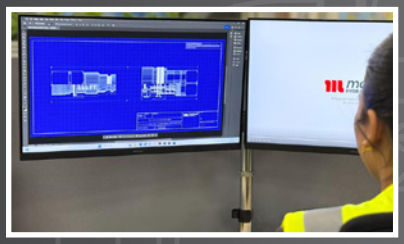
ISOJET



Cost Effective Solution
High Saftey Standard

manuli® HYDRAULICS

"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.

DESIGN → **MANUFACTURE** → **TEST**

SUPPLY ← **INTEGRATED SYSTEMS**



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.

Disclaimer: We reserve the right to modify our products and/or related services and/or discontinue the manufacture and/or supply of any of the products and/or related services, without notice. This document supersedes all previous versions and previously issued documentation. The only official source of technical crimping parameters regarding our products is our Digital Crimp Tools. Printed copies are uncontrolled therefore, please be sure to use the latest versions of our Manuli Crimp App or Crimp Web Tool. Do not mix and match: always use Manuli original hoses and fittings. For more information, see our 'Safety Guide' by scanning the QR code.

DON'T MIX & MATCH

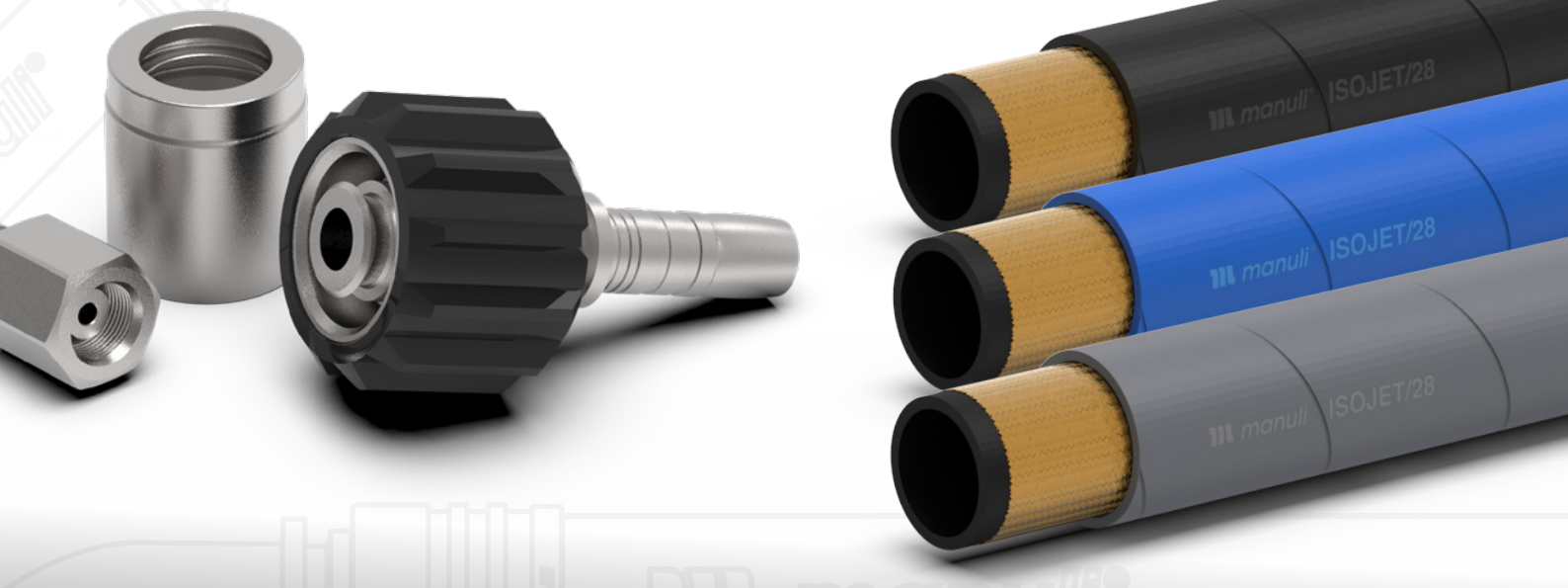
ISOJET PRESSURE WASHER HOSES

The ISOJET range of hoses comprises four individual families:

- **ISOJET/28**: A range of compact hoses rated at 280 bar working pressure, and suited to most basic pressure washing applications. Grey version is also animal far resistant.
- **ISOJET/28 PLUS**: Rated at 280 bar, this family of hoses has a thicker cover making it more robust and hard-wearing; ideal for hobby-level usage.
- **ISOJET/42**: This is a heavy-duty, compact hose for pressure-washer applications up to 420 bar, including semi-professional usage. Grey version is also animal far resistant.
- **ISOJET/42 PLUS**: This hose family offers the highest level of performance along with an extremely robust cover, making it the go-to solution for use with professional pressure-washing equipment.

