Product Catalogue 2017/2018

INDUSTRY

Ohrdrufer SchlauchWeberei
Eschbach GmbH

The OSW-hose story

The OSW – Ohrdrufer SchlauchWeberei Eschbach GmbH was established in 1993 in the heart of Germany ... in the heart of Europe. As one of the leading manufacturers of lay-flat fire hoses and specialised hoses in Europe, OSW now enjoys a high reputation throughout the world.

We can offer a wide range of fire hoses meeting all requirements for fire fighting operation as well as special hoses for irrigation, mining, refineries, ships ...

The OSW – fire hoses meet the high standards of DIN 14 811:2008, prEN 1924, KTW, BS 6391:2009 Type 3, Lloyd's Register and Marine Coastguard Agency, just to mention a few.

The use of high quality raw materials combined with the most modern production facilities and manufacturing technologies are the guaranty for absolute top products. Permanent research, a well trained labour force and flexibility is our base leaving satisfied customers all over the world. All hoses can be supplied with international standard coupling systems.

In order to be able to meet fire protection and industry requirements we continually extend our product range with innovations and continuous further developments.

The OSW – Ohrdrufer SchlauchWeberei Eschbach GmbH operates a Quality Management System which is fully certified to DIN EN ISO 9001:2008.

We are sure that our products will convince you and we look forward to hearing from you soon and thank you in advance for your confidence in us.

The OSW – Ohrdrufer SchlauchWeberei Eschbach GmbH

Index

hoses during vulcanizing process

twisting process of warp and weft

Syntex 400

outside white plain

Construction

- inside: high-quality, very light synthetic rubber on the basis of EPDM
- outside: jacket of 100 % high tenacity synthetic polyester yarn (colour: white plain), circular-woven twill weave, warp and weft threads multiple twisted

Feature

- very light and flexible hose quality
- minimum maintenance
- extremely resistant to aging
- resistant to ozone and UV
- excellent abrasion resistance
- Cold-resistant up to – 40 °C
- Heat-resistant up to + 100 °C
- minimum friction loss because of very smooth inner lining
- suitable for sea water, hot water, many chemicals

Syntex 400 (outside white plain)

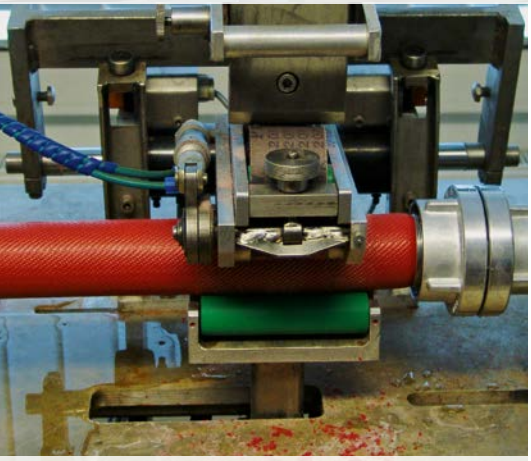
Technical Details

Diameter in Inch	Diameter in mm	Bursting Pressure in bar	Bursting Pressure in PSI	Working Pressure in bar – 1:3 Safety	Working Pressure in PSI – 1:3 Safety	Working Pressure in bar – 1:4 Safety	Working Pressure in PSI – 1:4 Safety	Weight in g/m (+/–5 %)	Weight in lbs/ft (+/–5 %)	Wall Thickness in mm (+/– 0,2 mm)	Theoretical Tensile Strength in kg
Syntex 400 (outside white plain)											
1 (Storz)	25	40	580	14	205	10	145	120	0,081	1,45	2.300
1 (Geka)	27	40	580	14	205	10	145	135	0,091	1,45	2.300
1 1/4	32	40	580	14	205	10	145	155	0,104	1,45	2.600
1 1/2	38	40	580	14	205	10	145	180	0,121	1,55	3.200
1 1/2	40	40	580	14	205	10	145	200	0,134	1,55	3.200
1 2/3	42	40	580	14	205	10	145	230	0,155	1,55	4.200
1 3/4	45	40	580	14	205	10	145	225	0,151	1,55	3.800
2	52	40	580	14	205	10	145	280	0,188	1,55	5.800
2 1/6	55	40	580	14	205	10	145	270	0,181	1,55	4.600
2 1/2	64	40	580	14	205	10	145	355	0,239	1,55	5.700
2 1/2	65	40	580	14	205	10	145	360	0,242	1,55	5.700
2 1/2	66	40	580	14	205	10	145	365	0,245	1,55	5.700
2 3/4	70	40	580	14	205	10	145	385	0,259	1,55	6.800
3	75	40	580	14	205	10	145	460	0,309	1,65	8.600
3 1/2	90	35	510	12	175	8	115	560	0,376	1,90	9.100
4	102	35	510	12	175	8	115	640	0,430	1,90	9.500
4 1/3	110	35	510	12	175	8	115	760	0,511	1,90	11.700
5	125	35	510	12	175	8	115	850	0,571	2,00	12.800
6 (Storz)	150	35	510	12	175	8	115	930	0,625	2,00	12.800
6 (Perrot)	154	35	510	12	175	8	115	940	0,632	2,00	12.800
8	205	30	435	10	145	7	100	1.050	0,705	2,003	24.500

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.

