

Ohrdruffer SchlauchWeberei
Eschbach GmbH

Product catalogue 2011



Hoses for experts – worldwide



Hoses with Know-how

Our company is one of the leading European manufacturers of fire fighting hoses. Although the company was only founded in 1993, we have several decades of experience to our name. The basis of our success is our experience coupled with state-of-the-art technology, high qualified staff, top-quality products and customer relationships based on honesty, fairness and trust. As a mid-sized company, we are able to swiftly and flexibly react to and fulfill special customer requirements. Whether it's special colours, individual stamps, special lengths or semi-finished products that are required:

We have the right solution for you.

FIRE FIGHTING

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Syntex 500



diameter		bursting pressure		working pressure		weight	
						in g	
in mm	in inch	in bar	in psi	in bar	in psi	white	PU-coated
25 (D)	1	60	870	16	235	130	140
38	1 1/2	60	870	16	235	200	210
45	1 3/4	60	870	16	235	240	255
52 (C)	2	60	870	16	235	275	290
65	2 1/2	60	870	16	235	360	375
70	2 3/4	60	870	16	235	430	455
75 (B)	3	60	870	16	235	480	500
102 (A)	4	35	510	12	175	600	640
110 (A)	4 1/3	35	510	12	175	775	825

applications

- municipal fire brigades
- shipboard
- industrial fire brigades
- refineries
- irrigation

construction

- 100 % high tenacity polyester yarn
- circular-woven twill weave, warp threads multiple twisted
- high-quality, very light synthetic rubber on the basis of EPDM


features

- seawater-resistant, weather-resistant
- ageing and ozone resistant
- temperature range from -40 °C up to +100 °C
- minimum friction loss because of very smooth inner lining
- light and flexible
- minimum maintenance
- PU-coating on request

special options

- other diameters
- maximum lengths up to 500 m
- individual stencilling (e. g. Company-logo or -name)
- all international couplings standards

approvals

- DIN 14811 :2008 class 1/class 2
- Germanischer Lloyd
- M.E.D. 96/98/EC 
- BS 6391 Type 1 (white)
- BS 6391 Type 2 (red coated)

Syntex 500-Extra



diameter		bursting pressure		working pressure		weight	
						in g	
in mm	in inch	in bar	in psi	in bar	in psi	white	PU-coated
25 (D)	1	65	945	20	290	135	145
38	1 1/2	65	945	20	290	210	220
45	1 3/4	65	945	20	290	250	265
52 (C)	2	65	945	20	290	285	200
65	2 1/2	65	945	20	290	370	385
70	2 3/4	65	945	20	290	440	465
75 (B)	3	65	945	20	290	490	510
102 (A)	4	45	655	15	220	610	650
110 (A)	4 1/3	45	655	15	220	785	835

applications

- municipal fire brigades
- shipboard
- industrial fire brigades
- refineries, irrigation

construction

- 100 % high tenacity polyester yarn
- circular-woven twill weave, warp threads multiple twisted in special construction
- high-quality, very light synthetic rubber on the basis of EPDM


features

- special jacket-construction for best abrasion-resistance
- seawater-resistant, weather-resistant
- ageing and ozone resistant
- temperature range from -40 °C up to +100 °C
- minimum friction loss because of very smooth inner lining
- light and flexible
- minimum maintenance
- PU-coating on request

special options

- other diameters
- maximum lengths up to 500 m
- individual stencilling (e. g. Company-logo or -name)
- all international couplings standards

approvals

- DIN 14811 : 2008 class 1/class 2
- Germanischer Lloyd
- M.E.D. 96/98/EC 
- BS 6391 Type 1 (white)
- BS 6391 Type 2 (red coated)