FEATURES & BENEFITS:

- **Price Oriented**: Exceptional performance at a highly competitive price.
- **High Safety Standards**: Available in 280 bar and 420 bar pressure ratings with a safety factor of 3:1
- **Easy to Handle**: Lightweight with good flexibility.
- **Fixed Lengths**: Available in fixed lengths of 15.4m (50ft), 30.5m (100ft), 20m & 40m.
- **Animal Fat Resistance**: ISOJET/28 and ISOJET/42 lines have a specially formulated cover compound which makes them highly resistant to animal fats.



AVAILABILITY OF HOSES

ISOJET hoses are available in a range of colours and structures, as well as two distinct pressure ratings. This makes them a highly versatile range of hoses which support the full spectrum of pressure washing applications, from infrequent home and hobby use, to regular and prolonged use with professional pressure washers.

Hose Family	Description	Application	W.P	Colour Availability		
ISOJET/28	Super compact; 1WB	Basic	280 bar	BLUE	BLACK	GREY
ISOJET/28 PLUS	Robust; 1WB	Hobby	280 bar	BLUE		GREY
ISOJET/42	Compact; 2WB	Standard	420 bar	BLUE	BLACK	GREY
ISOJET/42 PLUS	Robust; 2WB	Professional	420 bar	BLUE		GREY

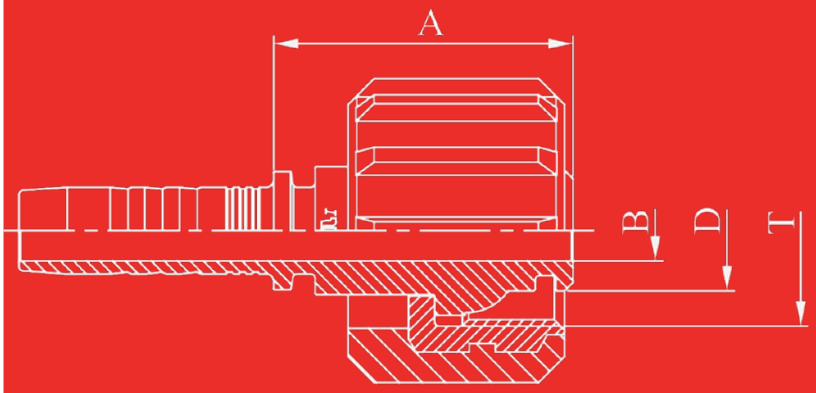


Example of embossed, inedible branding on the hose.

INTEGRATED FITTING SOLUTIONS

ISOJET hoses are designed for seamless and robust hose and fitting integration. The ISOJET range is paired with the Multifit range of no-skive, two-piece fittings, for a reliable, leak-free connection both in the workshop and in the field.

The Multifit range offers a huge variety of hydraulic-style connectors, as well as a dedicated pressure washer fitting suitable for use with most market-leading pressure washer brands at both home and professional use levels.



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

ISOJET/28 (BLUE)

PRESSURE WASH - BLUE VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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	0.60	280	4,060	840	12,183	65	2.55	235	0.16	MF + M03300-06	-
H01190012*	12	-8	1/2”	16.7	0.65	18.3	0.72	280	4,060	840	12,183	90	3.54	330	0.22	MF + M03300-08	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

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 Standards

Manuli® Design.

ISOJET/28 (BLACK)

PRESSURE WASH - BLACK VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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	0.60	280	4,060	840	12,183	65	2.55	229	0.15	MF + M03300-06	-
H01189012*	12	-8	1/2”	16.7	0.65	18.3	0.72	280	4,060	840	12,183	90	3.54	323	0.22	MF + M03300-08	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

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 Standards

Manuli® Design.

