



//HELIX

THERMOPLASTIC MULTISPIRAL HOSE
FOR WATERBLASTING & HYDRAULIC
APPLICATIONS



//TO UHP

ULTRA HIGH PRESSURE
THERMOPLASTIC HOSE DIVISION



TRANSFER OIL

// ASSEMBLY VALIDATION TEST RIG 6,000 BAR | 87,000 PSI

To perform proof pressure testing on all production of HELIX multispiral hose assemblies Transfer Oil has installed a 6000 bar (87000 psi) proof pressure test stand. This machine is able to pressurize assembled hoses with a programmable pressure curve.

This means that the test pressure, the raise time, the pressure stabilization time, the pressure hold time, and the maximum allowable pressure drop can be programmed by the operator according to the exact specification requirements.

This machine can test hoses with a diameter range from DN3 to DN25, in long lengths, with a test pressure range from 400 bar (5800 psi) to 6000 bar (87000 psi) using a water mixture as test medium.

The data of every single test performed is recorded as an official test report and automatically sent to, and stored within, the QA data system.



Quality Assurance inspects the hose assembly before it is proof tested at the Maximator test stand. The pressure test of hose assemblies is performed 100%. At the end of testing, Quality Assurance issues the certificate of conformity which is attached to each hose assembly.



WARNING
HIGH PRESSURE:

This product is designed to operate at Ultra High Pressure. There is an inherent risk of injury / fatality arising from abuse, improper handling or using defective / damaged equipment. A complete and thorough inspection of the hose and fittings must be maintained prior to every operation. Any defective, worn or damaged components must be replaced with immediate effect. If in doubt, or in case of further questions, please contact us at:

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Via Sacca, 64 - 43052 - Colomo - Parma - Italy
Tel.: +39 0521 3139 - Fax: +39 0521 814160
info@transferoil.com

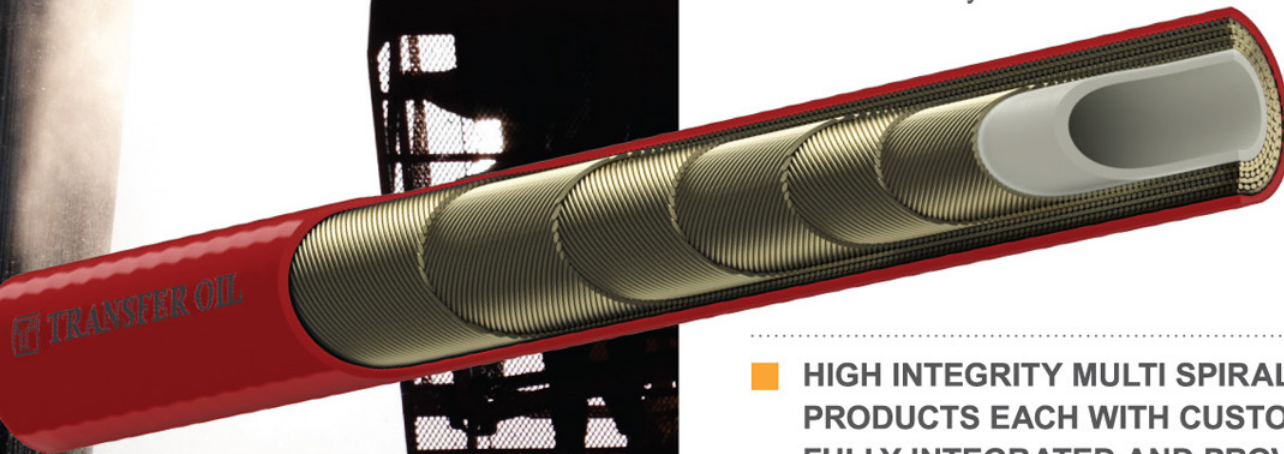
MR242

TRANSFER OIL
www.transferoil.com

//TO UHP

WATERBLASTING & HYDRAULIC APPLICATIONS

Transfer Oil HELIX –UHP Hose is a comprehensive range of fully engineered polymer hoses featuring combination spiral layered steel reinforcement. Each hose family has been carefully developed with bespoke insert and ferrule designs to maintain the highest integrity of both the components and the final assembly.



