ALFAGOMMA

# ISOBARIC RANGE 18752




ALFAGOMMA GROUP

# // NEW EN ISO 18752 ISOBARIC HOSE RANGE

The Alfagomma isobaric hose range offers a complete selection of wire braid and spiral hoses designed and manufactured in compliance with the **EN ISO 18752 standard**, ensuring maximum efficiency, safety, and durability across a wide array of hydraulic applications.



## COMPACT, SAFE, AND SUPERIOR

- **Constant Pressure:** Alfagomma isobaric hoses maintain constant pressure across all diameters, making selection easy and reducing failure risks under extreme conditions for a safer work environment.
- **Top Performance:** Fully compliant with UNI EN ISO 18752, isobaric hoses excel in demanding environments, with BC and CC grades suitable for medium to high-pressure applications.
- **Durability & Safety:** Manufactured from premium materials, these hoses resist abrasion, ozone, and hydrocarbons. Minetuff MSHA-approved flame-resistant covers ensure safety and longevity, even in hazardous environments including mining applications.
  Supertuff covers for low friction, high abrasion, or underwater resistance are available on request.
- **Unmatched Flexibility:** With an extreme bend radius, isobaric hose range are up to 60% more flexible than ISO 18752 and SAE 100 standards, allowing for easy installation and operation in various applications.
- **Versatile Pressure Options:** Available in pressure ratings from 3,000 PSI to 6,000 PSI, isobaric hoses meet diverse hydraulic needs.

**CHOOSE ALFAGOMMA ISOBARIC HYDRAULIC HOSES FOR RELIABILITY, SAFETY, AND SUPERIOR PERFORMANCE IN ANY APPLICATION**

## // ISO 18752 PERFORMANCE DEFINITIONS (4.2 GRADES AND TYPES)

| Grade | Type[a] | Resistance to impulse | | |
|---|---|---|---|---|
| | | Temperature | Impulse pressure (% of MWP[b]) | Minimum number of cyles |
| A | AS / AC | 100 °C (212 °F) | 133% | 200,000 |
| B | BS / BC | 100 °C (212 °F) | 133% | 500,000 |
| C | CS / CC | 120 °C (248 °F) | 133% and 120%[C] | 500,000 |
| D | DC | 120 °C (248 °F) | 133% | 1,000,000 |

[a] Standard or compact, e.g. CS is grande C and standard type.
Standard types have larger outside diameters and larger bend radii and compact types have smaller outside diameters and smaller bend radii.

[b] Maximum working pressure

[c] 120% of the MWP shall be used for classes 350, 420, 490 and 560 instead of 133%.
ISO 18752 classifies according to their resistance to impulse into four grades: A, B, C and D. Each grade is classified by outside diameter into standard types (AS, BS and CS) and compact types (AC, BC, CC, DC) as shown in this table.




# // HOSE

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Design and dimensions shown may be changed without prior notice

# // WIRE BRAID HOSES

## // ALFAGOMMA ISO-TECH 3K - MINETUFF NEW



MSHA

### ISO 18752 BC/CC - exceeds SAE 100 R17 - EN 857 1SC

**Tube:** oil resistant synthetic rubber.
**Reinforcement:** one/two high tensile steel braids.
**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber.
**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.
Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.
**Temperature:** DN6, 8, 10, 12: -40 °C +100 °C (-40 °F +212 °F)
DN16, 20, 25: -40 °C +120 °C (-40 °F +250 °F)
air max T = +70 °C (+160 °F)
**Length:** random

| Item Code | Constr. | ID (Dash) | ID (mm) | ID (in) | OD (mm) | OD (in) | WP (Mpa) | WP (psi) | BP (Mpa) | BP (psi) | BR (mm) | BR (in) | Weight (kg/m) | Weight (lb/ft) | Tech. Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1005751 | 1WB | 4 | 6,0 | 1/4" | 12,1 | 0,48 | 21,0 | 3000 | 84,0 | 12000 | 50 | 1,97 | 0,167 | 0,12 | ISO BC |
| 1005752 | 1WB | 5 | 8,0 | 5/16" | 13,3 | 0,52 | 21,0 | 3000 | 84,0 | 12000 | 55 | 2,17 | 0,190 | 0,13 | ISO BC |
| 1005753 | 1WB | 6 | 10,0 | 3/8" | 15,4 | 0,61 | 21,0 | 3000 | 84,0 | 12000 | 65 | 2,56 | 0,256 | 0,18 | ISO BC |
| 1005754 | 1WB | 8 | 13,0 | 1/2" | 19,2 | 0,76 | 21,0 | 3000 | 84,0 | 12000 | 90 | 3,54 | 0,360 | 0,25 | ISO BC |
| 1005755 | 2WB | 10 | 16,0 | 5/8" | 23,2 | 0,91 | 21,0 | 3000 | 84,0 | 12000 | 100 | 3,94 | 0,598 | 0,41 | ISO CC |
| 1005756 | 2WB | 12 | 19,0 | 3/4" | 27,9 | 1,10 | 21,0 | 3000 | 84,0 | 12000 | 120 | 4,72 | 0,821 | 0,56 | ISO CC |
| 1005757 | 2WB | 16 | 25,0 | 1" | 35,5 | 1,40 | 21,0 | 3000 | 84,0 | 12000 | 150 | 5,91 | 1,266 | 0,86 | ISO CC |