ISOJET/28 (GREY)

PRESSURE WASH - GREY VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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	0.60	280	4,060	840	12,183	65	2.55	244	0.16	MF + M03300-06	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

Continuous Service Temperature Range

-10 °C, 15 °F
135 °C, 275 °F

Tube

Water resistant synthetic rubber.

Reinforcement

One high tensile steel braid.

Cover

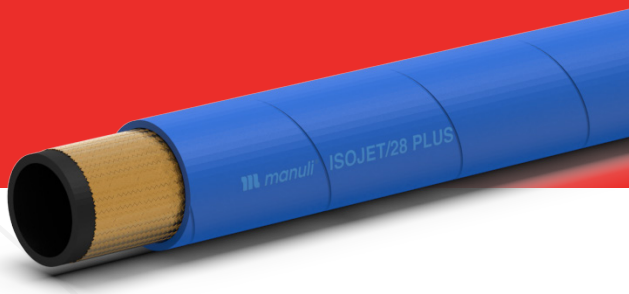
Weather resistant synthetic rubber, animal fat resistant.

Applicable Standards

Manuli® Design.

ISOJET/28 PLUS (BLUE)

PRESSURE WASH - BLUE VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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	0.50	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	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

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 Standards

Manuli® Design.

ISOJET/28 PLUS (GREY)

PRESSURE WASH - GREY VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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	190	0.11	MF + M03300-04	-
H01191010*	10	-6	3/8”	13.3	0.52	15.3	0.60	280	4,060	840	12,183	65	2.55	271	0.16	MF + M03300-06	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

Continuous Service Temperature Range

-10 °C, 15 °F
135 °C, 275 °F

Tube

Water resistant synthetic rubber.

Reinforcement

One high tensile steel braid.

Cover

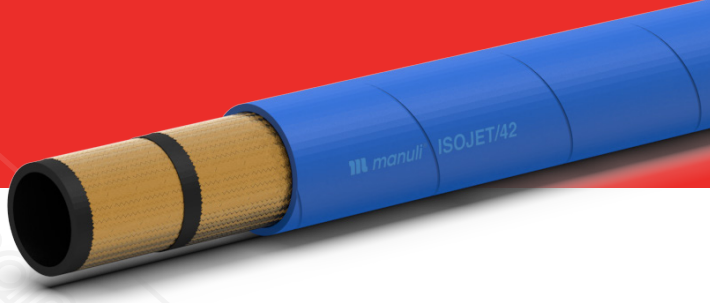
Weather resistant synthetic rubber, animal fat resistant.

Applicable Standards

Manuli® Design.

ISOJET/42 (BLUE)

PRESSURE WASH - BLUE VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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	327	0.25	MF + M03400-06	-
H01193012*	12	-8	1/2”	16.8	0.73	20.3	0.81	420	6,090	1,260	18,275	90	3.54	521	0.35	MF + M03450-08	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

Continuous Service Temperature Range

-10 °C, 15 °F
135 °C, 275 °F

Tube

Water resistant synthetic rubber.

Reinforcement

Two high tensile steel braid.

Cover

Weather resistant synthetic rubber.

Applicable Standards

Manuli® Design.

ISOJET/42 (BLACK)

PRESSURE WASH - BLACK VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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”	16.8	0.73	20.3	0.81	420	6,090	1,260	18,275	90	3.54	513	0.34	MF + M03450-08	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

Continuous Service Temperature Range

-10 °C, 15 °F
135 °C, 275 °F

Tube

Water resistant synthetic rubber.

Reinforcement

Two high tensile steel braid.

Cover

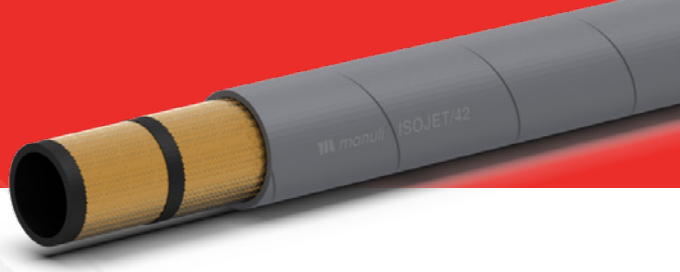
Weather resistant synthetic rubber.