- HIGH INTEGRITY MULTI SPIRAL HOSE PRODUCTS EACH WITH CUSTOMISED FULLY INTEGRATED AND PROVEN INSERT / FERRULE COMBINATIONS
- PRODUCT RANGE UP TO 2800 BAR WORKING PRESSURE
- SUPERIOR CHEMICAL AND ABRASION RESISTANT COVERS
- QUALITY SYSTEM CERTIFIED BY TÜV: ISO 9001:2008 AND ISO 14001:2004



HELIX - UHP WATERBLAST & HYDRAULIC

Thermoplastic hose for Ultra High Pressure applications

FEATURES

INNER TUBE

Thermoplastic polymer.

REINFORCEMENT

From two to six spiral layers of steel wire

COVER

Thermoplastic polymer turquoise or red, non pinpricked, black ink-jet branding

INDUSTRIAL APPLICATIONS

Waterjet cutting. Tube cleaning, surface preparation and paint removal. Hydro demolition. Ships, tanks and vessel cleaning. Waterblast supply hose. General industrial cleaning. Removal of accumulated dirt from surfaces. Testing applications

HYDRAULIC APPLICATIONS

Hydraulic jacks // Bolt tensioning // Testing applications // General UHP hydraulic applications

FEATURES

Ultra high working pressure // Excellent chemical resistance // Resistance to ozone, ultraviolet light and aging // High resistance against abrasion // Low volumetric expansion at maximum working pressure // Resistant to sea water // High impulse resistance // Long length capability // Excellent cut and crush resistance

TEMPERATURE RANGE

-30°C to +60°C (-22°F to +140°F).

DESCRIPTION

Ultra High Pressure hose utilising high tensile steel wire applied in counter rotating multiple spiral layers.

Tube and cover of engineering polymer with intermediate adhesion layers.

Available as factory made assemblies: please contact our sales office for further details.

APPLICATIONS



OTHER FEATURES

STANDARD



Coils



Hose assembly



Stainless steel assembly

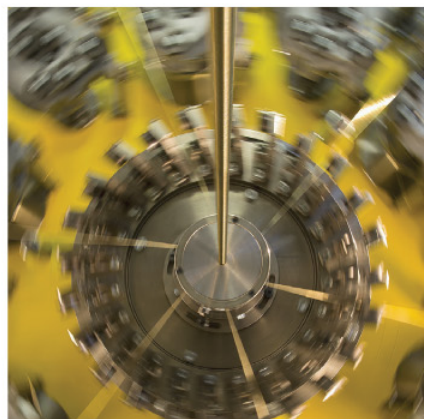
OPTIONAL



Reel

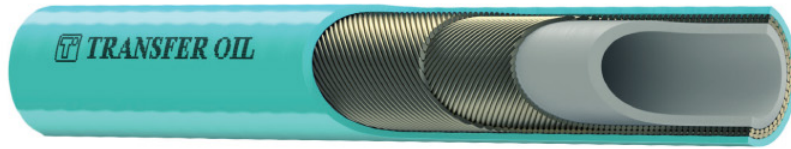


Twin multiline



// 202 2SW - HELIX

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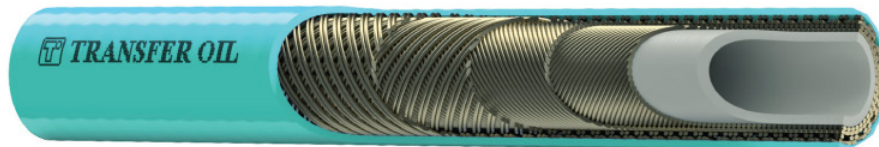
from 690 to 1200 bar
(10000 to 17400 psi)

