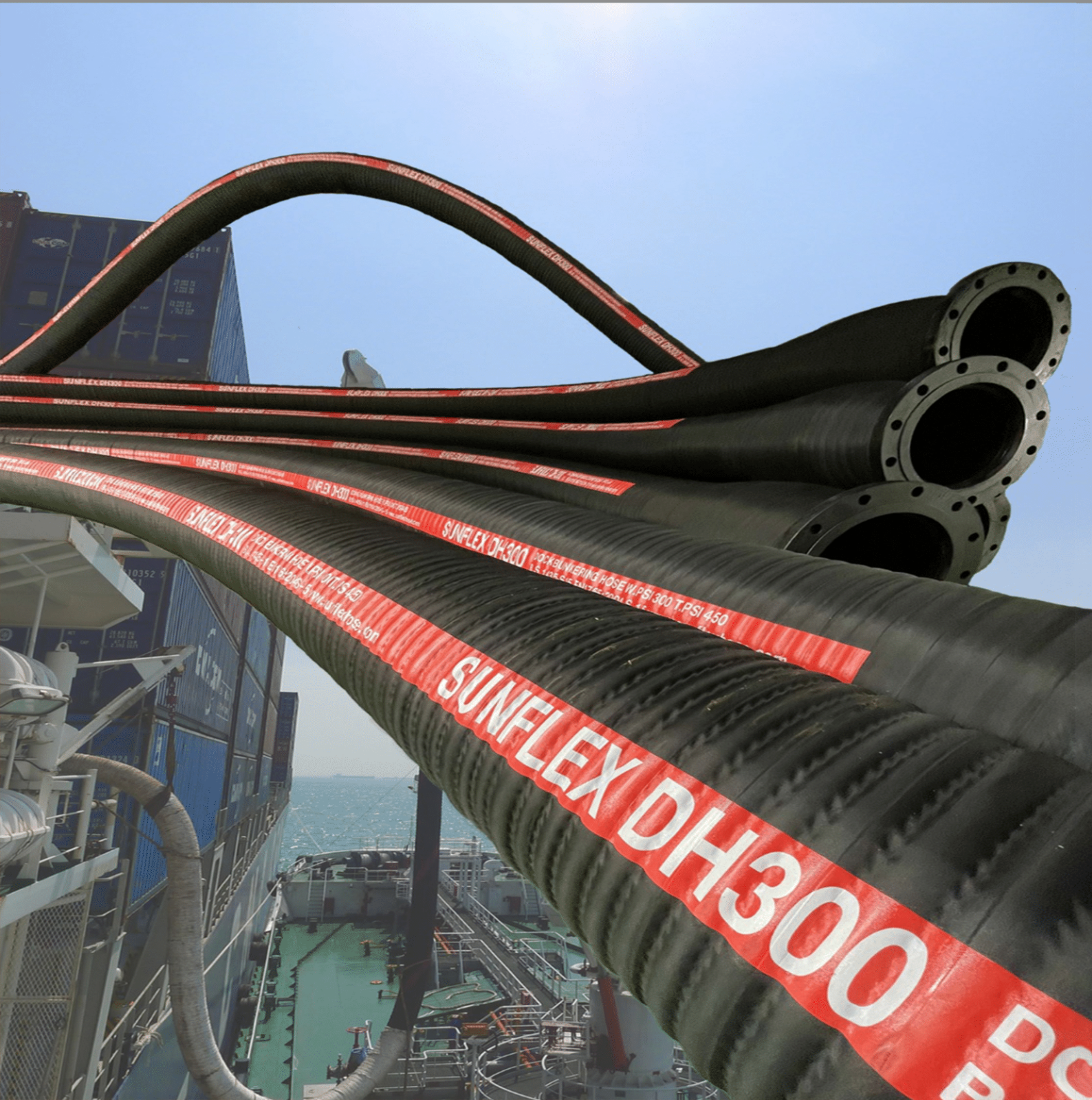




**Lillbacka**  
**FINN-POWER**

**Hydraulic & Industrial Hose and Crimping Machine**



**PRODUCT  
CATALOGUE**



## Company Profile



Sunway Marketing is the trading / distribution and manufacturing arm of Sunway Group, a well diversified conglomerate with interests in Quarry, Premix, Readymix and Concrete Based Product Manufacturing, Civil Engineering and Building Contructions, Hotel And Hospitality Service, Medical Center, Theme Parks, Higher Education, Computer Services, Property Development & Management and Trading. The Sunway Group has two (2) separate group listed on the main board of the Kuala Lumpur Stock Exchange Malaysia. Each of these groups is a specialist of its own respective product and services resulting in inter-company and group synergy.

PT. Sunway Trek Masindo was Incorporates in Indonesia on 23rd October 2003 and it is a one stop center for Hoses, Fitting, Coupling, Tubes, and Accessories, Service Provider. As one of the largest stockist of hoses, couplings, adaptor and fittings in Asia, PT. Sunway Trek Masindo has large operation and warehouse facilites located in Indonesia ( Jakarta, Surabaya, Pekanbaru, Jambi, Balikpapan, Samarinda, Banjarmasin, Medan and Batam) to facilitate customer's needs. Sunway's own branding "SUNFLEX" has a proven track in quality and out pre and post sales service is the envy of many our competitors and customers. Our customer base includes marine and oil exploration, bulk transporters, bunkering vessel owners, mining operators and oil storage companies.

## Mission

>> To be a leading conglomerate providing world-class and competitive products and services that enhance stakeholders value.

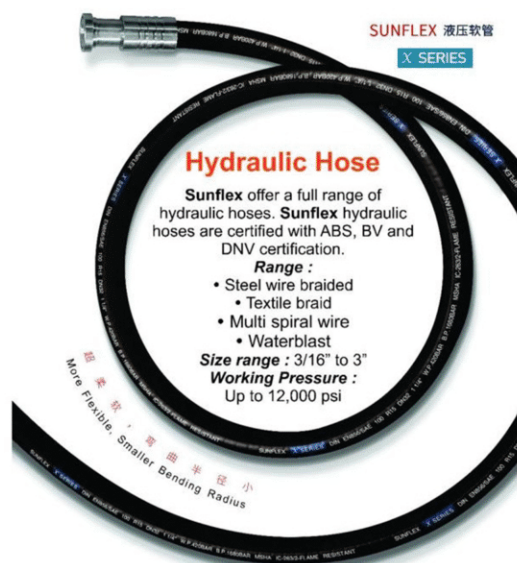
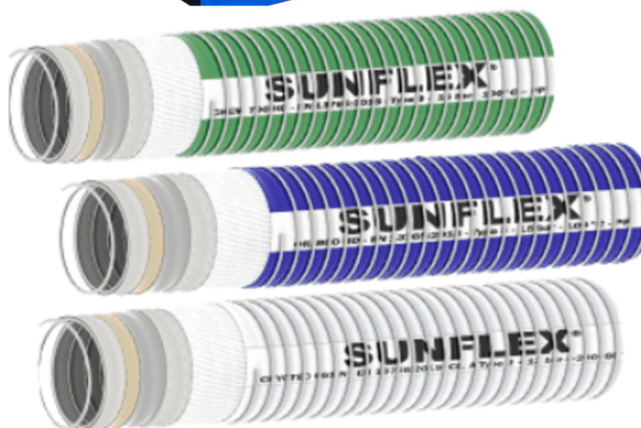
## Vision

- >> To provide quality products and services that exceed customers expectation.
- >> To continuously attract, retain and develop Human Capital.
- >> To achieve market leadership and operating excellence in every business segment.

## Core Values

- >> Excellence - We will have only one standard EXCELLENCE!
- >> Customers - We will strive to exceed customers expectations.
- >> Motivating Leadership - We will lead by example.
- >> Teamwork - We share one Vision, we work as one Team.
- >> Innovation - We will encourage and reward innovation, especially breakthrough ideas.
- >> Integrity - We will conduct ourselves professionally and ethically.





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Experience the unbeatable flexibility and durability of Sunflex hoses, where innovation meets reliability to redefine your fluid solutions!

**ONE STOP SOLUTION PROVIDER**  
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**"SUNFLEX"**  
**Industrial Hose**



## **AH300 (FROM SIZE 1/4" TO 1")** **AIR/WATER HOSE 300 PSI**

A General Purpose Air Hose Engineered For Medium To Heavy Duty Application. It's Strong Yet Flexible Construction Guarantees A Long Life And Easy Handling

**Temperature Range** : -10°C (+14°F) to +80°C (+176°F)  
**Tube** : Black, Smooth, TPR Material, Oil Mist Resistant  
**Reinforcement** : High Strength Synthetic Cord  
**Cover** : Yellow/Black, Smooth TPR Material, Weather And Abrasion Resistant  
**Coils** : 100mt (330ft) Continuous Length; Other Length Available On Request  
**Branding** : 'SUNFLEX AH300 AIR/WATER HOSE WPSI 300'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
AH300-0025	06	1/4	13	33/64	20	300	60	900	48	0.15	0.11
AH300-0031	08	5/16	15	19/32	20	300	60	900	64	0.18	0.12
AH300-0038	10	3/8	18	45/64	20	300	60	900	80	0.21	0.14
AH300-0050	12	1/2	21	53/64	20	300	60	900	104	0.22	0.16
AH300-0063	15	5/8	24	15/16	20	300	60	900	128	0.27	0.18
AH300-0075	19	3/4	29	1-19/64	20	300	60	900	152	0.44	0.30
AH300-0100	25	1	36	1-22/64	20	300	60	900	200	0.53	0.35

Other size, pressure ratings and colours available on request



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## AH300 (FROM SIZE 1-1/4" TO 4") AIR/WATER HOSE 300 PSI

A General Purpose Air Hose Engineered For Medium To Heavy Duty Application. It's Strong Yet Flexible Construction Guarantees A Long Life And Easy Handling

**Temperature Range** : -40°C (+40°F) to +85°C (+185°F)

**Tube** : Black, Smooth, Synthetic Rubber, Oil Mist Resistant

**Reinforcement** : High Strength Synthetic Cord

**Cover** : Yellow/Black, Smooth (Wrapped Finish) Long Lasting Synthetic Rubber, Weather And Abrasion Resistant

**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request

**Branding** : 'SUNFLEX AH300 AIR/WATER HOSE WPSI 300'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
AH300-0125	32	1-1/4	44	1-3/4	20	300	60	900	320	0.85	0.58
AH300-0150	38	1-1/2	52	2	20	300	60	900	380	1.30	0.80
AH300-0200	51	2	66	2-23/32	20	300	60	900	510	1.52	1.04
AH300-0250	63	2-1/2	79	3-7/32	20	300	60	900	630	2.26	1.56
AH300-0300	76	3	94	3-25/32	20	300	60	900	760	2.22	1.52
AH300-0400	102	4	121	4-13/16	20	300	60	900	1020	4.00	2.74

Other size, pressure ratings and colours available on request



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**Industrial Hose**



## AH600

### AIR/WATER HOSE 600 PSI

Designed For The Most Severe Working Conditions In Mining, Quarries, Industrial And Construction Service. This Mandrel Built Hose Has A High Margin Safety And Gives A Long And Trouble-Free Service Under The Most Arduous Working Conditions.

