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HYDRAULIEKSLANG
HYDRAULIC HOSE









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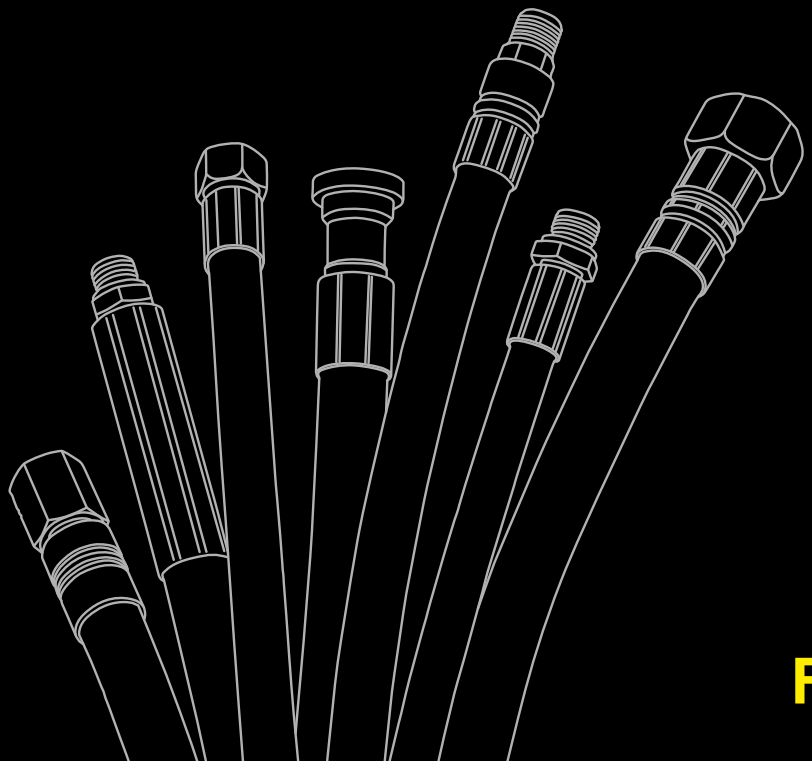
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ALFAGOMMA GROUP



HYDRAULIC HOSE FITTINGS & ADAPTERS









DUNLOP HIFLEX

Dunlop Hiflex is one of the market's most established suppliers of hydraulics hoses and couplings, industrial hoses and fittings. The manufacturing of hoses and couplings, for both high and low pressure, gives Dunlop Hiflex extensive knowledge of the products and enables it to put forward suggestions for new solutions and enhancements to industry.



5 COUNTRIES	**302** PEOPLE	**68** MILLION € TURNOVER
41 STORES	**87** DISTRIBUTORS	**ISO 9001** CERTIFICATION

// DUNLOP HIFLEX



// THE FIRST HOSES

Scotland, 1887. John Boyd Dunlop, a Scottish born inventive veterinarian observes his son as he's cycling down a bumpy road. The bike has hard solid rubber tyres and the ride is rough and shaky. The ride is neither fast nor particularly comfortable.
He then comes up with an idea of wrapping an air filled rubber hose around the rim.
In 1888 he patented the idea and the rest as we say, is history.



// A PRODUCT THAT CHANGES THE WORLD

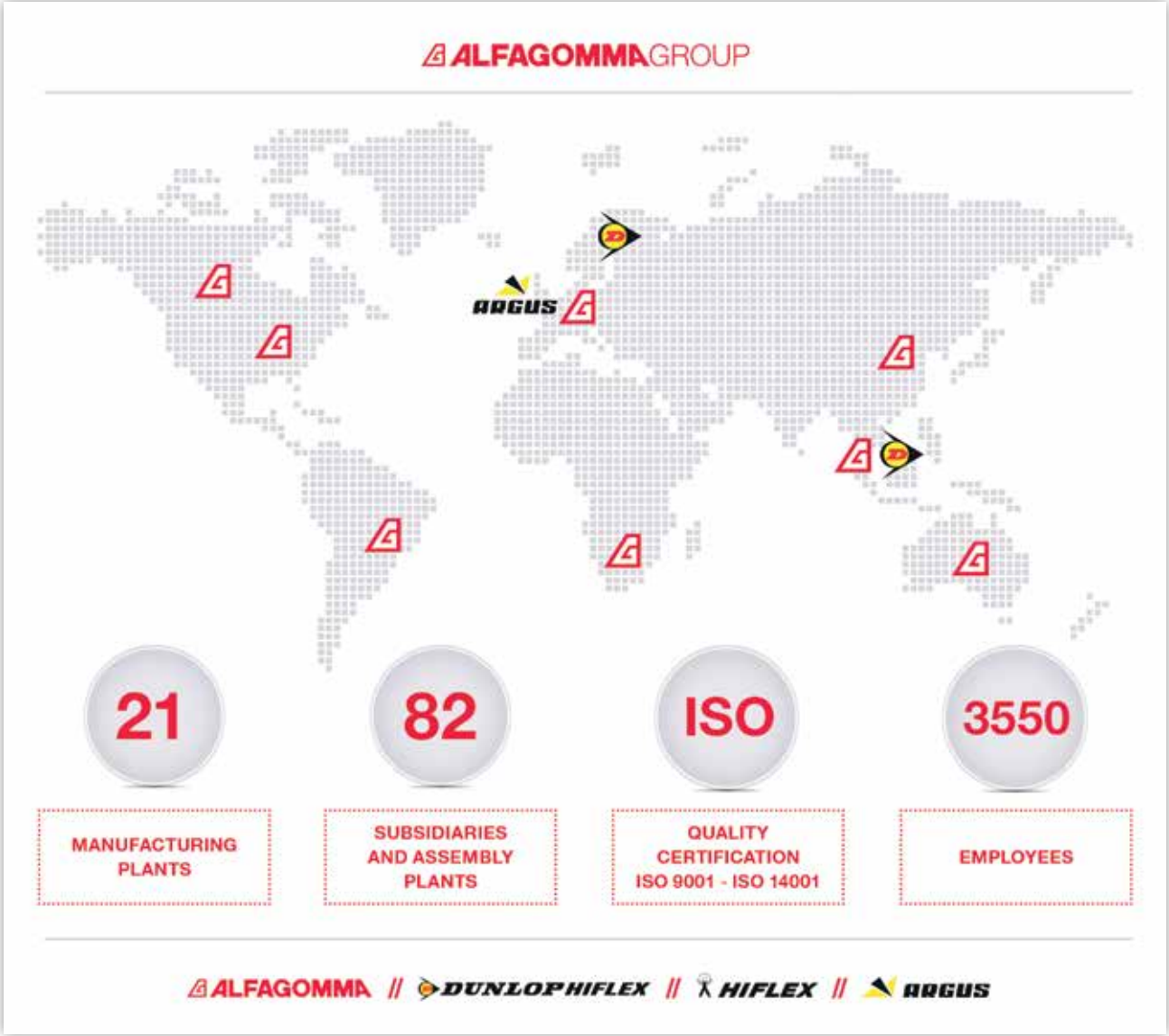
John Dunlop's idea about air-filled rubber hoses was the beginning of an industrial manufacturing of air-filled tires and, later, a development of hydraulic and industrial hoses. We, at Dunlop Hiflex, are specialists at hoses for high and low pressure and through our unique position with manufacturing in our own factories we are leading the development of the next generation of hoses. Since 1969 there's been a constant development with a headquarter in Halmstad. Today we are a part of the ALFAGOMMA GROUP, one of the leading manufactures of hoses in the world. But we still carry the name that originated from a Scot and bike with pride.

// ALFAGOMMA GROUP

Dunlop Hiflex was acquired by ALFAGOMMA Group in 2005. The Group, established in 1956, is a global manufacturer specialized in highly engineered, technically demanding hydraulic and industrial products, created with a commitment to excellence in quality and innovation.

// RESEARCH AND DEVELOPMENT

ALFAGOMMA is focused on continuous improvement, proven by its constant engineering innovation at product, process and production level, which has made it possible to quickly respond to evolving international regulations, improving products performance, safety and efficiency.
The company's distinguishing feature is its ability to innovate, by investing in research and development of products and materials, and designing solutions that meet customer's requirements, in compliance with international regulations.



// APPLICATIONS OVERVIEW

















HYDRAULIC AND INDUSTRIAL INTEGRATED FLUID HANDLING SOLUTIONS



HYDRAULIC AND INDUSTRIAL INTEGRATED FLUID HANDLING SOLUTIONS

- COMPLETE PORT-TO-PORT SYSTEMS
- COHERENT AND INEGRATED DESIGN LOGIC
- MAXIMUM QUALITY, SAFETY AND RELIABILITY
- TOTAL COMPONENT TRACEBILITY
- CUSTOMIZED SOLUTIONS
- EXPERT COMPONENT SELECTION FOR COST EFFECTIVE OPTIMUM PERFORMANCE

www.dunlophiflex.com

DUNLOPHIFLEX

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// SYMBOLS

- INTERNAL DIAMETER
- OUTSIDE DIAMETER
- MAXIMUM WORKING PRESSURE
- MINIMUM BURST PRESSURE
- MINIMUM BEND RADIUS
- WALL THICKNESS
- WEIGHT



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// THERMOPLASTIC

// 630 - MINIMESS



PRESSURE TEST POINT (63-MS-..)