*Use only UHP ferrule and fittings

part no.	hose size			ID		OD		WP		BP		safety factor	bend radius		weight		ferrule part no.	
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	carbon	stainless
202B	-	1/8	DN3	3,40	0,134	7,00	0,276	1040	15000	2600	37500	2,5:1	60	2,362	-	-	HAA1B1	HAA8B1
2020	-	5/32	DN4	4,00	0,157	8,20	0,323	1200	17400	3000	43500	2,5:1	70	2,756	85	0,057	HAA101	HAA801
2021	-3	3/16	DN5	5,00	0,197	9,80	0,386	1040	15000	2600	37500	2,5:1	90	3,543	112	0,075	HAA111	HAA811
2022	-4	1/4	DN6	6,20	0,244	11,50	0,453	1040	15000	2600	37500	2,5:1	110	4,331	164	0,110	HAA121	HAA821
2023	-5	5/16	DN8	7,90	0,311	13,70	0,539	900	13000	2250	32500	2,5:1	130	5,118	227	0,153	HAA131	HAA831
2024	-6	3/8	DN10	9,90	0,390	16,40	0,646	690	10000	1725	25000	2,5:1	150	5,906	302	0,203	HAA141	HAA841
2025	-8	1/2	DN12	12,80	0,504	20,40	0,803	690	10000	1725	25000	2,5:1	190	7,480	452	0,304	HAA151	HAA851

// 203 2+2SW - HELIX

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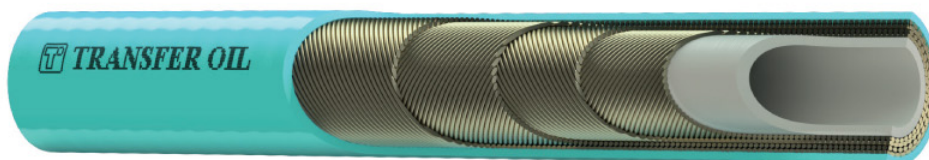
from 1040 to 1400 bar
(15000 to 20300 psi)

*Use only UHP ferrule and fittings

part no.	hose size			ID		OD		WP		BP		safety factor	bend radius		weight		ferrule part no.	
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	carbon	stainless
2030	-	5/32	DN4	4,00	0,157	10,30	0,406	1400	20300	3500	50750	2,5:1	60	2,362	181	0,122	HAB101	HAB801
2032	-4	1/4	DN6	6,20	0,244	13,20	0,520	1280	18500	3200	46250	2,5:1	90	3,543	258	0,173	HAB121	HAB821
2033	-5	5/16	DN8	7,90	0,311	15,40	0,606	1200	17400	3000	43500	2,5:1	100	3,937	322	0,216	HAB131	HAB831
2034	-6	3/8	DN10	9,90	0,390	18,20	0,717	1100	15900	2750	39750	2,5:1	120	4,724	455	0,306	HAB141	HAB841
2035	-8	1/2	DN12	12,80	0,504	22,10	0,870	1040	15000	2600	37500	2,5:1	140	5,512	693	0,466	HAB151	HAB851

// 204 4SW - HELIX

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from 900 to 2200 bar
(13000 to 31900 psi)

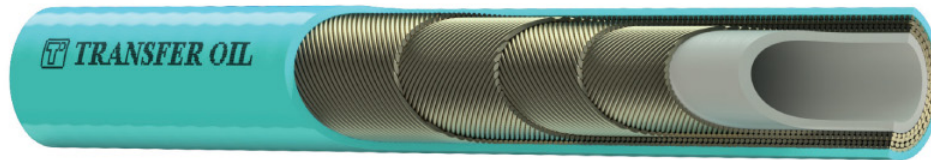
*Use only UHP ferrule and fittings

part no.	hose size			ID		OD		WP		BP		safety factor	bend radius		weight		ferrule part no.	
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	carbon	stainless
2040	-	5/32	DN4	4,00	0,157	10,10	0,398	2200	31900	5500	79750	2,5:1	120	4,724	-	-	HAC101	HAC801
2041	-3	3/16	DN5	5,00	0,197	11,60	0,457	1800	26100	4500	65250	2,5:1	140	5,512	273	0,183	HAC111	HAC811
2042	-4	1/4	DN6	6,20	0,244	13,30	0,524	1640	23700	4100	59250	2,5:1	170	6,693	-	-	HAC121	HAC821
2043	-5	5/16	DN8	7,90	0,311	15,60	0,614	1500	21700	3750	54250	2,5:1	190	7,480	480	0,323	HAC131	HAC831
2044	-6	3/8	DN10	9,90	0,390	18,80	0,740	1400	20300	3500	50750	2,5:1	190	7,480	-	-	HAC141	HAC841
2045	-8	1/2	DN12	12,80	0,504	21,60	0,850	1300	18800	3250	47000	2,5:1	200	7,874	-	-	HAC151	HAC851
2047	-12	3/4	DN20	18,80	0,740	30,00	1,181	1000	14500	2500	36250	2,5:1	250	9,843	1449	0,974	HAC171	HAC871
2048	-16	1	DN25	24,80	0,976	36,20	1,425	900	13000	2250	32500	2,5:1	300	11,811	-	-	HAC181	HAC881