**Temperature Range** : -40°C (+40°F) to +100°C (+212°F)  
**Tube** : Black, Smooth, Synthetic Rubber, Oil Mist Resistant  
**Reinforcement** : Piles Of Steel Wire Cord  
**Cover** : Yellow/Black, Smooth (Wrapped Finish) Long Lasting Synthetic Rubber, Weather And Abrasion Resistant  
**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request  
**Branding** : 'SUNFLEX AH600 HEAVY DUTY AIR HOSE WPSI 600'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
AH600-0050	13	1/2	24	15/16	40	600	210	3150	130	0.51	0.34
AH600-0075	19	3/4	31	1-7/32	40	600	160	2400	133	0.74	0.50
AH600-0100	25	1	38	1-11/16	40	600	160	2400	175	0.91	0.65
AH600-0125	32	1-1/4	45	1-57/64	40	600	160	2400	224	1.51	1.04
AH600-0150	38	1-1/2	56	2-7/32	40	600	160	2400	266	1.93	1.30
AH600-0200	51	2	69	2-11/16	40	600	160	2400	357	2.40	1.65
AH600-0250	63.5	2-1/2	81	3-1/8	40	600	160	2400	441	2.90	2.00
AH600-0300	76	3	95	3-7/8	40	600	160	2400	532	4.68	3.21
AH600-0400	102	4	120	5	40	600	160	2400	714	7.34	5.04
AH600-0600	152.4	6	175	6-7/8	40	600	120	1800	1215	10.30	6.98

Other size, pressure ratings and colours available on request



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**Industrial Hose**



## CONTRACTOR HOSE

For Water Suction And Delivery, In Agricultural Industrial And Construction.

- Temperature Range** : -35°C (-31°F) to +70°C (+158°F)  
**Tube** : Black, Natural And Synthetic Rubber  
**Reinforcement** : High Tensile Synthetic Textile Fabric, Steel Wire Helix Embedded Between The Layers  
**Cover** : Black, Abrasion, Weather And Ozone Resistant, Synthetic Rubber - Corrugated With Cuffed Ends (230mm)  
**Branding** : 'SUNFLEX CONTRACTOR HOSE WPSI 150'

Part Number	I.D.		O.D.		Cuff End Length	Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch		bar	psi	bar	psi		kg/m	lbs/ft
CONTRACTOR-0300	76.2	3	88.0	3-15/32	95	10	150	30	450	300	2.710	1.818
CONTRACTOR-0400	101.6	4	114.0	4-31/64	123	10	150	30	450	500	3.815	2.559
CONTRACTOR-0600	152.4	6	167.0	6-37/64	176	10	150	30	450	950	7.255	4.866
CONTRACTOR-0800	203.0	8	224.0	8-13/16	240	10	150	30	450	1200	12.575	8.434
CONTRACTOR-1000	254.0	10	279.0	10-63/64	294	10	150	30	450	1500	18.755	12.579

Other size, pressure ratings and colours available on request



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**Industrial Hose**



## **WSD150**

### **WATER SUCTION/DISCHARGE HOSE 150 PSI**

Mandrel Built Heavy Water Suction & Discharge Hose, It Handles Sewage. Waste Water, Mud etc.

**Temperature Range** : -40°C (-40°F) to +85°C (+185°F)  
**Tube** : Black, Smooth, Synthetic Rubber Resistant To Water With pH Value 5 To 8  
**Reinforcement** : High Strength Synthetic Cord Plus Helix Wire  
**Cover** : Black, Smooth (Wrapped Finish) Synthetic Rubber, Abrasion And Weathering Resistant  
**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request  
**Branding** : 'SUNFLEX WSD 150 WATER SUCTION/DELIVERY HOSE WPSI 150'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
WSD150-0125	32	1-1/4	43	1-21/32	10	150	30	450	256	0.97	0.67
WSD150-0150	38	1-1/2	50	1-15/16	10	150	30	450	304	1.27	0.87
WSD150-0200	51	2	63	2-15/32	10	150	30	450	408	1.72	1.18
WSD150-0250	63	2-1/2	77	3-1/32	10	150	30	450	508	2.37	1.63
WSD150-0300	76	3	89	3-1/2	10	150	30	450	608	2.79	1.91
WSD150-0338	86	3-3/8	99	3-29/32	10	150	30	450	456	3.80	2.60
WSD150-0350	90	3-1/2	103	4-1/32	10	150	30	450	540	3.86	2.65
WSD150-0400	102	4	118	4-9/16	10	150	30	450	816	4.33	2.98
WSD150-0450	115	4-1/2	132	5-13/64	10	150	30	450	910	5.20	3.58
WSD150-0500	127	5	144	5-5/8	10	150	30	450	1010	7.23	4.97
WSD150-0600	152	6	171	6-3/4	10	150	30	450	1216	10.18	7.00
WSD150-0800	203	8	227	8-15/16	10	150	30	450	1624	14.80	9.94
WSD150-1000	254	10	280	11-1/8	10	150	30	450	2035	16.34	10.98
WSD150-1200	305	12	336	13-15/64	10	150	30	450	2600	24.63	16.55

Other size, pressure ratings and colours available on request

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**Industrial Hose**



## **CDH150**

### **CEMENT DELIVERY HOSE 150 PSI**

Bulk Materials Handling Hose, Used To Convey Cement, Sand Gravel, Silica And Other Abrasive Materials. It Is Manufactured With Anti-Static Rubber, Granting A Complete Discharge Of Static Electricity.

- Temperature Range** : -40°C (-40°F) to +85°C (+185°F)
- Tube** : Black, Smooth , Compounded For Long Wear Resistance In Handling Hard, Sharp, Abrasive Material; It Is Anti-Static
- Reinforcement** : High Strength Synthetic Cord
- Cover** : Black, Smooth (Wrapped Finish) Abrasion And Resistant Synthetic Rubber; It Is Anti-static
- Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request
- Branding** : 'SUNFLEX CDH 150 BULK MATERIAL DELIVERY HOSE WPSI 150'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
CDH150-0300	76	3	95	3-47/64	10	150	30	450	760	3.45	2.36
CDH150-0400	102	4	122	4-13/16	10	150	30	450	1020	4.56	3.12
CDH150-0500	127	5	149	5-7/8	10	150	30	450	1270	6.01	4.12

Other size, pressure ratings and colours available on request



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## **BT600**

### **GROUTING HOSE 600 PSI**

Mandrel Built Rubber Hose Engineered For The Spraying Of Plaster, Grout, Gypsum And Concrete With A Heavy Construction Which Resists Kinking.

**Temperature Range** : -40°C (-40°F) to +85°C (+185°F)

**Tube** : Black, Smooth, Specially Compounded For Superior Resistance To Abrasion

**Reinforcement** : High Strength Synthetic Cord

**Cover** : Black, Smooth (Wrapped Finish) Abrasion, Weather And Ozone Resistant Synthetic Rubber

**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request

**Branding** : 'SUNFLEX BT600 GROUTING HOSE WPSI 600'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
BT600-0125	32	1-1/4	46	1-13/16	40	600	120	1800	320	1.10	0.75
BT600-0150	38	1-1/2	54	2-1/8	40	600	120	1800	380	1.50	1.03
BT600-0200	51	2	68	2-11/16	40	600	120	1800	508	2.20	1.51
BT600-0250	63	2-1/2	83	3-1/4	40	600	120	1800	630	3.26	2.23
BT600-0300	76	3	98	3-7/8	40	600	120	1800	762	3.71	2.54
BT600-0400	102	4	130	5-1/8	40	600	120	1800	1016	6.88	4.71

Other size, pressure ratings and colours available on request

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**Industrial Hose**



## **CSD150**

### **CEMENT SUCTION HOSE 150 PSI**

Dry Material Suction And Delivery Hose Specially Designed For Transfer Of Dry Cement, Sand, Gravel, Feed, Seeds etc By Suction, Gravity Or By Pneumatic Systems.

**Temperature Range** : -40°C (-40°F) to +85°C (+185°F)

**Tube** : Black, Smooth , Compounded For Long Wear Resistance In Handling Hard, Sharp, Abrasive Material; It Is Anti-Static

**Reinforcement** : High Strength Synthetic Cord Plus Helix Wire

**Cover** : Black, Smooth (Wrapped Finish) Synthetic Rubber, Weather, Ozone And Wear Resistant

**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request

**Branding** : 'SUNFLEX CSD 150 BULK MATERIAL SUCTION/DELIVERY HOSE WPSI 150'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
CSD150-0300	76	3	98	3-55/64	10	150	30	450	456	2.90	1.92
CSD150-0400	102	4	124	4-7/8	10	150	30	450	612	4.67	3.11
CSD150-0500	127	5	152	5-63/64	10	150	30	450	762	5.80	3.90
CSD150-0600	152	6	174	6-27/32	10	150	30	450	900	10.10	6.25

*Other size, pressure ratings and colours available on request*



**ONE STOP SOLUTION PROVIDER**  
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**Industrial Hose**



## UHMWPE250 CHEMICAL SUCTION/DELIVERY HOSE 250 PSI

UHMWPE Chemical Suction/Delivery Hose, Special Designed With Ultra High Molecular Weight Polyethylene Lining, Excellent In Handling A Wide Range Of Chemicals Petroleum Products and Oils.

