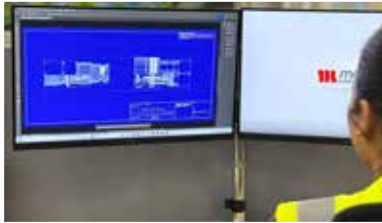




# WATER CLEANING & BLASTING PRODUCT CATALOGUE 2025



***“Manuli Hydraulics is focused on achieving excellence in the design, manufacture, and supply of fluid conveyance solutions, components and associated equipment for high pressure hydraulics, industrial material conveyance, refrigeration and cooling applications.”***



Our experienced Research & Development team take 2D drawings to 3D models to real life products.



Our world-class hoses, fittings and assembly equipment are manufactured in-house to the highest standards.



We test and validate our products to meet and exceed technical industry standards.



We provide the complete solution: hoses, fittings, crimping parameters and assembly equipment for a fully integrated system.



We supply fluid conveyance solutions directly to our customers whenever and wherever they are.

From design to manufacture, and assembly, Manuli Hydraulics' continual commitment to this unified philosophy makes us a global leader in providing integrated solutions for fluid and material transfer connector applications including hydraulics, refrigeration & air conditioning, oil & gas, water and industrial low-pressure.

Manuli Hydraulics offer a complete range of hoses, fittings and assembly equipment which are purposely designed to work seamlessly together. This harmonized approach allows us to guarantee the quality and performance of our hose assemblies.

Every metre of hose and every single fitting is backed by industry knowledge and experience, made available to you through our dedicated team of application engineers.

From advice on component selection and configuration, our technical expertise allows us to support and work directly with our customers whenever and wherever they are based.

The Water Cleaning & Blasting hose range offered by Manuli Hydraulics can be applied to both hobby and professional water cleaning machines with both hot and cold water (not suitable for vapour steam applications).

The Water Cleaning & Blasting hose range is designed for maximum robustness and ease of handling. The hose range meets safety norm IEC-2 with a safety factor (burst / working pressure) of 4:1.

### INTEGRATED SOLUTIONS

Manuli hydraulics offers a dedicated selection of water cleaning & blasting fitting solutions, each designed to work seamlessly with our pressure washer and water blasting hoses.

Given the importance of safety and performance when connected with any blasting application, the complete and dedicated fittings range has safety factor (burst / working pressure) of 2,5:1 is compliant with international specifications (AS/NZ 4233.2, RMA-USA, ISO7751, BFPA-UK, EN 1829-2).



**SAFETY GUIDE: DON'T MIX AND MATCH**

Manuli hose and fittings products must be assembled in strict accordance with Manul instructions and limitations. Don't mix and match: always use Manul original couplings and hoses. Manul hose, couplings and assembling machines are tested as an effective and reliable system. The use of different products and machines will affect and nullify any representation and/or warranty on products, their features and/or performance that may have been provided, and may cause premature hose failures, property damage, serious injury or death for which Manul does not assume any responsibility and/or liability at any title whatsoever. Inside our Manuli Crimp App, you can find the only official technical crimping parameters relating to our products and/or services. Therefore, please be sure to download the latest version of our App.

MANULI MAKES NO REPRESENTATIONS AND/OR WARRANTIES, EXPRESS OR IMPLIED, AND ASSUMES NO RESPONSIBILITY AND/OR LIABILITY FOR ANY LOSS OR DAMAGE, WHETHER DIRECT, INDIRECT, CONSEQUENTIAL OR INCIDENTAL WHICH MIGHT ARISE OUT FROM, OR IN CONNECTION WITH, IMPROPER AND/OR INCORRECT USE OF ITS PRODUCTS AND/OR ASSEMBLY EQUIPMENT OR FROM ANY USE OF CRIMPED HOSE ASSEMBLIES NOT PRODUCED FROM GENUINE RYCO HOSE FITTINGS, HOSE AND EQUIPMENT, AND, IN GENERAL, NOT IN ACCORDANCE WITH OUR PROCESS SPECIFICATIONS FOR EACH SPECIFIC PRODUCT AND/OR ASSEMBLY EQUIPMENT.

**DISCLAIMER**

We reserve the right to modify or discontinue any product and/or related service described in this documentation without notice. No product is warranted as being fit for a particular purpose and we do not assume any liability in connection with the use of our products other than those technically approved by us for specific products. This document supersedes all previous versions and previously issued documentation.

For more information, please contact us at via our dedicated Contact Form: [www.manuli-hydraulics.com/contact](http://www.manuli-hydraulics.com/contact)

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| RANGE             | HOSE             | HOSE STRUCTURE           | KEY PERFORMANCE                                                                                                                                                                                                           | PAGE    |
|-------------------|------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| WATER<br>BLASTING | GOLDENBLAST      | Wire spiral              | Safe waterblast technology                                                                                                                                                                                                | 9       |
|                   | GOLDENBLAST/PLUS | Wire spiral              |                                                                                                                                                                                                                           | 10      |
|                   | GOLDENBLAST/SIX  | Wire spiral              |                                                                                                                                                                                                                           | 11      |
| WATER<br>CLEANING | ISOJET/28        | High Tensile Steel Braid | Water-cleaning equipment, ideal for hobby and semiprofessional machines.<br><br>Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion | 12 - 14 |
|                   | ISOJET/28 PLUS   | High Tensile Steel Braid |                                                                                                                                                                                                                           | 15 - 16 |
|                   | ISOJET/42        | High Tensile Steel Braid |                                                                                                                                                                                                                           | 17 - 19 |
|                   | ISOJET/42 PLUS   | High Tensile Steel Braid |                                                                                                                                                                                                                           | 20 - 21 |

## GUIDE TO SELECT MANULI HOSE BY WORKING PRESSURE

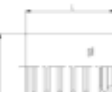
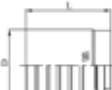
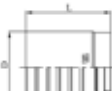
| HOSE SIZE        | WORKING PRESSURE (bar) |     |     |     |      |      |     |      |     |
|------------------|------------------------|-----|-----|-----|------|------|-----|------|-----|
|                  | DN                     | 5   | 6   | 8   | 10   | 12   | 16  | 19   | 25  |
|                  | DASH                   | -3  | -4  | -   | -6   | -8   | -10 | -12  | -16 |
| GOLDENBLAST      |                        |     |     |     | 750  | 750  |     |      |     |
| GOLDENBLAST/PLUS |                        |     |     |     | 1250 | 1100 |     | 1000 | 700 |
| GOLDENBLAST/SIX  |                        |     |     |     |      | 1450 |     | 1350 |     |
| ISOJET/28        |                        | 280 | 280 | 280 | 280  |      |     |      |     |
| ISOJET/28 PLUS   |                        | 280 | 280 | 280 | 280  |      |     |      |     |
| ISOJET/42        |                        | 420 | 420 | 420 | 420  |      |     |      |     |
| ISOJET/42 PLUS   |                        | 420 | 420 | 420 | 420  |      |     |      |     |