Supertuff: version available on request. The Ultra High Molecular Weight Polyetilene (UHMWPE) cover is specially designed for extreme applications where low friction and very high abrasion or underwater resistance are necessary. Note: minimum order quantity could apply on specific part numbers.

Design and dimensions shown may be changed without prior notice

## // ALFAGOMMA ISO-TECH 4K - MINETUFF NEW



MSHA

### ISO 18752 BC/CC - exceeds EN 857 2SC - ISO 11237 - SAE 100 R16

**Tube:** oil resistant synthetic rubber.
**Reinforcement:** two high tensile steel braids.
**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber.
**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.
Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.
**Temperature:** DN6, 8, 10, 12 -40 °C +120 °C (-40 °F +250 °F)
DN16, 20 -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
**Length:** random

| Item Code | ID (Dash) | ID (mm) | ID (in) | OD (mm) | OD (in) | WP (Mpa) | WP (psi) | BP (Mpa) | BP (psi) | BR (mm) | BR (in) | Weight (kg/m) | Weight (lb/ft) | Tech. Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1005770 | 4 | 6,0 | 1/4" | 13,0 | 0,51 | 28,0 | 4000 | 112,0 | 16000 | 50 | 1,97 | 0,259 | 0,18 | ISO CC |
| 1005771 | 5 | 8,0 | 5/16" | 14,5 | 0,57 | 28,0 | 4000 | 112,0 | 16000 | 55 | 2,17 | 0,313 | 0,22 | ISO CC |
| 1005772 | 6 | 10,0 | 3/8" | 16,8 | 0,66 | 28,0 | 4000 | 112,0 | 16000 | 65 | 2,56 | 0,373 | 0,26 | ISO CC |
| 1005773 | 8 | 13,0 | 1/2" | 20,6 | 0,81 | 28,0 | 4000 | 112,0 | 16000 | 90 | 3,54 | 0,502 | 0,34 | ISO CC |
| 1005774 | 10 | 16,0 | 5/8" | 23,2 | 0,91 | 28,0 | 4000 | 112,0 | 16000 | 100 | 3,94 | 0,598 | 0,41 | ISO BC |
| 1005775 | 12 | 19,0 | 3/4" | 27,4 | 1,08 | 28,0 | 4000 | 112,0 | 16000 | 150 | 5,91 | 0,831 | 0,56 | ISO BC |

Supertuff: version available on request. The Ultra High Molecular Weight Polyetilene (UHMWPE) cover is specially designed for extreme applications where low friction and very high abrasion or underwater resistance are necessary. Note: minimum order quantity could apply on specific part numbers.

## // ALFAGOMMA ISO-TECH 5K - MINETUFF NEW



MSHA

### ISO 18752 BC/CC - exceeds EN 857 2SC - ISO 11237 - SAE 100 R16

**Tube:** oil resistant synthetic rubber.
**Reinforcement:** two high tensile steel braids.
**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber.
**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.
Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.
**Temperature:** DN6, 8 -40 °C +120 °C (-40 °F +250 °F)
DN10, 12 -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
**Length:** random

| Item Code | ID (Dash) | ID (mm) | ID (in) | OD (mm) | OD (in) | WP (Mpa) | WP (psi) | BP (Mpa) | BP (psi) | BR (mm) | BR (in) | Weight (kg/m) | Weight (lb/ft) | Tech. Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1005785 | 4 | 6,0 | 1/4" | 13,0 | 0,51 | 35,0 | 5000 | 140,0 | 20000 | 50 | 1,97 | 0,259 | 0,18 | ISO CC |
| 1005786 | 5 | 8,0 | 5/16" | 14,5 | 0,57 | 35,0 | 5000 | 140,0 | 20000 | 55 | 2,17 | 0,313 | 0,22 | ISO CC |
| 1005787 | 6 | 10,0 | 3/8" | 16,8 | 0,66 | 35,0 | 5000 | 140,0 | 20000 | 65 | 2,56 | 0,373 | 0,26 | ISO BC |
| 1005788 | 8 | 13,0 | 1/2" | 21,0 | 0,83 | 35,0 | 5000 | 140,0 | 20000 | 120 | 4,72 | 0,534 | 0,36 | ISO BC |