Applications
suitable for industry, construction, horticulture, agriculture, technical support

process of manufacturing endless hoses allows us to deliver lengths of more than 500 m in one section



permanent quality assurance in the own test laboratory

Syntex 400 PU

outside coated

Construction

- inside: high-quality, very light synthetic rubber on the basis of EPDM
- jacket of 100 % high tenacity synthetic polyester yarn, circular-woven twill weave, warp and weft threads multiple twisted
- outside: polyurethane coating (standard colour: red; other on request)

Feature

- very light and flexible hose quality
- minimum maintenance
- extremely resistant to aging
- resistant to ozone and UV
- excellent abrasion resistance
- Cold-resistant up to – 40 °C
- Heat-resistant up to + 100 °C
- minimum friction loss because of very smooth inner lining
- suitable for sea water, hot water, many chemicals

Syntex 400 PU (outside coated)

Technical Details

Diameter in Inch	**Diameter** in mm	**Bursting Pressure** in bar	**Bursting Pressure** in PSI	**Working Pressure** in bar – 1:3 Safety	**Working Pressure** in PSI – 1:3 Safety	**Working Pressure** in bar – 1:4 Safety	**Working Pressure** in PSI – 1:4 Safety	**Weight** in g/m (+/– 5 %)	**Weight** in lbs/ft (+/– 5 %)	**Wall Thickness** in mm (+/– 0,2 mm)	**Theoretical Tensile Strength** in kg
Syntex 400 PU (outside coated)											
1 (Storz)	25	40	580	14	205	10	145	130	0,087	1,45	2.300
1 (Geka)	27	40	580	14	205	10	145	135	0,091	1,45	2.300
1 1/4	32	40	580	14	205	10	145	165	0,111	1,45	2.600
1 1/2	38	40	580	14	205	10	145	190	0,128	1,55	3.200
1 1/2	40	40	580	14	205	10	145	210	0,141	1,55	3.200
1 2/3	42	40	580	14	205	10	145	240	0,161	1,55	4.200
1 3/4	45	40	580	14	205	10	145	235	0,158	1,55	3.800
2	52	40	580	14	205	10	145	290	0,195	1,55	5.800
2 1/6	55	40	580	14	205	10	145	280	0,188	1,55	4.600
2 1/2	64	40	580	14	205	10	145	365	0,245	1,55	5.700
2 1/2	65	40	580	14	205	10	145	370	0,249	1,55	5.700
2 1/2	66	40	580	14	205	10	145	375	0,252	1,55	5.700
2 3/4	70	40	580	14	205	10	145	395	0,265	1,55	6.800
3	75	40	580	14	205	10	145	470	0,316	1,65	8.600
3 1/2	90	35	510	12	175	8	115	570	0,383	1,90	9.100
4	102	35	510	12	175	8	115	650	0,437	1,90	9.500
4 1/3	110	35	510	12	175	8	115	770	0,517	1,90	11.700

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.

Applications
suitable for industry, construction, horticulture, agriculture, technical support

the clamp binding, in this example at a storz suction hose coupling, is an alternative to wire and is also suitable for the binding of hose couplings

within a computer controlled process an employee portioned the need amount of compounding

Syntex Universal
Syntex Universal Air

inside and outside rubberlined

Construction

- inside: very smooth for minimum friction loss
- jacket of 100 % high tenacity synthetic polyester yarn, circular woven, embedded in a rubber compound provides optimum protection of the jacket
- high-quality Nitrile/PVC compound is forced through the jacket in the extrusion process (standard colour: black; other on request)
- outside: longitudinal ribs for excellent abrasion resistance

Feature

- high abrasion resistance and durability by longitudinal ribs → by trouble with a damage of the cover an easily repair is possible
- minimum maintenance
- extremely resistant to aging and ozone and UV
- temperature range from –40 °C up to +100 °C
- minimum friction loss because of very smooth inner lining
- suitable for sea water, hot water, oil, fuel, many chemicals

Syntex Universal (inside and outside rubberlined)

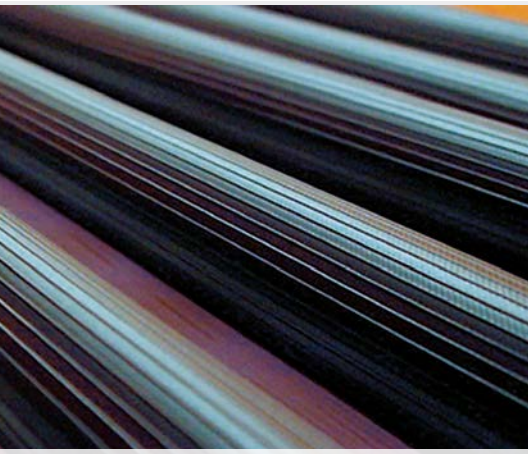
Syntex Universal Air (inside and outside rubberlined)