Safety factor  
burst/working  
pressure 2,5:1

Safety factor  
burst/working  
pressure 3:1

## WATER CLEANING

### MF2000® MULTIFIT TYPE FERRULE

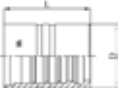
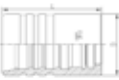
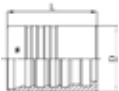
| APPEARANCE                                                                         | CODE   | DESCRIPTION                                   | PAGE |
|------------------------------------------------------------------------------------|--------|-----------------------------------------------|------|
|   | M00120 | SKIVE FERRULE FOR WIRE BRAID HOSES            | 23   |
|   | M00910 | SKIVE FERRULE FOR WIRE BRAID AND SPIRAL HOSES | 23   |
|   | M03300 | NO-SKIVE FERRULE FOR WIRE BRAID HOSES         | 23   |
|   | M03400 | NO-SKIVE FERRULE FOR WIRE BRAID HOSES         | 24   |
|  | M03450 | NO-SKIVE FERRULE FOR WIRE BRAID HOSES         | 24   |

### MF2000® MULTIFIT TYPE INSERT

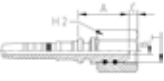
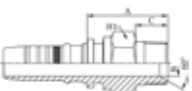
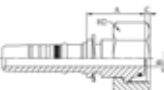
| APPEARANCE                                                                          | CODE   | DESCRIPTION         | PAGE |
|-------------------------------------------------------------------------------------|--------|---------------------|------|
|  | M24913 | WASH CLEANER FEMALE | 24   |

## WATER BLASTING

### MF2000<sup>®</sup> BLASTLOCK TYPE FERRULE

| APPEARANCE                                                                        | CODE   | DESCRIPTION                                              | PAGE |
|-----------------------------------------------------------------------------------|--------|----------------------------------------------------------|------|
|  | M01500 | DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES (4 PLY) | 25   |
|  | M01700 | DOUBLE SKIVE FERRULE FOR HEAVY DUTY SPIRAL HOSES (4 PLY) | 25   |
|  | M01800 | DOUBLE SKIVE FERRULE FOR EXTRA DUTY SPIRAL HOSES (6 PLY) | 25   |

### MF2000<sup>®</sup> BLASTLOCK TYPE INSERT

| APPEARANCE                                                                          | CODE   | DESCRIPTION                                                                    | PAGE |
|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------|------|
|  | M65514 | BSP FEMALE 50° CONE - BS5200/ISO 8434-6                                        | 26   |
|  | M57810 | NPTF MALE 60° CONE SEAT - SAE J516/J514                                        | 26   |
|  | M66613 | METRIC O-RING FEMALE 24° CONE HEAVY DUTY - DIN 20066/ISO 12151-2 (SLIP-ON NUT) | 26   |

HOSES



# GOLDENBLAST

SAFE WATERBLAST TECHNOLOGY



|  |    |  |      |  |      |  |      |  |        |  |        |  |      |  |       |  |       |
|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| PART REF.                                                                         |    | HOSE                                                                              |      | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |        | BURST                                                                             |        | MIN. BEND                                                                          |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN | dash                                                                              | inch | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi    | bar                                                                               | psi    | mm                                                                                 | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H10072010                                                                         | 10 | -6                                                                                | 3/8" | 17.6                                                                              | 0.69 | 20.2                                                                              | 0.80 | 750                                                                               | 10,870 | 1,875                                                                             | 27,190 | 180                                                                                | 7.09 | 756                                                                                 | 0.51  | BL+M01700-06                                                                        |       |
| H10072A12                                                                         | 12 | -8                                                                                | 1/2" | 20.4                                                                              | 0.80 | 23.0                                                                              | 0.91 | 750                                                                               | 10,870 | 1,875                                                                             | 27,190 | 220                                                                                | 8.66 | 905                                                                                 | 0.61  | BL+M01700-08                                                                        |       |

## KEY FEATURES

- Basic hose line for scale removing applications
- Compactness, lightness and flexibility
- Safety factor 2,5:1 (accepted world standard as specified by RMA-USA, BFPA-UK, DIN-Germany, ISO 7751)
- High abrasion resistant cover

## APPLICATIONS & FLUIDS

- Waterblasting, scale removing applications using extreme high working pressures:
- Building and industrial sectors (roadworks, removal of concrete from reinforced concrete structures safeguarding metal components);
- Scale removal ships hulls in shipyard;
- Dust elimination
- Water, water soap, emulsions

## CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

70 °C, 158 °F

## TUBE

Water resistant synthetic rubber

## REINFORCEMENT

Four high tensile steel spirals

## COVER

Synthetic rubber with high temperature, ozone and abrasion resistance

## APPLICABLE SPECS

Manuli® Design, Australian Std. AS/NZS 4233.2

## TYPE APPROVALS

CU-TR; MSHA

# GOLDENBLAST/PLUS

SAFE WATERBLAST TECHNOLOGY



|  |    |  |      |  |      |  |      |  |        |  |        |  |      |  |       |  |       |
|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| PART REF.                                                                         |    | HOSE                                                                              |      | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |        | BURST                                                                             |        | MIN. BEND                                                                         |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN | dash                                                                              | inch | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi    | bar                                                                               | psi    | mm                                                                                | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H10066010                                                                         | 10 | -6                                                                                | 3/8" | 17.4                                                                              | 0.69 | 20.0                                                                              | 0.79 | 1,250                                                                             | 18,120 | 3,125                                                                             | 45,320 | 230                                                                               | 9.06 | 800                                                                                 | 0.54  | BL+M01700-06                                                                        |       |
| H10066A12                                                                         | 12 | -8                                                                                | 1/2" | 21.5                                                                              | 0.85 | 24.1                                                                              | 0.95 | 1,100                                                                             | 15,950 | 2,750                                                                             | 39,880 | 230                                                                               | 9.06 | 1,110                                                                               | 0.75  | BL+M01700-08                                                                        |       |
| H10066019                                                                         | 19 | -12                                                                               | 3/4" | 29.0                                                                              | 1.14 | 32.0                                                                              | 1.26 | 1,000                                                                             | 14,500 | 2,500                                                                             | 36,250 | 250                                                                               | 9.84 | 1,730                                                                               | 1.16  | BL+M01700-12                                                                        |       |
| H10066025                                                                         | 25 | -16                                                                               | 1"   | 35.1                                                                              | 1.38 | 38.1                                                                              | 1.50 | 700                                                                               | 10,150 | 1,750                                                                             | 25,380 | 250                                                                               | 9.84 | 2,040                                                                               | 1.37  | BL+M01500-16                                                                        |       |

## KEY FEATURES

- Hose line for waterblasting with pressures up to 1250 bar
- Compactness, lightness and flexibility
- Safety factor 2,5:1 (accepted world standard as specified by RMA-USA, BFPA-UK, DIN-Germany, ISO 7751)
- High abrasion resistance cover

## APPLICATIONS & FLUIDS

- Waterblasting, scale removing applications using extreme high working pressures:
- Building and industrial sectors (roadworks, removal of concrete from reinforced concrete structures safeguarding metal components);
- Scale removal ships hulls in shipyard;
- Dust elimination
- Water, water soap, emulsions

## CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

70 °C, 158 °F

## TUBE

Water resistant synthetic rubber

## REINFORCEMENT

Four high tensile steel spirals

## COVER

Synthetic rubber with very high temperature, ozone and abrasion resistance

## APPLICABLE SPECS

Manuli® Design, Australian Std. AS/NZS 4233.2

## TYPE APPROVALS

CU-TR; MSHA

## GOLDENBLAST/SIX

SAFE WATERBLAST TECHNOLOGY



|  |    |  |      |  |      |  |      |  |        |  |        |  |       |  |       |  |       |
|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| PART REF.                                                                         |    | HOSE                                                                              |      | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |        | BURST                                                                             |        | MIN. BEND                                                                          |       | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN | dash                                                                              | inch | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi    | bar                                                                               | psi    | mm                                                                                 | inch  | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H10067012                                                                         | 12 | -8                                                                                | 1/2" | 25.9                                                                              | 1.02 | 28.9                                                                              | 1.14 | 1,450                                                                             | 21,030 | 3,625                                                                             | 52,570 | 250                                                                                | 9.84  | 1,880                                                                               | 1.26  | BL+M01800-08                                                                        |       |
| H10067019                                                                         | 19 | -12                                                                               | 3/4" | 32.4                                                                              | 1.28 | 35.4                                                                              | 1.39 | 1,350                                                                             | 19,580 | 3,375                                                                             | 48,950 | 280                                                                                | 11.02 | 2,630                                                                               | 1.77  | BL+M01800-12                                                                        |       |

### KEY FEATURES

- Six wire spiral hose dedicated to severe applications with pressures up to 1450 bar
- Compactness, lightness and flexibility
- Safety factor 2,5:1 (accepted world standard as specified by RMA-USA, BFPA-UK, DIN-Germany, ISO 7751)
- High abrasion resistance cover

### APPLICATIONS & FLUIDS

- Waterblasting, scale removing applications using extreme high working pressures:
- Building and industrial sectors (roadworks, removal of concrete from reinforced concrete structures safeguarding metal components);
- Scale removal ships hulls in shipyard;
- Dust elimination
- Water, water soap, emulsions

### CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

70 °C, 158 °F

### TUBE

Water resistant synthetic rubber

### REINFORCEMENT

Six high tensile steel spirals

### COVER

Synthetic rubber with very high temperature, ozone and abrasion resistance

### APPLICABLE SPECS

Manuli® Design, Australian Std. AS/NZS 4233.2

### TYPE APPROVALS

CU-TR; MSHA

## ISOJET/28 (BLUE)

PRESSURE WASH - BLUE VERSION



|  |  |      |       |  |      |  |      |  |       |  |        |  |      |  |       |  |       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| PART REF.                                                                         |                                                                                   | HOSE |       | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |       | BURST                                                                             |        | MIN. BEND                                                                         |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN                                                                                | dash | inch  | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                               | psi    | mm                                                                                | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H01190006*                                                                        | 6                                                                                 | -4   | 1/4"  | 9.9                                                                               | 0.38 | 11.7                                                                              | 0.46 | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 50                                                                                | 1.96 | 158                                                                                 | 0.11  | MF + M03300-04                                                                      |       |
| H01190008*                                                                        | 8                                                                                 | -5   | 5/16" | 11.4                                                                              | 0.44 | 13.1                                                                              | 0.51 | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 55                                                                                | 2.16 | 181                                                                                 | 0.12  | MF + M03300-05                                                                      |       |
| H01190010*                                                                        | 10                                                                                | -6   | 3/8"  | 13.3                                                                              | 0.52 | 15.3                                                                              | 0.6  | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 65                                                                                | 2.55 | 235                                                                                 | 0.16  | MF + M03300-06                                                                      |       |
| H01190012*                                                                        | 12                                                                                | -8   | 1/2"  | 16.7                                                                              | 0.65 | 18.5                                                                              | 0.72 | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 90                                                                                | 3.54 | 330                                                                                 | 0.22  | MF + M03300-08                                                                      |       |

## KEY FEATURES

- Wrapped surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Good abrasion resistance
- Safety Factor 3:1

## APPLICATIONS &amp; FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

## CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

## TUBE

Water resistant synthetic rubber

## REINFORCEMENT

One high tensile steel braid

## COVER

Weather resistant synthetic rubber

## APPLICABLE SPECS

Manuli® Design

## ISOJET/28 (BLACK)

PRESSURE WASH - BLACK VERSION



|  |  |      |       |  |      |  |      |  |       |  |        |  |      |  |       |  |       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| PART REF.                                                                         | HOSE                                                                              |      |       | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |       | BURST                                                                             |        | MIN. BEND                                                                          |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN                                                                                | dash | inch  | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                               | psi    | mm                                                                                 | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H01189006*                                                                        | 6                                                                                 | -4   | 1/4"  | 9.9                                                                               | 0.38 | 11.7                                                                              | 0.46 | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 50                                                                                 | 1.96 | 154                                                                                 | 0.10  | MF + M03300-04                                                                      |       |
| H01189008*                                                                        | 8                                                                                 | -5   | 5/16" | 11.4                                                                              | 0.44 | 13.1                                                                              | 0.51 | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 55                                                                                 | 2.16 | 177                                                                                 | 0.12  | MF + M03300-05                                                                      |       |
| H01189010*                                                                        | 10                                                                                | -6   | 3/8"  | 13.3                                                                              | 0.52 | 15.3                                                                              | 0.6  | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 65                                                                                 | 2.55 | 229                                                                                 | 0.15  | MF + M03300-06                                                                      |       |
| H01189012*                                                                        | 12                                                                                | -8   | 1/2"  | 16.7                                                                              | 0.65 | 18.5                                                                              | 0.72 | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 90                                                                                 | 3.54 | 323                                                                                 | 0.22  | MF + M03300-08                                                                      |       |

### KEY FEATURES

- Wrapped surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Good abrasion resistance
- Safety Factor 3:1

### APPLICATIONS & FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

### CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

### TUBE

Water resistant synthetic rubber

### REINFORCEMENT

One high tensile steel braid

### COVER

Weather resistant synthetic rubber

### APPLICABLE SPECS

Manuli® Design

## ISOJET/28 (GREY)

PRESSURE WASH - GREY VERSION



|                                                                                   |                                                                                   |      |      |                                                                                   |      |                                                                                   |      |                                                                                   |       |                                                                                   |        |                                                                                   |      |                                                                                     |       |                                                                                     |       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
|  |  |      |      |  |      |  |      |  |       |  |        |  |      |  |       |  |       |
| PART REF.                                                                         |                                                                                   | HOSE |      | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |       | BURST                                                                             |        | MIN. BEND                                                                         |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN                                                                                | dash | inch | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                               | psi    | mm                                                                                | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H01191006*                                                                        | 6                                                                                 | -4   | 1/4" | 9.9                                                                               | 0.38 | 11.7                                                                              | 0.46 | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 50                                                                                | 1.96 | 164                                                                                 | 0.11  | MF + M03300-04                                                                      |       |
| H01191010*                                                                        | 10                                                                                | -6   | 3/8" | 13.3                                                                              | 0.52 | 15.3                                                                              | 0.6  | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 65                                                                                | 2.55 | 244                                                                                 | 0.16  | MF + M03300-06                                                                      |       |