Tube: polyester.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for pressure gauges and transducers connections.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000310	01	2,0	5/64"	5,00	0,20	63,0	9100	190,0	27300	20,0	0,79	0,020	0,02
1001522	L2	4,0	5/32"	8,00	0,31	63,0	9100	190,0	27300	40,0	1,57	0,045	0,04

// 570A - R7



SAE 100 R7 - EN 855 R7 (20-700-..)

Tube: polyester.
Reinforcement: one/two high tensile textile braids.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000290	03	5,0	3/16"	9,60	0,38	21,0	3000	84,0	12000	25,0	0,98	0,060	0,05
1000291	04	6,0	1/4"	12,20	0,48	21,0	3000	84,0	12000	35,0	1,38	0,100	0,07
1001151	04	6,0	1/4"	12,20	0,48	21,0	3000	84,0	12000	35,0	1,38	0,100	0,07
1001234	05	8,0	5/16"	14,30	0,56	19,0	2750	76,0	11000	45,0	1,77	0,130	0,09
1000292	05	8,0	5/16"	14,30	0,56	19,0	2750	76,0	11000	45,0	1,77	0,130	0,09
1000293	06	10,0	3/8"	16,00	0,63	16,0	2320	64,0	9280	55,0	2,17	0,145	0,10
1001152	06	10,0	3/8"	16,00	0,63	16,0	2320	64,0	9280	55,0	2,17	0,145	0,10
1000294	08	13,0	1/2"	20,30	0,80	14,0	2000	56,0	8000	75,0	2,95	0,220	0,15
1001153	08	13,0	1/2"	20,30	0,80	14,0	2000	56,0	8000	75,0	2,95	0,220	0,15

Dimensions shown may be changed without prior notice

// 570A - R7 TWIN



SAE 100 R7 - EN 855 R7 (20-750-..)

Tube: polyester.
Reinforcement: one/two high tensile textile braids.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000298	04	6,0	1/4"	12,20	0,48	21,0	3000	84,0	12000	35,0	1,38	0,200	0,14
1001145	04	6,0	1/4"	12,20	0,48	21,0	3000	84,0	12000	35,0	1,38	0,200	0,14
1000299	05	8,0	5/16"	14,30	0,56	19,0	2750	76,0	11000	45,0	1,77	0,260	0,18
1001146	05	8,0	5/16"	14,30	0,56	19,0	2750	76,0	11000	45,0	1,77	0,260	0,18
1000300	06	10,0	3/8"	16,00	0,63	16,0	2320	64,0	9280	55,0	2,17	0,290	0,20
1001147	06	10,0	3/8"	16,00	0,63	16,0	2320	64,0	9280	55,0	2,17	0,290	0,20
1000301	08	13,0	1/2"	20,30	0,80	14,0	2000	56,0	8000	75,0	2,95	0,440	0,30
1001148	08	13,0	1/2"	20,30	0,80	14,0	2000	56,0	8000	75,0	2,95	0,440	0,30

// 580A - R8



SAE 100 R8 - EN 855 R8 (20-800-..)

Tube: polyester.
Reinforcement: one/two braids of aramid fiber.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001213	04	6,0	1/4"	11,50	0,45	35,0	5000	140,0	20000	50,0	1,97	0,085	0,06
1000295	04	6,0	1/4"	11,50	0,45	35,0	5000	140,0	20000	50,0	1,97	0,085	0,06
1000483	05	8,0	5/16"	13,40	0,53	30,0	4300	120,0	17450	55,0	2,17	0,105	0,08
1001235	05	8,0	5/16"	13,40	0,53	30,0	4300	120,0	17450	55,0	2,17	0,105	0,08
1000296	06	10,0	3/8"	15,50	0,61	28,0	4000	112,0	16000	60,0	2,36	0,135	0,10
1001227	06	10,0	3/8"	15,50	0,61	28,0	4000	112,0	16000	60,0	2,36	0,135	0,10
1001155	08	13,0	1/2"	13,40	0,53	30,0	4300	120,0	17450	55,0	2,17	0,105	0,08
1000416	08	13,0	1/2"	19,90	0,78	24,5	3500	98,0	14000	80,0	3,15	0,200	0,14

// 550A - TWB1



ONE WIRE BRAID (20-710-..)

Tube: polyester.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, non pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001161	04	6,0	1/4"	11,70	0,46	31,0	4500	124,0	18000	40,0	1,57	0,165	0,12
1000283	04	6,0	1/4"	11,70	0,46	31,0	4500	124,0	18000	40,0	1,57	0,165	0,12
1001162	05	8,0	5/16"	13,20	0,52	25,0	3630	100,0	14500	55,0	2,17	0,190	0,13
1000284	05	8,0	5/16"	13,20	0,52	25,0	3630	100,0	14500	55,0	2,17	0,190	0,13
1000285	06	10,0	3/8"	15,50	0,61	22,5	3250	90,0	13000	65,0	2,56	0,230	0,16
1001163	06	10,0	3/8"	15,50	0,61	22,5	3250	90,0	13000	65,0	2,56	0,230	0,16
1000286	08	13,0	1/2"	18,80	0,74	19,0	2750	76,0	11000	85,0	3,35	0,300	0,21
1001164	08	13,0	1/2"	18,80	0,74	19,0	2750	76,0	11000	85,0	3,35	0,300	0,21

// 550A - TWB1 - TWIN



ONE WIRE BRAID (20-760-..)

Tube: polyester.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, non pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001165	04	6,0	1/4"	11,70	0,46	31,0	4500	124,0	18000	40,0	1,57	0,330	0,23
1000289	04	6,0	1/4"	11,70	0,46	31,0	4500	124,0	18000	40,0	1,57	0,330	0,23
1000288	05	8,0	5/16"	13,20	0,52	25,0	3630	100,0	14500	55,0	2,17	0,380	0,26
1001424	05	8,0	5/16"	13,20	0,52	25,0	3630	100,0	14500	55,0	2,17	0,380	0,26
1001166	06	10,0	3/8"	15,50	0,61	22,5	3250	90,0	13000	65,0	2,56	0,460	0,31
1000287	06	10,0	3/8"	15,50	0,61	22,5	3250	90,0	13000	65,0	2,56	0,460	0,31

Dimensions shown may be changed without prior notice

// FLEXOR VHP700 (20-900-..)



Tube: polyester.
Reinforcement: one/two braids of aramid fiber plus one steel wire braid
Cover: red abrasion, ozone and hydrocarbon resistant polyurethane, non pin-pricked.
Application: high pressure systems and pumps; rescue, safety, jacking and rerailing equipments; bolt tensioning tools
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003461	1TB+1WB	04	6,0	1/4"	12,70	0,50	70,0	10000	280,0	40600	35,0	1,38	0,180	0,13

HALOGEN FREE HOSE
ENVIRONMENTAL FRIENDLY



GREENLINE PLUS HYDRAULIC RANGE

MAIN FEATURES

- HALOGEN FREE
- ENVIRONMENTAL FRIENDLY

A variety of environmental problems now affect our entire world. The environmental challenges facing industrial companies and governments throughout the world are numerous and complex.

In attempting to make a contribution to find an answer to these challenges, Dunlop Hiflex also in line with the latest OEM environmental requisites for a hydraulic hose not containing Chlorine, Fluorine and Iodine has replaced its standard range of hydraulic hose with an environmental friendly Greenline Plus range of product.

How can the Greenline Plus range be identified? The new product can be identified by "Greenline Plus" on the branding text of the hose and have a new set of part numbers.



DUNLOP HIFLEX GREENLINE PLUS 22

www.dunlophiflex.com

DUNLOP HIFLEX

Dimensions shown may be changed without prior notice

// TEXTILE BRAID

// ARGUS 1TE/R6 PLUS



SAE 100 R6 - EN 854 R6 (up to 3/4") - EXCEEDS EN 854 1TE (20-600-..)

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile textile braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: low pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001385	04	6,0	1/4"	12,70	0,50	2,8	400	11,2	1620	64,0	2,52	0,110	0,08
1001386	05	8,0	5/16"	14,30	0,56	2,8	400	11,2	1620	76,0	2,99	0,130	0,09
1001387	06	10,0	3/8"	15,90	0,63	2,8	400	11,2	1620	76,0	2,99	0,160	0,11
1001388	08	13,0	1/2"	19,80	0,78	2,8	400	11,2	1620	102,0	4,02	0,220	0,15
1001389	10	16,0	5/8"	23,00	0,91	2,4	350	9,6	1400	107,0	4,21	0,270	0,19
1001390	12	19,0	3/4"	26,90	1,06	2,1	300	8,4	1200	152,0	5,98	0,330	0,23
1001391	16	25,0	1"	33,50	1,32	1,7	250	7,0	1000	203,0	7,99	0,500	0,34

// ARGUS 2TE PLUS



EN 854 2TE (20-400-..)

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile textile braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001398	04	6,0	1/4"	13,10	0,52	7,5	1100	30,0	4300	40,0	1,57	0,112	0,08
1001399	05	8,0	5/16"	14,90	0,59	6,8	986	27,0	3945	50,0	1,97	0,148	0,10
1001400	06	10,0	3/8"	16,50	0,65	6,3	920	25,2	3680	60,0	2,36	0,163	0,11
1001401	08	13,0	1/2"	19,70	0,78	5,8	840	23,2	3360	70,0	2,76	0,206	0,14
1001402	10	16,0	5/8"	23,90	0,94	5,0	730	20,0	2900	90,0	3,54	0,281	0,19
1001761	12	19,0	3/4"	27,00	1,06	4,5	650	18,0	2610	110,0	4,33	0,350	0,24
1001404	16	25,0	1"	34,40	1,35	4,0	600	16,0	2320	150,0	5,91	0,497	0,34

// ARGUS 3TE/R3 PLUS



EN 854 3TE (20-500-..)