Technical Details

Diameter in Inch	Diameter in mm	Bursting Pressure in bar	Bursting Pressure in PSI	Working Pressure in bar – 1:3 Safety	Working Pressure in PSI – 1:3 Safety	Working Pressure in bar – 1:4 Safety	Working Pressure in PSI – 1:4 Safety	Weight in g/m (+/– 5 %)	Weight in lbs/ft (+/– 5 %)	Wall Thickness in mm (+/– 0,2 mm)	Theoretical Tensile Strength in kg
Syntex Universal (inside and outside rubberlined)											
3/4	19	50	725	16	250	12	175	190	0,128	2,0	1.700
3/4	20	50	725	16	250	12	175	195	0,131	2,0	1.700
3/4	21	50	725	16	250	12	175	200	0,134	2,0	1.700
1 (Storz)	25	50	725	16	250	12	175	225	0,151	2,0	2.300
1 (Geka)	27	50	725	16	250	12	175	235	0,158	2,0	2.300
1 1/4	32	50	725	16	250	12	175	290	0,195	2,0	2.600
1 1/2	38	50	725	16	250	12	175	310	0,208	2,0	3.000
1 1/2	40	50	725	16	250	12	175	325	0,218	2,0	3.000
1 2/3	42	50	725	16	250	12	175	335	0,225	2,2	3.000
1 3/4	45	50	725	16	250	12	175	355	0,239	2,2	3.300
2	52	50	725	16	250	12	175	385	0,259	2,2	3.800
2	55	50	725	16	250	12	175	395	0,265	2,2	3.800
2 1/2	64	50	725	16	250	12	175	495	0,333	2,3	5.100
2 1/2	65	50	725	16	250	12	175	500	0,336	2,3	5.100
2 1/2	66	50	725	16	250	12	175	505	0,339	2,3	5.100
2 3/4	70	50	725	16	250	12	175	595	0,400	2,3	5.700
3	75	50	725	16	250	12	175	680	0,457	2,5	6.900
3 1/2	90	35	510	12	175	8	115	850	0,571	2,5	7.600
4	102	35	510	12	175	8	115	995	0,669	3,0	8.000
4 1/3	110	35	510	12	175	8	115	1.100	0,739	3,0	8.600
5	125	35	510	12	175	8	115	1.350	0,907	3,0	12.200
6 (Storz)	150	35	510	12	175	8	115	1.600	1,075	3,0	13.000
6 (Perrot)	154	35	510	12	175	8	115	1.650	1,109	3,0	13.000
8	205	30	435	10	145	7	100	2.250	1,512	3,0	23.000
Syntex Universal Air (inside and outside rubberlined)											
3/4	19 / 20 / 21	70	1015	24	350	18	265	195	0,131	2,0	1.700
1	25 / 27	60	870	20	290	15	220	230	0,155	2,0	2.300
1 1/4	32	60	870	20	290	15	220	290	0,195	2,0	2.600
1 1/2	38	60	870	20	290	15	220	310	0,208	2,0	3.000
2	52	50	725	16	235	12	175	385	0,259	2,2	3.800

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.

Applications
suitable for industry, construction, channel work, demolition contractors, horticulture, agriculture, refineries, compressors, pressing and pneumatic tools



production lengths up to maximum 120 m is possible

an employee places the pre-weighed mixture components to the conveyor belt, which transports the components in the internal mixer

Syntex AGRI

inside and outside rubberlined

Construction

- inside: very smooth for minimum friction loss
- jacket of 100 % high tenacity synthetic polyester yarn (reinforced construction), circular woven, embedded in a rubber compound provides optimum protection of the jacket
- high-quality Nitrile/PVC compound is forced through the jacket in the extrusion process (standard colour: black and yellow; other on request), reinforced version
- outside: longitudinal ribs for excellent abrasion resistance

Feature

- high abrasion resistance and durability by longitudinal ribs → suitable for extreme conditions
- resistant against slurry and many other chemicals
- excellent tensile strength
- minimum maintenance
- extremely resistant to aging and ozone and UV
- temperature range from – 40 °C up to + 100 °C
- minimum friction loss because of very smooth inner lining
- minimum elongation

Syntex AGRI (inside and outside rubberlined)

Technical Details

Diameter in Inch	**Diameter** in mm	**Bursting Pressure** in bar	**Bursting Pressure** in PSI	**Working Pressure** in bar	**Working Pressure** in PSI	**Weight** in g/m (+/– 5 %)	**Weight** in lbs/ft (+/– 5 %)	**Wall Thickness** in mm (+/– 0,2 mm)	**Theoretical Tensile Strength** in kg
Syntex AGRI (inside and outside rubberlined)									
2	52	50	725	25	365	640	0,430	2,8	4.500
2 1/2	65	50	725	25	365	810	0,544	3,5	6.300
3	75	50	725	25	365	1.100	0,739	3,5	9.300
3 1/2	90	40	580	20	290	1.250	0,840	3,5	11.000
4	102	40	580	20	290	1.450	0,974	3,5	12.300
4 1/3	110	40	580	20	290	1.600	1,075	3,5	12.800
5	127	35	510	15	220	1.950	1,310	4,0	15.200
6	150	35	510	15	220	2.200	1,478	4,0	17.900
8	205	30	435	15	220	2.500	1,680	4,0	25.000

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.

