

ISOBARIC RANGE 18752



// NEW EN ISO 18752 ISOBARIC HOSE RANGE

The Dunlop Hiflex **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
 Dunlop Hiflex 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. **Hi-tuff MSHA-approved flame-resistant covers** ensure **safety and longevity**, even in hazardous environments including mining applications. **Tuflex 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 DUNLOP HIFLEX 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 cycles
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 grade 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

// WIRE BRAID HOSES.....	4
// WIRE SPIRAL HOSES.....	7

// WIRE BRAID HOSES

// ISO-LINE 3K - HI-TUFF



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	DHFI Item Code	Con-str.	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
1005948	3KBAA-04	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
1005949	3KBAA-05	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
1005950	3KBAA-06	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
1005951	3KBAA-08	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
1005952	3KBAA-10	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
1005953	3KBAA-12	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
1005954	3KBAA-16	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 Polyethylene (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.

// ISO-LINE 4K - HI-TUFF



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	DHFI 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
1005955	4KBAA-04	2WB	4	6,0	1/4"	13,0	0,51	28,0	4000	112,0	16000	50	1,97	0,259	0,18	ISO CC
1005956	4KBAA-05	2WB	5	8,0	5/16"	14,5	0,57	28,0	4000	112,0	16000	55	2,17	0,313	0,22	ISO CC
1005957	4KBAA-06	2WB	6	10,0	3/8"	16,8	0,66	28,0	4000	112,0	16000	65	2,56	0,373	0,26	ISO CC
1005958	4KBAA-08	2WB	8	13,0	1/2"	20,6	0,81	28,0	4000	112,0	16000	90	3,54	0,502	0,34	ISO CC
1005959	4KBAA-10	2WB	10	16,0	5/8"	23,2	0,91	28,0	4000	112,0	16000	100	3,94	0,598	0,41	ISO BC
1005960	4KBAA-12	2WB	12	19,0	3/4"	27,4	1,08	28,0	4000	112,0	16000	150	5,91	0,831	0,56	ISO BC

// ISO-LINE 4K - TUFLEX



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. Special "tuflex" cover for long service life in extreme applications where low friction and very high abrasion or underwater resistance are required.**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 – +100°C (-40°F – +212°F)

air max T = +70°C (+160°F)

Length: random

Item Code	DHFI 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
1005986	4KBSTAA-04	4	6,0	1/4"	13,0	0,51	28,0	4000	112,0	16000	50	1,97	0,275	0,19	ISO CC
1005988	4KBSTAA-05	5	8,0	5/16"	14,5	0,57	28,0	4000	112,0	16000	55	2,17	0,328	0,23	ISO CC
1005990	4KBSTAA-06	6	10,0	3/8"	16,8	0,66	28,0	4000	112,0	16000	65	2,56	0,393	0,27	ISO CC
1005992	4KBSTAA-08	8	13,0	1/2"	20,6	0,81	28,0	4000	112,0	16000	90	3,54	0,528	0,36	ISO CC
1005995	4KBSTAA-10	10	16,0	5/8"	23,2	0,91	28,0	4000	112,0	16000	100	3,94	0,622	0,42	ISO BC
1005997	4KBSTAA-12	12	19,0	3/4"			28,0	4000	112,0	16000	150	5,91	0,831	0,56	ISO BC

// ISO-LINE 5K - HI-TUFF



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	DHFI Item Code	Con-str.	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
1005961	5KBAA-04	2WB	4	6,0	1/4"	13,0	0,51	35,0	5000	140,0	20000	50	1,97	0,259	0,18	ISO CC
1005962	5KBAA-05	2WB	5	8,0	5/16"	14,5	0,57	35,0	5000	140,0	20000	55	2,17	0,313	0,22	ISO CC
1005963	5KBAA-06	2WB	6	10,0	3/8"	16,8	0,66	35,0	5000	140,0	20000	65	2,56	0,373	0,26	ISO BC
1005964	5KBAA-08	2WB	8	13,0	1/2"	21,0	0,83	35,0	5000	140,0	20000	120	4,72	0,534	0,36	ISO BC

// ISO-LINE 5K - TUFLEX



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. Special "tuflex" cover for long service life in extreme applications where low friction and very high abrasion or underwater resistance are required.