Syntex Unidur



diameter		bursting pressure		working pressure		weight
in mm	in inch	in bar	in psi	in bar	in psi	in g
25 (D)	1	70	1.015	20	290	215
38	1 1/2	60	870	20	290	300
45	1 3/4	60	870	20	290	355
52 (C)	2	60	870	20	290	385
65	2 1/2	60	870	20	290	500
70	2 3/4	60	870	20	290	595
75 (B)	3	60	870	20	290	680
102 (A)	4	40	580	15	220	995
150 (F)	6	40	580	15	220	1.665
205	8	30	435	10	145	2.250

applications

- municipal fire brigades
- shipboard, marine and offshore
- chemical industry
- refineries, irrigation, agriculture

construction

- 100 % high tenacity polyester yarn, circular-woven (reinforcement)
- embedded in a high-quality, special synthetic rubber on the basis of Nitrile/PVC
- extruded through the polyester weave

features

- absolute tough, durable and very abrasion resistant
- resistance to oil, petrol and a wide range of chemicals
- temperature range from –40 °C up to +100 °C
- resistance to UV and ozone
- low elongation and very low friction loss
- excellent adhesion between rubber and textile
- no cleaning or drying required

special options

- maximum lengths up to 120 m
- individual stencilling (e. g. Company-logo or -name)
- all international couplings
- standard colour: red (others on request)

approvals

- DIN 14811:2008 class 3
- BS 6391 Type 3
- prEN 1924 class 4
- M.E.D. 96/98/EC
- Lloyd's Register of Shipping
- Germanischer Lloyd

Syntex Unidur light



diameter		bursting pressure		working pressure		weight
in mm	in inch	in bar	in psi	in bar	in psi	in g
52 (C)	2	35	510	15	220	290
75 (B)	3	35	510	15	220	515

applications

- municipal fire brigades
- shipboard
- marine and offshore
- chemical industry
- refineries

construction

- 100 % high tenacity polyester yarn, circular-woven (reinforcement)
- embedded in a high-quality, special synthetic rubber on the basis of Nitrile/PVC
- extra thin wall-thickness
- extruded through the polyester weave

features

- absolute tough and durable
- resistance to oil, petrol and a wide range of chemicals
- temperature range from -40 °C up to +100 °C
- resistance to UV and ozone
- low elongation and very low friction loss
- excellent adhesion between rubber and textile
- no cleaning or drying required
- easy to repair
- very light compared to the regular Syntex Unidur

special options

- maximum lengths up to 120 m
- individual stencilling (e. g. Company-logo or -name)
- all international couplings standards
- standard colour: red (others on request)

Syntex Signal



diameter		bursting pressure		working pressure		weight
in mm	in inch	in bar	in psi	in bar	in psi	in g
25 (D)	1	60	870	16	235	130
42 (C)	1 2/3	60	870	16	235	225
52 (C)	2	60	870	16	235	295
75 (B)	3	60	870	16	235	480
110 (A)	4 1/3	35	510	12	175	780

applications

- municipal fire brigades
- shipboard
- industry
- military

construction

- 100 % high tenacity polyester yarn yellow dyed
- circular-woven twill weave, warp threads multiple twisted
- high-quality, very light synthetic rubber on the basis of EPDM

features

- by fluorescent signal colour highly visible in darkness and smoke
- reduces the risk of accidents during operation
- temperature range from -40 °C up to +100 °C
- minimum friction loss because of very smooth inner lining
- suitable for seawater, hot water and steam
- ageing and ozone resistant
- minimum maintenance

special options

- maximum lengths up to 120 m
- individual stencilling (e. g. Company-logo or -name)
- all international couplings standards
- standard colour: yellow (others on request)

approvals

- DIN 14811 : 2008 class 1
- Germanischer Lloyd

Syntex Double Jacket



diameter		version	bursting pressure		working pressure	
in mm	in inch		in bar	in psi	in bar	in psi
38	1 1/2	A	150	2.175	60	870
52	2	A	150	2.175	60	870
65	2 1/2	A	150	2.175	60	870
38	1 1/2	B	120	1.740	40	580
52	2	B	120	1.740	40	580
65	2 1/2	B	120	1.740	40	580

other diameter on request

applications

- municipal fire brigades
- industry
- winter sports

construction

- 100 % high tenacity polyester yarn
- circular-woven twill weave, warp threads multiple twisted
- high-quality, special synthetic rubber on the basis of EPDM