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// 214 4SWH - HELIX



up to 1400 bar
(up to 20300 psi)

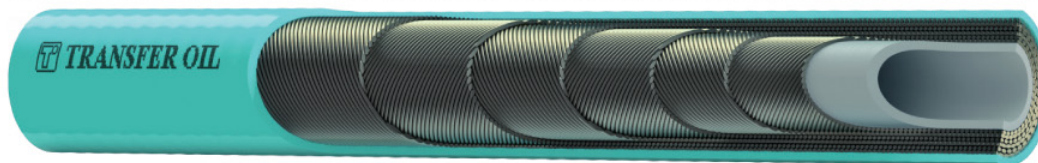
*Use only UHP ferrule and fittings

part no.	hose size			ID		OD		WP		BP		safety factor	bend radius		weight		ferrule part no.	
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	carbon	stainless
2145	-8	1/2	DN12	12,80	0,504	22,50	0,886	1400	20300	3500	50750	2,5:1	180	7,087	967	0,650	HAD151	-

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// 206 6SW - HELIX



from 1200 to 2800 bar
(17400 to 40600 psi)

*Use only UHP ferrule and fittings

part no.	hose size			ID		OD		WP		BP		safety factor	bend radius		weight		ferrule part no.	
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	carbon	stainless
2060	-	5/32	DN4	4,00	0,157	11,50	0,453	2800	40600	7000	101500	2,5:1	170	6,693	-	-	HAE101	HAE801
2061	-3	3/16	DN5	5,00	0,197	14,40	0,567	2500	36200	6250	90500	2,5:1	190	7,480	-	-	HAE111	HAE811
2063	-5	5/16	DN8	7,90	0,311	17,30	0,681	2100	30400	5250	76000	2,5:1	240	9,449	-	-	HAE131	HAE831
2064	-6	3/8	DN10	9,90	0,390	20,80	0,819	1920	27800	4800	69500	2,5:1	250	9,843	-	-	HAE131	HAE831
2065	-8	1/2	DN12	12,80	0,504	24,50	0,965	1800	26100	4500	65250	2,5:1	300	11,811	1301	0,874	HAE151	HAE851
2067	-12	3/4	DN20	18,80	0,740	32,20	1,268	1400	20300	3500	50750	2,5:1	350	13,780	-	-	HAE171	HAE871
2068	-16	1	DN25	24,80	0,976	38,80	1,528	1200	17400	3000	43500	2,5:1	600	23,622	-	-	HAE181	HAE881

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// 216 6SWH - HELIX



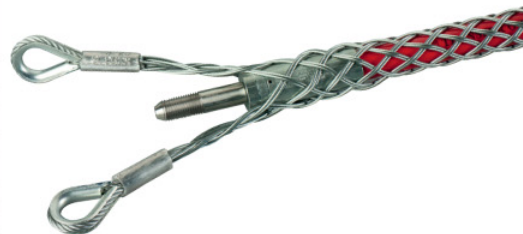
from 2000 to 2800 bar
(29000 to 40600 psi)

*Use only UHP ferrule and fittings

part no.	hose size			ID		OD		WP		BP		safety factor	bend radius		weight		ferrule part no.	
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	carbon	stainless
2161	-3	3/16	DN5	5,00	0,197	14,40	0,567	2800	40600	7000	101500	2,5:1	210	8,268	550	0,370	HAF111	HAF811
2162	-4	1/4	DN6	6,20	0,244	16,60	0,654	2800	40600	7000	101500	2,5:1	250	9,843	-	-	HAF121	HAF821
2163	-5	5/16	DN8	7,90	0,311	19,00	0,748	2500	36200	6250	90500	2,5:1	250	9,843	-	-	HAF131	HAF831
2165	-8	1/2	DN12	12,80	0,504	25,60	1,008	2000	29000	5000	72500	2,5:1	300	11,811	-	-	HAF151	HAF851