Applications
suitable for agriculture, irrigation, slurry, construction, technical support

change of weft spools in the loom

on request long lengths can be supplied on wooden reels

Syntex PU

inside and outside Polyurethane

Construction

- inside: very smooth for minimum friction loss
- jacket of 100 % high tenacity synthetic polyester yarn, circular woven in special construction for maximum tensile
- completely embedded in high-quality thermoplastic polyurethane (TPU), is forced through the jacket in the extrusion process (standard colour: black; others on request), provides optimum protection of the jacket
- outside: smooth, excellent abrasion resistance

Feature

- excellent abrasion resistance and durability
  → suitable for extreme conditions
- resistant against slurry and many other chemicals
- excellent tensile strength
- minimum maintenance
- extremely resistant to aging and ozone and UV
- Cold-resistant up to – 40 °C
- Heat-resistant up to + 100 °C
- minimum friction loss because of very smooth inner lining
- minimum elongation

Syntex PU (inside and outside Polyurethane)

Technical Details

Diameter in Inch	Diameter in mm	Bursting Pressure in bar	Bursting Pressure in PSI	Working Pressure in bar	Working Pressure in PSI	Weight in g/m (+/– 5 %)	Weight in lbs/ft (+/– 5 %)	Wall Thickness in mm (+/– 0,2 mm)	Theoretical Tensile Strength in kg
Syntex PU HP (inside and outside Polyurethane)									
2	52	60	870	24	350	475	0,319	2,6	5.000
3	75	50	725	20	290	780	0,524	2,8	8.000
3 1/2	90	40	580	16	235	950	0,638	3,5	9.000
4	102	40	580	16	235	1.350	0,907	4,0	10.000
5	127	40	580	16	235	1.950	1,310	4,0	15.000
6	152	40	580	16	235	2.150	1,445	4,0	22.500
8	205	40	580	16	235	2.750	1,848	4,5	30.000
10	254	40	580	16	235	3.950	2,654	4,5	35.000
12	305	30	435	12	175	4.750	3,192	4,5	38.000
14	356	15	220	6	85	5.500	3,695	4,5	40.500
Syntex PU LP (inside and outside Polyurethane)									
5	127	30	435	12	175	1.700	1,142	3,0	12.000
6	152	30	435	12	175	1.800	1,209	3,0	15.000
8	205	30	435	12	175	2.200	1,478	3,0	17.500
10	254	20	290	8	115	2.850	1,915	3,5	20.000

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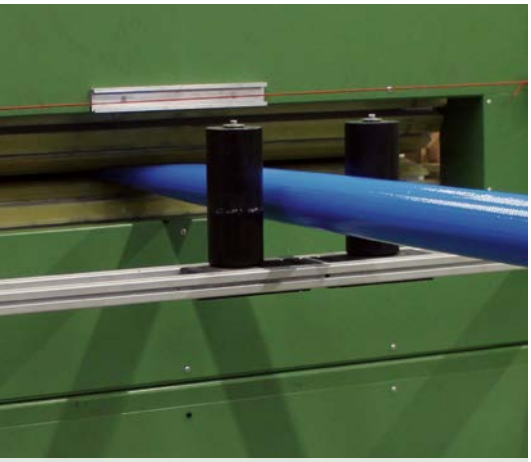
Applications
suitable for agriculture, irrigation, slurry, construction, mining, refineries, technical support



the constant production speed – a must for uniform application of the material

the hollow cone in the weaving loom determines the final diameter

Syntex Eschbach Aquadur

inside and outside Polyurethane

Construction

- inside: very smooth for minimum friction loss
- jacket of 100 % high tenacity synthetic polyester yarn, circular woven in special construction for maximum tensile
- completely embedded in high-quality thermoplastic polyurethane (TPU is suitable for drinking water), is forced through the jacket in the extrusion process (standard colour: blue), provides optimum protection of the jacket
- outside: smooth, excellent abrasion resistance

Feature

- excellent abrasion resistance and durability
  → suitable for extreme conditions
- excellent tensile strength
- easy cleaning and disinfection
- extremely resistant to aging and ozone and UV resistant
- temperature resistant from – 50 °C to + 75 °C
- minimum friction loss and minimum elongation

Approvals/Certificates

- KTW-Approval Cat. A
- DVGW W270
- BS6920-1:2000 (WRAS)

Syntex Eschbach Aquadur (inside and outside Polyurethane)

Technical Details

Diameter in Inch	**Diameter** in mm	**Bursting Pressure** in bar	**Bursting Pressure** in PSI	**Working Pressure** in bar	**Working Pressure** in PSI	**Weight** in g/m (+/– 5 %)	**Weight** in lbs/ft (+/– 5 %)	**Wall Thickness** in mm (+/– 0,2 mm)	**Theoretical Tensile Strength** in kg
Syntex Eschbach Aquadur (inside and outside Polyurethane)									
1	25	50	725	17	250	165	0,430	1,8	1.200
2	52	50	725	17	250	480	0,544	2,6	3.700
2 1/2	65	50	725	17	250	650	0,739	2,6	5.700
3	75	50	725	17	250	790	0,840	2,8	6.500
4	102	40	580	14	205	1.300	0,974	3,0	9.000
5	127	30	435	12	175	1.600	1,075	3,0	12.000
6	152	30	435	12	175	1.950	1,310	3,0	15.000

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.