**Temperature Range** : -40°C (-40°F) to +80°C (+176°F)  
**Tube** : White, Smooth, UHMW-PE Lining (Meets F.D.A. Requirement)  
**Reinforcement** : High Strength Synthetic Cord And Helix Wire  
**Cover** : Blue, Smooth (Wrapped Finish) EPDM Rubber, Resistant To Weathering And Ozone  
**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request  
**Branding** : 'SUNFLEX UHMWPE250 CHEMICAL SUCTION/DELIVERY HOSE WPSI 250'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
UHMWPE250-0075	19.1	3/4	31	1 2/9	17	250	51	750	85	0.76	0.51
UHMWPE250-0100	25.4	1	37	1 1/2	17	250	51	750	115	0.92	0.62
UHMWPE250-0125	31.8	1 1/4	44	1 3/4	17	250	51	750	145	1.19	0.80
UHMWPE250-0150	38.1	1 1/2	52	2	17	250	51	750	170	1.59	1.07
UHMWPE250-0200	50.8	2	67	2 2/3	17	250	51	750	230	2.48	1.67
UHMWPE250-0250	63.5	2 1/2	80	3 1/7	17	250	51	750	285	2.99	2.01
UHMWPE250-0300	76.2	3	92	3 5/8	17	250	51	750	345	3.59	2.41
UHMWPE250-0350	88.9	3 1/2	105	4 1/7	17	250	51	750	400	4.14	2.78
UHMWPE250-0400	101.6	4	122	4 4/5	17	250	51	750	455	6.03	4.05

Other size, pressure ratings and colours available on request

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**Industrial Hose**



## XLPE 150 CHEMICAL SUCTION/ DISCHARGE HOSE 150 PSI



**Madrel Built Rubber Hose Which, Thanks To Its Specially Compounded Cross-linked Polyethylene Tube, Handles A Wide Range Of Chemicals, Petroleum Products (Including Aromatics) And Oils.**

Temperature Range : -40°C (-40°F) to +80°C (+176°F)

Tube : Translucent, Smooth, Cross-linked Polyethylene

Reinforcement : High Strength Synthetic Cord Plus Helix Wire; Anti-static Copper Wires Embedded On The Hose Body

Cover : Green, Smooth (Wrapped Finish) EPDM Rubber, Specially Compounded For Higher Resistance To Weather, Ozone And Abrasion

Coils : 61mt (200ft) Continuous Length; Other Length Available On Request

Branding : 'SUNFLEX XLPE 150 MULTI-PURPOSE CHEMICAL HOSE WPSI 150'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
XLPE150-0100	25	1	41	1-39/64	10	150	40	600	200	1.05	0.68
XLPE150-0125	32	1-1/4	48	1-57/64	10	150	40	600	256	1.35	0.91
XLPE150-0150	38	1-1/2	54	2-1/8	10	150	40	600	304	1.56	1.04
XLPE150-0200	51	2	67	2-41/64	10	150	40	600	408	2.08	1.40
XLPE150-0250	63	2-1/2	81	3-3/16	10	150	40	600	504	2.52	1.78
XLPE150-0300	76	3	95	3-13/16	10	150	40	600	608	3.61	2.39
XLPE150-0400	102	4	120	4-23/32	10	150	40	600	816	4.98	3.26

## XLPE 250 CHEMICAL SUCTION / DISCHARGE HOSE 250 PSI



**Chemical Suction And Delivery Hose With Cross-linked Polyethylene Lining For Transfer Of Wide Range Of Chemicals, Suitable For Tank Truck And Storage Tank Application.**

Temperature Range : -20°C (-4°F) to +80°C (+176°F)

Tube : XLPE, Smooth Resistant To Wide Range Of Chemicals

Reinforcement : High Tensile Textile Cord, Steel Helix, Anti-static Wire

Cover : Weather, Ozone And Abrasion Resistant Synthetic Elastomer Compound, Green Cover

Coils : 61mt (200ft) Continuous Length; Other Length Available On Request

Branding : 'SUNFLEX XLPE 250 MULTI-PURPOSE CHEMICAL HOSE WPSI 250'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m
XLPE250-0200	51	2	68	2-11/16	17	250	68	1000	408	2.31

Other size, pressure ratings and colours available on request



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**Industrial Hose**



## SH250 STEAM HOSE 250 PSI

Mandrel Built High Pressure Wire Reinforced Steam Hose Designed For Service With Superheated Steam In Heat Control, Fire Prevention etc. In Many Industries At Max Pressure 18 atm (250 PSI).

- Temperature Range** : -40°C (-40°F) to +220°C (+430°F) ; intermittent to +232°C (+450°F)
- Tube** : Black, Smooth, EPDM Rubber Specially Compounded To Withstand Super Heated Steam
- Reinforcement** : Plies Of Steel Wire Cord
- Cover** : Red, Smooth (Wrapped Finish) EPDM Rubber With Excellent Resistance To High Temperature Weathering, Abrasion And Ageing. It Is Pin-Pricked to Prevent Separation.
- Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request
- Branding** : 'SUNFLEX SH250 STEAM HOSE WPSI 250 TEMP 220°C INTERMITTENT TO 232°C EXCEEDS BS 5342 TYPE 2'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
SH250-0050	13	1/2	25	1	17	250	170	2500	91	0.53	0.36
SH250-0075	19	3/4	32	1-7/32	17	250	170	2500	133	0.69	0.46
SH250-0100	25	1	39	1-29/64	17	250	170	2500	175	0.9	0.62
SH250-0125	32	1-1/4	46	1-13/16	17	250	170	2500	224	1.30	0.87
SH250-0150	38	1-1/2	54	2-1/8	17	250	170	2500	266	1.60	1.10
SH250-0200	51	2	67	2-41/64	17	250	170	2500	357	2.20	1.51
SH250-0250	63	2-1/2	83	3-5/16	17	250	170	2500	445	3.80	2.61
SH250-0300	76	3	95	3-13/16	17	250	170	2500	532	4.66	3.20
SH250-0400	102	4	124	4-7/8	17	250	170	2500	714	6.50	4.46

Other size, pressure ratings and colours available on request

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**Industrial Hose**



## RH150 RADIATOR/HOT WATER HOSE 150 PSI

Mandrel Built Rubber Hot Water Hose Suitable For Many Applications In Industry, Cleaning Equipment And Cooling Systems.

**Temperature Range** : -40°C (-40°F) to +120°C (+248°F)

**Tube** : Black, Smooth, Heat Resistant Rubber Compound

**Reinforcement** : High Strength Synthetic Cord

**Cover** : Black, Smooth (Wrapped Finish) Rubber Compound Resistant To Heat, Weather And Abrasion

**Coils** : 3ft Per Length

**Branding** : 'SUNFLEX RH150 RADIATOR/HOT WATER HOSE WPSI 150/120°C '

Part Number	Size	ID/OD (mm)	Pressure (Bars)		Weight (kg/m)
	Inch		Working Max.	Bursting Min.	
RH150-0050	1/2	13X23	10	30	0.424
RH150-0063	5/8	16X26	10	30	0.480
RH150-0075	3/4	19X30	10	30	0.629
RH150-0088	7/8	22X33	10	30	0.706
RH150-0100	1	25X36	10	30	0.714
RH150-0113	1-1/8	28X39	10	30	0.811
RH150-0119	1-3/16	30X41	10	30	0.858
RH150-0125	1-1/4	32X43	10	30	0.907
RH150-0138	1-3/8	35X46	10	30	0.980
RH150-0150	1-1/2	38X49	10	30	1.075
RH150-0156	1-9/16	40X51	10	30	1.125
RH150-0163	1-5/8	42X52	10	30	0.995
RH150-0175	1-3/4	45X56	10	30	1.278
RH150-0188	1-7/8	48X60	10	30	1.450
RH150-0200	2	51X64	10	30	1.700
RH150-0213	2-1/8	55X68	10	30	1.761
RH150-0225	2-1/4	57X70	10	30	1.818
RH150-0238	2-3/8	60X73	10	30	1.938
RH150-0250	2-1/2	64X77	10	30	2.147
RH150-0256	2-9/16	65X79	10	30	2.193
RH150-0263	2-5/8	68X81	10	30	2.207
RH150-0275	2-3/4	70X84	10	30	2.345
RH150-0288	2-7/8	73X87	10	30	2.475
RH150-0300	3	76X89	10	30	2.369
RH150-0313	3-1/8	80X94	10	30	2.691
RH150-0325	3-1/4	82X96	10	30	2.769
RH150-0338	3-3/8	85X99	10	30	2.790
RH150-0350	3-1/2	90X104	10	30	2.951
RH150-0375	3-3/4	95X109	10	30	3.153
RH150-0400	4	102X117	10	30	3.517
RH150-0450	4-1/2	114X129	10	30	3.860
RH150-0500	5	127X141	10	30	3.907
RH150-0550	5-1/2	140X156	10	30	5.144
RH150-0600	6	152X172	10	30	6.990
RH150-0663	6-5/8	168X187	10	30	7.242
RH150-0700	7	180X198	10	30	7.266
RH150-0800	8	203X224	10	30	9.235
RH150-0863	8-5/8	219X240	10	30	10.425
RH150-0963	9-5/8	245X266	10	30	11.725
RH150-1000	10	254X275	10	30	12.136
RH150-1013	10-1/8	257X278	10	30	12.273
RH150-1075	10-3/4	273X294	10	30	12.191
RH150-1163	11-5/8	298X319	10	30	13.265
RH150-1200	12	305X326	10	30	13.280
RH150-1319	13-3/16	336X357	10	30	14.900
RH150-1400	14	356X378	10	30	16.850
RH150-1456	14-9/16	370X394	10	30	19.145
RH150-1519	15-3/16	386X410	10	30	19.551
RH150-1600	16	407X430	10	30	20.968
RH150-1775	17-3/4	450X474	10	30	23.152

Other size, pressure ratings and colours available on request



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**Industrial Hose**



## **MSD300**

### **MULTI SUCTION/DISCHARGE HOSE 300 PSI**

Heavy Duty Suction And Delivery Hose, Excellent For Use As A Tank Truck Or Tank Wagon Hose. It Withstands The Full Vacuum. Its Anti-static Cover Conforms Fully To PTB Specifications, Used For A Wide Range Of Petroleum Products Up To 50% Aromatic Content.

**Temperature Range** : -40°C (-40°F) to +100°C (+212°F)

**Tube** : Black, Smooth , Nitrile Rubber Compounded

**Reinforcement** : High Strength Synthetic Cord Plus Helix Wire And Anti-static Copper Wire

**Cover** : Black, Smooth (Wrapped Finish) High Grade Chloroprene Rubber, Compounded For An Excellent Resistance To Weather, Ozone, Abrasion And Oil Resistant; Anti-static

**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request

**Branding** : 'SUNFLEX MSD300 HEAVY DUTY OIL/WATER SUCTION DELIVERY HOSE WPSI 300'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
MSD300-0200	51	2	65	2-9/16	20	300	60	900	250	1.98	1.32
MSD300-0250	64	2-1/2	79	3-7/64	20	300	60	900	330	2.62	1.75
MSD300-0300	76	3	93	3-21/32	20	300	60	900	420	3.40	2.28
MSD300-0400	102	4	120	4-47/64	20	300	60	900	600	4.91	3.29
MSD300-0500	127	5	149	5-7/8	20	300	60	900	750	7.15	4.79
MSD300-0600	152	6	174	6-55/64	20	300	60	900	950	9.25	6.20
MSD300-0800	203	8	230	9-1/16	20	300	60	900	1500	14.79	9.92
MSD300-1000	254	10	288	11-19/64	20	300	60	900	1750	21.44	14.38
MSD300-1200	306	12	343	13-1/2	20	300	60	900	2400	29.06	19.49