Supertuff: version available on request. The Ultra High Molecular Weight Polyetilene (UHMWPE) cover is specially designed for extreme applications where low friction and very high abrasion or underwater resistance are necessary. Note: minimum order quantity could apply on specific part numbers.

# // WIRE SPIRAL HOSES

## // ALFABIOTECH EVOLUTION 3K - MINETUFF NEW



MSHA

### ISO 18752 - exceeds SAE 100 R12

**Tube:** petroleum and biodegradable hydraulic fluid resistant synthetic rubber.
**Reinforcement:** four high tensile steel spirals.
**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber.
**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.
Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.
**Temperature:** -40 °C +120 °C (-40 °F +250 °F)
**Length:** 61 m max

| Item Code | ID (Dash) | ID (mm) | ID (in) | OD (mm) | OD (in) | WP (Mpa) | WP (psi) | BP (Mpa) | BP (psi) | BR (mm) | BR (in) | Weight (kg/m) | Weight (lb/ft) | Tech. Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1004782 | 20 | 32,0 | 1 1/4" | 44,9 | 1,77 | 21,0 | 3000 | 84,0 | 12000 | 210 | 8,27 | 1,917 | 1,29 | ISO CC |
| 1004783 | 24 | 38,0 | 1 1/2" | 50,6 | 1,99 | 21,0 | 3000 | 84,0 | 12000 | 250 | 9,84 | 2,445 | 1,65 | ISO CC |
| 1004784 | 32 | 51,0 | 2" | 64,7 | 2,55 | 21,0 | 3000 | 84,0 | 12000 | 318 | 12,52 | 4,080 | 2,75 | ISO CC |

Supertuff: version available on request. The Ultra High Molecular Weight Polyetilene (UHMWPE) cover is specially designed for extreme applications where low friction and very high abrasion or underwater resistance are necessary. Note: minimum order quantity could apply on specific part numbers.

## // ALFABIOTECH EVOLUTION 4K - MINETUFF NEW



MSHA

### ISO 18752

**Tube:** petroleum and biodegradable hydraulic fluid resistant synthetic rubber.
**Reinforcement:** four high tensile steel spirals.
**Cover:** smooth up to 1", wrapped over 1". Abrasion, ozone and hydrocarbon resistant synthetic rubber.
**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.
Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.
**Temperature:** -40 °C +120 °C (-40 °F +250 °F)
**Length:** random up to 1" - 61 m max over 1 1/4"

| Item Code | ID (Dash) | ID (mm) | ID (in) | OD (mm) | OD (in) | WP (Mpa) | WP (psi) | BP (Mpa) | BP (psi) | BR (mm) | BR (in) | Weight (kg/m) | Weight (lb/ft) | Tech. Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1004894 | 8 | 13,0 | 1/2" | 22,6 | 0,89 | 28,0 | 4000 | 112,0 | 16000 | 90 | 3,54 | 0,624 | 0,42 | ISO CC |
| 1004754 | 12 | 19,0 | 3/4" | 29,0 | 1,14 | 28,0 | 4000 | 112,0 | 16000 | 120 | 4,72 | 0,978 | 0,66 | ISO CC |
| 1004755 | 16 | 25,0 | 1" | 37,2 | 1,46 | 28,0 | 4000 | 112,0 | 16000 | 150 | 5,91 | 1,479 | 1,00 | ISO CC |
| 1004773 | 20 | 32,0 | 1 1/4" | 44,2 | 1,74 | 28,0 | 4000 | 112,0 | 16000 | 210 | 8,27 | 2,400 | 1,62 | ISO CC |
| 1004756 | 24 | 38,0 | 1 1/2" | 50,6 | 1,99 | 29,0 | 4200 | 116,0 | 16800 | 250 | 9,84 | 2,802 | 1,89 | ISO CC |
| 1004757 | 32 | 51,0 | 2" | 64,7 | 2,55 | 28,0 | 4000 | 112,0 | 16000 | 318 | 12,52 | 4,001 | 2,69 | ISO CC |

Supertuff: version available on request. The Ultra High Molecular Weight Polyetilene (UHMWPE) cover is specially designed for extreme applications where low friction and very high abrasion or underwater resistance are necessary. Note: minimum order quantity could apply on specific part numbers.