- possible with red yarn or red PU-coating
- double-weave-construction for highest working pressures

features

- high-pressure-hose for extreme purposes
- ageing and ozone resistant
- temperature range from -40 °C up to +100 °C

special options

- maximum lengths up to 60 m
- individual stencilling (e. g. Company-logo or -name)
- other diameters
- all international couplings standards (e. g. BS-couplings, NH-couplings)

Syntex 400



diameter		bursting pressure		working pressure		weight
in mm	in inch	in bar	in psi	in bar	in psi	in g
25 (D)	1	40	580	10	145	135
52 (C)	2	40	580	10	145	250
65	2 1/2	40	580	10	145	350
70	2 3/4	40	580	10	145	410
75 (B)	3	40	580	10	145	430
102 (A)	4	35	510	10	145	595
125	5	30	435	10	145	850
150 (F)	6	30	435	10	145	950

applications

- municipal fire brigades
- industrial fire brigades
- refineries
- agriculture

construction

- 100 % high tenacity synthetic polyester yarn
- circular-woven twill weave, warp threads multiple twisted
- high-quality, very light synthetic rubber on the basis of EPDM

features

- seawater-resistant, weather-resistant
- ageing and ozone resistant
- temperature range from -40 °C up to +100 °C
- minimum friction loss because of very smooth inner lining
- light and flexible
- minimum maintenance
- PU-coating on request

special options

- other diameters
- maximum lengths up to 500 m
- individual stencilling (e. g. Company-logo or -name)
- all international couplings standards

Syntex Universal



diameter		bursting pressure		working pressure		weight
in mm	in inch	in bar	in psi	in bar	in psi	in g
38	1 1/2	60	870	15	220	300
52 (C)	2	60	870	15	220	385
65	2 1/2	60	870	15	220	500
75 (B)	3	60	870	15	220	680
90	3 1/2	40	580	12	175	850
102 (A)	4	35	580	12	175	995
110 (A)	4 1/3	30	580	12	175	1.100
150 (F)	6	30	580	12	175	1.665

applications

- marine and offshore
- industry
- refineries
- agriculture

construction

- 100 % high tenacity polyester yarn, circular-woven (reinforcement)
- embedded in a high-quality, special synthetic rubber on the basis of Nitrile/PVC

features

- absolute tough, durable and very abrasion resistant
- resistance to oil, petrol and a wide range of chemicals
- temperature range from -40 °C up to +100 °C
- resistance to UV and ozone
- low elongation and very low friction loss
- excellent adhesion between rubber and textile
- no cleaning or drying required

- easy to repair
- colour: black
- heavy duty hose

special options

- other diameters
- maximum lengths up to 120 m
- individual stencilling (e. g. Company-logo or -name)
- all international couplings standards

Syntex Universal-Air



diameter		bursting pressure		working pressure		weight
in mm	in inch	in bar	in psi	in bar	in psi	in g
19	3/4	70	1.015	20	290	190
25	1	65	940	20	290	215
27	1	65	940	20	290	225
32	1 1/4	65	940	20	290	265
38	1 1/2	60	870	20	290	300

applications

- compressors
- marine and offshore
- industry
- refineries

construction

- 100 % high tenacity polyester yarn, circular-woven (reinforcement)
- embedded in a high-quality, special synthetic rubber on the basis of Nitrile/PVC
- extruded through the polyester weave

features

- absolute tough, durable and very abrasion resistant
- resistance to oil, petrol and a wide range of chemicals
- temperature range from -40 °C up to +100 °C
- resistance to UV and ozone
- low elongation and very low friction loss
- excellent adhesion between rubber and textile
- no cleaning or drying required

- easy to repair
- colour: black or yellow (other colours on request)
- high pressure hose

special options

- maximum lengths up to 120 m
- individual stencilling (e. g. company-logo or -name)
- banded with compressed-aircouplings

Syntex Petrol



diameter		bursting pressure		working pressure		weight
in mm	in inch	in bar	in psi	in bar	in psi	in g
25 (D)	1	60	870	16	235	145
42 (C)	1 2/3	60	870	16	235	235
52 (C)	2	60	870	16	235	285
75 (B)	3	60	870	16	235	490
110 (A)	4 1/3	35	510	12	175	820

other diameter on request

applications

- municipal fire brigades
- industrial fire brigades
- refineries
- irrigation

construction

- 100 % high tenacity polyester yarn
- circular-woven twill weave, warp threads multiple twisted in special construction
- high-quality, electrically conducting rubber on the basis of EPDM