Applicable Standards

Manuli® Design.

ISOJET/42 (GREY)

PRESSURE WASH - GREY VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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	60	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	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

Continuous Service Temperature Range

-10 °C, 15 °F
135 °C, 275 °F

Tube

Water resistant synthetic rubber.

Reinforcement

One high tensile steel braid.

Cover

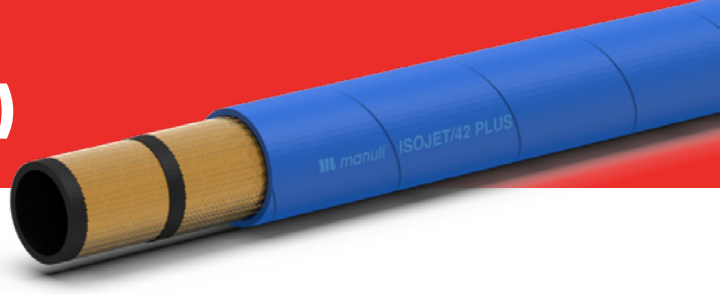
Weather resistant synthetic rubber, animal fat resistant.

Applicable Standards

Manuli® Design.

ISOJET/42 PLUS (BLUE)

PRESSURE WASH - BLUE VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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	14	0.55	420	6,090	1,260	18,275	50	1.96	281	0.19	MF + M03400-04	-
H01193008*	8	-5	5/16”	13	0.51	15.80	0.62	420	6,090	1,260	18,275	55	2.16	341	0.23	MF + M03400-05	-
H01193010*	10	-6	3/8”	14.6	0.57	17.40	0.68	420	6,090	1,260	18,275	65	2.55	394	0.26	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	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

Continuous Service Temperature Range

-10 °C, 15 °F
135 °C, 275 °F

Tube

Water resistant synthetic rubber.

Reinforcement

Two high tensile steel braid.

Cover

Weather resistant synthetic rubber.

Applicable Standards

Manuli® Design.

ISOJET/42 PLUS (GREY)

PRESSURE WASH - GREY VERSION



FEATURES & BENEFITS:

- 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 semiprofessional machines.

Water, mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion.

PART REF.	HOSE SIZE			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	420	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	-

Refer to the latest Manuli Digital Crimp Tools for crimping parameters.

TECHNICAL SPECIFICATIONS:

Continuous Service Temperature Range

-10 °C, 15 °F
135 °C, 275 °F

Tube

Water resistant synthetic rubber.

Reinforcement

Two high tensile steel braid.

Cover

Weather resistant synthetic rubber, animal fat resistant.

Applicable Standards

Manuli® Design.



manuli® HYDRAULICS CRIMP

YOUR SOURCE FOR THE MOST UP TO DATE CRIMP PARAMETERS

Stay up to date using Manuli's Digital Crimp Tools, available as an App and a Web version, our Crimp Tools are your go-to resource for accurate, efficient, and safe hydraulic hose crimping. Designed with professionals in mind, this innovative tool grants instant access to the latest crimp specifications, ensuring precision, and reliability in every assembly.

Whether in the workshop or on the go, Manuli Digital Crimp Tools provide real-time access to an extensive database of hose and fitting specifications, helping to reduce downtime and boost productivity.

Key Features of Manuli's Digital Crimp Tools:

Print Feature: This feature supports printing crimping parameters as reference charts for both single or multiple hose sizes within a selected hose family, supporting workshop and warehouse use.

Saved Items: Frequently used hose and fitting combinations can be saved within the app, allowing quick access to commonly used crimping parameters during routine hose assembly tasks.

Technical Centre: The Digital Crimp Tools are supported by a dedicated section on our website called the Technical Centre. This integrated resource provides expert insights, practical tips, and industry knowledge, with access to in depth guides and best practice information.

Accurate Crimping Parameters: To ensure accuracy on their crimping parameters, customers should regularly access the Manuli Digital Crimp Tools to check for updates. It is also recommended that printed charts should be reprinted regularly to ensure crimping information remains up to date.

Download the Manuli Crimp App Now

Download on the App Store

ANDROID APP ON Google play

DON'T MIX & MATCH

www.manuli-hydraulics.com

manuli® HYDRAULICS

www.manuli-hydraulics.com

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