Design and dimensions shown may be changed without prior notice

## // ALFABIOTECH EVOLUTION 5K - MINETUFF NEW



MSHA

### exceeds ISO 18752

**Tube:** petroleum and biodegradable hydraulic fluid resistant synthetic rubber.
**Reinforcement:** four/six high tensile steel spirals.
**Cover:** smooth up to 1", wrapped over 1". Abrasion, ozone and hydrocarbon resistant synthetic rubber.
**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.
Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.
**Temperature:** -40 °C +120 °C (-40 °F +250 °F)
**Length:** random up to 1" - 61 m max over 1 1/4"

| Item Code | Constr. | ID (Dash) | ID (mm) | ID (in) | OD (mm) | OD (in) | WP (Mpa) | WP (psi) | BP (Mpa) | BP (psi) | BR (mm) | BR (in) | Weight (kg/m) | Weight (lb/ft) | Tech. Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1004743 | 4WS | 10 | 16,0 | 5/8" | 25,2 | 0,99 | 35,0 | 5000 | 140,0 | 20000 | 100 | 3,94 | 0,890 | 0,60 | ISO CC |
| 1004744 | 4WS | 12 | 19,0 | 3/4" | 29,4 | 1,16 | 35,0 | 5000 | 140,0 | 20000 | 120 | 4,72 | 1,166 | 0,79 | ISO CC |
| 1004745 | 4WS | 16 | 25,0 | 1" | 37,4 | 1,47 | 35,0 | 5000 | 140,0 | 20000 | 150 | 5,91 | 1,730 | 1,17 | ISO CC |
| 1004746 | 4WS | 20 | 32,0 | 1 1/4" | 44,0 | 1,73 | 35,0 | 5000 | 140,0 | 20000 | 210 | 8,27 | 2,400 | 1,62 | ISO CC |
| 1004747 | 6WS | 24 | 38,0 | 1 1/2" | 54,8 | 2,16 | 35,0 | 5000 | 140,0 | 20000 | 250 | 9,84 | 3,924 | 2,64 | ISO CC |
| 1004748 | 6WS | 32 | 51,0 | 2" | 68,7 | 2,70 | 35,0 | 5000 | 140,0 | 20000 | 318 | 12,52 | 5,787 | 3,89 | ISO CC |

Supertuff: version available on request. The Ultra High Molecular Weight Polyetilene (UHMWPE) cover is specially designed for extreme applications where low friction and very high abrasion or underwater resistance are necessary. Note: minimum order quantity could apply on specific part numbers.

## // ALFABIOTECH LEADER 5K MINETUFF NEW



### ISO 18752 DC

**Tube:** oil resistant synthetic rubber and biodegradable hydraulic fluids.
**Reinforcement:** four/six high tensile steel spirals.
**Cover:** smooth up to 1", wrapped over 1". Abrasion, ozone and hydrocarbon resistant synthetic rubber.
**Application:** developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
**Temperature:** -40 °C +121 °C (-40 °F +250 °F)
**Length:** random up to 1" - 61 m max over 1 1/4"