Applications
suitable for municipal water, drinking water emergency, drinking water acquisition, food industry, technical support

winding of a long length on a wooden reel

preparation of the jacket for the subsequent production of custom lengths

Syntex Eschbach Welldur

inside and outside Polyurethane

Construction

- inside: very smooth for minimum friction loss
- jacket of 100 % high tenacity synthetic polyester yarn, circular woven in special construction for maximum tensile
- completely embedded in high-quality thermoplastic polyurethane (TPU is suitable for drinking water), is forced through the jacket in the extrusion process (standard colour: blue), provides optimum protection of the jacket
- outside: very smooth with extruted holding strap with loops

Feature

- excellent abrasion resistance and durability
  → suitable for extreme conditions
- excellent tensile strength
- easy cleaning and disinfection
- extremely resistant to aging and ozone and UV resistant
- temperature resistant from –50 °C to +75 °C
- minimum friction loss and minimum elongation

Approvals/Certificates

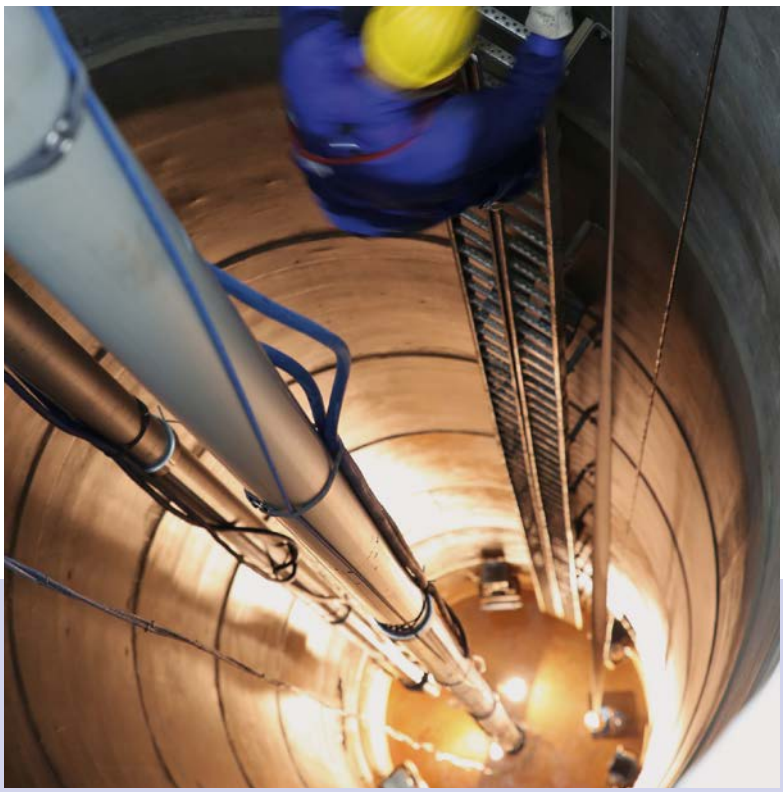
- KTW-Approval Cat. A
- DVGW W270
- BS6920-1:2000 (WRAS)

Syntex Eschbach Welldur (inside and outside Polyurethane)

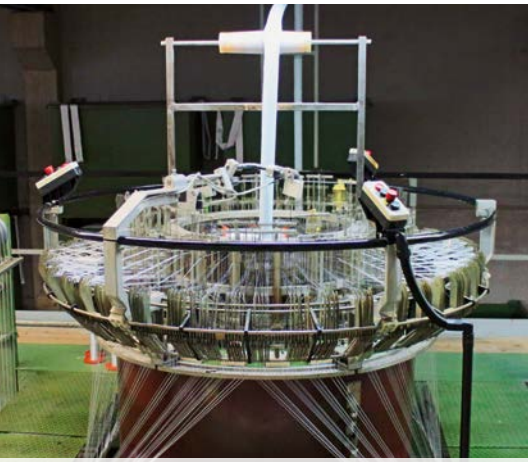
Technical Details

Diameter in Inch	**Diameter** in mm	**Bursting Pressure** in bar	**Bursting Pressure** in PSI	**Working Pressure** in bar	**Working Pressure** in PSI	**Weight** in g/m (+/– 5 %)	**Weight** in lbs/ft (+/– 5 %)	**Wall Thickness** in mm (+/– 0,2 mm)	**pH range up to 30 °C**	**Theoretical Tensile Strength** in kg
Syntex Eschbach Welldur (inside and outside Polyurethane)										
2	52	60	870	25	365	580	0,390	3,2	4 up to 9	4.000
3	75	60	870	25	365	880	0,591	3,2	4 up to 9	7.000
4	102	60	870	25	365	1.150	0,773	4,0	4 up to 9	12.000
6	152	on request								

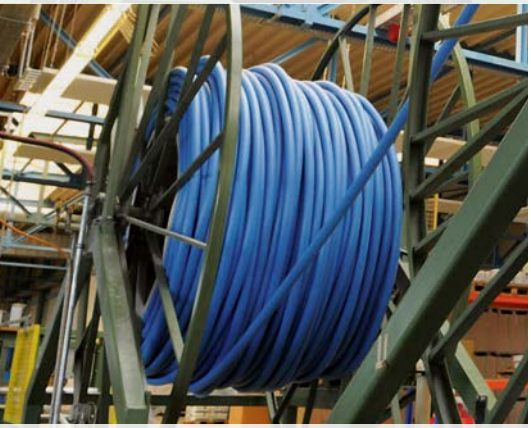
The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.