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile textile braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001405	04	6,0	1/4"	14,40	0,57	14,5	2100	58,0	8400	45,0	1,77	0,174	0,12
1001406	05	8,0	5/16"	16,90	0,67	13,0	1900	52,0	7560	55,0	2,17	0,223	0,15
1001407	06	10,0	3/8"	18,50	0,73	11,0	1600	44,0	6400	70,0	2,76	0,243	0,17
1001408	08	13,0	1/2"	21,70	0,85	9,3	1350	37,2	5400	85,0	3,35	0,294	0,20
1001409	10	16,0	5/8"	25,90	1,02	8,0	1200	32,0	4640	105,0	4,13	0,399	0,27
1001410	12	19,0	3/4"	29,00	1,14	7,0	1000	28,0	4000	130,0	5,12	0,455	0,31
1001411	16	25,0	1"	35,90	1,41	5,5	800	22,0	3200	150,0	5,91	0,612	0,42
1001412	20	32,0	1 1/4"	42,30	1,67	4,5	650	18,0	2610	190,0	7,48	0,737	0,50
1001531	24	38,0	1 1/2"	49,30	1,94	4,0	600	16,0	2320	240,0	9,45	1,150	0,78
1001532	32	51,0	2"	63,00	2,48	3,3	470	13,2	1900	300,0	11,81	1,500	1,01

// 2TE RAILWAY



EN 854 2TE - EN 45545-2

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile textile braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for railway applications.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002680	04	6,0	1/4"	13,10	0,52	7,5	1100	30,0	4300	40,0	1,57	0,112	0,08
1002681	05	8,0	5/16"	14,90	0,59	6,8	986	27,0	3945	50,0	1,97	0,148	0,10
1002682	06	10,0	3/8"	16,50	0,65	6,3	920	25,2	3680	60,0	2,36	0,163	0,11
1002683	08	13,0	1/2"	19,70	0,78	5,8	840	23,2	3360	70,0	2,76	0,206	0,14
1002684	10	16,0	5/8"	23,90	0,94	5,0	730	20,0	2900	90,0	3,54	0,281	0,19
1002685	12	19,0	3/4"	27,00	1,06	4,5	650	18,0	2610	110,0	4,33	0,350	0,24
1002686	16	25,0	1"	34,40	1,35	4,0	600	16,0	2320	150,0	5,91	0,497	0,34

Dimensions shown may be changed without prior notice

// WIRE BRAID

// PLT - PILOT



Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for hydraulic pilot lines.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000274	03	5,0	3/16"	9,60	0,38	12,0	1750	48,0	7000	20,0	0,79	0,111	0,08
1003480	03	5,0	3/16"	9,60	0,38	12,0	1750	48,0	7000	20,0	0,79	0,111	0,08
1002747	04	6,0	1/4"	11,40	0,45	12,0	1750	48,0	7000	30,0	1,18	0,150	0,11
1000097	04	6,0	1/4"	11,40	0,45	12,0	1750	48,0	7000	30,0	1,18	0,150	0,11
1000475	05	8,0	5/16"	13,00	0,51	12,0	1750	48,0	7000	40,0	1,57	0,180	0,13
1000960	05	8,0	5/16"	13,00	0,51	12,0	1750	48,0	7000	40,0	1,57	0,180	0,13
1002177	06	10,0	3/8"	14,70	0,58	12,0	1750	48,0	7000	60,0	2,36	0,220	0,15
1000476	06	10,0	3/8"	14,70	0,58	12,0	1750	48,0	7000	60,0	2,36	0,220	0,15
1000962	08	13,0	1/2"	17,80	0,70	12,0	1750	48,0	7000	80,0	3,15	0,230	0,16
1000347	08	13,0	1/2"	17,80	0,70	12,0	1750	48,0	7000	80,0	3,15	0,230	0,16

// 121T SLIMLINE PLUS - 1SC



ISO 11237 - EN 857 1SC (20-111-..)

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000944	04	6,0	1/4"	12,10	0,48	22,5	3250	90,0	13000	50,0	1,97	0,170	0,12
1000946	05	8,0	5/16"	14,10	0,56	21,5	3120	86,0	12500	55,0	2,17	0,190	0,13
1000948	06	10,0	3/8"	15,60	0,61	21,0	3000	84,0	12000	65,0	2,56	0,260	0,18
1000950	08	13,0	1/2"	19,50	0,77	16,0	2320	64,0	9280	90,0	3,54	0,410	0,28
1000952	10	16,0	5/8"	23,00	0,91	13,0	1900	52,0	7560	100,0	3,94	0,440	0,30
1000954	12	19,0	3/4"	26,70	1,05	10,5	1530	42,0	6000	125,0	4,92	0,570	0,39
1000956	16	25,0	1"	34,90	1,37	8,8	1280	35,2	5100	150,0	5,91	0,740	0,50

Dimensions shown may be changed without prior notice

// 141T SUPERSLIMLINE



Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001212	04	6,0	1/4"	12,00	0,47	28,0	4000	112,0	16000	80,0	3,15	0,170	0,12
1001112	06	10,0	3/8"	15,40	0,61	22,5	3250	90,0	13000	105,0	4,13	0,260	0,18
1001778	08	13,0	1/2"	19,20	0,76	21,0	3000	84,0	12000	120,0	4,72	0,360	0,25

// 122T PLUS - 1SN/R1AT



ISO 1436-1 - SAE 100 R1AT - EN 853 1SN (20-321-..)

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001330	03	5,0	3/16"	11,10	0,44	25,0	3630	100,0	14500	90,0	3,54	0,160	0,11
1002584	03	5,0	3/16"	11,10	0,44	25,0	3630	100,0	14500	90,0	3,54	0,160	0,11
1001331	04	6,0	1/4"	12,70	0,50	22,5	3250	90,0	13000	100,0	3,94	0,198	0,14
1002755	04	6,0	1/4"	13,00	0,51	22,5	3250	90,0	13000	100,0	3,94	0,198	0,14
1003033	05	8,0	5/16"	14,50	0,57	21,5	3120	86,0	12500	115,0	4,53	0,236	0,16
1001332	05	8,0	5/16"	14,20	0,56	21,5	3120	86,0	12500	115,0	4,53	0,240	0,17
1001333	06	10,0	3/8"	16,50	0,65	18,0	2610	72,0	10500	130,0	5,12	0,300	0,21
1002756	06	10,0	3/8"	17,20	0,68	18,0	2610	72,0	10500	130,0	5,12	0,296	0,20
1001334	08	13,0	1/2"	19,90	0,78	16,0	2320	64,0	9280	180,0	7,09	0,372	0,26
1002758	08	13,0	1/2"	20,10	0,79	16,0	2320	64,0	9280	180,0	7,09	0,367	0,25
1002760	10	16,0	5/8"	23,10	0,91	13,0	1900	52,0	7560	200,0	7,87	0,421	0,29
1001335	10	16,0	5/8"	23,00	0,91	13,0	1900	52,0	7560	200,0	7,87	0,420	0,29
1002761	12	19,0	3/4"	27,30	1,07	10,5	1530	42,0	6000	240,0	9,45	0,555	0,38
1001336	12	19,0	3/4"	27,00	1,06	10,5	1530	42,0	6000	240,0	9,45	0,560	0,38
1002763	16	25,0	1"	35,20	1,39	8,8	1280	35,2	5100	300,0	11,81	0,876	0,59
1001337	16	25,0	1"	35,00	1,38	8,8	1280	35,2	5100	300,0	11,81	0,876	0,59
1002765	20	32,0	1 1/4"	42,50	1,67	6,3	920	25,2	3680	420,0	16,54	1,095	0,74
1001338	20	32,0	1 1/4"	42,50	1,67	6,3	920	25,2	3680	420,0	16,54	1,095	0,74
1001371	24	38,0	1 1/2"	49,70	1,96	5,0	730	20,0	2900	500,0	19,69	1,329	0,90
1001339	24	38,0	1 1/2"	49,70	1,96	5,0	730	20,0	2900	500,0	19,69	1,329	0,90
1001372	32	51,0	2"	62,90	2,48	4,0	600	16,0	2320	630,0	24,80	1,835	1,24
1001340	32	51,0	2"	62,90	2,48	4,0	600	16,0	2320	630,0	24,80	1,835	1,24

Dimensions shown may be changed without prior notice

// 221T SLIMLINE PLUS - 2SC



ISO 11237 - EN 857 2SC (20-110-..)