| Item Code | Constr. | ID (Dash) | ID (mm) | ID (in) | OD (mm) | OD (in) | WP (Mpa) | WP (psi) | BP (Mpa) | BP (psi) | BR (mm) | BR (in) | Weight (kg/m) | Weight (lb/ft) | Tech. Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1005645 | 4WS | 4 | 6,0 | 1/4" | 16,9 | 0,67 | 35,0 | 5000 | 140,0 | 20000 | 60 | 2,36 | 0,545 | 0,37 | ISO DC |
| 1005701 | 4WS | 6 | 10,0 | 3/8" | 19,8 | 0,78 | 35,0 | 5000 | 140,0 | 20000 | 75 | 2,95 | 0,623 | 0,42 | ISO DC |
| 1005702 | 4WS | 8 | 13,0 | 1/2" | 22,5 | 0,89 | 35,0 | 5000 | 140,0 | 20000 | 90 | 3,54 | 0,744 | 0,51 | ISO DC |
| 1005703 | 4WS | 10 | 16,0 | 5/8" | 27,5 | 1,08 | 35,0 | 5000 | 150,0 | 22000 | 100 | 3,94 | 1,241 | 0,84 | ISO DC |
| 1005647 | 4WS | 12 | 19,0 | 3/4" | 30,4 | 1,20 | 35,0 | 5000 | 140,0 | 20000 | 120 | 4,72 | 1,378 | 0,93 | ISO DC |
| 1005704 | 4WS | 16 | 25,0 | 1" | 38,0 | 1,50 | 35,0 | 5000 | 140,0 | 20000 | 150 | 5,91 | 2,008 | 1,35 | ISO DC |
| 1005705 | 6WS | 20 | 32,0 | 1 1/4" | 47,6 | 1,87 | 35,0 | 5000 | 140,0 | 20000 | 225 | 8,86 | 3,147 | 2,12 | ISO DC |
| 1005648 | 6WS | 24 | 38,0 | 1 1/2" | 54,4 | 2,14 | 35,0 | 5000 | 140,0 | 20000 | 255 | 10,04 | 4,196 | 2,82 | ISO DC |
| 1005738 | 6WS | 32 | 51,0 | 2" | 68,7 | 2,70 | 35,0 | 5000 | 140,0 | 20000 | 318 | 12,52 | 5,787 | 3,89 | ISO DC |

Supertuff: version available on request. The Ultra High Molecular Weight Polyetilene (UHMWPE) cover is specially designed for extreme applications where low friction and very high abrasion or underwater resistance are necessary. Note: minimum order quantity could apply on specific part numbers.

## // ALFABIOTECH EVOLUTION 5K PLUS - MINETUFF NEW



MSHA

### ISO 18752

**Tube:** petroleum and biodegradable hydraulic fluid resistant synthetic rubber.
**Reinforcement:** four high tensile steel spirals.
**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber.
**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.
Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.
**Temperature:** -40 °C +120 °C (-40 °F +250 °F)
**Length:** random

| Item Code | ID (Dash) | ID (mm) | ID (in) | OD (mm) | OD (in) | WP (Mpa) | WP (psi) | BP (Mpa) | BP (psi) | BR (mm) | BR (in) | Weight (kg/m) | Weight (lb/ft) | Tech. Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1004749 | 12 | 19,0 | 3/4" | 30,2 | 1,19 | 38,0 | 5500 | 152,0 | 22040 | 120 | 4,72 | 1,276 | 0,86 | ISO CC |
| 1004750 | 16 | 25,0 | 1" | 37,4 | 1,47 | 38,0 | 5500 | 152,0 | 22040 | 150 | 5,91 | 1,817 | 1,23 | ISO CC |

Supertuff: version available on request. The Ultra High Molecular Weight Polyetilene (UHMWPE) cover is specially designed for extreme applications where low friction and very high abrasion or underwater resistance are necessary. Note: minimum order quantity could apply on specific part numbers.

