products that set the "Gold Standard" for performance, safety, and quality.
- **Legendary Customer Service** – Marco's legendary customer service team is staffed by friendly, highly-trained individuals who are focused on providing the highest level of product support, order accuracy, and customer satisfaction.
- **Product Availability** – We stock over 10,000 SKU's and have over 45 shipping locations to serve North American and International markets for all major brands of blasting and painting equipment. As the largest provider of surface preparation and protective coatings equipment in the world, our inventory levels and product availability are unmatched.
- **Logistics Services** – Marco's in-house logistics team is dedicated to moving your shipment anywhere in the world. We move over 14,000 truckloads every year, allowing you to save on freight costs by leveraging our buying power. Lower your process costs with a single invoice, which includes product and freight.
- **Technology Leadership** – Our website provides: Operator's Manuals, Part Numbers and Schematics Guides, MSDS information, and Features and Specifications Guides, providing access to information 24/7. Our Extranet application allows you to receive quotes and place orders online. Our Intranet maintains a complete record of your purchase history to assist with ongoing support of your existing equipment and future purchasing decisions.

Vision Statement

Marco is the world's premier provider of Abrasives, Blasting Equipment, Coating Equipment, Engineered Systems, Rental Equipment, Safety Equipment, Service, and Repair.

Mission Statement

Marco provides strong leadership and innovation to the surface preparation and protective coatings industries. We dedicate our efforts to the continuous improvement of our products, services, processes, people, and most importantly, the quality of our customer's experience.

Quality Statement

Marco is committed to providing superior quality in the design, manufacturing, distribution, rental, service, and repair of our products. Our ISO 9001:2008 certification extends throughout all operations in all locations. Continuous improvement of our processes and supply chain Integration comprise the core of our business strategy for delivering exceptional quality and value in all Marco products and services.

Management Philosophy

We are a company dedicated to the success of every customer and associate. We discuss, debate, challenge, measure, and test our ideas. We will be boundless and limitless in our passion to improve. Through sound leadership and dedicated associates, we will ensure a long term, profitable future for Marco, our associates, customers, and suppliers.

TABLE OF CONTENTS

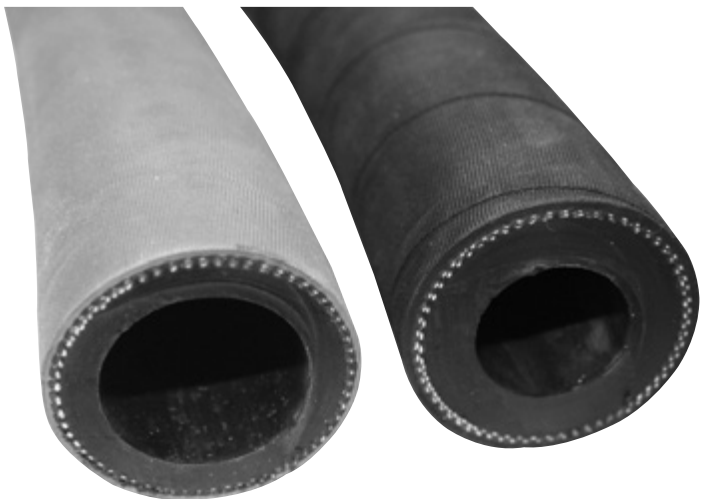
| | |
|---|-------------|
| Company Profile | 2 |
| Table of Contents | 3 |
| Super-Flex® Wide Entry Production Enhancement | 4-11 |
| Product Benefits | 4 |
| Blastmaster® 1-1/4" I.D. Super-Flex® Abrasive Blasting Hose | 5-6 |
| Air & Abrasive Consumption Chart | 7 |
| Blastmaster® Silicon Carbide All Poly Nozzles | 8 |
| Blastmaster® Tungsten Carbide Brass Poly Nozzles | 9 |
| Blastmaster® Tungsten Carbide All Poly Nozzles | 10 |
| Silver Tip Nozzles | 11 |

PRODUCT BENEFITS

Increase Production Rates Up to 15%

A 15% production increase can be achieved by maintaining a consistent 1-1/4" I.D. abrasive path from the Blast Pot to the Blast Nozzle.

A 1-1/4" Wide-Entry Abrasive Blasting Nozzle features a 25% larger entry port than a 1" entry nozzle, allowing abrasive to smoothly flow from the blast hose into the blast nozzle without restrictions.