### KEY FEATURES

- Animal fat resistant
- Wrapped surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Safety Factor 3:1

### APPLICATIONS & FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

### CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

### TUBE

Water resistant synthetic rubber

### REINFORCEMENT

One high tensile steel braid

### COVER

Weather resistant synthetic rubber, animal fat resistant

### APPLICABLE SPECS

Manuli® Design

## ISOJET/28 PLUS (BLUE)

PRESSURE WASH - BLUE VERSION



|  |    |  |      |  |      |  |      |  |       |  |        |  |      |  |       |  |       |
|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| PART REF.                                                                         |    | HOSE                                                                              |      | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |       | BURST                                                                             |        | MIN. BEND                                                                          |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN | dash                                                                              | inch | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                               | psi    | mm                                                                                 | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H01198006*                                                                        | 6  | -4                                                                                | 1/4" | 9.9                                                                               | 0.38 | 12.7                                                                              | 0.5  | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 50                                                                                 | 1.96 | 184                                                                                 | 0.12  | MF + M03300-04                                                                      |       |
| H01198010*                                                                        | 10 | -6                                                                                | 3/8" | 13.3                                                                              | 0.52 | 16.1                                                                              | 0.63 | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 65                                                                                 | 2.55 | 262                                                                                 | 0.18  | MF + M03300-06                                                                      |       |

### KEY FEATURES

- Wrapped surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Good abrasion resistance
- Safety Factor 3:1

### APPLICATIONS & FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

### CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

### TUBE

Water resistant synthetic rubber

### REINFORCEMENT

One high tensile steel braid

### COVER

Weather resistant synthetic rubber

### APPLICABLE SPECS

Manuli® Design

## ISOJET/28 PLUS (GREY)

PRESSURE WASH - GREY VERSION



|                                                                                   |                                                                                   |      |      |                                                                                   |      |                                                                                   |      |                                                                                   |       |                                                                                   |        |                                                                                   |      |                                                                                     |       |                                                                                     |       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
|  |  |      |      |  |      |  |      |  |       |  |        |  |      |  |       |  |       |
| PART REF.                                                                         |                                                                                   | HOSE |      | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |       | BURST                                                                             |        | MIN. BEND                                                                         |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN                                                                                | dash | inch | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                               | psi    | mm                                                                                | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H01196006*                                                                        | 6                                                                                 | -4   | 1/4" | 9.9                                                                               | 0.38 | 12.7                                                                              | 0.5  | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 50                                                                                | 1.96 | 190                                                                                 | 0.13  | MF + M03300-04                                                                      |       |
| H01196010*                                                                        | 10                                                                                | -6   | 3/8" | 13.3                                                                              | 0.52 | 16.1                                                                              | 0.63 | 280                                                                               | 4,060 | 840                                                                               | 12,183 | 65                                                                                | 2.55 | 271                                                                                 | 0.18  | MF + M03300-06                                                                      |       |

## KEY FEATURES

- Wrapped surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Good abrasion resistance
- Safety Factor 3:1

## APPLICATIONS &amp; FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

## CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

## TUBE

Water resistant synthetic rubber

## REINFORCEMENT

One high tensile steel braid

## COVER

Weather resistant synthetic rubber

## APPLICABLE SPECS

Manuli® Design

## ISOJET/42 (BLUE)

PRESSURE WASH - BLUE VERSION



|  |    |      |  |      |  |      |  |     |  |       |  |    |  |     |  |                |  |  |
|-----------------------------------------------------------------------------------|----|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|--|
| PART REF.                                                                         |    |      | HOSE                                                                              |      | R.O.D                                                                             |      | O.D                                                                               |     | MAX. W.P                                                                          |       | BURST                                                                             |    | MIN. BEND                                                                          |     | WEIGHT                                                                              |                | FITTINGS                                                                            |  |
|                                                                                   | DN | dash | inch                                                                              | mm   | inch                                                                              | mm   | inch                                                                              | bar | psi                                                                               | bar   | psi                                                                               | mm | inch                                                                               | g/m | lb/ft                                                                               | Std 1          | Std 2                                                                               |  |
| H01193006*                                                                        | 6  | -4   | 1/4"                                                                              | 11.2 | 0.44                                                                              | 13.2 | 0.51                                                                              | 420 | 6,090                                                                             | 1,260 | 18,275                                                                            | 50 | 1.96                                                                               | 258 | 0.17                                                                                | MF + M03400-04 |                                                                                     |  |
| H01193008*                                                                        | 8  | -5   | 5/16"                                                                             | 13   | 0.51                                                                              | 15   | 0.59                                                                              | 420 | 6,090                                                                             | 1,260 | 18,275                                                                            | 55 | 2.16                                                                               | 316 | 0.21                                                                                | MF + M03400-05 |                                                                                     |  |
| H01193010*                                                                        | 10 | -6   | 3/8"                                                                              | 14.6 | 0.57                                                                              | 16.8 | 0.66                                                                              | 420 | 6,090                                                                             | 1,260 | 18,275                                                                            | 65 | 2.55                                                                               | 372 | 0.25                                                                                | MF + M03400-06 |                                                                                     |  |
| H01193012*                                                                        | 12 | -8   | 1/2"                                                                              | 18.6 | 0.73                                                                              | 20.6 | 0.81                                                                              | 420 | 6,090                                                                             | 1,260 | 18,275                                                                            | 90 | 3.54                                                                               | 521 | 0.35                                                                                | MF + M03450-08 |                                                                                     |  |

## KEY FEATURES

- Wrapped surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Good abrasion resistance
- Safety Factor 3:1

## APPLICATIONS &amp; FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

## CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

## TUBE

Water resistant synthetic rubber

## REINFORCEMENT

Two high tensile steel braids

## COVER

Weather resistant synthetic rubber

## APPLICABLE SPECS

Manuli® Design

## ISOJET/42 (BLACK)

PRESSURE WASH - BLACK VERSION



|  |  |      |       |  |      |  |      |  |       |  |        |  |      |  |       |  |       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| PART REF.                                                                         |                                                                                   | HOSE |       | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |       | BURST                                                                             |        | MIN. BEND                                                                         |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN                                                                                | dash | inch  | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                               | psi    | mm                                                                                | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H01192006*                                                                        | 6                                                                                 | -4   | 1/4"  | 11.2                                                                              | 0.44 | 13.2                                                                              | 0.51 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 50                                                                                | 1.96 | 253                                                                                 | 0.17  | MF + M03400-04                                                                      |       |
| H01192008*                                                                        | 8                                                                                 | -5   | 5/16" | 13                                                                                | 0.51 | 15                                                                                | 0.59 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 55                                                                                | 2.16 | 310                                                                                 | 0.21  | MF + M03400-05                                                                      |       |
| H01192010*                                                                        | 10                                                                                | -6   | 3/8"  | 14.6                                                                              | 0.57 | 16.8                                                                              | 0.66 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 65                                                                                | 2.55 | 365                                                                                 | 0.25  | MF + M03400-06                                                                      |       |
| H01192012*                                                                        | 12                                                                                | -8   | 1/2"  | 18.6                                                                              | 0.73 | 20.6                                                                              | 0.81 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 90                                                                                | 3.54 | 513                                                                                 | 0.34  | MF + M03450-08                                                                      |       |