Other size, pressure ratings and colours available on request

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**Industrial Hose**



## **MSH300**

### **MULTISERVIZ HOSE 300 PSI**

A Lightweight Heavy Duty Multi Purpose Hose Which Is Suitable For:-

- Public Works** : Air Hoses For Compressors And Pneumatic Hammers.
- Car Industry** : Pneumatic Hose Assemblies In Compressed Air Tubes.
- Agriculture** : Low To Medium Pressure Chemical Spraying (20 Bars).
- Hydraulic Equipment** : Low To Medium Pressure Hose Assemblies For Flowback Of Lubrication Oils (20 Bars).
- Fluid Transport** : Air, Water Oils, Petroleum, Heavy Water And Salt Solution Where 'Push-on' Reusable Type Fittings Are Desired For Fast And Easy Installation

- Temperature Range** : -40°C (-40°F) to +85°C (+185°F)
- Tube** : Black, Smooth, Oil And Chemicals Resistant TPR Material
- Reinforcement** : High Strength Polyester Braid
- Cover** : Red, Smooth Oil, Weather And Abrasion Resistant TPR Material
- Coils** : 100mt (330ft) Continuous Length; Other Length Available On Request
- Branding** : 'SUNFLEX MSH300 PREMIUM MULTI-PURPOSE HOSE WPSI 300'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	kg/m	lbs/ft
MSH300-0025	06	1/4	13	33/64	20	300	60	900	0.15	0.10
MSH300-0031	08	5/16	15	19/32	20	300	60	900	0.18	0.12
MSH300-0038	10	3/8	18	45/64	20	300	60	900	0.21	0.14
MSH300-0050	13	1/2	21	53/64	20	300	60	900	0.24	1.16
MSH300-0063	16	5/8	24	15/16	20	300	60	900	0.27	0.18
MSH300-0075	19	3/4	29	1-9/64	20	300	60	900	0.44	0.30
MSH300-0100	25	1	36	1-22/64	20	300	60	900	0.53	0.35
MSH300-0150	38	1-1/2	48	1-57/64	20	300	60	900	0.97	0.62

Other size, pressure ratings and colours available on request



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**Industrial Hose**



## DH300 HEAVY DUTY OIL SUCTION & DISCHARGE DOCK HOS

Sunflex D300 Is Designed For Loading And Unloading Of Petroleum Based Products Of Up to 50% Aromatic Content. Suitable For Bunkering Services Between Docks And Ships Under All Types Of Service Condition.

**Temperature Range** : -40°C (-40°F) to +100°C (+212°F)  
**Tube** : Black, Oil Resistance Nitrile Rubber, Smooth Bore  
**Reinforcement** : High Tensile Synthetic Cord Incorporating Wire Helix  
**Cover** : Black, Oil , Abrasion, Ozone And Weather Resistance Chloroprene Rubber With Orange Longitudinal Stripe  
**Pressure Rating** : Working Pressure - 300 PSI / Test Pressure - 450 PSI  
**Safety Factor** : Minimum 4:1  
**Marking** : **SUNFLEX DH300 SUNFLEX BUNKERING HOSE WP300PSI TP450PSI**  
**BS1435-S 15 EN1765:2004 S-15 Hose Assemblies Fully Conform to : BS 1435 1987 Type S15 / EN1765:2004S-15**

Part Number	Nominal Bore			Bending Radius	Swaged Fittings Weight	Hose Weight
	I.D.		O.D.			
	inch	mm	mm			
DH300-0400	4	102	126	850	9.2	6.35
DH300-0600	6	152	182	1000	17.4	11.13
DH300-0800	8	203	237	1500	28.4	16.32
DH300-1000	10	254	289	2000	42.0	21.64
DH300-1200	12	305	347	2500	46.0	30.94

Other size, pressure ratings and colours available on request

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**"SUNFLEX"**

**Industrial Hose**



## ODH150 OIL DELIVERY HOSE 150 PSI

Used For Delivery And Transfer Of A Wide Range Of Petroleum Products Up To 50% Aromatic Content And Up To Maximum Working Temperature +100°C (+212°F)

**Temperature Range** : -40°C (-40°F) to +100°C (+212°F)

**Tube** : Black, Smooth, Nitrile Rubber Compounded

**Reinforcement** : High Strength Synthetic Cord Plus Anti-Static Copper Wires

**Cover** : Red, Smooth (Wrapped Finish) High Grade Chloroprene Rubber, Compounded For An Excellent Resistance To Weather., Ozone, Abrasion And Oil.

**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request

**Branding** : 'SUNFLEX ODH150 OIL DELIVERY HOSE WPSI 150'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
ODH150-0100	25	1	36.5	1-13/32	10	150	30	450	250	0.82	0.56
ODH150-0125	32	1-1/4	46.0	1-47/94	10	150	30	450	320	1.20	0.82
ODH150-0138	35	1-3/8	48.0	1-57/64	10	150	30	450	350	1.29	0.88
ODH150-0150	38	1-1/2	52.0	2-3/64	10	150	30	450	380	1.38	0.95
ODH150-0163	42	1-5/8	53.0	2-3/32	10	150	30	450	250	1.50	1.00
ODH150-0175	45	1-3/4	60.0	2-23/64	10	150	30	450	450	1.69	1.16
ODH150-0200	51	2	64.0	2-1/2	10	150	30	450	510	1.78	1.22
ODH150-0225	57	2-1/4	70.0	2-49/64	10	150	30	450	530	1.96	1.34
ODH150-0238	60	2-3/8	73.0	2-55/64	10	150	30	450	600	2.06	1.41
ODH150-0250	63	2-1/2	78.0	2-59/64	10	150	30	450	630	2.32	1.59
ODH150-0300	76	3	90.0	3-1/2	10	150	30	450	760	2.75	1.88
ODH150-0350	90	3-1/2	108.0	4-1/4	10	150	30	450	900	3.45	2.36
ODH150-0400	102	4	120.0	4-21/32	10	150	30	450	1020	3.90	2.67
ODH150-0600	152	6	170.0	6-11/16	10	150	30	450	1524	5.05	3.39

Other size, pressure ratings and colours available on request

A special hose construction, low temperature resistant, is available on request



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**Industrial Hose**



## OSD150 OIL SUCTION/DISCHARGE HOSE 150 PSI

Tank Truck And Tank Wagon Suction And Delivery Hose. It Withstands The Full Vacuum, Used For A Wide Range Of Petroleum Products Up To 50% Aromatic Content.

- Temperature Range** : -40°C (-40°F) to +100°C (+212°F)  
**Tube** : Black, Smooth, Nitrile Compound  
**Reinforcement** : High Strength Synthetic Cord Plus Helix Wire And Anti-Static Copper Wire  
**Cover** : Black, Smooth (Wrapped Finish) High Grade Chloroprene Rubber, Compounded For An Excellent Resistance To Weather., Ozone, Abrasion And Oil.  
**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request  
**Branding** : 'SUNFLEX OSD 150 OIL SUCTION/DELIVERY HOSE WPSI 150'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
OSD150-0075	19	3/4	30	1-3/16	10	150	30	450	75	0.59	0.40
OSD150-0100	25	1	35	1-3/8	10	150	30	450	150	0.79	0.54
OSD150-0125	32	1-1/4	42	1-21/32	10	150	30	450	192	0.97	0.66
OSD150-0150	38	1-1/2	51	1-31/32	10	150	30	450	228	1.40	0.96
OSD150-0175	45	1-3/4	57	2-15/64	10	150	30	450	266	1.43	0.98
OSD150-0200	51	2	62	2-13/32	10	150	30	450	306	1.81	1.24
OSD150-0250	63	2-1/2	77	3-1/32	10	150	30	450	378	2.28	1.56
OSD150-0300	76	3	92	3-5/8	10	150	30	450	456	2.93	2.01
OSD150-0350	90	3-1/2	104	4-3/32	10	150	30	450	540	3.46	2.37
OSD150-0400	102	4	120	4-47/64	10	150	30	450	612	4.95	3.36
OSD150-0500	127	5	147	5-51/64	10	150	30	450	762	6.60	4.43
OSD150-0600	152	6	172	6-25/32	10	150	30	450	912	7.80	5.24
OSD150-0800	203	8	227	8-15/16	10	150	30	450	1650	9.00	6.05
OSD150-1000	254	10	282	11-7/64	10	150	30	450	2035	20.03	13.46
OSD150-1200	305	12	341	13-7/16	10	150	30	450	2600	28.50	19.15

Other size, pressure ratings and colours available on request

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## OSD250 OIL SUCTION/DISCHARGE HOSE 250 PSI

Heavy Duty Suction And Delivery Hose, Excellent For Use As A Tank Truck Or Tank Wagon Hose. It Withstands The Full Vacuum. Its Anti-Static Cover Conforms Fully To PTB Specifications. Used For A Wide Range Of Petroleum Products Up To 50% Aromatic Content

**Temperature Range** : -40°C (-40°F) to +100°C (+212°F)

**Tube** : Black, Smooth, Nitrile Compound

**Reinforcement** : High Strength Synthetic Cord Plus Helix Wire And Anti-Static Copper Wire

**Cover** : Black, Smooth (Wrapped Finish) High Grade Chloroprene Rubber, Compounded For An Excellent Resistance To Weather, Ozone, Abrasion And Oil.

**Coils** : 61mt (200ft) Continuous Length; Other Length Available On Request

**Branding** : 'SUNFLEX OSD 250 OIL SUCTION/DELIVERY HOSE WPSI 250'

Part Number	I.D.		O.D.		Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	mm	kg/m	lbs/ft
OSD250-0200	51	2	65	2-9/16	17	250	51	750	330	1.81	1.24
OSD250-0250	63	2-1/2	80	3-3/16	17	250	51	750	400	2.78	1.87
OSD250-0300	76	3	93	3-21/32	17	250	51	750	500	2.93	2.01
OSD250-0400	102	4	120	4-47/64	17	250	51	750	730	4.95	3.36
OSD250-0500	127	5	149	5-7/8	17	250	51	750	1010	6.60	4.43
OSD250-0600	152	6	174	6-55/64	17	250	51	750	900	7.80	5.24
OSD250-0800	203	8	227	8-15/16	17	250	51	750	1625	15.96	10.72
OSD250-1000	254	10	288	11-11/32	17	250	51	750	2035	22.28	14.97
OSD250-1200	305	12	343	13-1/2	17	250	51	750	2600	30.06	20.18

Other size, pressure ratings and colours available on request



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**Industrial Hose**



## OSD600 RIG SUPPLY FUEL/MUD SUCTION HOSE

For Discharge Of High Pressure Liquid Mud

<b>Temperature Range</b>	: -40°C to +100°C
<b>Tube</b>	: Black, Oil And Petrol Resistant Nitrile Rubber
<b>Reinforcement</b>	: High Tensile Synthetic Textile, Steel Wire Helix And Conductive Copper Wire
<b>Cover</b>	: Black, Abrasion, Ozone, Weather, Heat And Oil Resistant Special Synthetic Rubber
<b>Aromatics</b>	: Resistant To Maximum 50% Aromatic Content
<b>Coils</b>	: 61mt (200ft) Continuous Length; Other Length Available On Request
<b>Branding</b>	: 'SUNFLEX OSD600 RIG SUPPLY FUEL/MUD SUCTION HOSE WPSI 600 ISO 1307'