1-1/4" I.D. Super-Flex®
Abrasive Blasting Hose

1" I.D.
Abrasive Blasting Hose

Blastmaster® Super-Flex® Abrasive Blasting Hose has a 1-1/4" inner diameter with an outer diameter of 1-7/8". This hose construction provides greater flexibility and reduced weight to reduce operator fatigue and increase production rates.

Using 1-1/4" I.D. Blastmaster® Super-Flex® Abrasive Blasting Hose with a 1-1/4" Wide-Entry Abrasive Blasting Nozzle maintains a consistent path for the air and abrasive mixture into the abrasive blasting nozzle. Eliminating restrictions reduces turbulence and particle rebound at the nozzle entry, providing maximum abrasive velocity and production rates.

BLASTMASTER® 1-1/4" I.D. SUPER-FLEX® ABRASIVE BLASTING HOSE

| 1-1/4" I.D. X 1-7/8 O.D. SUPER-FLEX® ABRASIVE BLASTING HOSE | | | | | |
|--|----------------------|------------------|-----------------|--------------------|--------------|
| Part Numbers | Fabric Reinforcement | Working Pressure | Liner Thickness | Hose Layline Color | Length (Ft.) |
| | 2-Ply | | 1/4" | Tan | |
| 10SH1142R | X | 175 PSI | X | X | Per Foot |
| 10SH114 | X | 175 PSI | X | X | 50 |
| 10SH1141 | X | 175 PSI | X | X | 100 |
| 10SH1144 | X | 175 PSI | X | X | 400 |

| 1-1/4" I.D. X 1-7/8" O.D. SUPER-FLEX® ABRASIVE BLASTING HOSE WITH COUPLING AND NOZZLE HOLDER INSTALLED | | | | | | | | | | | | | |
|---|----------------------|------------------|-----------------|--------------------|--------------|-------------|-------|------|-------|-------|---------------|--------|--------|
| Part Numbers | Fabric Reinforcement | Working Pressure | Liner Thickness | Hose Layline Color | Length (Ft.) | Coupling(s) | | | | | Nozzle Holder | | |
| | 2-Ply | | 1/4" | Tan | | Aluminum | Brass | Iron | Nylon | Steel | Aluminum | Brass | Nylon |
| 1081204 | X | 175 PSI | X | X | 10 | X | | | | | 1-1/4" | | |
| 1081206 | X | 175 PSI | X | X | 10 | | X | | | | | 1-1/4" | |
| 1081207 | X | 175 PSI | X | X | 12.5 | X | | | | | 1-1/4" | | |
| 1081208 | X | 175 PSI | X | X | 12.5 | | X | | | | | 1-1/4" | |
| 1081221 | X | 175 PSI | X | X | 50 | X | | | | | 1-1/4" | | |
| 1081229 | X | 175 PSI | X | X | 50 | | | | X | | | | 1-1/4" |
| 1081213 | X | 175 PSI | X | X | 50 | | | | X | | | | 50MM |

BLASTMASTER® 1-1/4" I.D. SUPER-FLEX® ABRASIVE BLASTING HOSE

NOZZLE HOLDERS FOR 1-7/8" O.D. ABRASIVE BLASTING HOSE

| Part Numbers | Material | Thread Style | Nozzle Washer | |
|--------------|----------|--------------|---------------|--|
| | | | | |
| 10NHA2 | Aluminum | 1-1/4" | 10NW | |
| 10NHA250 | Aluminum | 50MM | — | |
| 10NHB2 | Brass | 1-1/4" | 10NW | |
| 10NHB250 | Brass | 50MM | 10NW50 | |
| 10NHN2 | Nylon | 1-1/4" | 10NW | |
| 10NHN250 | Nylon | 50MM | 10NW50 | |

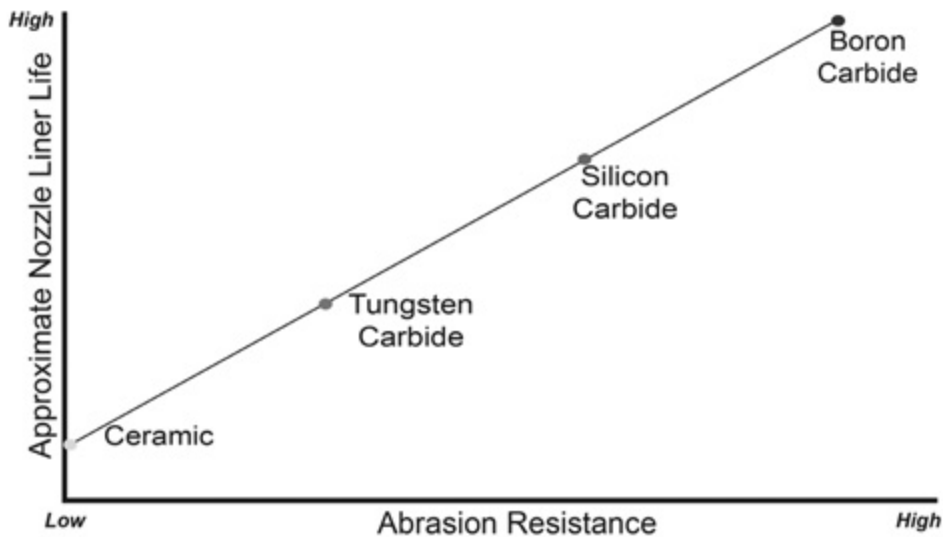
COUPLINGS FOR 1-7/8" O.D. ABRASIVE BLASTING HOSE