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 – +100°C (-40°F – +212°F)

air max T = +70°C (+160°F)

Length: random

Item Code	DHFI 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
1006007	5KBSTAA-04	4	6,0	1/4"	13,0	0,51	35,0	5000	140,0	20000	50	1,97	0,275	0,19	ISO CC
1006002	5KBSTAA-05	5	8,0	5/16"	14,5	0,57	35,0	5000	140,0	20000	55	2,17	0,328	0,23	ISO CC
1006004	5KBSTAA-06	6	10,0	3/8"	16,8	0,66	35,0	5000	140,0	20000	65	2,56	0,393	0,27	ISO BC
1006006	5KBSTAA-08	8	13,0	1/2"	21,0	0,83	35,0	5000	140,0	20000	120	4,72	0,560	0,38	ISO BC

// WIRE SPIRAL HOSES

// POWERFLEXBIO EXTRA 3000 - HI-TUFF



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 – +121°C (-40°F – +250°F)

Length: 61 m max

Item Code	DHFI 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
1004861	E3KAA-20	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
1004862	E3KAA-24	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
1004863	E3KAA-32	32	51,0	2"	64,7	2,55	21,0	3000	84,0	12000	318	12,52	4,080	2,75	ISO CC

// POWERFLEXBIO EXTRA 4000 - HI-TUFF



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 – +121°C (-40°F – +250°F)

Length: random up to 1" - 61 m max over 1"1/4

Item Code	DHFI 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
1004895	E4KAA-08	8	13,0	1/2"	22,6	0,89	28,0	4000	112,0	16000	90	3,54	0,624	0,42	ISO CC
1004864	E4KAA-12	12	19,0	3/4"	29,0	1,14	28,0	4000	112,0	16000	120	4,72	0,978	0,66	ISO CC
1004865	E4KAA-16	16	25,0	1"	37,2	1,46	28,0	4000	112,0	16000	150	5,91	1,479	1,00	ISO CC
1004866	E4KAA-20	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
1004867	E4KAA-24	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
1004868	E4KAA-32	32	51,0	2"	64,7	2,55	28,0	4000	112,0	16000	318	12,52	4,001	2,69	ISO CC

// POWERFLEXBIO EXTRA 4000 - TUFLEX



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. Special "tuflex" cover for long service life in extreme applications where low friction and very high abrasion or underwater resistance are required.

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)

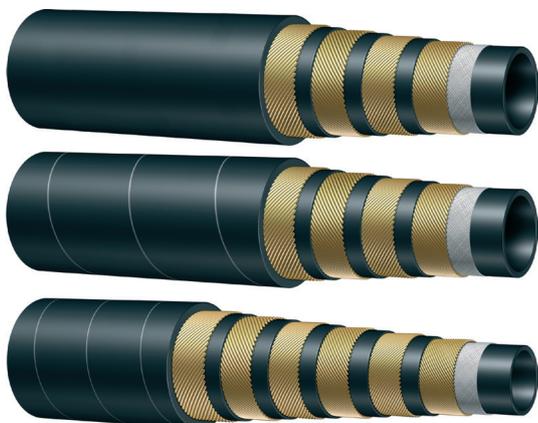
Length: random up to 1" - 61 m max over 1 1/4"

Item Code	DHFI Item Code	Con-str.	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
1005257	E4KSTAA-12	4WS	12	19,0	3/4"	29,0	1,14	28,0	4000	112,0	16000	120	4,72	0,995	0,67	ISO CC
1005258	E4KSTAA-16	4WS	16	25,0	1"	37,4	1,47	28,0	4000	112,0	16000	150	5,91	1,495	1,01	ISO CC
1005259	E4KSTAA-20	4WS	20	32,0	1 1/4"	44,2	1,74	28,0	4000	112,0	16000	210	8,27	2,214	1,49	ISO CC
1005260	E4KSTAA-24	4WS	24	38,0	1 1/2"	50,6	1,99	29,0	4200	116,0	16800	250	9,84	2,610	1,76	ISO CC
1005261	E4KSTAA-32	4WS	32	51,0	2"	64,7	2,55	28,0	4000	112,0	16000	318	12,52	3,900	2,63	ISO CC

// POWERFLEXBIO EXTRA 5000 - HI-TUFF



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 – +121°C (-40°F – +250°F)

Length: random up to 1" - 61 m max over 1 1/4"

Item Code	DHFI Item Code	Con-str.	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
1004869	E5KAA-10	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
1004870	E5KAA-12	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
1004871	E5KAA-16	4WS	16	25,0	1"	37,4	1,47	35,0	5000	140,0	20000	150	5,91	1,730	1,17	ISO CC
1004872	E5KAA-20	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
1004873	E5KAA-24	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
1004874	E5KAA-32	6WS	32	51,0	2"	68,7	2,70	35,0	5000	140,0	20000	318	12,52	5,787	3,89	ISO CC

// POWERFLEXBIO EXTRA 5000 - TUFLEX



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. Special "tuflex" cover for long service life in extreme applications where low friction and very high abrasion or underwater resistance are required.