Part Number	Size	I.D.	O.D.	Working Pressure		Bursting Pressure (Theoretical)		Bending Radius	Hose Weight
	inch	mm	mm	bar	psi	bar	psi	mm	kg/m
OSD600-0300	3	76.2	101.8	40	600	120	1800	230	4.88
OSD600-0400	4	101.6	128.0	40	600	120	1800	400	6.48
OSD600-0500	5	127.0	160.0	40	600	120	1800	720	10.25

Other size, pressure ratings and colours available on request

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**Industrial Hose**



## **SSD150**

### **SUNFLEX SLURRY SUCTION AND DISCHARGE HOSE 150 PSI**

For Suction And Delivery Of Abrasive Slurry Materials

**Temperature Range** : -40°C (-40°F) to +85°C (+185°F)

**Tube** : 9mm Natural Rubber - Super Abrasive Resistant (S.A.R.)

**Reinforcement** : 4 Ply, High Tensile Synthetic Incorporation A Wire Helix

**Cover** : Black, Natural Rubber Super Abrasion Resistant (S.A.R.)

**Branding** : 'SUNFLEX SSD150 SUCTION/DELIVERY HOSE WPSI 150'

Part Number	Size	I.D.	O.D.	Working Pressure		Hose Weight
	inch	mm	mm	bar	psi	kg/m
SSD150-0600	6	152	184	10	150	12.12
SSD150-0800	8	203	235	10	150	17.94
SSD150-1000	10	254	286	10	150	25.42
SSD150-1200	12	305	344	10	150	29.70
SSD150-1400	14	355	405	10	150	42.50

Other size, pressure ratings and colours available on request



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**Industrial Hose**



## **SSD250**

### **SUNFLEX SLURRY SUCTION AND DISCHARGE HOSE 250 PSI**

For Suction And Delivery Of Abrasive Slurry Materials.

<b>Temperature Range</b>	: Suitable For Use In The Range -40°C to +85°C
<b>Tube</b>	: 9mm Natural Rubber - Super Abrasive Resistant (S.A.R.)
<b>Reinforcement</b>	: 6 Ply, High Tensile Synthetic Incorporation A Wire Helix
<b>Cover</b>	: Black, Natural Rubber Super Abrasion Resistant (S.A.R.)
<b>Coils</b>	: Available in 9.15m (30ft)
<b>Branding</b>	: 'SUNFLEX SSD250 SUCTION/DELIVERY HOSE WPSI 250'

Part Number	Size	I.D.	O.D.	Working Pressure		Bursting Pressure		Hose Weight
	inch	mm	mm	bar	psi	bar	psi	kg/m
SSD250-0600	6	152	178	17	250	51	750	10.5
SSD250-0800	8	203	232	17	250	51	750	14.8
SSD250-1000	10	254	288	17	250	51	750	21.7
SSD250-1200	12	305	344	17	250	51	750	29.7
SSD250-1400	14	355	405	17	250	51	750	42.5

Other size, pressure ratings and colours available on request

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**Industrial Hose**



## CRYOTEC 661 N (FROM SIZE 3/4" TO 12") LIQUID NITROGEN GAS (LNG) HANDLING HOSE 200 PSI EN 13766:2010 TYPE L



**CRYOTEC 661 N** hose is suitable for handling LNG Liquefied Natural Gas, Liquid Methane and liquid Nitrogen at -200°C.

### Construction

Multi-layers of polyamide fabrics and films, or polyester fabrics and films reinforcement, includes in the construction FEP extruded tubular and Mylar® films. SUNFLEX®CRYOTEC hoses are manufactured according to EN 13766:2010. Available in 40 mt coils from 3/4" to 8" and 25 mt length up to

**SUNFLEX®CRYOTEC** hoses for liquid gas transfer form an important part of the extensive range on non-metallic flexible hoses offered by the COMPOTEC® division of Matec group. The hoses are certified by DNV as complying the requirements of CE Directive 97/23 "PED" and are made to comply the requirements of EN13766; Paragraphs 5:4 and 5:7 of the IMO Gas Carrier Code, and 5:3 and 5:7 of the IMO Chemical Carrier Code. Meets EN, CE, PED, U.S. Coast Guard requirements, DNV Approved

Temperature Range	-200°C (-328°F) to +80°C (+176°F)		
Code	LN661ZZ	LN661ZX	LN661XX
Inner Wire	Galv. Steel	Galv. Steel	St. Steel
Outer Wire	Galv. Steel	St. Steel	St. Steel
Cover	White		

Size (I.D)		Working Pressure		Safety Factor	Bending Radius EN ISO 1746		Weight Kg/mt	Max. Length	
mm	inch	bar	psi	ratio	mm	inch	kg/mt	mt.	feet
20	3/4"	15	200	8:1	80	3"	0.8	40	132
25	1"	15	200	8:1	100	4"	1.0	40	132
32	1 1/4"	15	200	8:1	125	5"	1.3	40	132
40	1 1/2"	15	200	8:1	140	6"	1.5	40	132
50	2"	15	200	8:1	180	7"	2.5	40	132
65	2 1/2"	15	200	8:1	200	8"	3.3	40	132
75	3"	15	200	8:1	260	10"	4.0	40	132
100	4"	15	200	8:1	380	15"	6.8	40	132
150	6"	15	200	8:1	500	20"	13.2	40	132
200	8"	15	200	8:1	750	30"	18.0	40	132
250	10"	15	200	8:1	900	36"	26.0	25	82
300	12"	15	200	8:1	1500	60"	34.0	25	82

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**Industrial Hose**



## **OIL800 HD (FROM SIZE 3/4" TO 12")**

### **OIL HEAVY DUTY SUCTION & DISCHARGE HOSE 200 PSI**

### **EN 13765:2010 TYPE 3**



#### **Applications**

Heavy Duty construction for the transfer of a wide variety of hydro- carbon conveyant under suction or pressure. Used for black oils and heavier lubri- cating products, Ship to Shore and Ship to Ship, Dockside and in general for the most arduous Industrial and Marine applications. Commonly used for all hose loading arms in Bottom Loading operations, thanks to the special reinforcement for minimal elongation. Fully suitable for 100% aromatics & MTBE transfer

#### **Construction**

High strength polypropylene and polyester films and fabrics, high density polyethylene films reinforcement, includes in the construction an High Density UHMW PLT seamless tubular extruded film, to avoid any possible leak and guarantee a gas-tight construction, Polyvinyl coated polyester fabric cover, weather and ozone resistant Available in 40 mt coils from 3/4" to 8" and 25 mt length up to 12"

**SUNFLEX® OIL 800 HD** hose assemblies are certified by D N V as complying the requirements of CE Directive 97/23 "PED" and are manufactured in accordance with the requirements of Paragraphs 2:12 and 5:7 of the IMO Chemical Carrier Code. **SUNFLEX® OIL 800 HD** hoses are Type approved by Lloyd's with Certificate n° 13/0002

Temperature Range	-40°C (-40°F) to +100°C (+212°F)			
Code	OILHDZZ	OILHDZX	OILHDXZ	OILHDXX
Inner Wire	Galv. Steel	Galv. Steel	St. Steel	St. Steel
Outer Wire	Galv. Steel	St. Steel	Galv. Steel	St. Steel
Cover	Blue /Black			

Size (I.D)		Working Pressure		Safety Factor	Bending Radius EN ISO 1746		Weight Kg/mt	Max. Length	
mm	inch	bar	psi	ratio	mm	inch	kg/mt	mt.	feet
20	3/4"	15	200	5:1	75	3"	0.73	40	132
25	1"	15	200	5:1	100	4"	0.90	40	132
32	1 1/4"	15	200	5:1	125	5"	1.27	40	132
40	1 1/2"	15	200	5:1	140	5 1/2"	1.49	40	132
50	2"	15	200	5:1	180	7"	2.18	40	132
65	2 1/2"	15	200	5:1	220	8 1/2"	3.09	40	132
75	3"	15	200	5:1	280	11"	3.66	40	132
100	4"	15	200	5:1	400	16"	5.28	40	132
150	6"	15	200	5:1	525	23"	11.90	40	132
200	8"	15	200	5:1	800	32"	15.65	40	132
250	10"	15	200	5:1	1000	40"	22.53	25	82
300	12"	15	200	5:1	1200	48"	31.76	25	82



**ONE STOP SOLUTION PROVIDER**  
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**"SUNFLEX"**  
**Industrial Hose**



## CHEM 700 HD (FROM SIZE 3/4" TO 12") HEAVY DUTY CHEMICAL SUCTION & DISCHARGE HOSE 200 PSI EN 13765:2010 TYPE 3



### Applications

Heavy Duty construction for the transfer of a wide range of chemicals under suction or pressure. Used for Ship to Shore and Ship to Ship, Dockside and in general for the most arduous Industrial and Marine applications.

### Construction

High strength polypropylene and polyester films and fabrics, high density polyethylene films reinforcement, includes in the construction an high density UHMW PLT seamless tubular extruded film, to avoid any possible leak and guarantee a gas-tight construction, Poliviny (or ELASTOTHANE upon request) coated polyester cover fabric, weather and ozone resistant. Available in 40 mt coils from 3/4" to 8" and 25 mt length up to 12"

**SUNFLEX® CHEM 700 HD** hose assemblies are certified by D N V as com- plying the requirements of CE Directive 97/23 "PED" and are manufactured in accordance with the requirements of Par. 2:12 and 5:7 of the IMO Chemical Carrier Code. CHEM 700 HD hoses are Type approved by Lloyd's with Certificate n° 13/002.