## // ALFABIOTECH EVOLUTION 6K - MINETUFF NEW



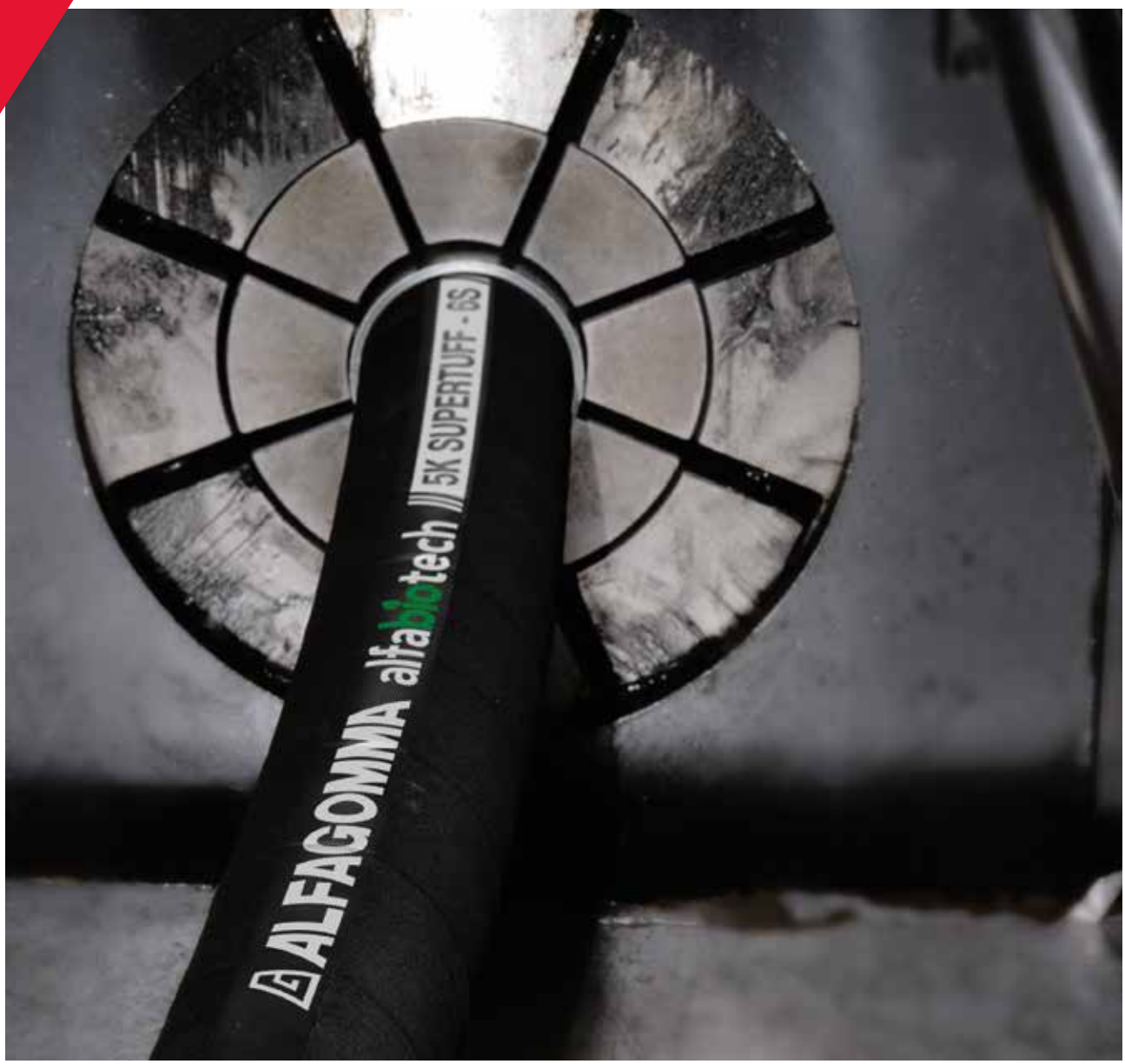
MSHA

### ISO 18752 - exceeds SAE 100 R15

**Tube:** petroleum and biodegradable hydraulic fluid resistant synthetic rubber.
**Reinforcement:** four/six high tensile steel spirals.
**Cover:** smooth up to 1", wrapped over 1". Abrasion, ozone and hydrocarbon resistant synthetic rubber.
**Application:** very high pressure hydraulic lines, fuel, oil, lubricants, antifreeze solution, air and water.
Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.
**Temperature:** -40 °C +120 °C (-40 °F +250 °F)
**Length:** random up to 1" - 61 m max over 1 1/4"

| Item Code | Constr. | ID (Dash) | ID (mm) | ID (in) | OD (mm) | OD (in) | WP (Mpa) | WP (psi) | BP (Mpa) | BP (psi) | BR (mm) | BR (in) | Weight (kg/m) | Weight (lb/ft) | Tech. Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1004774 | 4WS | 4 | 6,0 | 1/4" | 17,0 | 0,67 | 45,0 | 6550 | 180,0 | 26200 | 60 | 2,36 | 0,510 | 0,35 | ISO CC |
| 1004775 | 4WS | 6 | 10,0 | 3/8" | 19,8 | 0,78 | 44,5 | 6450 | 178,0 | 25800 | 75 | 2,95 | 0,601 | 0,41 | ISO CC |
| 1004776 | 4WS | 8 | 13,0 | 1/2" | 22,5 | 0,89 | 42,0 | 6000 | 168,0 | 24000 | 90 | 3,54 | 0,710 | 0,48 | ISO CC |
| 1004777 | 4WS | 10 | 16,0 | 5/8" | 27,8 | 1,09 | 42,0 | 6000 | 168,0 | 24000 | 100 | 3,94 | 1,190 | 0,80 | ISO CC |
| 1004778 | 4WS | 12 | 19,0 | 3/4" | 30,6 | 1,20 | 42,0 | 6000 | 168,0 | 24000 | 120 | 4,72 | 1,371 | 0,93 | ISO CC |
| 1004779 | 4WS | 16 | 25,0 | 1" | 38,0 | 1,50 | 42,0 | 6000 | 168,0 | 24000 | 150 | 5,91 | 2,017 | 1,36 | ISO CC |
| 1004780 | 6WS | 20 | 32,0 | 1 1/4" | 47,6 | 1,87 | 42,0 | 6000 | 168,0 | 24000 | 225 | 8,86 | 3,071 | 2,07 | ISO CC |
| 1004781 | 6WS | 24 | 38,0 | 1 1/2" | 54,4 | 2,14 | 42,0 | 6000 | 168,0 | 24000 | 305 | 12,01 | 4,144 | 2,79 | ISO CC |
| 1004818 | 6WS | 32 | 51,0 | 2" | 68,7 | 2,70 | 42,0 | 6000 | 168,0 | 24000 | 380 | 14,96 | 6,031 | 4,06 | ISO CC |