Applications
suitable for water retrieval from boreholes with a submersible pump, mine dewatering and industrial application



in the loom the rubberlining (= manchon) will be woven in the textile jacket



process of manufacturing endless hoses allows us to deliver lengths of more than 500 m in one section

Syntex Aquaris LBM

outside white plain | outside coated

Construction

- inside: high quality, light, white food-resistant rubberlining on the basis of EPDM
- 100 % high tenacity synthetic polyester yarn, circular-woven twill weave, warp and weft threads multiple twisted (on request with woven copper wires)
- outside: variantion 1: white plain jacket (uncoated)
  variantion 2: coloured PU-coating
  (Standard colours: blue or yellow, others on request)

Feature

- excellent abrasion resistance and durability
  → suitable for extreme conditions
- easy cleaning and disinfection
- extremely resistant to aging
- ozone and UV resistant
- Cold-resistant up to – 40 °C
- Heat-resistant up to + 100 °C
- minimum friction loss
- minimum elongation

Technical Details

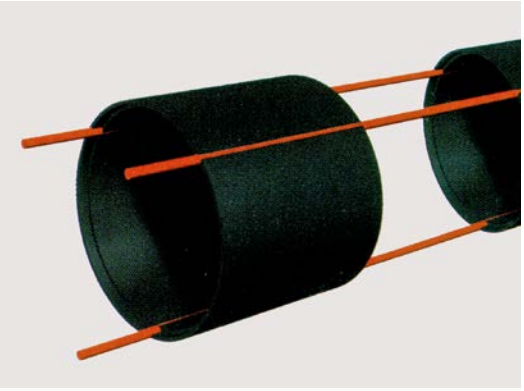
Diameter in Inch	**Diameter** in mm	**Bursting Pressure** in bar | in PSI	**Working Pressure** in bar | in PSI	outside white plain		outside coated		**Theoretical Tensile Strength** in kg
				Weight in g/m | in lbs/ft (+/–5 %)	**Wall Thickness** in mm (+/- 0,2 mm)	**Weight** in g/m | in lbs/ft (+/–5 %)	**Wall Thickness** in mm (+/- 0,2 mm)	
Syntex Aquaris LBM (outside white plain) | Syntex Aquaris LBM (outside coated)								
1	25	50 | 725	16 | 235	140 | 0,094	1,50	160 | 0,108	1,65	2.300
1 1/4	32	50 | 725	16 | 235	165 | 0,111	1,50	185 | 0,124	1,65	2.600
1 1/2	38	50 | 725	16 | 235	190 | 0,125	1,60	210 | 0,141	1,75	3.200
1 2/3	42	50 | 725	16 | 235	240 | 0,161	1,60	265 | 0,178	1,75	4.200
1 3/4	45	50 | 725	16 | 235	235 | 0,158	1,60	260 | 0,175	1,75	3.800
2	52	50 | 725	16 | 235	290 | 0,195	1,60	325 | 0,218	1,75	5.800
2 1/2	65	50 | 725	16 | 235	370 | 0,249	1,60	395 | 0,265	1,75	5.700
2 3/4	70	50 | 725	16 | 235	395 | 0,265	1,60	430 | 0,289	1,75	6.800
3	75	50 | 725	16 | 235	490 | 0,329	1,70	540 | 0,363	1,85	8.600
3 1/2	90	35 | 510	12 | 175	580 | 0,390	1,95	640 | 0,430	2,10	9.100
4	102	35 | 510	12 | 175	750 | 0,554	1,95	825 | 0,554	2,10	9.500
4 1/3	110	35 | 510	12 | 175	820 | 0,551	1,95	910 | 0,611	2,10	11.700

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.

Syntex Aquaris LBM (outside white plain)

Syntex Aquaris LBM (outside coated)

Applications
suitable for municipal water, food industry, technical support



picture is showing the copper wire

Syntex Petrol

antistatic, outside coated

Construction

- inside: antistatic special rubber
- 100 % high tenacity synthetic polyester yarn, circular-woven twill weave, warp and weft threads multiple twisted, with woven copper wires
- outside: polyurethane coating (standard colour: black; other on request)

Feature

- antistatic electrical conductivity <106 Ω at 100 V (measured from coupling to coupling)
- suitable for fire fighters in hazardous locations
- suitable for powder extinguishing hose
- resistant to aging
- resistant to ozone and UV resistant
- temperature resistant from – 40 °C to + 100 °C
- minimum friction loss, minimum elongation

Technical Details

Diameter in Inch	Diameter in mm	Bursting Pressure in bar | in PSI	Working Pressure in bar | in PSI	Weight in g/m | in lbs/ft (+/– 5%)	Wall Thickness in mm (+/– 0,2 mm)	Theoretical Tensile **Strength** in kg
Syntex Petrol (antistatic, outside coated)						
1	25	60 | 870	16 | 235	145 | 0,097	1,5	2.300
1 2/3	42	60 | 870	16 | 235	235 | 0,158	1,6	4.200
2	52	60 | 870	16 | 235	285 | 0,191	1,6	5.800
3	75	60 | 870	16 | 235	490 | 0,329	1,7	8.600
4	102	35 | 510	12 | 175	780 | 0,524	1,9	9.500
4 1/3	110	35 | 510	12 | 175	820 | 0,551	1,9	11.700

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.