| Part Numbers | Material | Lugs | GASKET OPTIONS | | |
|--------------|----------|-----------|----------------|----------|-------------|
| | | | Rubber | Urethane | Gasket I.D. |
| | | | | | |
| 10QAL2 | Aluminum | Two | 10SBG | 10USBG | 1-1/4" |
| 10QAL2X | Aluminum | Oversized | 10SBG2 | — | 1-3/4" |
| 10QBR2 | Brass | Two | 10SBG | 10USBG | 1-1/4" |
| 10QBR2X | Brass | Oversized | 10SBG2 | — | 1-3/4" |
| 10QIR2 | Iron | Two | 10SBG | 10USBG | 1-1/4" |
| 10QNY2 | Nylon | Two | 10SBGNY2 | — | 1-1/4" |

AIR & ABRASIVE CONSUMPTION CHART

| NOZZLE ORIFICE | PRESSURE AT THE NOZZLE (PSI) | | | | | | | | AIR IN CFM ABRASIVE & HP REQUIREMENTS |
|------------------|------------------------------|------|------|-------|------|-------|------|------|---|
| | 50 | 60 | 70 | 80 | 90 | 100 | 125 | 140 | |
| No. 5 (5/16") | 77 | 89 | 101 | 113 | 126 | 137 | 168 | 188 | AIR (CFM) |
| | 468 | 534 | 604 | 672 | 740 | 812 | 982 | 1100 | ABRASIVES (LBS./HR.) |
| | 18 | 20 | 23 | 26 | 28 | 31 | 37 | 41 | COMPRESSOR (HP) |
| No. 6 (3/8") | 108 | 126 | 143 | 161 | 173 | 196 | 237 | 265 | AIR (CFM) |
| | 668 | 764 | 864 | 960 | 1052 | 1152 | 1393 | 1560 | ABRASIVES (LBS./HR.) |
| | 24 | 28 | 32 | 36 | 39 | 44 | 52 | 58 | COMPRESSOR (HP) |
| No. 7 (7/16") | 147 | 170 | 194 | 217 | 240 | 254 | 314 | 352 | AIR (CFM) |
| | 896 | 1032 | 1176 | 1312 | 1448 | 1584 | 1931 | 2163 | ABRASIVES (LBS./HR.) |
| | 33 | 38 | 44 | 49 | 54 | 57 | 69 | 77 | COMPRESSOR (HP) |
| No. 8 (1/2") | 195 | 224 | 252 | 280 | 309 | 338 | 409 | 458 | AIR (CFM) |
| | 1160 | 1336 | 1512 | 1680 | 1856 | 2024 | 2459 | 2754 | ABRASIVES (LBS./HR.) |
| | 44 | 50 | 56 | 63 | 69 | 75 | 90 | 101 | COMPRESSOR (HP) |
| No. 10 (5/8") | 308 | 356 | 404 | 452 | 504 | 548 | 663 | 742 | AIR (CFM) |
| | 1875 | 2140 | 2422 | 2690 | 2973 | 3250 | 3932 | 4405 | ABRASIVES (LBS./HR.) |
| | 65.8 | 79.5 | 90 | 100.5 | 112 | 122 | 146 | 165 | COMPRESSOR (HP) |
| No. 12 (3/4") | 432 | 504 | 572 | 644 | 692 | 784 | 948 | 1062 | AIR (CFM) |
| | 2672 | 2056 | 3456 | 3840 | 4208 | 4608 | 5570 | 6238 | ABRASIVES (LBS./HR.) |
| | 96 | 112 | 127 | 143 | 154 | 174.5 | 209 | 236 | COMPRESSOR (HP) |