Temperature Range	-40°C (-40°F) to +100°C (+212°F)			
Code	CHHDPZ	CHHDPX	CHHDXZ	CHHDXX
Inner Wire	PP Coated Steel	PP Coated Steel	St. Steel	St. Steel
Outer Wire	Galv. Steel	St. Steel	Galv. Steel	St. Steel
Cover	Green			

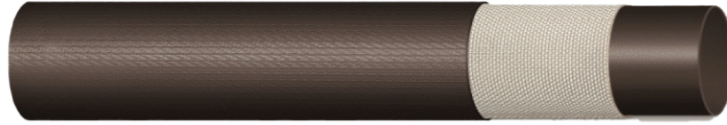
Size (I.D)		Working Pressure		Safety Factor	Bending Radius EN ISO 1746		Weight Kg/mt	Max. Length	
mm	inch	bar	psi	ratio	mm	inch	kg/mt	mt.	feet
20	3/4"	15	200	5:1	75	3"	0.63	40	132
25	1"	15	200	5:1	100	4"	0.77	40	132
32	1 1/4"	15	200	5:1	125	5"	1.05	40	132
40	1 1/2"	15	200	5:1	140	5 1/2"	1.33	40	132
50	2"	15	200	5:1	180	7"	2.04	40	132
65	2 1/2"	15	200	5:1	220	8 1/2"	2.75	40	132
75	3"	15	200	5:1	280	11"	3.15	40	132
100	4"	15	200	5:1	400	16"	4.74	40	132
150	6"	15	200	5:1	525	23"	10.00	40	132
200	8"	15	200	5:1	800	32"	12.85	40	132
250	10"	15	200	5:1	1000	40"	23.85	25	82
300	12"	15	200	5:1	1200	48"	31.69	25	82

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**Industrial Hose**



## OROFLEX 10



**Color :** Black

**Composition :** Synthetic Rubber And Polyester-Polyamide Textile

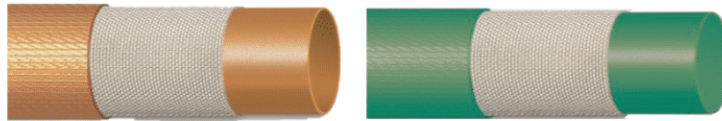
**Surface :** Ribbed For Maximum Abrasion Resistance

**Service :** -20°baC to +80°baC

**Standard Length :** 30 - 60m (Up To 200m To Order)

- ♦ Industrial Washdown
- ♦ Rink Flooding
- ♦ Flexible Pipeline
- ♦ Irrigation Supply
- ♦ Water Bypass Systems
- ♦ Submersible And Portable Pump Discharge
- ♦ Cable Cover
- ♦ Light Weight Sludge Supply
- ♦ Chemical Solution Transfer

## OROFLEX 20



**Color :** Yellow/Green

**Composition :** Synthetic Rubber And Polyester-Polyamide Textile

**Surface :** Fine Ribbed, Highly Resistant To Abrasion

**Service :** > From -20°C to +80°C

**Standard Length :** 60m (Up To 200m To Order)

- ♦ Contractor Air Hose
- ♦ High Pressure Pump Discharge
- ♦ Drilling Machine Compressor Hose
- ♦ Heavy Duty Dredge Discharge
- ♦ All Oroflex-10 Applications Requiring A Heavier,  
Higher Pressure Hose
- ♦ Bulk Powder Discharge



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Mining Hose



## Mining Hose

Size range from 4" up to 36" in diameter and continuous length up to 10 meters, we specialise in corrugated exterior hoses to give maximum flexibility.

We custom-built our hose assemblies to meet our customers' unique application requirements

<b>Temperature Range</b>	: -40°C (-40°F) to +80°C (+185°F)
<b>Tube</b>	: Black, Smooth, synthetic rubber resistant to water with pH value 4
<b>Reinforcement</b>	: High Strength Synthetic Cord
<b>Cover</b>	: Black, smooth ( wrapped finish) synthetic rubber, abrasion and weathering resistant
<b>Branding</b>	: 'SUNFLEX MINING HOSE SOLUTION'



Other size, pressure ratings and colours available on request



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Dewatering Hose



SUNFLEX DEWATERING  
SOLUTION

## DEWATERING HOSE

Size range from 4" up to 36" in diameter and continuous length up to 10 meters, we specialise in corrugated exterior hoses to give maximum flexibility.

We custom-built our hose assemblies to meet our customers' unique application requirements

<b>Temperature Range</b>	: -40°C (-40°F) to +80°C (+185°F)
<b>Tube</b>	: Black, Smooth, synthetic rubber resistant to water with pH value 4
<b>Reinforcement</b>	: High Strength Synthetic Cord
<b>Cover</b>	: Black, smooth ( wrapped finish) synthetic rubber, abrasion and weathering resistant
<b>Branding</b>	: 'SUNFLEX DEWATERING SOLUTION'



Other size, pressure ratings and colours available on request

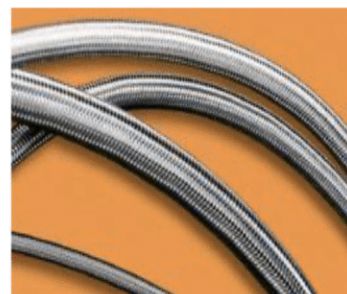
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"SUNFLEX"**

**Hydraulic Hose**



## TEFLON (PTFE) HOSES - WITH ONE S/S WIRE BRAIDED COVER

The PTFE hose core is manufactured from Teflon. No pigments or additives are incorporated thus giving the hose liner a translucent appearance free from any contamination. The wire braiding (1 or 2 wire available) is produced from AISI 304/S15 or BS970 1970 quality hard drawn tensile stainless steel wire.



PTFE hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistant, non contamination properties, low coefficient of friction and resists deterioration.

The standard wall products are not recommended for steam-cold water cycling. We recommend the Heavy Wall range for the most demanding applications including intense thermal cycling

### Temperature Range

\* **Continuous: -60 C to +205 C**

\* **Intermittent: max. +220 C**

Part Number	Size	Internal Diameter	Wall Thickness	Outside Diameter	Min. Bend Radius	Maximum Working Pressure		Minimum Bursting Pressure		Hose Weight
		mm	mm	mm	mm	bar	psi	bar	psi	kg/m
TWK-03	1/8"	3.00	1.00	6.20	40	225	3,260	900	13,040	0.060
TWK-04	3/16"	5.00	0.70	7.60	50	190	2,750	760	11,000	0.069
TWK-05	1/4"	6.00	0.70	8.80	75	180	2,610	720	10,440	0.087
TWK-06	5/16"	8.00	0.70	11.00	100	175	2,540	700	10,160	0.127
TWK-07	3/8"	9.50	0.70	12.10	125	165	2,390	660	9,560	0.145
TWK-08	13/32"	10.30	0.70	13.70	135	140	2,030	560	8,120	0.158
TWK-10	1/2"	12.50	0.75	16.20	165	120	1,740	480	6,960	0.212
TWK-12	5/8"	16.00	0.90	18.80	200	88	1,270	352	5,080	0.260
TWK-14	3/4"	19.00	0.90	23.10	230	70	1,010	280	4,040	0.321
TWK-16	7/8"	22.20	1.00	26.20	230	60	870	240	3,480	0.355
TWK-18	1"	25.00	1.20	29.20	300	60	870	240	3,480	0.450
TWK-20	1-1/8"	29.00	1.25	33.10	410	44	630	176	2,520	0.525

Available in HD Series:

Part Number	Size	Internal Diameter	Wall Thickness	Outside Diameter	Min. Bend Radius	Maximum Working Pressure		Minimum Bursting Pressure		Hose Weight
		mm	mm	mm	mm	bar	psi	bar	psi	kg/m
TWK-14-HD	3/4"	19.0	1.10	23.5	300	70	1,000	280	4,000	0.412
TWK-18-HD	1"	25.5	1.25	30.0	350	60	870	240	3,480	0.505

\*\* Temperature Range: Continuous: -54°C to +260°C

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**Hydraulic Hose**



## **SUNFLEX 352 VERY HIGH PRESSURE HOSE WP 10000PSI**

<b>APPLICATION</b>	: Very High Pressure Hydraulic Lines 520 To 700 Bar. Compact, High Pressure, Light Weight, High Abrasion Resistance And Low Change In Length. For Use With Petroleum, Synthetic Or Water Based Fluids In Hydraulic Systems. Mainly Used For Rescue, Safety Equipment, Bolt Tensioning Tools And Jacking & Re-Railing Equipments. Also, Suitable For Earthmoving And Material Handling Equipments.
<b>CORE</b>	: Thermoplastic Elastomer
<b>REINFORCEMENT</b>	: Double Braids Of Aramid Fibre With Single Steel Wire Braid
<b>COVER</b>	: Orange Color Polyurethane. Available Twin And Multi Lines With Different Hose Combination And Size
<b>TEMPERATURE RANGE</b>	: -40°C to +100°C. Temperature Not Exceed +70°C For Air And Water Based Fluids

Part Number	Nominal Inside Diameter		Nominal Outside Diameter		Working Pressure		Bursting Pressure		Minimum Bending Radius		Hose Weight
	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/mt
352-04-SF	1/4	6.4	0.540	13.7	10,000	700	40,000	2800	2.8	70	242
352-06-SF	3/8	9.6	0.740	18.8	10,000	700	40,000	2800	4.0	100	387
352-08-SF	1/2	12.7	0.875	22.2	10,000	700	30,000	2080	7.0	180	514



## **SUNFLEX SAE 100R7 THERMOPLASTIC HOSE BS4983: 1973 DIN 24951 pt 2 ISO3945**



### **Sunflex Thermoplastic Hose - SAE 100R7**

An all-purpose medium pressure hose suitable for many hydraulic and pneumatic systems. Compatible with hydraulic oils, grease, fuel oils, mineral oils and most phosphate esters. For water and water-based hydraulic fluids, temperature is limited to 70°C.

This hose is also suitable for many industrial gases, e.g. Heliox (max.25% O<sub>2</sub>), Argon, Nitrogen, Carbon Dioxide, Helium and Air. Refer to BS6596 for recommended factors of safety. SAE 100R7 has a pin-pricked cover.

#### **Performance**

- Min/Max continuous service temperature range -40°C to 100°C (water and water-based fluids limited to 70°C)
- Low ID to OD ratios, slim and lightweight
- First-rate stability - change in length better than +/- 3%
- Excellent flexibility and flex fatigue resistance throughout temperature range

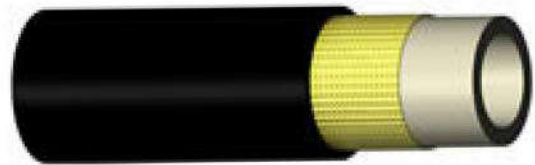
#### **Applications**

- General Hydraulics
- Mechanical Handling
- Construction Equipment
- Gas Applications
- Machine Tools

#### **Construction**

Comprises of an unplasticised polyester elastomer tube reinforced with a single braid of polyester fibre, and a black polyurethane outer cover.

## **SUNFLEX SAE 100R8 THERMOPLASTIC HOSE BS4983 TYPE 2 ISO 3945**



### **Sunflex Thermoplastic Hose - SAE 100R8**

An all-purpose high pressure hose meeting SAE 100R8 working pressure standards and benefiting from the increased flexibility of SAE 100R7 dimensions. Suitable for many hydraulic and pneumatic systems, compatible with hydraulic oils, grease, fuel oils, mineral oils and most phosphate esters. For water and water-based hydraulic fluids, temperature is limited to 70°C. This hose is also suitable for many industrial gases, e.g. Heliox (max.25% O<sub>2</sub>), Argon, Nitrogen, Carbon Dioxide, Helium and Air. Refer to BS6596 for recommended factors of safety. SAE 100R8 has a non-pricked cover. For gas applications a pin-pricked Cover is recommended which must be specified at time of ordering.