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	DHFI Item Code	Con-str.	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
1005262	E5KSTAA-10	4WS	10	16,0	5/8"	25,2	0,99	35,0	5000	140,0	20000	100	3,94	0,878	0,60	ISO CC
1005263	E5KSTAA-12	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
1005264	E5KSTAA-16	4WS	16	25,0	1"	37,4	1,47	35,0	5000	140,0	20000	150	5,91	1,702	1,15	ISO CC
1005265	E5KSTAA-20	4WS	20	32,0	1 1/4"	44,0	1,73	35,0	5000	140,0	20000	210	8,27	2,367	1,60	ISO CC
1005266	E5KSTAA-24	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
1005267	E5KSTAA-32	6WS	32	51,0	2"	68,7	2,70	35,0	5000	140,0	20000	318	12,52	5,890	3,96	ISO CC

// POWERFLEXBIO EXTRA 5000 PLUS - HI-TUFF



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 – +121°C (-40°F – +250°F)

Length: random

Item Code	DHFI 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
1004875	E5PAA-12	12	19,0	3/4"	30,2	1,19	38,0	5500	152,0	22040	120	4,72	1,276	0,86	ISO CC
1004876	E5PAA-16	16	25,0	1"	37,4	1,47	38,0	5500	152,0	22040	150	5,91	1,817	1,23	ISO CC

// POWERFLEXBIO EXTRA 6000 - HI-TUFF



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.

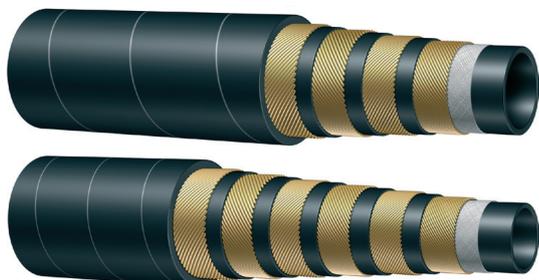
Specially designed for long service life in very demanding applications where compact design, high pulsating pressure and tight bend radius are required.

Temperature: -40°C – +121°C (-40°F – +250°F)

Length: random up to 1" - 61 m max over 1"1/4

Item Code	DHFI Item Code	Con-str.	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
1004877	E6KAA-04	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
1004878	E6KAA-06	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
1004879	E6KAA-08	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
1004880	E6KAA-10	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
1004881	E6KAA-12	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
1004882	E6KAA-16	4WS	16	25,0	1"	38,0	1,50	42,0	6000	168,0	24000	150	5,91	2,017	1,36	ISO CC
1004883	E6KAA-20	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
1004884	E6KAA-24	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
1004885	E6KAA-32	6WS	32	51,0	2"	68,7	2,70	42,0	6000	168,0	24000	380	14,96	6,031	4,06	ISO CC

// POWERFLEXBIO EXTRA 6000 - TUFLEX



ISO 18752 - exceeds SAE 100 R15

Tube: petroleum and biodegradable hydraulic fluid resistant synthetic rubber.

Reinforcement: four/six high tensile steel spirals.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. Special "tuflex" cover for long service life in extreme applications where low friction and very high abrasion or underwater resistance are required.

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	DHFI Item Code	Con-str.	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
1005268	E6KSTAA-04	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
1005269	E6KSTAA-06	4WS	6	10,0	3/8"	19,8	0,78	44,5	6450	178,0	25800	75	2,95	0,615	0,42	ISO CC
1005270	E6KSTAA-08	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
1005271	E6KSTAA-10	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
1005272	E6KSTAA-12	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
1005274	E6KSTAA-16	4WS	16	25,0	1"	38,0	1,50	42,0	6000	168,0	24000	150	5,91	1,961	1,32	ISO CC
1005275	E6KSTAA-20	6WS	20	32,0	1 1/4"	47,6	1,87	42,0	6000	168,0	24000	225	8,86	3,140	2,12	ISO CC
1005276	E6KSTAA-24	6WS	24	38,0	1 1/2"	54,4	2,14	42,0	6000	168,0	24000	305	12,01	4,155	2,80	ISO CC
1005277	E6KSTAA-32	6WS	32	51,0	2"	68,7	2,70	42,0	6000	168,0	24000	380	14,96	6,098	4,10	ISO CC