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001801	04	6,0	1/4"	13,20	0,52	40,0	5850	160,0	23200	50,0	1,97	0,255	0,18
1001802	05	8,0	5/16"	14,50	0,57	35,0	5000	140,0	20000	55,0	2,17	0,300	0,21
1001803	06	10,0	3/8"	17,00	0,67	33,0	4800	132,0	19200	65,0	2,56	0,370	0,25
1001804	08	13,0	1/2"	20,30	0,80	27,5	4000	110,0	16000	90,0	3,54	0,470	0,32
1001017	10	16,0	5/8"	23,90	0,94	25,0	3630	100,0	14500	100,0	3,94	0,591	0,40
1001020	12	19,0	3/4"	27,70	1,09	21,5	3120	86,0	12500	120,0	4,72	0,760	0,52
1001022	16	25,0	1"	34,60	1,36	16,5	2400	66,0	9600	150,0	5,91	1,130	0,76

// 241T - SUPERSLIMLINE - HI-TUFF



ISO 11237 - SAE 100 R16 - EN 857 2SC (up to 1") (20-112-..)

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001049	04	6,0	1/4"	13,20	0,52	42,0	6000	168,0	24000	51,0	2,01	0,259	0,18
1001053	05	8,0	5/16"	14,80	0,58	37,5	5500	150,0	22000	57,0	2,24	0,313	0,22
1001056	06	10,0	3/8"	17,40	0,69	35,0	5000	140,0	20000	64,0	2,52	0,382	0,26
1001060	08	13,0	1/2"	20,70	0,81	31,0	4500	124,0	18000	90,0	3,54	0,502	0,34
1001065	10	16,0	5/8"	23,70	0,93	28,0	4000	112,0	16000	101,0	3,98	0,598	0,41
1001068	12	19,0	3/4"	27,60	1,09	24,0	3500	96,0	14000	121,0	4,76	0,781	0,53
1001073	16	25,0	1"	35,60	1,40	21,0	3000	84,0	12000	152,0	5,98	1,266	0,86
1001791	20	32,0	1 1/4"	43,60	1,72	14,0	2000	58,0	8400	360,0	14,17	1,500	1,01
1002289	24	38,0	1 1/2"	49,90	1,96	12,5	1820	50,0	7280	430,0	16,93	1,970	1,33
1002290	32	51,0	2"	63,50	2,50	10,0	1500	40,0	5850	550,0	21,65	2,550	1,72
1002291	40	63,0	2 1/2"	76,40	3,01	7,5	1100	30,0	4300	720,0	28,35	3,300	2,22
1002292	48	76,0	3"	90,00	3,54	7,0	1000	28,0	4000	880,0	34,65	3,850	2,59

Dimensions shown may be changed without prior notice

// 222T PLUS - 2SN/R2AT



ISO 1436-1 - SAE 100 R2AT - EN 853 2SN (20-320-..)

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001341	03	5,0	3/16"	13,00	0,51	42,0	6000	168,0	24000	90,0	3,54	0,282	0,19
1001342	04	6,0	1/4"	14,20	0,56	40,0	5850	160,0	23200	100,0	3,94	0,330	0,23
1002769	04	6,0	1/4"	14,50	0,57	40,0	5850	160,0	23200	100,0	3,94	0,330	0,23
1002770	05	8,0	5/16"	16,10	0,63	35,0	5000	140,0	20000	115,0	4,53	0,357	0,24
1001343	05	8,0	5/16"	15,80	0,62	35,0	5000	140,0	20000	115,0	4,53	0,357	0,24
1002773	06	10,0	3/8"	18,50	0,73	33,0	4800	132,0	19200	125,0	4,92	0,463	0,32
1001344	06	10,0	3/8"	18,20	0,72	33,0	4800	132,0	19200	125,0	4,92	0,460	0,31
1002776	08	13,0	1/2"	21,40	0,84	27,5	4000	110,0	16000	175,0	6,89	0,534	0,36
1001345	08	13,0	1/2"	21,30	0,84	27,5	4000	110,0	16000	175,0	6,89	0,534	0,36
1001346	10	16,0	5/8"	24,50	0,96	25,0	3630	100,0	14500	200,0	7,87	0,670	0,46
1002778	10	16,0	5/8"	24,60	0,97	25,0	3630	100,0	14500	200,0	7,87	0,665	0,45
1002780	12	19,0	3/4"	29,00	1,14	21,5	3120	86,0	12500	240,0	9,45	0,845	0,57
1001347	12	19,0	3/4"	28,60	1,13	21,5	3120	86,0	12500	240,0	9,45	0,846	0,57
1002782	16	25,0	1"	36,80	1,45	16,5	2400	66,0	9600	300,0	11,81	1,253	0,85
1001348	16	25,0	1"	36,60	1,44	16,5	2400	66,0	9600	300,0	11,81	1,250	0,85
1002783	20	32,0	1 1/4"	46,40	1,83	12,5	1820	50,0	7280	420,0	16,54	1,540	1,04
1001349	20	32,0	1 1/4"	46,00	1,81	12,5	1820	50,0	7280	420,0	16,54	1,540	1,04
1001382	24	38,0	1 1/2"	53,70	2,11	9,0	1310	36,0	5240	500,0	19,69	2,026	1,37
1001350	24	38,0	1 1/2"	52,80	2,08	9,0	1310	36,0	5240	500,0	19,69	2,030	1,37
1001383	32	51,0	2"	65,90	2,59	8,0	1200	32,0	4640	630,0	24,80	2,756	1,86
1001351	32	51,0	2"	65,60	2,58	8,0	1200	32,0	4640	630,0	24,80	2,760	1,86

// 3SPT - SUPERFOREST



Tube: oil resistant synthetic rubber.
Reinforcement: three high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001037	06	10,0	3/8"	21,70	0,85	50,0	7280	196,0	28000	120,0	4,72	0,760	0,52
1001038	08	13,0	1/2"	24,80	0,98	46,9	6800	188,0	27200	160,0	6,30	0,880	0,60
1001039	10	16,0	5/8"	28,30	1,11	41,0	6000	164,0	23500	210,0	8,27	1,110	0,75
1001040	12	19,0	3/4"	32,20	1,27	37,5	5500	150,0	22000	260,0	10,24	1,380	0,93
1001041	16	25,0	1"	40,40	1,59	32,7	4750	130,8	19000	310,0	12,20	1,938	1,31
1001042	20	32,0	1 1/4"	45,90	1,81	24,0	3500	96,0	14000	410,0	16,14	2,310	1,56

Dimensions shown may be changed without prior notice

// 2SC RAILWAY



ISO 11237 - EN 857 2SC - EN 45545-2

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for railway applications.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002687	04	6,0	1/4"	13,20	0,52	40,0	5850	160,0	23200	50,0	1,97	0,270	0,19
1002689	05	8,0	5/16"	14,50	0,57	35,0	5000	140,0	20000	55,0	2,17	0,310	0,21
1002690	06	10,0	3/8"	17,00	0,67	33,0	4800	132,0	19200	65,0	2,56	0,360	0,25
1002691	08	13,0	1/2"	20,30	0,80	27,5	4000	110,0	16000	90,0	3,54	0,470	0,32
1002692	10	16,0	5/8"	23,90	0,94	25,0	3630	100,0	14500	100,0	3,94	0,570	0,39
1002693	12	19,0	3/4"	27,70	1,09	21,5	3120	86,0	12500	120,0	4,72	0,760	0,52
1002694	16	25,0	1"	34,60	1,36	16,5	2400	66,0	9600	150,0	5,91	1,130	0,76

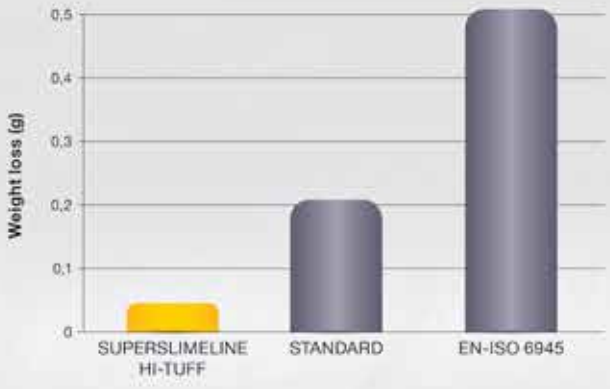


HI-TUFF
HIGH ABRASION RESISTANCE

HI-TUFF

- EXCELLENT ABRASION RESISTANCE (10 TIMES HIGHER THAN EN-ISO 6945 REQUIREMENT)
- HIGH OZONE RESISTANCE (10 TIMES MORE THAN THE STANDARD)
- MSHA APPROVED COVER
- ALTERNATIVE TO PROTECTIVE SLEEVE IN APPLICATIONS REQUIRING ABRASION RESISTANCE

Abrasion resistance



Dimensions shown may be changed without prior notice

// WIRE SPIRAL

// 490 - POWERTRAK - AT7K - HI-TUFF



Tube: oil resistant synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 5/8" - 61 m max over 1"1/4

Item Code	Const.	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000275	4WS	10	16,0	5/8"	29,40	1,16	49,0	7000	196,0	28000	250,0	9,84	1,320	0,89
1001847	6WS	20	32,0	1 1/4"	50,40	1,98	52,5	7500	210,0	30000	420,0	16,54	3,590	2,42
1001848	6WS	24	38,0	1 1/2"	57,30	2,26	49,0	7000	196,0	28000	500,0	19,69	5,100	3,43

// 560 - POWERTRAK - AT8K - HI-TUFF



Tube: oil resistant synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random

Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003064	12	19,0	3/4"	31,80	1,25	56,0	8000	224,0	32000	270,0	10,63	1,710	1,15
1003066	16	25,0	1"	39,60	1,56	56,0	8000	224,0	32000	300,0	11,81	2,471	1,67