// SXE - HOSE ARRESTORS

part no.	description	size	strength
SXE001	Hose Arrestor D.6-10	L=600/740 mm	6,6 κN
SXE002	Hose Arrestor D.10-15	L=600/740 mm	10,2 κN
SXE003	Hose Arrestor D.15-20	L=600/780 mm	20,4 κN
SXE004	Hose Arrestor D.20-25	L=600/800 mm	20,5 κN
SXE005	Hose Arrestor D.25-30	L=600/800 mm	24,3 κN
SXE006	Hose Arrestor D.30-40	L=600/820 mm	35,1 κN
SXE007	Hose Arrestor D.40-50	L=600/850 mm	48,0 κN



// SXD - EXTRA TOUGH COVER

part no.	description
SXD001	Protection cover 19X27
SXD002	Protection cover 22X29
SXD003	Protection cover 25X33
SXD004	Protection cover 30X38
SXD005	Protection cover 32X42
SXD006	Protection cover 40X49
SXD007	Protection cover 45X55
SXD008	Protection cover 50X60



// SXD - PVC CLEAR PROTECTION COVER

part no.	description
SXD101	PVC clear protection cover14X19
SXD102	PVC clear protection cover16X22
SXD103	PVC clear protection cover18X24
SXD104	PVC clear protection cover20X27
SXD105	PVC clear protection cover22X29
SXD106	PVC clear protection cover25X33
SXD107	PVC clear protection cover30X38
SXD108	PVC clear protection cover35X45
SXD109	PVC clear protection cover42X52



TRANSFER OIL

COMMITMENT, DEDICATION AND WINNING STRATEGIES.



Transfer Oil S.p.A., with more than 35 years of experience, are today one of the major independent manufacturers of thermoplastic and PTFE hose, catering for numerous applications within the medium, high and very high pressure Hydraulic and Industrial markets. Since its founding all products manufactured by Transfer Oil are designed, developed and produced in state of the art production facilities headquartered in Colorno, Italy. Long standing cooperation with the industries most prominent global suppliers ensure a responsive network of distribution partners extending through over 65 countries across the globe. Providing quick availability and technical support for whatever the demands may be. With a total capacity of more than 13 million meters (42 million feet) per year, Transfer Oil hose products are divided into 3 main segments.

TO HYDRAULIC Thermoplastic hose and fitting solutions used in a wide variety of high pressure hydraulic fluid power applications such as general hydraulic systems for lift-trucks, aerial platforms, cranes, mobile tensioning devices, rescue tools and off-shore equipment including non-conductive variants.

TO INDUSTRIAL Thermoplastic and PTFE hose and fitting solutions for a wide variety of industrial applications such as high pressure sewer jetting, lubrication & greasing equipment, CNG refuelling systems, gas and water supply, paint spray and aggressive chemicals applicators, air breathing cylinder refilling and many more.

TO UHP Multi Spiral Ultra High Pressure hoses and fittings (up to 2800 bar/40600 psi), characterized by a combination of different spiral steel reinforcement layers, perfect for waterjet cutting, tube & tanks cleaning, surface preparation & paint removal, hydro demolition, ships & vessel cleaning, waterblast and general industrial cleaning.

Hoses made by Transfer Oil are made to the highest internal standards which have been accredited by ISO 9001:2008 certification. Engineered integrity is maintained throughout the manufacturing process that ensures that the critical dimensions can be continuously controlled and maintained throughout the production cycle. This in accordance to and in compliance with the API 17E requirements. All hoses conform and perform, where applicable, to the relevant ISO - SAE - EN standards throughout the production cycle. This in accordance to and in compliance with the API 17E requirements. All hoses conform and perform, where applicable, to the relevant ISO - SAE - EN standards.

THE QUALITY SYSTEM

Transfer Oil - one of the first companies in the industry to obtain the ISO 9001 certification in 1993 - has developed its own quality system to guarantee customer's satisfaction by using computerized control production systems to which all processes of both production facilities are connected.



member of



TRANSFER OIL

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