Supertuff: version available on request. The Ultra High Molecular Weight Polyetilene (UHMWPE) cover is specially designed for extreme applications where low friction and very high abrasion or underwater resistance are necessary. Note: minimum order quantity could apply on specific part numbers.




# // FERRULE SELECTION CHART

// NO SKIVE FERRULE FOR STANDARD FITTINGS ..... 10
// SKIVE FERRULE FOR STANDARD FITTINGS ..... 10
// INTERLOCK FERRULE FOR INTERLOCK FITTINGS ..... 10
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Design and dimensions shown may be changed without prior notice

# // NO SKIVE FERRULE FOR STANDARD FITTINGS

| Hose | Table n° | -03 DN 5 3/16" | -04 DN 6 1/4" | -05 DN 8 5/16" | -06 DN 10 3/8" | -08 DN 12 1/2" | -10 DN 16 5/8" | -12 DN 19 3/4" | -16 DN 25 1" | -20 DN 32 1 1/4" | -24 DN 38 1 1/2" | -32 DN 51 2" | -40 DN 63 2 1/2" | -48 DN 76 3" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ISO-TECH 3K | 735 | | H1200AD1 | H1200AD1 | H1200AD1 | H1200AD1 | H1200AD1 | H1200AD1 | H1200AD1 | | | | | |
| ISO-TECH 4K | 737 | | H1200AD1 | H1200AD1 | H1200AD1 | H1200AD1 | H1200AD1 | | | | | | | |
| ISO-TECH 5K | 739 | | H1200AD1 | H1200AD1 | H1200AD1 | | | | | | | | | |

# // SKIVE FERRULE FOR STANDARD FITTINGS

| Hose | Table n° | -03 DN 5 3/16" | -04 DN 6 1/4" | -05 DN 8 5/16" | -06 DN 10 3/8" | -08 DN 12 1/2" | -10 DN 16 5/8" | -12 DN 19 3/4" | -16 DN 25 1" | -20 DN 32 1 1/4" | -24 DN 38 1 1/2" | -32 DN 51 2" | -40 DN 63 2 1/2" | -48 DN 76 3" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ISO-TECH 3K | 734 | | H1100SK1 | H1100SK1 | H1100SK1 | H1100SK1 | H1100SK1 | H1100SK1 | H1100SK1 | | | | | |
| ISO-TECH 4K | 736 | | H1100SK1 | H1100SK1 | H1100SK1 | H1100SK1 | H1100SK1 | H1100SK1 | | | | | | |
| ISO-TECH 5K | 738 | | H1100SK1 | H1100SK1 | H1100SK1 | H1100SK1 | | | | | | | | |
| ALFABIOTECH EVOLUTION 3K | 320 | | | | | | | | | H1100404 | H1100404 | H1100404 | | |
| ALFABIOTECH EVOLUTION 4K | 321 | | | | H1100404 | H1100404 | H1100404 | H1100404 | H1100404 | H1100404 | H1100404 | H1100404 | | |
| ALFABIOTECH EVOLUTION 5K | 322 | | | | | | H1100404 | H1100404 | H1100404 | | | | | |
| ALFABIOTECH EVOLUTION 5K PLUS | 323 | | | | | | | H1100404 | | | | | | |
| ALFABIOTECH EVOLUTION 6K | 324 | | H1100404 | | H1100404 | H1100404 | | | | | | | | |