Dimensions shown may be changed without prior notice

// BOP - FIRESAFE 5000



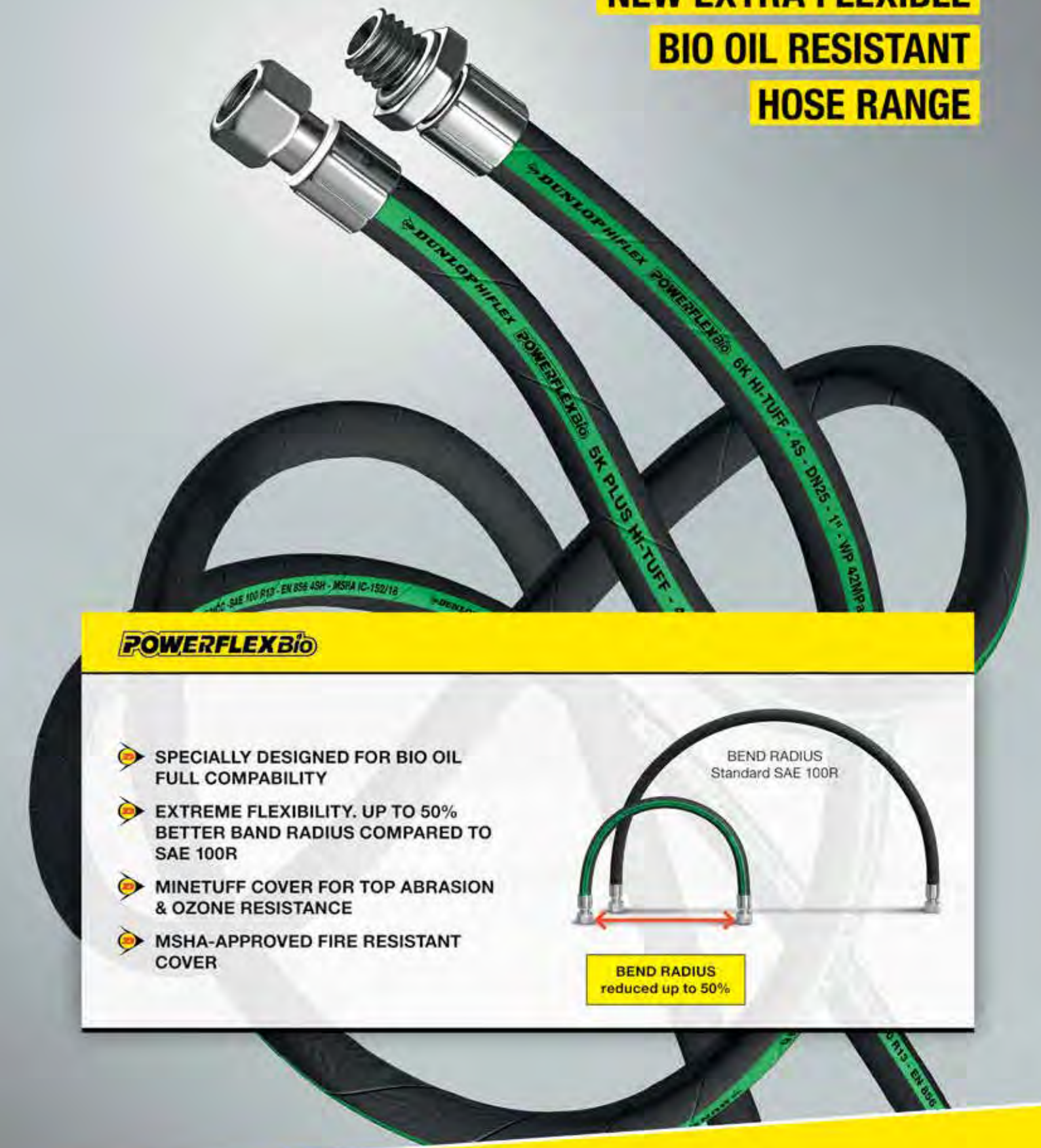
API 16-D FLAME RESISTANCE

Tube: oil resistant synthetic rubber.
Reinforcement: four/six high tensile steel spirals.
Cover: oil and fire resistant red synthetic rubber.
MSHA APPROVED
LLOYD'S type approval on hose assemblies
Application: high pressure hydraulic lines in blow out preventer system, where continuous operation in case of fire is required.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001245	4WS	04	6,0	1/4"	25,30	1,00	35,0	5000	140,0	20000	150,0	5,91	0,710	0,48
1001250	4WS	06	10,0	3/8"	28,10	1,11	35,0	5000	140,0	20000	180,0	7,09	1,134	0,77
1001244	4WS	08	13,0	1/2"	31,00	1,22	35,0	5000	140,0	20000	230,0	9,06	1,280	0,87
1001249	4WS	12	19,0	3/4"	38,80	1,53	35,0	5000	140,0	20000	300,0	11,81	1,860	1,26
1001243	4WS	16	25,0	1"	46,00	1,81	35,0	5000	140,0	20000	340,0	13,39	2,690	1,81
1001247	4WS	20	32,0	1 1/4"	53,10	2,09	35,0	5000	140,0	20000	460,0	18,11	3,340	2,25
1001246	6WS	24	38,0	1 1/2"	64,90	2,56	35,0	5000	140,0	20000	560,0	22,05	5,870	3,95
1001248	6WS	32	51,0	2"	78,70	3,10	35,0	5000	140,0	20000	700,0	27,56	7,780	5,23

POWERFLEX Bio

NEW EXTRA FLEXIBLE BIO OIL RESISTANT HOSE RANGE



POWERFLEX Bio

- SPECIALLY DESIGNED FOR BIO OIL FULL COMPABILITY
- EXTREME FLEXIBILITY. UP TO 50% BETTER BAND RADIUS COMPARED TO SAE 100R
- MINETUFF COVER FOR TOP ABRASION & OZONE RESISTANCE
- MSHA-APPROVED FIRE RESISTANT COVER

BEND RADIUS reduced up to 50%

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DUNLOP HIFLEX

Dimensions shown may be changed without prior notice

// POWERFLEXBIO

// POWERFLEXBIO 3000 - HI-TUFF



ISO 18752 - EXCEEDS SAE 100 R12

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four/six high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: 61 m from 1 1/4" to 3"

Item Code	Const.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001742	4WS	20	32,0	1 1/4"	45,70	1,80	21,0	3000	84,0	12000	230,0	9,06	2,245	1,51

Notes: also available with TUFLEX cover

// POWERFLEXBIO 4000 - HI-TUFF



ISO 18752 (21-250-..)

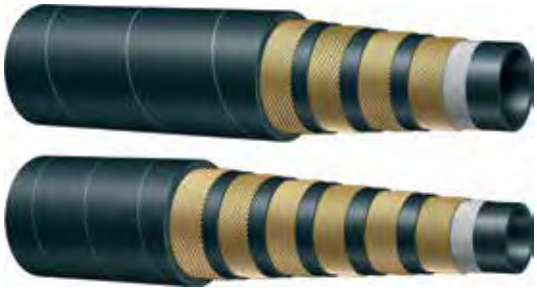
Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing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

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001743	12	19,0	3/4"	29,50	1,16	28,0	4000	112,0	16000	120,0	4,72	1,019	0,69
1001744	16	25,0	1"	37,50	1,48	28,0	4000	112,0	16000	150,0	5,91	1,637	1,11
1002490	20	32,0	1 1/4"	46,40	1,83	28,0	4000	112,0	16000	260,0	10,24	2,264	1,53
1002799	24	38,0	1 1/2"	51,80	2,04	29,0	4200	116,0	16800	420,0	16,54	2,864	1,93
1002491	32	51,0	2"	67,60	2,66	28,0	4000	112,0	16000	630,0	24,80	4,475	3,01

Notes: also available with TUFLEX cover

Dimensions shown may be changed without prior notice

// POWERFLEXBIO 5000 - HI-TUFF



ISO 18752 (21-350-..)

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

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001745	4WS	10	16,0	5/8"	25,90	1,02	35,0	5000	140,0	20000	140,0	5,51	0,873	0,59
1001746	4WS	12	19,0	3/4"	31,00	1,22	35,0	5000	140,0	20000	150,0	5,91	1,228	0,83
1001747	4WS	16	25,0	1"	37,80	1,49	35,0	5000	140,0	20000	180,0	7,09	1,678	1,13
1001748	4WS	20	32,0	1 1/4"	45,80	1,80	35,0	5000	140,0	20000	280,0	11,02	2,521	1,70
1001946	6WS	24	38,0	1 1/2"	56,50	2,22	35,0	5000	140,0	20000	500,0	19,69	4,483	3,02
1001947	6WS	32	51,0	2"	70,20	2,76	35,0	5000	140,0	20000	550,0	21,65	6,159	4,14

Notes: also available with TUFLEX cover

// POWERFLEXBIO 5000 PLUS - HI-TUFF



ISO 18752 (21-355-..)