// FERRULE SELECTION CHART

// NO SKIVE FERRULE FOR STANDARD FITTINGS

Hose	Table n°	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48
		DN 5	DN 6	DN 8	DN 10	DN 12	DN 16	DN 19	DN 25	DN 32	DN 38	DN 51	DN 63	DN 76
		3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
ISO-LINE 3K	735		110000	110000	110000	110000	110000	110000						
ISO-LINE 4K	737		110000	110000	110000	110000	110000							
ISO-LINE 5K	739		110000	110000	110000									

// SKIVE FERRULE FOR STANDARD FITTINGS

Hose	Table n°	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48
		DN 5	DN 6	DN 8	DN 10	DN 12	DN 16	DN 19	DN 25	DN 32	DN 38	DN 51	DN 63	DN 76
		3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
ISO-LINE 3K	734		H1100SK1											
ISO-LINE 4K	736		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1						
ISO-LINE 5K	738		H1100SK1	H1100SK1	H1100SK1	H1100SK1								
POWERFLEXBIO EXTRA 3K	320									440000	440000	440000		
POWERFLEXBIO EXTRA 4K	321				440000	440000	440000	440000	440000	440000	440000	440000		
POWERFLEXBIO EXTRA 5K	322						440000	440000	440000					
POWERFLEXBIO EXTRA 5K PLUS	323							440000						
POWERFLEXBIO EXTRA 6K	324		440000		440000	440000								

// INTERLOCK FERRULE FOR INTERLOCK FITTINGS

Hose	Table n°	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48	-56
		DN 10	DN 12	DN 16	DN 19	DN 25	DN 32	DN 38	DN 51	DN 63	DN 76	DN 90
		3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"
POWERFLEXBIO EXTRA 4K	708					270000	270000	270000	270000			
POWERFLEXBIO EXTRA 5K	710				270000	270000	270000	280000	280000	200000		
POWERFLEXBIO EXTRA 5K PLUS	712				270000	270000						
POWERFLEXBIO EXTRA 6K	714			280000	270000	270000	280000	280000	200000			

// NO SKIVE FERRULE FOR MULTISPIRAL FITTINGS

Hose	Table n°	-06	-08	-10	-12	-16	-20	-24	-32
		DN 10	DN 12	DN 16	DN 19	DN 25	DN 32	DN 38	DN 51
		3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
POWERFLEXBIO EXTRA 4K	726	230000	230000	230000	230000	230000	230000	230000	230000
POWERFLEXBIO EXTRA 5K	727			230000	230000	230000	230000	230000	230000
POWERFLEXBIO EXTRA 5K PLUS	728				230000	230000			
POWERFLEXBIO EXTRA 6K	729	230000	230000	230000	230000	230000	230000	230000	

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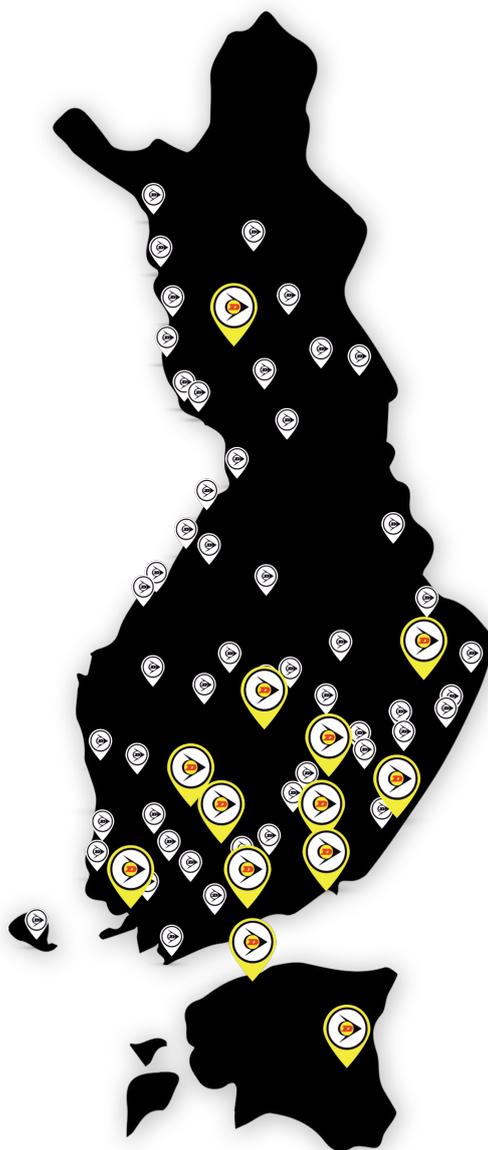
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