ALFAGOMMA GROUP

WATERBLAST

DUNLOP HIFLEX

// WATERBLAST HOSE

// 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)
Safety factor: 2,5:1
Length: see 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)
Safety factor: 2,5:1
Length: see 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

// WATERBLAST - WB20L

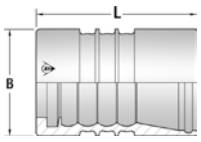
Tube: oil and water resistant synthetic rubber.
Reinforcement: four or six high tensile steel spirals or four high tensile steel spiral and one steel braid.
Cover: oil, water and ozone resistant synthetic rubber.
Application: vey high pressure water jetting.
Constant operation: -10 °C +70 °C (14 °F +158 °F)
Safety factor: 2,5:1
Length: see 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

// WATERBLAST FERRULES

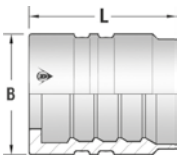
WATERBLAST

// 99S-WB
Waterblast Ferrule for WB10 - WB15 - WB20



Item Code	ID			B	L
	Dash	mm	in	mm	mm
1240103	04	6,0	1/4"	22,0	25,5
1240105	05	8,0	5/16"	27,0	35,0
1215264	06	10,0	3/8"	28,0	47,0
1223163	08	13,0	1/2"	33,0	50,0
1215266	12	19,0	3/4"	41,0	63,0
1215267	16	25,0	1"	49,0	75,0

// 98S-WB
Waterblast Ferrule for WB20

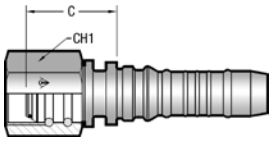


Item Code	ID			B	L
	Dash	mm	in	mm	mm
1242379	06	10,0	3/8"	32,0	45,0
1215257	08	13,0	1/2"	37,4	46,0
1241935	12	19,0	3/4"	46,0	63,0

// WATERBLAST FITTINGS

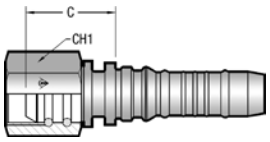
WATERBLAST INSERTS ARE MANUFACTURED USING A SPECIAL STEEL IN ORDER TO ENHANCE THE PERFORMANCE AND RELIABILITY OF THE PRODUCT

// A99001-WB
BSP Female 60°



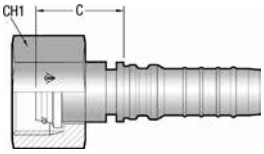
Item Code	Head/Tail	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm
1240158	-0404	SN	04	6,0	1/4"	04	1/4-19	26,0	22,0
1240159	-0605	SN	05	8,0	5/16"	06	3/8-19	31,0	25,0
1214925	-0606	CR	06	10,0	3/8"	06	3/8-19	32,1	22,0
1225828	-0808	CR	08	13,0	1/2"	08	1/2-14	36,0	30,0
1214927	-1212	CR	12	19,0	3/4"	12	3/4-14	37,3	36,0

// A99061-WB
Type “M” Swivel



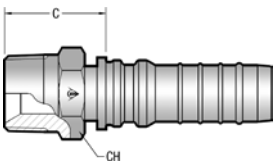
Item Code	Head/Tail	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm
1245682	-0808	TN	08	13,0	1/2"	08	1/2-14	36,0	30,0
1230563	-1008	-	08	16,0	5/8"	10	1/2-14	41,0	32,0

// A99179-WB
Metric Female 24°cone with O-Ring - Heavy
DIN 3865 DKOS
Slip on nut with relief bore



Item Code	Head/Tail	Nut Type	ID			F1	OD1	C	CH1
	Dash		Dash	mm	in		mm	mm	mm
1240100	-0204	SN	04	6,0	1/4"	M14X1.5	6	28,0	22,0
1240101	-0405	SN	05	8,0	5/16"	M18X1.5	10	34,3	27,0
1214929	-0606	SN	06	10,0	3/8"	M22X1.5	14	36,5	27,0
1214930	-0806	SN	06	10,0	3/8"	M24X1.5	16	39,5	30,0
1214931	-0808	SN	08	13,0	1/2"	M24X1.5	16	40,0	30,0
1214932	-1212	TN	12	19,0	3/4"	M36X2	25	47,3	46,0
1214933	-1616	SN	16	25,0	1"	M42X2	30	49,6	50,0

// 990170-WB
NPTF Male 60°



Item Code	Head/Tail	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1240134	-0404	NA	04	6,0	1/4"	04	1/4-18	27,5	17,0
1240135	-0605	NA	05	8,0	5/16"	06	3/8-18	30,5	19,0
1215271	-0606	-	06	10,0	3/8"	06	3/8-18	31,0	19,0
1215272	-0808	-	08	13,0	1/2"	08	1/2-14	35,0	22,0
1215273	-1212	NA	12	19,0	3/4"	12	3/4-14	37,9	30,0
1215274	-1616	-	16	25,0	1"	16	1-11 1/2	47,3	36,0

WATERBLAST

The **Dunlop Hiflex** WATERBLAST range offers a simple, no-nonsense solution matching generic industry pressure rating, and is backed by 30 years' experience in the supply of fully tested and certified waterjetting hose assemblies to a worldwide market.

High-performace WATERBLAST hose features flexibility, light weight and durability and comes in three pressure series carrying colour-coded branding for easy identification. Hose and fittings are concurrently engineered and manufactured from the highest quality materials, within recognised quality standards, to surpass industry specifications and deliver maximum reliability in service.

All WATERBLAST hoses are designed with a safety factor of 2.5:1 in line with RMA (USA), BFPA (UK) and DIN (Germany) standards.

WATERBLAST applications

- Surface preparation
- Pavement maintenance
- Paint removal
- Corrosion and dust removal
- Welding residue, drawing compounds removal
- Tank cleaning
- Hydrodemolition of concrete
- Water Jets texture sandstone
- Water Jet cutting of food and soft materials
- Abrasive Jet cutting of hard materials

It is recommended that, in line with industry regulations, all WATERBLAST assemblies are pressure tested to 1.5 times the maximum working pressure.

- The use of the hose above the maximum working pressure causes over-stressing of the reinforcement and will lead to premature failure. Relief valves should be set to operate at 10% above the maximum working pressure. Pulsanting pressures will also have the same effect on hoses by reducing life and should be controlled as far as possible.
- Hoses change in length under pressure and this can be ±2%. If allowance is not made for this the hose can rupture or pull out of its fittings, either of which could cause bodily injury to the operator. This contraction must be allowed for when using chains to clamp lengths together.
- Fitting retention on hoses is particulary dependent on temperature. The basis for the WATERBLAST safety factor of 2.5:1 relies on temperatures not exceeding 70°C.
- Fittings are designed to anchor on to hoses to resist the effects of pressure from inside the hose; they have not been designed for any other purpose. It is normal in waterblast operations to join several lenghts of hose together. However it is not recommended that these lengths are permitted to hang. This puts a large stress on the highest fittings and restricts the natural ability of the hose to contract under pressure. Tensile loads of any kind should be avoided.
- Physical damage to the hose caused by crushing or twisting will distort the reinforcement and lead to hose failure. Damage to the hose cover allowing water ingress will eventually lead to corrosion of the carbon steel wires. Damage to the cover is unavoidable, especially in contact with sharp edges. Once the cover has been damaged down to the wire the assembly should be replaced.
- High-pressure water is dangerous. Always wear adequate protective clothing, boots and eye protection.

HEAD OFFICE

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