Syntex Petrol (antistatic, outside coated)

thread spools are plugged on the holding devices and will used for twisting of warp and weft depending of jacket construction

Syntex Snow Cannon

outside red dyed

Construction

- inside: high-quality, very light synthetic rubber on the basis of EPDM
- jacket of 100 % high tenacity synthetic polyester yarn, circular-woven twill weave, warp and weft threads multiple twisted
- double jacket construction allows extreme high operating / working pressures
- outside: uncoated jacket (standard colour: red dyed; other on request)

Feature

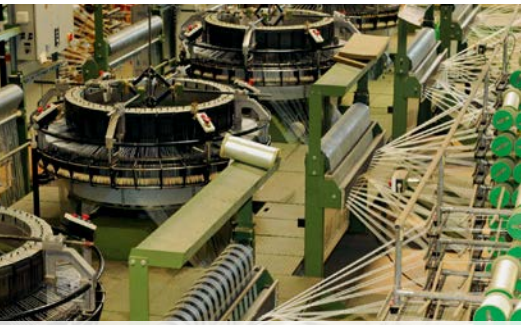
- due to the double jacket construction as a high-pressure hose suitable for extreme conditions (bursting pressure 150 bar)
- resistant to aging
- resistant to ozone and UV resistant
- Cold-resistant up to – 40 °C
- Heat-resistant up to + 100 °C
- minimum friction loss, minimum elongation

Technical Details

Diameter in Inch	in mm	**Bursting Pressure** in bar | in PSI	**Working Pressure** in bar | in PSI	**Weight** in g/m | in lbs/ft (+/– 5%)	**Wall Thickness** in mm (+/– 0,2 mm)	**Theoretical Tensile Strength** in kg
Syntex Snow Cannon (outside red dyed)						
1 1/2	38	150 | 2175	60 | 870	490 | 0,329	3,0	8.100
2	52	150 | 2175	60 | 870	700 | 0,470	3,0	10.600
2 1/2	65	150 | 2175	60 | 870	950 | 0,638	3,0	12.300

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.

Syntex Snow Cannon (outside red dyed)



in weaving the jacket will be produced according to customer requirements with the desired pressure levels and properties

Syntex Double Jacket

outside white plain

Construction

- inside: high-quality, very light synthetic rubber on the basis of EPDM
- jacket of 100 % high tenacity synthetic polyester yarn, circular-woven twill weave, warp and weft threads multiple twisted
- double jacket construction allows extreme high operating/working pressures
- outside: uncoated jacket (standard colour: white plain; other on request)

Feature

- due to the double jacket construction as a high-pressure hose suitable for extreme conditions (bursting pressure 150 bar)
- resistant to aging
- resistant to ozone and UV resistant
- Cold-resistant up to – 40 °C
- Heat-resistant up to +100 °C
- minimum friction loss, minimum elongation

Technical Details

Diameter in Inch	Diameter in mm	Bursting Pressure in bar | in PSI	Working Pressure in bar | in PSI	Weight in g/m | in lbs/ft (+/– 5%)	Wall Thickness in mm (+/– 0,2 mm)	Theoretical Tensile Strength in kg
Syntex Double Jacket (outside white plain)						
1 1/2	38	150 | 2175	60 | 870	490 | 0,329	3,0	8.100
2	52	150 | 2175	60 | 870	700 | 0,470	3,0	10.600
2 1/2	65	150 | 2175	60 | 870	950 | 0,638	3,0	12.300

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.

Syntex Double Jacket (outside white plain)

production of high-quality pre-vulcanized EPDM-manchon

Syntex Cable Protector

outside rubberlined

Construction

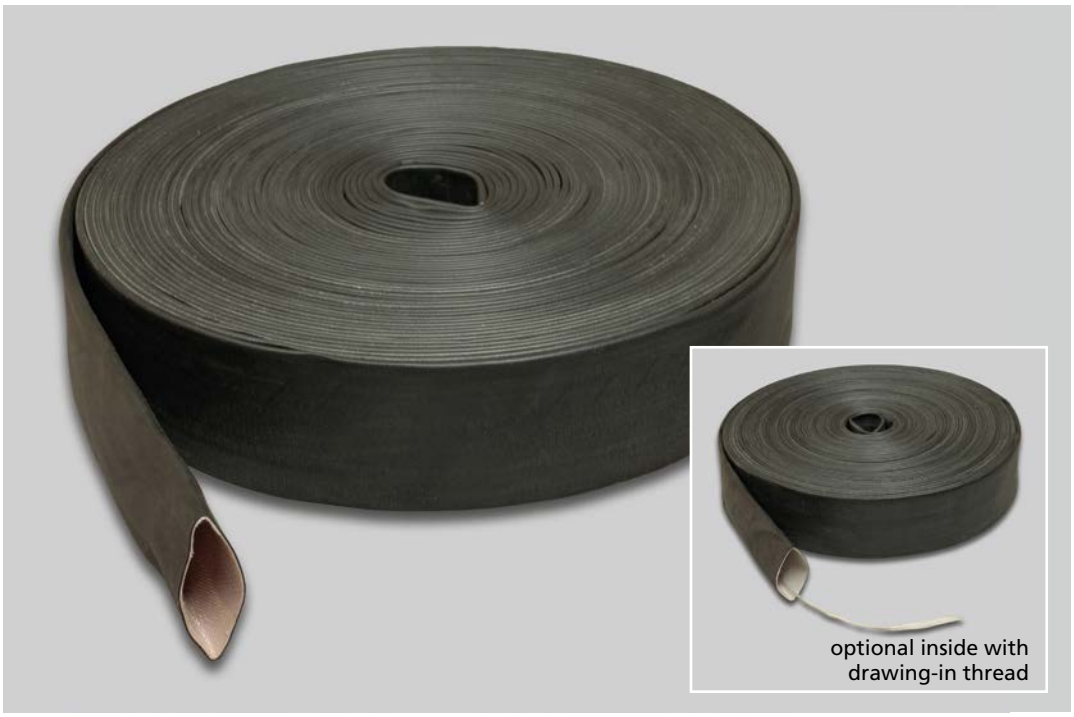
- inside: 100 % high tenacity synthetic polyester yarn, circular-woven twill weave, warp threads multiple twisted
- outside: high-quality, synthetic, black rubber based on EPDM for exellent dielectric strength (standard color: black)