## KEY FEATURES

- Wrapped surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Good abrasion resistance
- Safety Factor 3:1

## APPLICATIONS &amp; FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

## CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

## TUBE

Water resistant synthetic rubber

## REINFORCEMENT

Two high tensile steel braids

## COVER

Weather resistant synthetic rubber

## APPLICABLE SPECS

Manuli® Design

## ISOJET/42 (GREY)

PRESSURE WASH - GREY VERSION



|                                                                                   |    |                                                                                   |      |                                                                                   |      |                                                                                   |      |                                                                                   |       |                                                                                   |        |                                                                                    |      |                                                                                     |       |                                                                                     |       |
|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
|  |    |  |      |  |      |  |      |  |       |  |        |  |      |  |       |  |       |
| PART REF.                                                                         |    | HOSE                                                                              |      | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |       | BURST                                                                             |        | MIN. BEND                                                                          |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN | dash                                                                              | inch | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                               | psi    | mm                                                                                 | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H01194010*                                                                        | 10 | -6                                                                                | 3/8" | 14.6                                                                              | 0.57 | 16.8                                                                              | 0.66 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 65                                                                                 | 2.55 | 382                                                                                 | 0.26  | MF + M03400-06                                                                      |       |
| H01194012*                                                                        | 12 | -8                                                                                | 1/2" | 18.6                                                                              | 0.73 | 20.6                                                                              | 0.81 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 90                                                                                 | 3.54 | 532                                                                                 | 0.36  | MF + M03450-08                                                                      |       |

### KEY FEATURES

- Animal fat resistant
- Wrapped surface
- Indelible branding
- Compact structure: easy handling, reduced bend radius
- Safety Factor 3:1

### APPLICATIONS & FLUIDS

- Water-cleaning equipment, ideal for hobby and semi-professional machines
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

### CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

### TUBE

Water resistant synthetic rubber

### REINFORCEMENT

Two high tensile steel braids

### COVER

Weather resistant synthetic rubber, animal fat resistant

### APPLICABLE SPECS

Manuli® Design

## ISOJET/42 PLUS (BLUE)

PRESSURE WASH - BLUE VERSION



|  |  |      |       |  |      |  |      |  |       |  |        |  |      |  |       |  |       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| PART REF.                                                                         |                                                                                   | HOSE |       | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |       | BURST                                                                             |        | MIN. BEND                                                                         |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN                                                                                | dash | inch  | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                               | psi    | mm                                                                                | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H01195006*                                                                        | 6                                                                                 | -4   | 1/4"  | 11.2                                                                              | 0.44 | 14                                                                                | 0.55 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 50                                                                                | 1.96 | 281                                                                                 | 0.19  | MF + M03400-04                                                                      |       |
| H01195008*                                                                        | 8                                                                                 | -5   | 5/16" | 13                                                                                | 0.51 | 15.8                                                                              | 0.62 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 55                                                                                | 2.16 | 341                                                                                 | 0.23  | MF + M03400-05                                                                      |       |
| H01195010*                                                                        | 10                                                                                | -6   | 3/8"  | 14.6                                                                              | 0.57 | 17.4                                                                              | 0.68 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 65                                                                                | 2.55 | 394                                                                                 | 0.26  | MF + M03400-06                                                                      |       |
| H01195012*                                                                        | 12                                                                                | -8   | 1/2"  | 18.6                                                                              | 0.73 | 20.6                                                                              | 0.81 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 90                                                                                | 3.54 | 521                                                                                 | 0.35  | MF + M03450-08                                                                      |       |

## KEY FEATURES

- Wrapped surface
- Indelible branding
- Compact and robust structure: easy handling, reduced bend radius
- Good abrasion resistance
- Safety Factor 3:1

## APPLICATIONS &amp; FLUIDS

- Water-cleaning equipment, dedicated to professional machines and applications
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

## CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

## TUBE

Water resistant synthetic rubber

## REINFORCEMENT

Two high tensile steel braids

## COVER

Weather resistant synthetic rubber

## APPLICABLE SPECS

Manuli® Design

## ISOJET/42 PLUS (GREY)

PRESSURE WASH - GREY VERSION



|                                                                                   |    |                                                                                   |      |                                                                                   |      |                                                                                   |      |                                                                                   |       |                                                                                   |        |                                                                                    |      |                                                                                     |       |                                                                                     |       |
|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
|  |    |  |      |  |      |  |      |  |       |  |        |  |      |  |       |  |       |
| PART REF.                                                                         |    | HOSE                                                                              |      | R.O.D                                                                             |      | O.D                                                                               |      | MAX. W.P                                                                          |       | BURST                                                                             |        | MIN. BEND                                                                          |      | WEIGHT                                                                              |       | FITTINGS                                                                            |       |
|                                                                                   | DN | dash                                                                              | inch | mm                                                                                | inch | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                               | psi    | mm                                                                                 | inch | g/m                                                                                 | lb/ft | Std 1                                                                               | Std 2 |
| H01197010*                                                                        | 10 | -6                                                                                | 3/8" | 14.6                                                                              | 0.57 | 17.4                                                                              | 0.68 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 65                                                                                 | 2.55 | 402                                                                                 | 0.27  | MF + M03400-06                                                                      |       |
| H01197012*                                                                        | 12 | -8                                                                                | 1/2" | 18.6                                                                              | 0.73 | 20.6                                                                              | 0.81 | 420                                                                               | 6,090 | 1,260                                                                             | 18,275 | 90                                                                                 | 3.54 | 529                                                                                 | 0.36  | MF + M03450-08                                                                      |       |

### KEY FEATURES

- Wrapped surface
- Indelible branding
- Compact and robust structure: easy handling, reduced bend radius
- Good abrasion resistance
- Safety Factor 3:1

### APPLICATIONS & FLUIDS

- Water-cleaning equipment, dedicated to professional machines and applications
- Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion

### CONTINUOUS SERVICE TEMPERATURE RANGE

-10 °C, 15 °F

135 °C, 275 °F

### TUBE

Water resistant synthetic rubber

### REINFORCEMENT

Two high tensile steel braids

### COVER

Weather resistant synthetic rubber

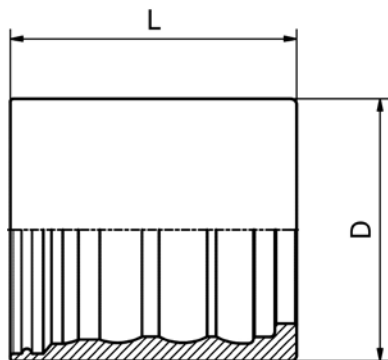
### APPLICABLE SPECS

Manuli® Design

FITTINGS

 **manuli**<sup>®</sup>  
HYDRAULICS



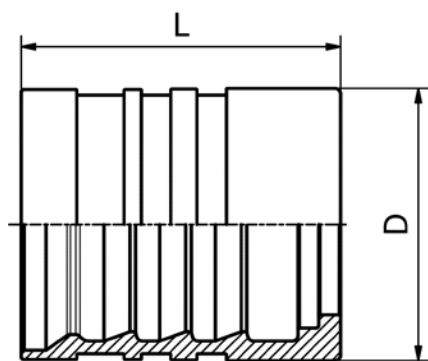


FERRULE

M00110/M00120/M00130

SKIVE FERRULE  
FOR WIRE BRAID HOSES

| PART. REF. | HOSE BORE |      |       | DIMENSIONS mm |  |      |      |  |  |  |  |
|------------|-----------|------|-------|---------------|--|------|------|--|--|--|--|
|            | DN        | Dash | inch  |               |  | D    | L    |  |  |  |  |
| M00120-04  | 6         | - 4  | 1/4"  |               |  | 19.5 | 28.0 |  |  |  |  |
| M00120-05  | 8         | - 5  | 5/16" |               |  | 20.0 | 28.6 |  |  |  |  |