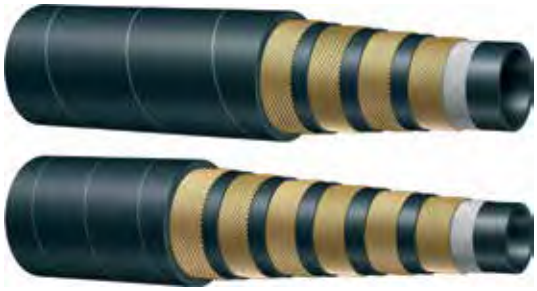
Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001749	12	19,0	3/4"	31,40	1,24	38,0	5500	152,0	22040	180,0	7,09	1,338	0,90
1001734	16	25,0	1"	38,00	1,50	38,0	5500	152,0	22040	210,0	8,27	1,918	1,29

Notes: also available with TUFLEX cover

Dimensions shown may be changed without prior notice

// POWERFLEXBIO 6000 - HI-TUFF



ISO 18752 - EXCEEDS SAE 100 R15 (21-450-..)

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

Item Code	Const.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001751	4WS	04	6,0	1/4"	16,90	0,67	45,0	6550	180,0	26200	60,0	2,36	0,540	0,37
1001752	4WS	06	10,0	3/8"	19,90	0,78	44,5	6450	178,0	25800	75,0	2,95	0,620	0,42
1001735	4WS	08	13,0	1/2"	23,00	0,91	42,0	6000	168,0	24000	90,0	3,54	0,749	0,51
1001736	4WS	10	16,0	5/8"	28,00	1,10	42,0	6000	168,0	24000	180,0	7,09	1,190	0,80
1001737	4WS	12	19,0	3/4"	31,20	1,23	42,0	6000	168,0	24000	210,0	8,27	1,429	0,97
1001738	4WS	16	25,0	1"	37,80	1,49	42,0	6000	168,0	24000	250,0	9,84	2,026	1,37
1002492	4WS	20	32,0	1 1/4"	46,10	1,81	42,0	6000	168,0	24000	445,0	17,52	2,920	1,97
1002493	6WS	20	32,0	1 1/4"	49,40	1,94	42,0	6000	168,0	24000	445,0	17,52	3,401	2,29
1002494	6WS	24	38,0	1 1/2"	56,50	2,22	42,0	6000	168,0	24000	530,0	20,87	4,480	3,02

Notes: also available with TUFLEX cover

Dimensions shown may be changed without prior notice

// TUFLEX

// 241X - SUPERSLIMLINE - TUFLEX



ISO 11237 - SAE 100 R16 - EN 857 2SC

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. Special “supertuff” cover for excellent abrasion resistance and long service life in heavy duty applications.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001077	04	6,0	1/4"	13,20	0,52	45,0	6550	180,0	26200	51,0	2,01	0,275	0,19
1001078	05	8,0	5/16"	15,00	0,59	40,0	5850	160,0	23200	57,0	2,24	0,328	0,23
1001079	06	10,0	3/8"	17,40	0,69	35,0	5000	140,0	20000	64,0	2,52	0,393	0,27
1001081	08	13,0	1/2"	20,60	0,81	31,0	4500	124,0	18000	90,0	3,54	0,528	0,36
1001082	10	16,0	5/8"	23,70	0,93	28,0	4000	112,0	16000	101,0	3,98	0,614	0,42
1001083	12	19,0	3/4"	27,70	1,09	28,0	4000	112,0	16000	121,0	4,76	0,826	0,56
1001084	16	25,0	1"	35,60	1,40	21,0	3000	84,0	12000	150,0	5,91	1,300	0,88

Dimensions shown may be changed without prior notice

// HIGH TEMPERATURE

// 241T - SUPERSLIMLINE HIGH TEMP



ISO 11237 - SAE 100 R16 - EN 857 2SC (up to 1")

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant blue synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for high temperature applications.
Constant operation: -40 °C +135 °C (-40 °F +275 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002803	04	6,0	1/4"	13,40	0,53	42,0	6000	160,0	23200	51,0	2,01	0,260	0,18
1002804	05	8,0	5/16"	15,00	0,59	37,5	5500	150,0	22000	57,0	2,24	0,310	0,21
1002805	06	10,0	3/8"	17,40	0,69	35,0	5000	140,0	20000	64,0	2,52	0,390	0,27
1002806	08	13,0	1/2"	20,60	0,81	31,0	4500	124,0	18000	90,0	3,54	0,520	0,35
1002807	10	16,0	5/8"	23,70	0,93	28,0	4000	112,0	16000	101,0	3,98	0,600	0,41
1002808	12	19,0	3/4"	27,70	1,09	24,0	3500	96,0	14000	121,0	4,76	0,825	0,56
1002809	16	25,0	1"	35,60	1,40	21,0	3000	84,0	12000	152,0	5,98	1,230	0,83
1002810	20	32,0	1 1/4"	43,30	1,70	14,5	2100	58,0	8400	360,0	14,17	1,339	0,90
1002811	24	38,0	1 1/2"	49,90	1,96	12,5	1820	50,0	7280	430,0	16,93	1,857	1,25
1002812	32	51,0	2"	63,50	2,50	10,0	1500	40,0	5850	550,0	21,65	2,550	1,72
1002813	40	63,0	2 1/2"	76,40	3,01	7,5	1100	30,0	4300	720,0	28,35	3,300	2,22
1002814	48	76,0	3"	90,00	3,54	7,0	1000	28,0	4000	880,0	34,65	3,850	2,59

Dimensions shown may be changed without prior notice

// COMMANDER 1SN



ISO 1436-1 - SAE 100 R1AT - EN 853 1SN (20-582..)

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant blue synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for high temperature applications. Not recommended for steam service.
Constant operation: -40 °C +150 °C (-40 °F +300 °F)
air max T = +110 °C (+230 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000556	04	6,0	1/4"	13,40	0,53	22,5	3250	90,0	13000	100,0	3,94	0,213	0,15
1000557	04	6,0	1/4"	13,40	0,53	22,5	3250	90,0	13000	100,0	3,94	0,213	0,15
1000332	06	10,0	3/8"	17,40	0,69	18,0	2610	72,0	10500	130,0	5,12	0,330	0,23
1000558	06	10,0	3/8"	17,40	0,69	18,0	2610	72,0	10500	130,0	5,12	0,330	0,23
1000445	08	13,0	1/2"	20,60	0,81	16,0	2320	64,0	9280	180,0	7,09	0,420	0,29
1000559	08	13,0	1/2"	20,60	0,81	16,0	2320	64,0	9280	180,0	7,09	0,420	0,29
1000360	10	16,0	5/8"	23,70	0,93	13,0	1900	52,0	7560	200,0	7,87	0,515	0,35
1000560	10	16,0	5/8"	23,70	0,93	13,0	1900	52,0	7560	200,0	7,87	0,515	0,35
1000561	12	19,0	3/4"	27,70	1,09	10,5	1530	42,0	6000	240,0	9,45	0,651	0,44
1000333	12	19,0	3/4"	27,70	1,09	10,5	1530	42,0	6000	240,0	9,45	0,651	0,44
1000361	16	25,0	1"	35,60	1,40	8,8	1280	35,2	5100	300,0	11,81	0,997	0,68
1000562	16	25,0	1"	35,60	1,40	8,8	1280	35,2	5100	300,0	11,81	0,997	0,68
1000563	20	32,0	1 1/4"	43,50	1,71	6,3	920	25,2	3680	420,0	16,54	1,300	0,88
1000564	20	32,0	1 1/4"	43,50	1,71	6,3	920	25,2	3680	420,0	16,54	1,300	0,88
1000565	24	38,0	1 1/2"	50,60	1,99	5,0	730	20,0	2900	500,0	19,69	1,480	1,00
1000566	24	38,0	1 1/2"	50,60	1,99	5,0	730	20,0	2900	500,0	19,69	1,480	1,00
1001554	32	51,0	2"	64,00	2,52	4,0	600	16,0	2320	630,0	24,80	2,000	1,35
1000567	32	51,0	2"	64,00	2,52	4,0	600	16,0	2320	630,0	24,80	2,000	1,35

// COMMANDER 2SN



ISO 1436-1 - SAE 100 R2AT - EN 853 2SN (20-583-..)

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant blue synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for high temperature applications. Not recommended for steam service.
Constant operation: -40 °C +150 °C (-40 °F +300 °F)
air max T = +110 °C (+230 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000447	04	6,0	1/4"	15,00	0,59	40,0	5850	160,0	23200	100,0	3,94	0,360	0,25
1000334	06	10,0	3/8"	19,10	0,75	33,0	4800	132,0	19200	125,0	4,92	0,512	0,35
1000335	08	13,0	1/2"	22,20	0,87	28,0	4000	112,0	16000	175,0	6,89	0,640	0,44
1000349	10	16,0	5/8"	25,40	1,00	25,0	3630	100,0	14500	200,0	7,87	0,794	0,54
1000350	12	19,0	3/4"	29,30	1,15	21,5	3120	86,0	12500	240,0	9,45	0,932	0,63
1000351	16	25,0	1"	38,10	1,50	16,5	2400	66,0	9600	300,0	11,81	1,320	0,89
1000362	20	32,0	1 1/4"	48,30	1,90	12,5	1820	50,0	7280	420,0	16,54	1,930	1,30
1000352	24	38,0	1 1/2"	54,60	2,15	9,0	1310	36,0	5240	500,0	19,69	2,410	1,62
1000448	32	51,0	2"	67,40	2,65	8,0	1200	32,0	4640	630,0	24,80	2,960	1,99