Feature

- dielectric strength: > 10.000 V
- very flexible, thin-walled and easily to cover over the cable (optional inside with drawing-in thread)
- ideal for bundling and insulation of cables and wires therefore ideally suitable for electrical industry, machinery and vehicle manufacturer
- resistant to aging, to ozone and UV
- Cold-resistant up to –40° C
- Heat-resistant up to + 100° C
- 100% silicone-free

Technical Details

Nominal size in mm	Wall Thickness in mm (+/– 0,2 mm)	Weight in g/m (+/– 5 %)
Syntex Cable Protector		
26 * 1,5	1,50	120
28 * 1,5	1,50	130
30 * 1,5	1,50	140
32 * 1,5	1,50	145
35 * 1,5	1,50	155
38 * 1,5	1,50	165
40 * 1,5	1,50	170
42 * 1,5	1,50	195
45 * 1,5	1,50	220
50 * 1,5	1,50	235
52 * 1,5	1,50	250
55 * 1,5	1,50	260
58 * 1,5	1,50	280
60 * 1,5	1,50	290
65 * 1,5	1,50	320
70 * 1,5	1,50	350
75 * 1,65	1,65	400
102 * 1,65	1,65	560
110 * 1,65	1,65	660



optional inside with drawing-in thread

Syntex Cable Protector (outside rubberlined)

Jacket Uncoated

Construction

- 100 % high tenacity synthetic polyester yarn, circular woven in twill weave alternatively plain weave, warp and weft threads multiple twisted (on request with woven copper wires)
- standard colour: white plain; others on request
- diameter: from Ø 19 mm up to Ø 800 mm

Jacket Coated

Construction

- inside: 100% high tenacity synthetic polyester yarn, circular woven in twill weave alternatively plain weave, warp and weft threads multiple twisted (on request with woven copper wires)
- outside: polyurethane coating (standard colour: red; other on request)
- diameter: from Ø 19 mm up to Ø 150 mm

Rubberlining

Construction

- high quality synthetic rubber (manchon) in EPDM quality, optional outside with or without glue (adhesive layer)
- diameter: from Ø 19 mm up to Ø 150 mm

PU Film Lining

Construction

- high quality lightweight film lining in polyurethane quality, optional outside with or without glue (adhesive layer)
- diameter: from Ø 19 mm up to Ø 150 mm

Quality Management

Translation
In any case, the german original shall prevail

DGUV Test
Prüf- und Zertifizierungsstelle
BG Verkehr
Dienststelle Schiffssicherheit

CERTIFICATE

We hereby confirm that the company

Ohrdrufer Schlauch Weberei Eschbach GmbH
Herrenhöfer Landstraße 2
D - 99885 Ohrdruf

has introduced and implemented a

quality management system

for the whole company in accordance with

DIN EN ISO 9001 : 2008.

Scope : Production and sales of circular woven hoses, inside rubber-lined, inside and outside rubberized or thermoplastisized and/or finished differently, geological textiles and pipe refurbishment hoses .

Compliance with the requirements of the standard has been proved by means of an audit, documented in a report.

This certificate with the number SEE**1405** is valid until **03.02.2017** .

Hamburg, 20.02.2014

Signature

DGUV Test

postal address: POB 11 04 89 • D - 20404 Hamburg• visisting address : Brandswiete 1• D - 20457 Hamburg
phone : 0049-40-36137-0 • fax : 0049-40-36137 204•
E-Mail : Schiffssicherheit@bg-verkehr.de • www.dienststelle-schiffssicherheit.de

ZQS01-E-SEE
10.13

Notes

Service

Conversion charts

Kilogramm (kg)	Gramm (g)	Pound (lb)	Ounces (oz)
Weights			
1,00	1.000	2,2	35
0,50	**500**	1,1	18
0,45	454	**1,0**	16
2,84	2.835	6,3	**100**

Celsius (° C)	Fahren-heit (° F)	Kelvin (° K)
Temperatures		
0	32	273
– 18	**0**	255
– 273	– 460	**0**

Meter (m)	Millimeter (mm)	Inch (inch / ")	Foot (ft / ')	Yard (yd)	Mile (mi)
Lengths					
1,00	1.000	39,4	3,28	1,09	0,001
0,10	**102**	4,0	0,33	0,11	–
0,03	25,4	**1**	0,08	0,03	–
0,30	305	12	**1,00**	0,33	–
0,91	914	36	3,00	**1,00**	0,001
1.609	–	–	5.280	1.760	**1,000**

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PRODUCT CATALOGUE FIRE FIGHTING

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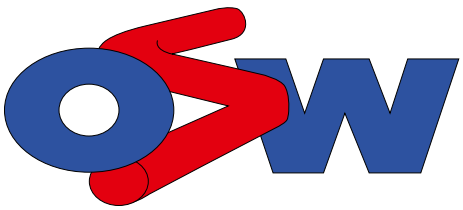

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