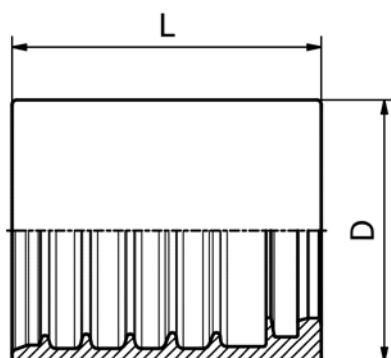


FERRULE

M00910/M00920/M00930

SKIVE FERRULE  
FOR WIRE BRAID  
AND SPIRAL HOSES

| PART. REF. | HOSE BORE |      |      | DIMENSIONS mm |  |      |      |  |  |  |  |
|------------|-----------|------|------|---------------|--|------|------|--|--|--|--|
|            | DN        | Dash | inch |               |  | D    | L    |  |  |  |  |
| M00910-06  | 10        | - 6  | 3/8" |               |  | 26.0 | 33.0 |  |  |  |  |
| M00910-08  | 12        | - 8  | 1/2" |               |  | 30.0 | 34.0 |  |  |  |  |

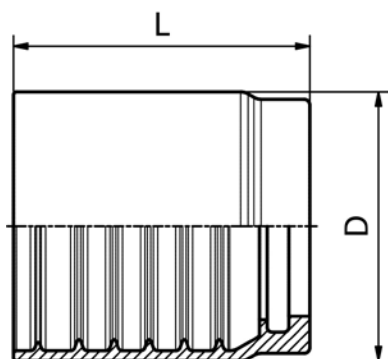


FERRULE

M03300

NO-SKIVE FERRULE  
FOR WIRE BRAID HOSES

| PART. REF. | HOSE BORE |      |       | DIMENSIONS mm |  |      |      |  |  |  |  |
|------------|-----------|------|-------|---------------|--|------|------|--|--|--|--|
|            | DN        | Dash | inch  |               |  | D    | L    |  |  |  |  |
| M03300-04  | 6         | - 4  | 1/4"  |               |  | 20.5 | 27.5 |  |  |  |  |
| M03300-05  | 8         | - 5  | 5/16" |               |  | 22.8 | 28.5 |  |  |  |  |
| M03300-06  | 10        | - 6  | 3/8"  |               |  | 25.0 | 30.0 |  |  |  |  |
| M03300-08  | 12        | - 8  | 1/2"  |               |  | 28.0 | 33.0 |  |  |  |  |

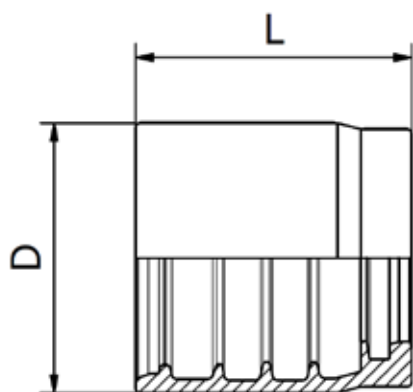


FERRULE

M03400

NO-SKIVE FERRULE  
FOR WIRE BRAID HOSES

| PART. REF. | HOSE BORE |      |       |  |  | DIMENSIONS mm |      |  |  |  |  |
|------------|-----------|------|-------|--|--|---------------|------|--|--|--|--|
|            | DN        | Dash | inch  |  |  | D             | L    |  |  |  |  |
| M03400-04  | 6         | - 4  | 1/4"  |  |  | 23.0          | 30.1 |  |  |  |  |
| M03400-05  | 8         | - 5  | 5/16" |  |  | 24.0          | 30.0 |  |  |  |  |
| M03400-06  | 10        | - 6  | 3/8"  |  |  | 26.0          | 31.1 |  |  |  |  |
| M03400-10  | 16        | - 10 | 5/8"  |  |  | 33.0          | 37.0 |  |  |  |  |
| M03400-12  | 19        | - 12 | 3/4"  |  |  | 37.0          | 42.0 |  |  |  |  |

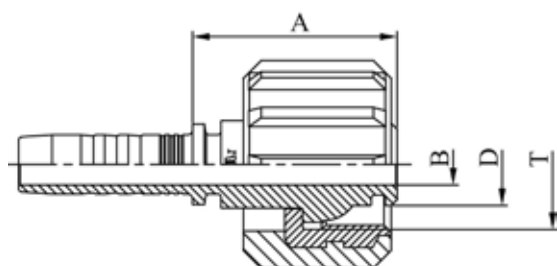


FERRULE

M03450

NO-SKIVE FERRULE  
FOR WIRE BRAID HOSES

| PART. REF. | HOSE BORE |      |      |  |  | DIMENSIONS mm |      |  |  |  |  |
|------------|-----------|------|------|--|--|---------------|------|--|--|--|--|
|            | DN        | Dash | inch |  |  | D             | L    |  |  |  |  |
| M03450-08  | 12        | - 8  | 1/2" |  |  | 30.3          | 31.0 |  |  |  |  |

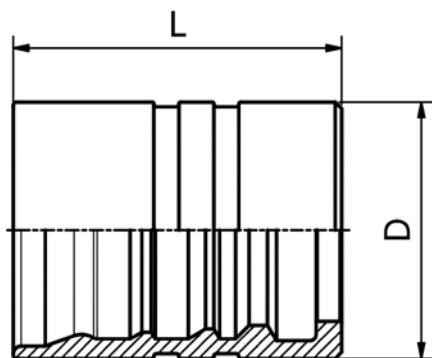


CONNECTIONS - CLEANING

M24913

WASH CLEANER FEMALE

| PART. REF.   | HOSE BORE |      |       | Thread   |  | DIMENSIONS mm |      |      |  |  |  |
|--------------|-----------|------|-------|----------|--|---------------|------|------|--|--|--|
|              | DN        | Dash | inch  | T        |  | B             | A    | D    |  |  |  |
| M24913-04-22 | 6         | - 4  | 1/4"  | M 22X1,5 |  | 4.0           | 34.0 | 13.9 |  |  |  |
| M24913-05-22 | 8         | - 5  | 5/16" | M 22X1,5 |  | 5.5           | 34.0 | 13.9 |  |  |  |
| M24913-06-22 | 10        | - 6  | 3/8"  | M 22X1,5 |  | 7.0           | 34.5 | 13.9 |  |  |  |