- with 3 incorporated copper strands
- outside black PU-coated

features

- electrically conductivity <math>< 10^6 \Omega</math> at 100 V (from coupling to coupling)
- special hose with the features of a DIN fire fighting hose
- for firefighting at explosion-prone locations
- oil-resistant
- flame- and abrasion-resistant
- suitable as powder-extinguisher-hose
- minimum maintenance

special options

- other diameters
- maximum lengths up to 500 m
- individual stencilling (e. g. Company-logo or -name)
- all international couplings standards



diameter		bursting pressure		working pressure		weight	theoretical tensile strength
in mm	in inch	in bar	in psi	in bar	in psi	in g	in kg
52 (C)	2	50	725	25	365	560	4.500
65	2 1/2	50	725	25	365	825	6.300
75 (B)	3	50	725	25	365	1.100	9.300
90	3 1/2	40	580	20	290	1.300	11.000
102 (A)	4	40	580	20	290	1.550	12.300
110 (A)	4 1/3	40	580	15	220	1.600	12.800
127	5	30	435	15	220	1.950	15.200
150 (F)	6	30	435	15	220	2.200	17.900
205	8	30	435	10	145	2.400	19.800

All data refer to 3,5 mm wall thickness!

applications

- agriculture, irrigation
- slurry tubing
- building industry

construction

- 100 % high tenacity polyester yarn, circular-woven (reinforcement)
- embedded in a high-quality, special synthetic rubber on the basis of Nitrile/PVC
- extruded through the polyester weave
- colours: black & yellow

features

- extreme abrasion resistant
- slurry consistent
- excellent tensile strength
- resistance to UV and ozone
- low elongation and very low friction loss
- temperature range from -40 °C up to +100 °C
- no cleaning or drying required
- suitable for extreme stress
- easy to repair

special options

- individual stencilling (e.g. company-logo or -name)
- available in different wall thicknesses
- other diameters on request
- banded with usual couplings systems

Syntex PU



diameter		bursting pressure		working pressure		weight	max. theoretical tear strength*
in mm	in inch	in bar	in psi	in bar	in psi	in g	in kg
52 (C)	2	60	870	20	290	520	4.950
75 (B)	3	60	870	20	290	760	7.850
90	3 1/2	40	580	15	220	980	8.950
102 (A)	4	40	580	15	220	1.180	10.100
127	5	30	435	10	145	1.450	11.850
152 (F)	6	30	435	10	145	1.700	14.900
203	8	25	365	10	145	2.150	18.250
254	10	20	290	7	105	2.900	22.500
305	12	15	220	5	75	3.600	36.500
356	14	12	175	4	60	5.500	40.500

* During a operation the work maximum tensile strength should not be more than 1/3 of the maximum tear strength.

applications

- agriculture, irrigation
- tubing, building industry
- refineries, mining

construction

- 100 % high tenacity polyester yarn, circular-woven
- special weaving design for ultra-high tensile strength
- totally embedded in a compound of thermoplastic polyurethane
- outside: very smooth for excellent flexibility

- high-quality thermoplastic polyurethane extruded through the polyester weave
- colour: black, others if requested

features

- excellent abrasion resistance and durability
- perfect protection against mechanical damage
- oil and chemical resistance
- good protection against ozone and UV
- low elongation and very low friction loss

- temperature range from -50 °C up to +80 °C
- excellent cold flexibility
- maintenance-free
- for heavy duty service under toughest conditions

special options

- individual stencilling (e. g. company-logo or -name)
- depending on diameter lengths up to 500 m
- resistance table and other technical data if requested