Dimensions shown may be changed without prior notice

// LOW TEMPERATURE

// 261E - HYPERCOLD SUPERSLIMLINE



Tube: oil resistant ultra low temperature synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: oil, water, ozone and ultra low temperature resistant synthetic rubber.
Application: hydraulic system with petroleum or water/glycol based fluids, fuel, lubricating oils. Specially designed for ultra low temperature applications.
Constant operation: -55 °C +100 °C (-67 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001556	04	6,0	1/4"	13,20	0,52	42,0	6000	168,0	24000	51,0	2,01	0,280	0,19
1002432	05	8,0	5/16"	14,80	0,58	37,5	5500	150,0	22000	57,0	2,24	0,310	0,21
1001557	06	10,0	3/8"	17,40	0,69	35,0	5000	140,0	20000	64,0	2,52	0,390	0,27
1001491	08	13,0	1/2"	20,70	0,81	31,0	4500	124,0	18000	90,0	3,54	0,520	0,35
1001941	10	16,0	5/8"	23,70	0,93	28,0	4000	112,0	16000	101,0	3,98	0,600	0,41
1001559	12	19,0	3/4"	27,60	1,09	24,0	3500	96,0	14000	121,0	4,76	0,810	0,55
1001560	16	25,0	1"	35,60	1,40	21,0	3000	84,0	12000	152,0	5,98	1,220	0,82
1003108	20	32,0	1 1/4"	43,30	1,70	14,0	2000	58,0	8400	360,0	14,17	1,390	0,94
1002790	24	38,0	1 1/2"	49,90	1,96	12,5	1820	50,0	7280	430,0	16,93	1,863	1,26

// 3SPE - HYPERCOLD SUPERFOREST



Tube: oil resistant ultra low temperature synthetic rubber.
Reinforcement: three high tensile steel braids.
Cover: oil, water, ozone and ultra low temperature resistant synthetic rubber.
Application: hydraulic system with petroleum or water/glycol based fluids, fuel, lubricating oils. Specially designed for ultra low temperature applications.
Constant operation: -55 °C +100 °C (-67 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001093	08	13,0	1/2"	24,80	0,98	46,9	6800	188,0	27200	160,0	6,30	0,909	0,62
1002293	10	16,0	5/8"	28,30	1,11	41,4	6000	164,0	23500	210,0	8,27	1,146	0,78
1001094	12	19,0	3/4"	32,20	1,27	37,5	5500	150,0	22000	260,0	10,24	1,490	1,01
1001095	16	25,0	1"	40,40	1,59	33,0	4800	130,8	19000	310,0	12,20	2,100	1,42

Dimensions shown may be changed without prior notice

// 735E - HYPERCOLD 4SP



EN 856 4SP

Tube: oil resistant ultra low temperature synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: oil, water, ozone and ultra low temperature resistant synthetic rubber.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for ultra low temperature applications.
Constant operation: -55 °C +100 °C (-67 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random
Notes: specification reference: SAE 100 R15 (1/1, 3/8, 1/2)

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002955	04	6,0	1/4"	17,90	0,70	45,0	6550	180,0	26200	150,0	5,91	0,580	0,39
1002957	06	10,0	3/8"	21,40	0,84	44,5	6450	178,0	25800	180,0	7,09	0,749	0,51
1002958	08	13,0	1/2"	24,60	0,97	42,0	6000	168,0	24000	230,0	9,06	0,880	0,60
1002959	10	16,0	5/8"	28,20	1,11	35,0	5000	140,0	20000	250,0	9,84	1,060	0,72
1002960	12	19,0	3/4"	32,20	1,27	38,0	5500	152,0	22040	300,0	11,81	1,440	0,97
1002961	16	25,0	1"	39,70	1,56	32,0	4640	128,0	18560	340,0	13,39	1,960	1,32

// 795E - HYPERCOLD 4SH



EN 856 4SH

Tube: oil resistant ultra low temperature synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: oil, water, ozone and ultra low temperature resistant synthetic rubber.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for ultra low temperature applications.
Constant operation: -55 °C +100 °C (-67 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003507	12	19,0	3/4"	32,20	1,27	42,0	6000	168,0	24000	280,0	11,02	1,585	1,07
1003212	16	25,0	1"	38,70	1,52	38,0	5500	152,0	22040	340,0	13,39	1,957	1,32
1003021	20	32,0	1 1/4"	45,50	1,79	35,0	5000	140,0	20000	460,0	18,11	2,470	1,66
1003022	24	38,0	1 1/2"	53,50	2,11	29,0	4200	116,0	16800	560,0	22,05	3,270	2,20
1003023	32	51,0	2"	68,10	2,68	25,0	3630	100,0	14500	700,0	27,56	4,670	3,14

Dimensions shown may be changed without prior notice

// OIL RETURN LINES

// FLEXOR R4 604



SAE 100 R4

Tube: oil resistant synthetic rubber.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: fuel, oil and hydraulic fluids with 50% max aromatic content suction and delivery. Specially designed for hydraulic oil return lines.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
Length: 61 m max

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001123	12	19,0	3/4"	30,00	1,18	2,1	300	8,4	1200	57,0	2,24	0,600	0,41
1001124	16	25,0	1"	36,00	1,42	1,7	250	6,8	986	75,0	2,95	0,740	0,50
1001126	20	32,0	1 1/4"	43,00	1,69	1,4	200	5,6	800	96,0	3,78	0,940	0,64
1001127	24	38,0	1 1/2"	49,00	1,93	1,0	150	4,0	600	114,0	4,49	1,080	0,73
1001128	32	51,0	2"	62,00	2,44	0,7	100	2,8	400	152,0	5,98	1,410	0,95
1001129	40	63,0	2 1/2"	76,00	2,99	0,4	60	1,6	240	189,0	7,44	2,040	1,38
1001130	48	76,0	3"	89,00	3,50	0,4	60	1,6	240	228,0	8,98	2,430	1,64
1001131	56	90,0	3 1/2"	104,00	4,09	0,3	45	1,2	180	270,0	10,63	3,000	2,02
1001132	64	102,0	4"	116,00	4,57	0,2	30	0,8	120	306,0	12,05	3,350	2,26

// FLEXOR R4 634



EXTRA FLEXIBLE
SAE 100 R4 (22-512-..)

Tube: oil resistant synthetic rubber.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: fuel, oil and hydraulic fluids with 50% max aromatic content suction and delivery. Specially designed for hydraulic oil return lines requiring tight bend radius.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
Length: 61 m max

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001272	12	19,0	3/4"	30,00	1,18	2,1	300	8,4	1200	38,0	1,50	0,600	0,41
1001273	16	25,0	1"	36,00	1,42	1,7	250	6,8	986	50,0	1,97	0,750	0,51
1001275	20	32,0	1 1/4"	43,00	1,69	1,4	200	5,6	800	64,0	2,52	0,920	0,62
1001278	24	38,0	1 1/2"	49,00	1,93	1,0	150	4,0	600	76,0	2,99	1,060	0,72
1001280	32	51,0	2"	62,00	2,44	0,7	100	2,8	400	102,0	4,02	1,380	0,93
1001282	40	63,0	2 1/2"	76,00	2,99	0,4	60	1,6	240	125,0	4,92	2,180	1,47
1001284	48	76,0	3"	89,00	3,50	0,4	60	1,6	240	152,0	5,98	2,590	1,75
1001288	64	102,0	4"	116,00	4,57	0,2	30	0,8	120	203,0	7,99	3,400	2,29

Dimensions shown may be changed without prior notice

// FLEXOR R4 644 HT



EXTRA FLEXIBLE - HIGH TEMP
SAE 100 R4

Tube: oil resistant synthetic rubber.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: fuel, oil and hydraulic fluids with 50% max aromatic content suction and delivery. Specially designed for high temperature applications and hydraulic oil return lines requiring tight bend radius.
Constant operation: -40 °C +135 °C (-40 °F +275 °F)
Length: 61 m max

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001277	12	19,0	3/4"	30,00	1,18	2,1	300	8,4	1200	38,0	1,50	0,630	0,43
1001274	16	25,0	1"	36,00	1,42	1,7	250	6,8	986	50,0	1,97	0,810	0,55
1001196	20	32,0	1 1/4"	43,00	1,69	1,4	200	5,6	800	64,0	2,52	1,000	0,68
1001279	24	38,0	1 1/2"	49,00	1,93	1,0	150	4,0	600	76,0	2,99	1,150	0,78
1001281	32	51,0	2"	62,00	2,44	0,7	100	2,8	400	102,0	4,02	1,490	1,01
1001283	40	63,0	2 1/2"	76,00	2,99	0,5	75	2,0	300	125,0	4,92	2,230	1,50
1001285	48	76,0	3"	89,00	3,50	0,5	75	2,0	300	152,0	5,98	2,750	1,85
1001290	64	102,0	4"	116,00	4,57	0,5	75	2,0	300	203,0	7,99	3,610	2,43

Dimensions shown may be changed without prior notice

// PRESSURE WASH

// ALFAJET 210



Tube: oil, detergents and hot water resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: smooth. Abrasion, ozone and hydrocarbon resistant blue synthetic rubber, pin-pricked. Black cover also available.
Application: high pressure power cleaners. Specially designed for hot water applications. Not recommended for steam service.
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000192	04	6,0	1/4"	12,10	0,48	21,0	3000	84,0	12000	50,0	1,97	0,180	0,13
1000185	05	8,0	5/16"	14,10	0,56	21,0	3000	84,0	12000	60,0	2,36	0,190	0,13
1000098	06	10,0	3/8"	15,60	0,61	21,0	3000	73,0	10588	65,0	2,56	0,274	0,19
1000166	08	13,0	1/2"	19,50	0,77	21,0	3000	73,0	10588	90,0	3,54	0,390	0,27

// ALFAJET 400 (BLUE: 20-580-.. / BLACK: 20-581-..)