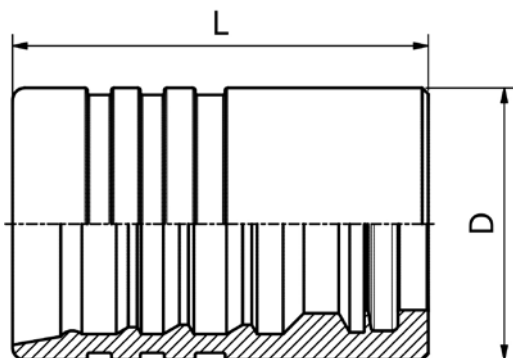


FERRULE

**M01500**

**DOUBLE SKIVE FERRULE  
FOR HEAVY DUTY SPIRAL HOSES (4 PLY)**

| PART. REF. | HOSE BORE |      |      | DIMENSIONS mm |  |      |      |  |  |  |  |
|------------|-----------|------|------|---------------|--|------|------|--|--|--|--|
|            | DN        | Dash | inch |               |  | D    | L    |  |  |  |  |
| M01500-16  | 25        | -16  | 1"   |               |  | 48.0 | 64.5 |  |  |  |  |

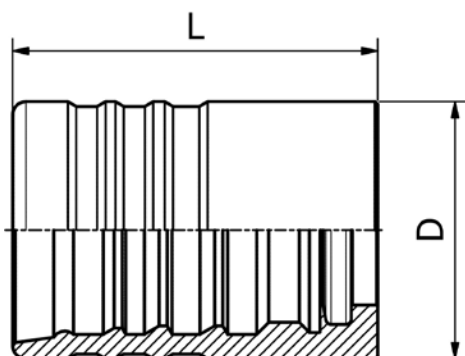


FERRULE - BLASTING

**M01700**

**DOUBLE SKIVE FERRULE  
FOR EXTRA DUTY SPIRAL HOSES (4 PLY)**

| PART. REF. | HOSE BORE |      |      | DIMENSIONS mm |  |      |      |  |  |  |  |
|------------|-----------|------|------|---------------|--|------|------|--|--|--|--|
|            | DN        | Dash | inch |               |  | D    | L    |  |  |  |  |
| M01700-06  | 10        | - 6  | 3/8" |               |  | 27.9 | 57.5 |  |  |  |  |
| M01700-08  | 12        | - 8  | 1/2" |               |  | 34.0 | 65.0 |  |  |  |  |
| M01700-12  | 19        | -12  | 3/4" |               |  | 45.1 | 69.0 |  |  |  |  |



FERRULE - BLASTING

**M01800**

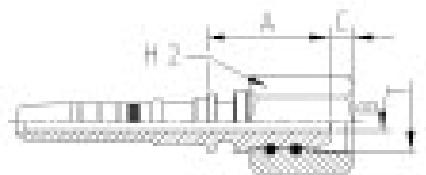
**DOUBLE SKIVE FERRULE  
FOR EXTRA DUTY SPIRAL HOSES (6 PLY)**

| PART. REF. | HOSE BORE |      |      | DIMENSIONS mm |  |      |      |  |  |  |  |
|------------|-----------|------|------|---------------|--|------|------|--|--|--|--|
|            | DN        | Dash | inch |               |  | D    | L    |  |  |  |  |
| M01800-08  | 12        | -8   | 1/2" |               |  | 38.3 | 64.4 |  |  |  |  |
| M01800-12  | 19        | -12  | 3/4" |               |  | 48.6 | 69.0 |  |  |  |  |

## CONNECTIONS - BLASTING

## M65514

**BSP FEMALE 60° CONE**  
**(BS5200 - ISO 8434-6)**



| PART. REF.   | HOSE BORE |      |      | THREAD    |  | DIMENSIONS mm |      |     |      |  |  |  |
|--------------|-----------|------|------|-----------|--|---------------|------|-----|------|--|--|--|
|              | DN        | Dash | inch |           |  | B             | A    | C   | H2   |  |  |  |
| M65514-06-06 | 10        | -6   | 3/8" | 3/8" - 19 |  | 4.8           | 34.5 | 6.0 | 24.0 |  |  |  |
| M65514-08-08 | 12        | -8   | 1/2" | 1/2" - 14 |  | 9.0           | 37.0 | 6.5 | 30.0 |  |  |  |
| M65514-12-12 | 19        | -12  | 3/4" | 3/4" - 14 |  | 12.0          | 43.0 | 8.7 | 36.0 |  |  |  |

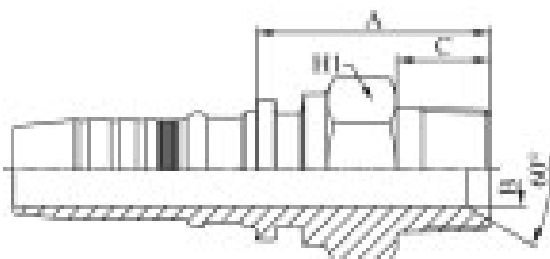
The BLASTLOCK fittings have to be used with the GOLDENBLAST hoses only, that are suggested for waterblasting applications. For hydraulic applications please refer to the dedicated fittings (ILP).

"B" dimension does not comply with: BS5200 and ISO8434-6 spec.

## CONNECTIONS - BLASTING

## M57810 (DN 16: M52810)

**NPTF MALE 60° CONE SEAT**  
**- SAE J516/J514**

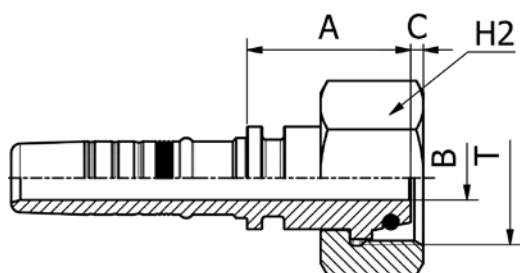


| PART. REF.   | HOSE BORE |      |      | THREAD    |  | DIMENSIONS mm |      |      |      |  |  |  |
|--------------|-----------|------|------|-----------|--|---------------|------|------|------|--|--|--|
|              | DN        | Dash | inch |           |  | B             | A    | C    | H1   |  |  |  |
| M57810-06-06 | 10        | -6   | 3/8" | 3/8" - 18 |  | 8.5           | 38.0 | 15.5 | 22.0 |  |  |  |
| M57810-08-08 | 12        | -8   | 1/2" | 1/2" - 14 |  | 10.0          | 44.5 | 21.0 | 27.0 |  |  |  |
| M57810-12-12 | 19        | -12  | 3/4" | 3/4" - 14 |  | 15.0          | 49.5 | 21.0 | 32.0 |  |  |  |
| M57810-16-16 | 25        | -16  | 1"   | 1" - 11   |  | 19.5          | 55.0 | 24.2 | 41.0 |  |  |  |

The BLASTLOCK fittings have to be used with the GOLDENBLAST hoses only, that are suggested for waterblasting applications. For hydraulic applications please refer to the dedicated fittings (ILP).