#### **Applications**

- General Hydraulics
- Mechanical Handling
- Pressure Jetting
- Machine Tools
- Construction Equipment

#### **Construction**

Comprises of a polyester elastomer tube reinforced with a single braid of polyaramid fibre, and a black polyurethane outer cover.

#### **Performance**

- Min/Max continuous service temperature range -40°C to 100°C (water and water-based fluids limited to 70°C)
- Low ID to OD ratios, slim and lightweight
- First-rate stability - change in length better than +/- 2%
- Excellent flexibility and flex fatigue resistance throughout temperature range

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**Hydraulic Hose**



## X Series

### SAE 100 R1AT / EN 853 1SN

**Application :** Construction/Agriculture Machine, Industrial Equipment,  
Machine Tool & Various Hydraulic System Operating

**Temperature :** -40°C to +100°C

**Reinforcement :** Steel Wire

**Inner Cover :** Oil Resistant Synthetic Rubber

**Outer Cover :** Oil & Weather Resistant Synthetic Rubber

**Recommended Fluids :** Mineral Hydraulic Oil

**Max. Impulse Test Pressure :** 133% Of Max. Working Pressure

**Branding :** SUNFLEX X SERIES SAE 100 R1AT / EN 853 1SN - FLAME  
RESISTANT, PRESSURE FROM 40-250 BAR SAFETY FACTOR 4:1



## X Series

### SAE 4SP / EN856

**Application :** Construction/Agriculture Machine, Industrial Equipment,  
Machine Tool & Various Hydraulic System

**Operating Temperature :** -40°C to +120°C (-40°F to +212°F)

**Reinforcement :** Steel Wire

**Inner Cover :** Oil Resistant Synthetic Rubber

**Outer Cover :** Oil & Weather Resistant Synthetic Rubber

**Recommended Fluids :** Mineral Hydraulic Oil

**Max. Impulse Test Pressure :** 133% Of Max. Working Pressure

**Branding :** SUNFLEX X SERIES DIN EN 856/4SP MSHA IC-263/2 -  
FLAME RESISTANT PRESSURE FROM 325 - 445 BAR SAFETY  
FACTOR 4:1



## X Series

### SAE 100 R2AT / EN 853 2SN

**Application :** Construction/Agriculture Machine, Industrial Equipment,  
Machine Tool & Various Hydraulic System

**Operating Temperature :** -40°C to +100°C

**Reinforcement :** Steel Wire

**Inner Cover :** Oil Resistant Synthetic Rubber

**Outer Cover :** Oil & Weather Resistant Synthetic Rubber

**Recommended Fluids :** Mineral Hydraulic Oil

**Max. Impulse Test Pressure :** 133% Of Max. Working Pressure

**Branding :** SUNFLEX X SERIES SAE 100 R2AT / EN 853 2SN - FLAME  
RESISTANT, PRESSURE FROM 80 - 400 BAR SAFETY FACTOR 4:1



## SAE 4SH / EN856

**Application :** Construction/Agriculture Machine, Industrial Equipment,  
Machine Tool & Various Hydraulic System

**Operating Temperature :** -40°C to +120°C (-40°F to +212°F)

**Reinforcement :** Steel Wire

**Inner Cover :** Oil Resistant Synthetic Rubber

**Outer Cover :** Oil & Weather Resistant Synthetic Rubber

**Recommended Fluids :** Mineral Hydraulic Oil

**Max. Impulse Test Pressure :** 133% Of Max. Working Pressure

**Branding :** SUNFLEX X SERIES DIN EN 856/4SH MSHA IC-263/2 -  
FLAME RESISTANT, PRESSURE FROM 250 - 420 BAR SAFETY FACTOR 4:1

#### FEATURES

- Flexibility
- Good Anti-aging Performance
- Long Impulse Pressure Life
- Economic And Environmental
- High Pressure Large Diameter Series
- No Need Skiving

#### FEATURES

- Flexibility Performance
- Good Anti-aging Performance
- Long Impulse Pressure Life
- Economic And Environmental
- High Pressure Large Diameter Series
- No Need Skiving



## SAE 100 R15 / EN 856

**OPERATING TEMPERATURE :** -40°C to +120°C

**REINFORCEMENT :** Steel

**INNER COVER :** Oil resistant synthetic rubber

**OUTER COVER :** Oil & ozone resistant synthetic rubber

**RECOMMENDED FLUIDS :** Mineral Synthetic Oil

**MAX IMPULSE TEST PRESSURE:** 133% of max working pressure

**BRANDING :** SUNFLEX X SERIES DIN EN 856 / SAE 100 R15 DN 32 1 1/4" W.P. 420 BAR  
B.P. 1680 BAR MSHA IC-263/2 - FLAME RESISTANT, SAFETY FACTOR 4:1



## X6KP - 4/6 Steel Wire Spiral Hose

#### Construction

**Core :** Special synthetic rubber tube resistant to mineral. Vegetable and glycol based  
hydraulic oil

**Reinforcement:** 4 or 6 high tensile strength steel wire reinforced

**Cover :** Super high abrasion and weather resistance special synthetic rubber cover

**Temperature Range :** -40°C to +120°C

**Application :** For hydraulic systems with high peak pressure and arduous operating  
condition such as high pressure hydraulic circuits (for example on booms)  
on mobile construction equipment, mining equipment, agriculture machines.

**Branding :** SUNFLEX X6KP EXCEEDS ISO 18752-CC/SAE 100 R15 PERFORMANCE

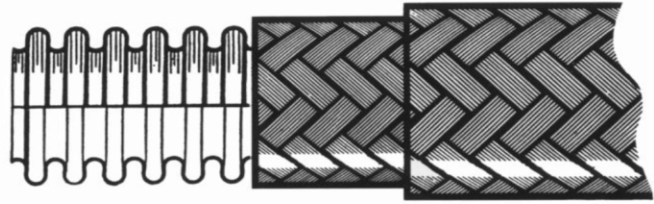
## B-FLEX

### Stainless Steel Annular Convoluted Hose.

A close pitch hose with a high degree of flexibility suitable for most applications and normally supplied.

## BRAID

Single or double layers of Stainless Steel braid prevent elongation of the convoluted hose and increase the working pressures that the hose can accommodate.



Convoluted  
Hose Core

Single  
Braid

Double  
Braid

Nominal Size DN		Maximum Working Pressure at 20°C		Maximum Test Pressure at 20°C		Burst Pressure at 20°C		Minimum Bend Radius Flexing		Nominal O.D.		Approximate Weight		Artifex Reference
mm	ins	bar	lbs/sq ins	bar	lbs/sq ins	bar	lbs/sq ins	mm	ins	mm	ins	Kg/m	lbs/ft	
6	1/4	10	145	15	220	40	580	100	4.0	13.0	0.50	0.17	0.11	ASB/40
		140	2030	210	3045	560	8120	100	4.0	15.0	0.60	0.28	0.19	ASB/41
		250	3625	375	5440	1000	14500	100	4.0	17.5	0.68	0.40	0.27	ASB/42
10	3/8	10	145	15	220	40	580	125	5.0	16.5	0.65	0.24	0.16	ASB/60
		100	1450	150	2175	400	5800	125	5.0	18.0	0.71	0.39	0.26	ASB/61
		155	2250	233	3375	620	9000	125	5.0	20.5	0.81	0.56	0.38	ASB/62
12	1/2	5	75	7.5	110	20	290	125	5.0	21.5	0.85	0.31	0.21	ASB/80
		90	1305	135	1960	360	5220	125	5.0	23.0	0.90	0.50	0.34	ASB/81
		131	1900	196	2850	524	7600	125	5.0	25.5	1.00	0.71	0.48	ASB/82
16	5/8	5	75	7	105	20	290	150	6.0	24.0	0.95	0.35	0.23	ASB/100
		65	940	97	1410	260	3770	150	6.0	25.5	1.00	0.55	0.37	ASB/101
		105	1525	158	2290	420	6100	150	6.0	27.5	1.08	0.75	0.50	ASB/102
20	3/4	4	60	6	90	16	230	150	6.0	28.5	1.10	0.37	0.25	ASB/120
		55	800	83	1200	220	3200	150	6.0	31.5	1.24	0.62	0.42	ASB/121
		93	1350	140	2030	375	5400	150	6.0	34.5	1.36	0.90	0.60	ASB/122
25	1	4	60	6	90	16	230	175	7.0	36.0	1.40	0.48	0.32	ASB/160
		48	700	72	1050	192	2780	175	7.0	37.5	1.50	0.80	0.53	ASB/161
		77	1120	115	1670	308	4470	175	7.0	40.5	1.60	1.13	0.75	ASB/162
32	1 1/4	3	43	4.5	65	12	170	200	8.0	43.5	1.70	0.65	0.45	ASB/200
		38	550	57	825	152	2200	200	8.0	47.0	1.85	1.15	0.78	ASB/201
		62	900	93	1350	248	3600	200	8.0	51.0	2.00	1.70	1.15	ASB/202
40	1 1/2	2	29	3	43	8	120	250	10	53.0	2.10	0.85	0.57	ASB/240
		34	490	51	740	136	1970	250	10	56.5	2.20	1.50	1.00	ASB/241
		46	670	69	1000	184	2670	250	10	60.0	2.35	2.20	1.50	ASB/242
50	2	1	14	1.5	22	4	60	350	14	67.5	2.65	1.25	0.84	ASB/320
		31	450	46	670	124	1800	350	14	71.0	2.80	2.10	1.40	ASB/321
		43	625	64	930	172	2500	350	14	75.0	2.95	3.05	2.05	ASB/322
65	2 1/2	1	14	1.5	22	4	60	500	20	81.5	3.20	1.55	1.03	ASB/400
		27	390	40	580	108	1570	500	20	86.5	3.40	2.65	1.78	ASB/401
		37	540	56	810	148	2150	500	20	91.0	3.60	3.90	2.60	ASB/402
80	3	1	14	1.5	22	4	60	525	21	96	3.80	1.80	1.20	ASB/480
		24	350	36	520	96	1400	525	21	100	3.95	3.13	2.10	ASB/481
		34	490	51	740	136	1980	525	21	105	4.10	4.55	3.05	ASB/482
100	4	0.7	10	1.1	16	3	43	625	25	124	4.90	2.40	1.60	ASB/640
		15	215	22	320	60	870	625	25	130	5.10	4.15	2.77	ASB/641
		18	260	27	400	72	1050	625	25	136	5.35	6.05	4.05	ASB/642
125	5	0.7	10	1.1	16	3	43	750	30	154	6.05	3.90	2.60	ASB/800
		14	200	21	305	56	810	750	30	159	6.25	6.40	4.28	ASB/801
		17	250	25	360	68	990	750	30	165	6.50	9.10	6.12	ASB/802
150	6	0.5	7	0.75	11	2	29	900	36	178	7.00	4.50	3.10	ASB/960
		9	130	14	200	36	520	900	36	183	7.20	7.85	5.25	ASB/961
		14	200	21	305	56	810	900	36	188	7.40	11.50	7.70	ASB/962
200	8	0.3	4	0.45	6	1.2	17	1020	40	234	9.20	6.75	4.53	ASB/1280
		8	120	12	170	32	460	1020	40	241	9.50	11.20	7.51	ASB/1281
		14	200	21	305	56	810	1020	40	246	9.70	16.20	10.90	ASB/1282
250	10	0.25	3	0.36	5	1	14	1220	48	286	11.25	10.30	6.91	ASB/1600
		6	90	9	130	24	350	1220	48	290	11.40	15.30	10.30	ASB/1601
		10	145	15	220	40	580	1220	48	295	11.60	20.80	14.00	ASB/1602
300	12	0.2	3	0.3	4	/	/	1520	60	335	13.2	8.40	5.63	ASB/1920
		5.5	80	8.2	120	22	320	1520	60	343	13.5	14.30	9.60	ASB/1921
		8.2	120	12.3	180	33	480	1520	60	351	13.8	20.10	13.50	ASB/1922

PLEASE NOTE: Pressures for 200mm (8ins), 250mm (10ins) and 300mm (12ins) are based on the use of ARTIFEX Braided Braid

1

#### WORKING PRESSURE

Working pressures are quoted for fluid temperatures at 20°C. Higher fluid temperatures will result in a lower working pressure. These modified working pressures can be calculated using the TEMPERATURE CORRECTION CHART on page 13 of the Artifex Catalogue.