Tube: oil, detergents and hot water resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: smooth. abrasion, ozone and hydrocarbon resistant blue synthetic rubber, pin-pricked. Black cover also available.
Application: high pressure power cleaners. Specially designed for hot water applications. Not recommended for steam service.
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000221	04	6,0	1/4"	13,20	0,52	40,0	5850	140,0	20000	70,0	2,76	0,253	0,18
1000220	05	8,0	5/16"	14,90	0,59	40,0	5850	140,0	20000	76,0	2,99	0,293	0,20
1000219	06	10,0	3/8"	16,70	0,66	40,0	5850	130,0	18900	90,0	3,54	0,380	0,26
1000218	08	13,0	1/2"	20,10	0,79	40,0	5850	120,0	17450	115,0	4,53	0,492	0,34

THE SAFE SOLUTION FOR WATERBLASTING APPLICATION



WATERBLAST

MAIN APPLICATION

- SURFACE PREPARATION AND CLEANING
- HYDRODEMOLITION
- WATER JET CUTTING

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Dimensions shown may be changed without prior notice

// WATERBLAST - WB10L



Tube: oil and water resistant synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: oil, water and ozone resistant synthetic rubber.
Application: vey high pressure water jetting.
Constant operation: -10 °C +70 °C (14 °F +158 °F)
Length: multiples of lengths shown in below grid.

Item Code														Length
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft	m
1003795	08	13,0	1/2"	13,00	0,51	70,0	10000	175,0	25000	200,0	7,87	0,805	0,55	15,250
1003796	08	13,0	1/2"	13,00	0,51	70,0	10000	175,0	25000	200,0	7,87	0,805	0,55	20,000
1004044	12	19,0	3/4"	32,20	1,27	70,0	10000	175,0	25000	210,0	8,27	1,450	0,98	15,250
1004212	12	19,0	3/4"	32,20	1,27	70,0	10000	175,0	25000	210,0	8,27	1,450	0,98	20,000
1004213	16	25,0	1"	38,70	1,52	70,0	10000	175,0	25000	320,0	12,60	1,981	1,34	15,250
1004214	16	25,0	1"	38,70	1,52	70,0	10000	175,0	25000	320,0	12,60	1,981	1,34	20,000

// WATERBLAST - WB15L



Tube: oil and water resistant synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: oil, water and ozone resistant synthetic rubber.
Application: vey high pressure water jetting.
Constant operation: -10 °C +70 °C (14 °F +158 °F)
Length: multiples of lengths shown in below grid.

Item Code														Length
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft	m
1003471	06	10,0	3/8"	21,40	0,84	124,0	18000	310,0	45000	150,0	5,91	0,850	0,58	15,250
1003470	06	10,0	3/8"	21,40	0,84	124,0	18000	310,0	45000	150,0	5,91	0,850	0,58	20,000
1003473	08	13,0	1/2"	24,40	0,96	110,0	16000	275,0	40000	200,0	7,87	1,120	0,76	15,250
1003472	08	13,0	1/2"	24,40	0,96	110,0	16000	275,0	40000	200,0	7,87	1,120	0,76	20,000
1003475	12	19,0	3/4"	32,00	1,26	100,0	14500	250,0	36000	280,0	11,02	1,683	1,14	15,250
1003474	12	19,0	3/4"	32,00	1,26	100,0	14500	250,0	36000	280,0	11,02	1,683	1,14	20,000

Dimensions shown may be changed without prior notice

// WATERBLAST - WB20L



Tube: oil and water resistant synthetic rubber.
Reinforcement: four or six high tensile steel spirals or four high tensile steel spiral and one steel braid.
Cover: oil, water and ozone resistant synthetic rubber.
Application: vey high pressure water jetting.
Constant operation: -10 °C +70 °C (14 °F +158 °F)
Length: multiples of lengths shown in below grid.

Item Code	Const.														Length
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft	m
1004171	4WS	04	6,0	1/4"	16,20	0,64	140,0	20000	350,0	50000	125,0	4,92	0,609	0,41	15,250
1004172	4WS	04	6,0	1/4"	16,20	0,64	140,0	20000	350,0	50000	125,0	4,92	0,609	0,41	20,000
1004175	4WS	05	8,0	5/16"	17,30	0,68	140,0	20000	350,0	50000	135,0	5,31	0,660	0,45	15,250
1004176	4WS	05	8,0	5/16"	17,30	0,68	140,0	20000	350,0	50000	135,0	5,31	0,660	0,45	20,000
1004178	4WS+1WB	06	10,0	3/8"	22,00	0,87	140,0	20000	350,0	50000	150,0	5,91	1,021	0,69	15,250
1004179	4WS+1WB	06	10,0	3/8"	22,00	0,87	140,0	20000	350,0	50000	150,0	5,91	1,021	0,69	20,000
1003798	4WS+1WB	08	13,0	1/2"	29,50	1,16	140,0	20000	350,0	50000	200,0	7,87	1,433	0,97	15,250
1003799	4WS+1WB	08	13,0	1/2"	29,50	1,16	140,0	20000	350,0	50000	200,0	7,87	1,433	0,97	20,000
1004181	6WS	12	19,0	3/4"	35,00	1,38	140,0	20000	350,0	50000	300,0	11,81	2,529	1,70	15,250
1004182	6WS	12	19,0	3/4"	35,00	1,38	140,0	20000	350,0	50000	300,0	11,81	2,529	1,70	20,000

Dimensions shown may be changed without prior notice

// PTFE HOSE (22-PTFE-..)

// 9TS 0M



SMOOTH PTFE STAINLESS STEEL BRAID STANDARD DUTY EXCEEDS SAE 100 R14

Tube: smooth ptfe - high mechanical and vibration resistance, low permeability, dielectrical, fire resistant, food grade (FDA, DVGW, BFR compliant). Chemically inert, non sticking, ozone and weather resistant.
Reinforcement: high tensile stainless steel braid AISI 304.
Application: compressed air, gas, steam, fuel, oil, chemical and pharmaceutical products, particularly suitable for steam piping on injection moulding machines, diathermic oil installations, charging lines for cryogenic gas, compressor discharge lines, automotive, pharmaceutical and food sectors. Solvents, pigments and paint transfer lines. Hydraulic lines in power stearing marine applications. Not suitable for molten alkali metals and halogens at high temperature.
Constant operation: -60 °C +260 °C (-76 °F +500 °F)

Item Code									
	mm	in	mm	mm	Mpa	psi	mm	in	kg/m
2600557	5,0	3/16"	7,86	0,89	27,6	4000	51,0	2,01	0,090
2600558	6,0	1/4"	8,64	0,64	24,1	3500	76,0	2,99	0,090
2600559	8,0	5/16"	11,05	0,64	20,7	3000	102,0	4,02	0,130
2600560	10,0	3/8"	12,65	0,64	18,3	2600	127,0	5,00	0,150
2600561	13,0	1/2"	15,40	0,76	16,1	2300	140,0	5,51	0,200
2600562	16,0	5/8"	18,40	0,89	13,8	2000	165,0	6,50	0,270
2600563	19,0	3/4"	22,10	0,89	11,4	1600	203,0	7,99	0,330
2600564	25,0	1"	29,75	1,10	6,9	1000	305,0	12,01	0,520

Dimensions shown may be changed without prior notice

// 9TC OM (22-PTFEG-..)



CONVOLUTED PTFE STAINLESS STEEL BRAID

Tube: smooth ptfe - high mechanical and vibration resistance, low permeability, dielectrical, fire resistant, food grade (FDA, DVGW, BFR compliant). Chemically inert, non sticking, ozone and weather resistant.
Reinforcement: high tensile stainless steel braid AISI 304.
Application: compressed air, gas, steam, fuel, oil, chemical and pharmaceutical products, particularly suitable for steam piping on injection moulding machines, diathermic oil installations, charging lines for cryogenic gas, compressor discharge lines, automotive, pharmaceutical and food sectors. Solvents, pigments and paint transfer lines. Hydraulic lines in power stearing marine applications. Not suitable for molten alkali metals and halogens at high temperature.
Constant operation: -60 °C +260 °C (-76 °F +500 °F)

Item Code									
	mm	in	mm	mm	Mpa	psi	mm	in	kg/m
2600574	13,0	1/2"	18,80	0,89	10,3	1500	25,0	0,98	0,280
2600575	16,0	5/8"	22,10	0,89	8,3	1200	51,0	2,01	0,330
2600576	19,0	3/4"	24,65	0,89	6,9	1000	64,0	2,52	0,400
2600577	25,0	1"	32,77	1,02	4,6	670	89,0	3,50	0,550
2600578	32,0	1 1/4"	40,72	1,02	3,4	525	127,0	5,00	0,690
2600579	38,0	1 1/2"	48,25	1,12	3,0	450	152,0	5,98	0,890
2600580	51,0	2"	61,50	1,20	2,3	345	200,0	7,87	1,240