# // INTERLOCK FERRULE FOR INTERLOCK FITTINGS

| Hose | Table n° | -06 DN 10 3/8" | -08 DN 12 1/2" | -10 DN 16 5/8" | -12 DN 19 3/4" | -16 DN 25 1" | -20 DN 32 1 1/4" | -24 DN 38 1 1/2" | -32 DN 51 2" | -40 DN 63 2 1/2" | -48 DN 76 3" | -56 DN 90 3 1/2" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALFABIOTECH EVOLUTION 4K | 708 | | | | | H1700200 | H1700200 | H1700200 | H1700200 | | | |
| ALFABIOTECH EVOLUTION 5K | 710 | | | | H1700200 | H1700200 | H1700200 | H1700301 | H1700301 | H1T00600* | | |
| ALFABIOTECH EVOLUTION 5K PLUS | 712 | | | | H1700200 | H1700200 | | | | | | |
| ALFABIOTECH EVOLUTION 6K | 714 | | | H1700301 | H1700200 | H1700200 | H1700301 | H1700301 | H1T00600* | | | |

Design and dimensions shown may be changed without prior notice

# // NO SKIVE FERRULE FOR MULTISPIRAL FITTINGS

| Hose | Table n° | -06 DN 10 3/8" | -08 DN 12 1/2" | -10 DN 16 5/8" | -12 DN 19 3/4" | -16 DN 25 1" | -20 DN 32 1 1/4" | -24 DN 38 1 1/2" | -32 DN 51 2" |
|---|---|---|---|---|---|---|---|---|---|
| ALFABIOTECH EVOLUTION 4K | 325 | | | | | | | H1300NS4 | H1300NS4 |
| | 726 | H1800NSS NEW | H1800NSS NEW | H1800NSS NEW | H1800NSS NEW | H1800NSS NEW | H1800NSS NEW | H1800NSS | H1800NSS |
| ALFABIOTECH EVOLUTION 5K | 326 | | | | H1300NS4 | H1300NS4 | H1300NS4 | H1300NS6 | H1300NS6 |
| | 727 | | | H1800NSS NEW | H1800NSS | H1800NSS | H1800NSS | H1800NSS | H1800NSS |
| ALFABIOTECH EVOLUTION 5K PLUS | 327 | | | | H1300NS4 | H1300NS4 | | | |
| | 728 | | | | H1800NSS | H1800NSS | | | |
| ALFABIOTECH EVOLUTION 6K | 328 | | | | H1300NS4 | H1300NS4 | H1300NS6 | | |
| | 729 | H1800NSS NEW | H1800NSS NEW | H1800NSS NEW | H1800NSS | H1800NSS | H1800NSS | H1800NSS NEW | |

# // ALFACRIMP - ONE PIECE NO SKIVE

| Hose | Table n° | -04 DN 6 1/4" | -05 DN 8 5/16" | -06 DN 10 3/8" | -08 DN 12 1/2" | -10 DN 16 5/8" | -12 DN 19 3/4" | -16 DN 25 1" | -20 DN 32 1 1/4" | -24 DN 38 1 1/2" | -32 DN 51 2" | -48 DN 76 3" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ISO-TECH 3K | 742 | C12A | C12A | C12A | C12A | C12A | C12A | C12A | | | | |
| ISO-TECH 4K | 743 | C12A | C12A | C12A | C12A | C12A | | | | | | |
| ISO-TECH 5K | 744 | C12A | C12A | C12A | C12A | | | | | | | |
| ALFABIOTECH EVOLUTION 3K | 725 | | | | | | | | C12A | C12A | C12A | |
| | 718 | | | | | | | | C18S | C18S | C18S | |
| ALFABIOTECH EVOLUTION 4K | 329 | | | C124 | C124 | C124 | C124 | C124 | | | | |
| | 330 | | | | | | | | C126 | | | |
| | 719 | | | C18S | C18S | C18S | C18S | C18S | C18S NEW | C18S NEW | C18S | |
| ALFABIOTECH EVOLUTION 5K | 331 | | | | | | C126 | C126 | C126 | C126 | C126 | |
| | 720 | | | | | C18S NEW | C18S | C18S | C18S | C18S | C18S | |
| ALFABIOTECH LEADER 5K | 733 | C18S NEW | | C18S NEW | C18S NEW | C18S NEW | C18S NEW | C18S NEW | C18S NEW | C18S NEW | C18S NEW | |
| ALFABIOTECH EVOLUTION 5K PLUS | 721 | | | | | | C18S NEW | C18S NEW | | | | |
| ALFABIOTECH EVOLUTION 6K | 335 | | | | | | C126 | C126 | C126 | | | |
| | 722 | C18S NEW | | C18S NEW | C18S NEW | C18S NEW | C18S | C18S | C18S | C18S NEW | | |

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