2

#### TEST PRESSURE

To avoid distortion of the convoluted form of the hose, the maximum test pressures quoted in this literature **must not be exceeded**. All hoses are subjected to a test of one-and-a-half times the customer's stated working pressure, provided that this does not exceed the stated maximum test pressure. If a working pressure is not stated, then ARTIFEX Standard Test Procedures will apply.

3

#### HOSE & BRAID MATERIALS

B-Flex & C-Flex hose is normally supplied in Stainless Steel Grade 321 S31. (Werkstoff Nr: 1.4541)  
Braid is normally supplied in Grade 304L. (Werkstoff Nr: 1.4306)  
All our hose and braid is also available in Grade 316L. (Werkstoff Nr: 1.4404)





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# FP120

NEW FINN-POWER FP120, THE LEGEND IS REBORN

New FP120 is compact and easy to use, designed to handle the highest production volumes.

Unbeaten in terms of speed, precision, durability and quality. Depending on available space, or the space need behind the machine, the hydraulic and crimping unit can be separated or combined.

## TECHNICAL DATA

Max crimping dia (mm/inch) <sup>1)</sup>	87/3.42
Max crimping dia with master dies (mm/inch)	109/4.3
Max. crimping force (kN)	2800
Max. crimping force (tonnage)	280
Cycle time 10 mm (s) <sup>2)</sup>	1.8 (S-model: 1.6)
Hydraulic hose size (inch)	2 *
Industrial hose size (inch)	3.42 *
Die set series <sup>3)</sup>	32
Max. opening (mm) <sup>4)</sup>	+68
Max. opening without dies (mm)	167
Master die D/L (mm)	99/97
Master die D/L (inch)	3.90/3.82
Motor Power (kW/HP)	6.5/8.8
Oil tank volume	135 l

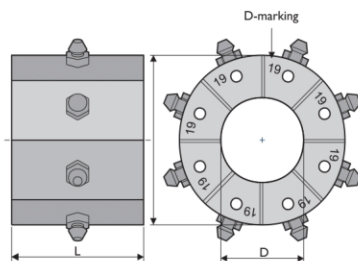
## DIMENSIONS (LxWxH)

Machine (mm)	881X664X1561
Hydraulic Unit (mm)	782X753X1043
Machine (inch)	34.7X26.1X61.5
Hydraulic Unit (inch)	30.8X29.6X41.0

## WEIGHT (KG/LBS)

Machine	875/1925
Hydraulic Unit	220/484
Compact setup	1060/2332

\* ACCORDING TO THE FITTING.



- 1) With standard dies. Crimping range can be increased with special dies.
- 2) Theoretical with 10 mm cycle.
- 3) Hydraulic hose / industrial hose
- 4) Maximum opening is the total die travel. Add this value to the minimum crimping diameter of the die set used. The result is the maximum opening of the machine with die set in place.

## CONTROL

ICC (7" touchscreen) or  
SCC (5" touchscreen)

## STANDARD FEATURES

QuickChange-tool (part no 701049)  
Electric backstop device (part no 705183)  
Mirror (part no 054010)  
Die racks (part no: 714267 (left), 714266 (right))  
Pressure crimping (ICC only)  
Step crimping

## OPTIONS (SCC & ICC)

Foot pedal (part no 691563)  
Side table (part no: 719216 (right), 719152 (left))  
Side die rack, 5 slots (Compact only) (part no 717685)  
Die rack, 9 slots (not for compact) (part no: 714266 (right), 714267 (left))  
Mechanical back stop device (part no 704920)  
Interface pack ETH (Communication TCP/IP & UDP)  
Oil cooler J3 \*\*  
Combi unit (crimping and hydraulic unit combined)  
Pinning support mandrel  
Horizontal Back layout HB  
Horizontal Side layout HS  
\*\* Will have impact on motor size, hydraulic unit dimensions and weight

## OPTIONS (ICC ONLY)

Smart die rack SDR (8 or 16 slot model available)  
Quality control ICC3  
Graphical quality control ICC4  
Auto greasing G3  
Bar Code Reader BCR  
Speed adjustment \*\*  
Oil Condition Monitoring OCM  
Industry 4.0  
A3 signal  
Camera with 7" display  
\*\* Will have impact on motor size, hydraulic unit dimensions and weight.

## DIE SET 32-SERIES

DieSetNo	D (mm)	L (mm)	Crimp. range (mm)
18506/10	10	55	10.0-12.0
18506/12	12	55	12.0-14.0
18506/14	14	55	14.0-16.0
18506/16	16	55	16.0-19.0
18506/19	19	55	19.0-22.0
18506/22	22	70	22.0-26.0
18506/26	26	70	26.0-30.0
18506/30	30	70	30.0-34.0
18506/34	34	75	34.0-39.0
18506/39	39	75	39.0-45.0
18506/45	45	90	45.0-51.0
18506/51	51	90	51.0-57.0
18506/57	57	100	57.0-63.0
18506/63	63	110	63.0-69.0
18506/69	69	110	69.0-75.0
18506/74	74	110	74.0-80.0
18506/78	78	110	78.0-87.0

In addition to the standard die sets, a wide range of special die sets is available on request.



# P32NMS

DESIGNED FOR THE TOUGHEST ENVIRONMENTS

Finn-Power P32NMS is strong, fast and reliable crimping machine for any service crimping need. This model turns hydraulics off to conserve energy, and to reduce workplace noise levels whenever the machine is idle.

## TECHNICAL DATA

Max crimping dia (mm/inch) <sup>1)</sup>	87/3.42
Max crimping dia with master dies (mm/inch)	109/4.3
Max crimping force (kN)	2000
Max crimping force (tonnage)	200
Cycle time 10 mm (s) <sup>2) 3)</sup>	4.0/16.1
Hydraulic hose size (inch)	2 *
Industrial hose size (inch)	3.42 *
Die set series	32
Max opening (mm) <sup>4)</sup>	+33
Max opening without dies (mm)	132
Master die D/L (mm)	99/80
Master die D/L (inch)	3.90/3.15
Motor Power (kW/HP) <sup>3)</sup>	4.0/5.5 1.5/2.0
Oil tank volume	27 l

## DIMENSIONS (LxWxH)

(mm)	675x520x620
(inch)	26.6x20.4x24.4

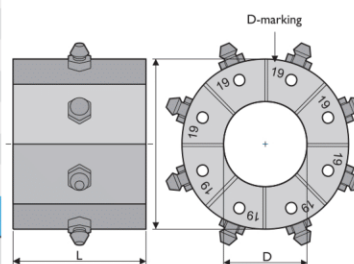
## WEIGHT (KG/LBS)

190/419

\* ACCORDING TO THE FITTING.



Foot pedal as an option (factory installation only).



- 1) With standard dies. Crimping range can be increased with special dies.
- 2) Theoretical with 10 mm cycle.
- 3) 3-phase/1-phase
- 4) Maximum opening is the total die travel. Add this value to the minimum crimping diameter of the die set used. The result is the maximum opening of the machine with die set in place.

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## CONTROL

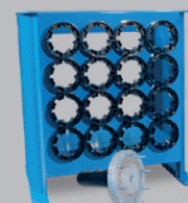
MS

## OPTIONS

Foot pedal (part no 676906, factory installation only)  
Mechanical back stop device (part no 775510)  
Tool base (20 slots) with QuickChange-tool (part no 710579)  
Tool rack with QuickChange-tool (part no 692740)  
QuickChange-tool (part no 701049)



Tool rack with QuickChange-tool as an option.



Tool base (20 slots) with QuickChange-tool as an option.

## DIE SET 32-SERIES

DieSetNo	D (mm)	L (mm)	Crimp. range (mm)
18506/10	10	55	10.0-12.0
18506/12	12	55	12.0-14.0
18506/14	14	55	14.0-16.0
18506/16	16	55	16.0-19.0
18506/19	19	55	19.0-22.0
18506/22	22	70	22.0-26.0
18506/26	26	70	26.0-30.0
18506/30	30	70	30.0-34.0
18506/34	34	75	34.0-39.0
18506/39	39	75	39.0-45.0
18506/45	45	90	45.0-51.0
18506/51	51	90	51.0-57.0
18506/57	57	100	57.0-63.0
18506/63	63	110	63.0-69.0
18506/69	69	110	69.0-75.0
18506/74	74	110	74.0-80.0
18506/78	78	110	78.0-87.0

In addition to the standard die sets, a wide range of special die sets is available on request.



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ANYTHING, ANYWHERE  
“SUNFLEX”  
Mining Customer





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Our Services



## TESTING FACILITY



## Full Testing Facilities

We test our hoses according to the **NAHAD** Standard Procedure to avoid premature failure.

Some of our services are :

1. Leak Testing (Oil/Water)
2. Pressure Testing (Oil/Water)
3. Elongation Testing (Water)

## Hose Assemblies

SUNWAY is the only place to go for hose assemblies and accessories. We offer full range of connections for repair, replacement, or preventive maintenance on instrumentations & Hydraulic systems. Come on in! You'll find great products with good advice. It's just that easy.

## After Sales Service

Your needs determine our involvement. Another value added service we provide is to send our specialist to your site to assist with your hose requirement. Our Hose specialist will always be around catering 24 hours 7 days on-site services to minimize downtime.



## PT. SUNWAY TREK MASINDO

( A Member of Sunway Group )



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Victoria  
Western Australia



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Chengdu  
Shenyang



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