Syntex Aquaris



diameter		bursting pressure		working pressure		weight
in mm	in inch	in bar	in psi	in bar	in psi	in g
25 (D)	1	60	870	16	235	140
42 (C)	1 2/3	60	870	16	235	240
52 (C)	2	60	870	16	235	290
75 (B)	3	60	870	16	235	490
110 (A)	4 1/3	35	510	12	175	820

other diameter on request

applications

- for all freshwater delivery applications
- foodstuff industry
- public water supply
- filling of fresh water tanks

construction

- 100 % high tenacity polyester yarn
- circular-woven twill weave, warp threads multiple twisted in special construction
- high-quality, very light white synthetic rubber on the basis of EPDM

- tested and approved to the requirements of the German Health Board – KTW – for use with drinking water
- standard colour: white (uncoated)
- other colours: yellow, blue (with PU-coating)

features

- ageing and ozone resistant
- minimum friction loss because of very smooth inner lining
- temperature range from –40 °C up to +100 °C
- usable as drinkingwater and emergency care hose
- PU-coating on request

special options

- individual stencilling (e. g. company-logo or -name)
- all international couplings standards
- maximum lengths up to 500 m

approvals

- KTW-requirements category C

Syntex Suctionhose



diameter		length	bursting pressure		proof pressure		DIN-proof-no.
in mm	in inch	in m	in bar	in psi	in bar	in psi	
75 (B)	3	1,6	6	90	3	45	–
75 (B)	3	2,5	6	90	3	45	–
110 (A)	4 1/3	1,6	6	90	3	45	ZPC 50001
110 (A)	4 1/3	2,5	6	90	3	45	ZPC 50001

applications

- municipal fire brigades
- industry
- agriculture
- building industry
- cleaning industry

construction

- inside smooth SBR-lining (Styrol-Butadien-Kautschuk)
- steel helix for full vacuum
- high tensile textile cord (colour: black)
- supplied with soft ends

features

- resistant to weather and abrasion
- resistant to UV and ozone
- temperature range from –20 °C up to +60 °C
- resistant to waste- and seawater from 5 to 10 pH

special options

- available in lengths of 1,6 m and 2,5 m
- available with coupling handles (1)
- other diameters and lengths on request

approvals

- DIN EN ISO 14557

Syntex Cable Protector



diameter	wall thickness	weight	article-no.	article-no.
in mm	in mm	in g	30 m-length	40 m-length
26 * 1,5 mm	1,5	120	7010110003	7010110002
28 * 1,5 mm	1,5	130	7010130003	7010130002
30 * 1,5 mm	1,5	140	7010150003	7010150002
35 * 1,5 mm	1,5	155	7010230002	7010230003
40 * 1,5 mm	1,5	170	7010300003	7010300002
45 * 1,5 mm	1,5	220	7010350004	7010350005
52 * 1,5 mm	1,5	250	7010400003	7010400002
55 * 1,5 mm	1,5	260	7010430004	7010430002
58 * 1,5 mm	1,5	280	7010460003	7010460002
60 * 1,5 mm	1,5	290	7010500003	7010500002

applications

- focusing and isolation of cables and conductions
- vehicle construction
- engineering
- electrical industry

construction

- 100 % high tenacity polyester yarn
- in special construction circular-woven

- high-quality, very light synthetic rubber on the basis of EPDM outside
- colour: black

features

- penetration strength: >10.000 V
- temperature range from -40 °C up to +100 °C
- very good mechanical properties

- resistance to a wide range of aggressive mediums
- ozon- and UV-resistant
- weather resistant
- 100 % silicone-free

special options

- standard lengths: 30 m, 40 m
- other lengths and diameters possible

couplings, nozzles, repairset



german couplings
type storz, light alloy



german couplings
type storz, brass



british couplings
to BS 336



couplings according
Standard NFPA



french couplings
type DSP



japanese couplings
type Nakajima



couplings for
compressed air



couplings with
bindings Iconos



couplings with
segmented bindings



agriculture couplings
type Perrot



repair sleeves



protection sleeves



repairset



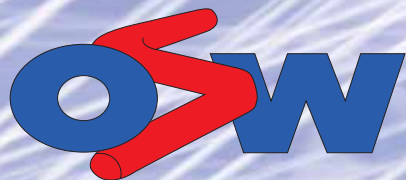
hose clamps



hose basket



nozzles



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