## CONNECTIONS - BLASTING

## M66613



**METRIC O-RING FEMALE 24° CONE HEAVY DUTY**  
- DIN 20066/ISO  
12151-2 (SLIP-ON NUT)

| PART. REF.   | HOSE BORE |      |      | THREAD     | PIPE | DIMENSIONS mm |      |     |      |  |  |  |
|--------------|-----------|------|------|------------|------|---------------|------|-----|------|--|--|--|
|              | DN        | Dash | inch |            |      | B             | A    | C   | H2   |  |  |  |
| M66613-06-22 | 10        | -6   | 3/8" | M 22 X 1.5 | 14   | 4.8           | 32.0 | 3.5 | 27.0 |  |  |  |
| M66613-06-24 | 10        | -6   | 3/8" | M 24 X 1.5 | 16   | 6.3           | 34.0 | 4.0 | 32.0 |  |  |  |
| M66613-08-24 | 12        | -8   | 1/2" | M 24 X 1.5 | 16   | 9.0           | 35.5 | 4.0 | 32.0 |  |  |  |
| M66613-12-36 | 19        | -12  | 3/4" | M 36 X 2   | 25   | 12.0          | 44.5 | 3.4 | 46.0 |  |  |  |
| M66613-16-42 | 25        | -16  | 1"   | M 42 X 2   | 30   | 19.5          | 43.5 | 5.3 | 50.0 |  |  |  |

The BLASTLOCK fittings have to be used with the GOLDENBLAST hoses only, that are suggested for waterblasting applications. For hydraulic applications please refer to the dedicated fittings (ILP).





The following assembling instructions are strongly recommended for heavy-duty applications

## BLASTLOCK FITTINGS ASSEMBLY INSTRUCTIONS

The crimping operation to apply BLASTLOCK fittings must be carried out with proper high performance crimping/assembling machines, with a crimping force higher than 2,800-3,000 kN, and approved by Manuli Hydraulics. This is in order to guarantee the optimum coupling assembly deformations and correct hose gripping.

It is recommended that the detailed assembling instructions are followed. These are supplied by Manuli Hydraulics to customers, assemblers and operators using the integrated package, GOLDENBLAST hose & BLASTLOCK fittings.

Each assembly must be pressure tested at the pressure level required by the reference specifications (e.g. EN 1829-2 requirement is 1.5 times the WP for minimum 30 seconds) and taking into consideration all safety implications.

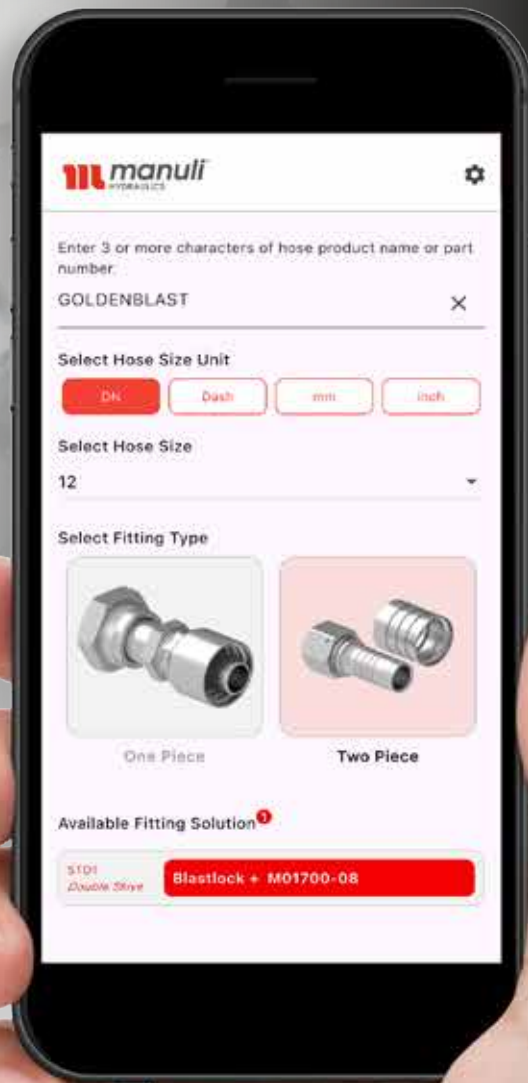
Specialised personnel are recommended for the assembling operation of BLASTLOCK fittings.

| PART REF.    | THREAD SIZE | OR SUPPLIED (NBR 90 Sha) | TIGHTENING TORQUE (Nm) |
|--------------|-------------|--------------------------|------------------------|
| M66613-6-22  | M 22 x 1.5  | 10 x 2                   | 70                     |
| M66613-08-24 | M 24 x 1.5  | 12 x 2                   | 100                    |
| M66613-12-36 | M 36 x 2    | 20.3 x 2.4               | 190                    |
| M66613-16-42 | M 42 x 2    | 25.3 x 2.4               | 220                    |

## MANULI GOLDENBLAST RECOMMENDATIONS

Please see the following recommendations for the safe and correct use of the Manuli Goldenblast product line:

- Don't mix and match: MRI highly recommends the use of its integrated waterblasting package. The use of alternative hose or fittings can result in poor quality and reliability of the assembly.
- In line with international regulations, all waterblasting assemblies should be tested to 150% of the indicated maximum static working pressure before using.
- If waterblasting assemblies are used at a pressure exceeding the maximum working pressure indicated, the assemblies structure can cause an over-stressed situation. For the same reason pulsating pressure situations also need to be avoided.
- Relief valves should be used to preserve waterblasting equipment and hose assemblies.
- When safety devices are applied to prevent fitting blow-off, hose elongation and contraction needs to be taken in consideration. Under pressure, the hose length can vary between -4% to +2%.
- Waterblasting assemblies should never be used in "hang down" positions. These conditions can cause hose reinforcement restriction to contraction/elongation and over-stress fittings when supporting the weight of the hanging hose.
- Strictly avoid applying any external force on the hose assembly, such as axial tension, twisting, kinking or crushing.
- Temperature influences the resistance to leakage. Working temperature should be maintained below 70°C.
- Hose assemblies need to be replaced in case of damage, such as:
  - hose cover abrasion, cuts, chemical attack, corrosion
  - reinforcement crushing or twisting
- High pressure water must always be considered as extremely dangerous. Anyone handling waterblasting equipment should wear proper protective clothing, boots and eye protection.



# MANULI CRIMP APP

## Your Trusted Solution for the Latest Crimping Specifications

Stay ahead with the Manuli Hydraulics Crimp App, the ultimate resource for precise, efficient, and safe hydraulic hose crimping. Engineered for industry professionals, this easy-to-use app provides instant access to the most up-to-date crimp specifications.

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- Real-Time Access: instantly retrieve the latest crimp specifications.
- Bluetooth Integration: for seamless connectivity.
- User-Friendly Interface: intuitive design for quick and easy navigation.

Whether you're in the workshop or on-site, the Manuli Hydraulics Crimp App offers real-time access to a comprehensive database of hose and fitting specifications. Designed to enhance productivity and minimize downtime, the app integrates seamlessly with Bluetooth-enabled devices, enabling effortless connectivity for a more streamlined crimping experience.

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