Nozzle Liner Abrasion Resistance



BLASTMASTER® SILICON CARBIDE ALL POLY NOZZLES

BLASTMASTER® SILICON CARBIDE ALL POLY NOZZLES

| Part Numbers | Size | Orifice Size | Nozzle Entry | Thread Size | Overall Length | Jacket Material | Thread Material | Liner Material | Nozzle Type |
|--------------|------|--------------|--------------|-------------|----------------|-----------------|-----------------|-----------------|--------------|
| 10SN550UN | 5 | 5/16" | 1-1/4" | 50MM | 6" | Polyurethane | Polyurethane | Silicon Carbide | Long Venturi |
| 10SN650UN | 6 | 3/8" | 1-1/4" | 50MM | 7" | Polyurethane | Polyurethane | Silicon Carbide | Long Venturi |
| 10SN750UN | 7 | 7/16" | 1-1/4" | 50MM | 8" | Polyurethane | Polyurethane | Silicon Carbide | Long Venturi |
| 10SN850UN | 8 | 1/2" | 1-1/4" | 50MM | 9" | Polyurethane | Polyurethane | Silicon Carbide | Long Venturi |



BLASTMASTER® TUNGSTEN CARBIDE BRASS POLY NOZZLES

BLASTMASTER® TUNGSTEN CARBIDE BRASS POLY NOZZLES

| Part Numbers | Size | Orifice Size | Nozzle Entry | Thread Size | Overall Length | Jacket Material | Thread Material | Liner Material | Nozzle Type |
|--------------|------|--------------|--------------|-------------|----------------|-----------------|-----------------|------------------|--------------|
| 10TCW5BP | 5 | 5/16" | 1-1/4" | 1-1/4" | 5-3/4" | Polyurethane | Brass | Tungsten Carbide | Long Venturi |
| 10TCW6BP | 6 | 3/8" | 1-1/4" | 1-1/4" | 6-3/4" | Polyurethane | Brass | Tungsten Carbide | Long Venturi |
| 10TCW7BP | 7 | 7/16" | 1-1/4" | 1-1/4" | 8" | Polyurethane | Brass | Tungsten Carbide | Long Venturi |
| 10TCW8BP | 8 | 1/2" | 1-1/4" | 1-1/4" | 9" | Polyurethane | Brass | Tungsten Carbide | Long Venturi |



BLASTMASTER® TUNGSTEN CARBIDE LINER WITH POLYURETHANE JACKET NOZZLES

BLASTMASTER® TUNGSTEN CARBIDE ALL POLY NOZZLES

| Part Numbers | Size | Orifice Size | Nozzle Entry | Thread Size | Overall Length | Jacket Material | Thread Material | Liner Material | Nozzle Type |
|---------------------|-------------|---------------------|---------------------|--------------------|-----------------------|------------------------|------------------------|-----------------------|--------------------|
| 10TCW550UN | 5 | 5/16" | 1-1/4" | 50MM | 5-3/4" | Polyurethane | Polyurethane | Tungsten Carbide | Long Venturi |
| 10TCW650UN | 6 | 3/8" | 1-1/4" | 50MM | 6-3/4" | Polyurethane | Polyurethane | Tungsten Carbide | Long Venturi |
| 10TCW750UN | 7 | 7/16" | 1-1/4" | 50MM | 8" | Polyurethane | Polyurethane | Tungsten Carbide | Long Venturi |
| 10TCW850UN | 8 | 1/2" | 1-1/4" | 50MM | 9" | Polyurethane | Polyurethane | Tungsten Carbide | Long Venturi |



SILVER TIP NOZZLES

| SILVER TIP NOZZLES | | | | | | | | | |
|--------------------|------|--------------|--------------|-------------|----------------|-----------------|-----------------|------------------|--------------|
| Part Numbers | Size | Orifice Size | Nozzle Entry | Thread Size | Overall Length | Jacket Material | Thread Material | Liner Material | Nozzle Type |
| 10TCW750AN | 7 | 7/16" | 1-1/4" | 50MM | 8" | Aluminum | Aluminum | Tungsten Carbide | Long Venturi |
| 10TCW850AN | 8 | 1/2" | 1-1/4" | 50MM | 9" | Aluminum | Aluminum | Tungsten Carbide | Long Venturi |
| 10TCW1050AN | 10 | 5/8" | 1-1/4" | 50MM | 9" | Aluminum | Aluminum | Tungsten Carbide | Long Venturi |
| 10TCW1250AN | 12 | 3/4" | 1-1/4" | 50MM | 9" | Aluminum | Aluminum | Tungsten Carbide | Long Venturi |



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