



hoses during vulcanizing process



twisting process of warp and weft

## Uncoated Single Jacket Fire Fighting Hose

**Syntex 500 (white plain) | Syntex Extra (white plain)  
Syntex Robust (white plain)**

This hose quality is in the diameters C/42 mm, C/52 mm and B/75 mm available in the performance levels:

**L1 – Performance Level 1 – Syntex 500 (white plain)**

**L2 – Performance Level 2 – Syntex Extra (white plain)**

**L3 – Performance Level 3 – Syntex Robust (white plain)**

The higher the performance level the higher the abrasion resistance of the hose.

### 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 and ozone and UV
- excellent abrasion resistance
- minimum friction loss because of very smooth inner lining
- suitable for sea water, hot water, many chemicals

### Approvals/Certificates

- DIN 14811:2008-01+A2:2014-08
- BS 6391:2009 Type 1
- M.E.D. 96/98/EC 
- ÖNORM F2105
- Germanischer Lloyd

Approvals or Certificates mailed to you on demand.



**Syntex 500  
(white plain)**

impact- and abrasion  
protection

## Technical Details

| Diameter<br>in Inch                                            | Diameter<br>in mm | Bursting Pressure<br>in bar | Bursting Pressure<br>in PSI | Working Pressure<br>in bar – 1:3 Safety | Working Pressure<br>in PSI – 1:3 Safety | Working Pressure<br>in bar – 1:4 Safety | Working Pressure<br>in PSI – 1:4 Safety | Weight<br>in g/m (+/- 5 %) | Weight<br>in lbs/ft (+/- 5 %) | Wall Thickness<br>in mm (+/- 0,2 mm) | Theoretical<br>Tensile Strength<br>in kg |
|----------------------------------------------------------------|-------------------|-----------------------------|-----------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|----------------------------|-------------------------------|--------------------------------------|------------------------------------------|
| <b>Uncoated Single Jacket Fire Fighting Hose (white plain)</b> |                   |                             |                             |                                         |                                         |                                         |                                         |                            |                               |                                      |                                          |
| 1 (Storz)                                                      | 25                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 130                        | 0,087                         | 1,50                                 | 2.300                                    |
| 1 (Geka)                                                       | 27                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 145                        | 0,097                         | 1,50                                 | 2.300                                    |
| 1 1/4                                                          | 32                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 165                        | 0,111                         | 1,50                                 | 2.600                                    |
| 1 1/2                                                          | 38                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 190                        | 0,128                         | 1,60                                 | 3.200                                    |
| 1 1/2                                                          | 40                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 210                        | 0,141                         | 1,60                                 | 3.200                                    |
| 1 2/3                                                          | 42                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 240                        | 0,161                         | 1,65                                 | 4.200                                    |
| 1 3/4                                                          | 45                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 235                        | 0,158                         | 1,60                                 | 3.800                                    |
| 2                                                              | 52                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 290                        | 0,195                         | 1,65                                 | 5.800                                    |
| 2 1/6                                                          | 55                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 285                        | 0,191                         | 1,65                                 | 4.600                                    |
| 2 1/2                                                          | 64                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 365                        | 0,245                         | 1,65                                 | 5.700                                    |
| 2 1/2                                                          | 65                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 370                        | 0,249                         | 1,65                                 | 5.700                                    |
| 2 1/2                                                          | 66                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 375                        | 0,252                         | 1,65                                 | 5.700                                    |
| 2 3/4                                                          | 70                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 395                        | 0,265                         | 1,65                                 | 6.800                                    |
| 3                                                              | 75                | 60 (DIN)                    | 870                         | 20                                      | 290                                     | 16 (DIN)                                | 235                                     | 475                        | 0,319                         | 1,75                                 | 8.600                                    |
| 3 1/2                                                          | 90                | 35 (DIN)                    | 510                         | 12 (DIN)                                | 175                                     | 8                                       | 115                                     | 580                        | 0,390                         | 1,95                                 | 9.100                                    |
| 4                                                              | 102               | 35 (DIN)                    | 510                         | 12 (DIN)                                | 175                                     | 8                                       | 115                                     | 660                        | 0,443                         | 1,95                                 | 9.500                                    |
| 4 1/3                                                          | 110               | 35 (DIN)                    | 510                         | 12 (DIN)                                | 175                                     | 8                                       | 115                                     | 780                        | 0,524                         | 1,95                                 | 11.700                                   |
| 5                                                              | 125               | 35 (DIN)                    | 510                         | 12 (DIN)                                | 175                                     | 8                                       | 115                                     | 870                        | 0,585                         | 2,10                                 | 12.800                                   |
| 6 (Storz)                                                      | 150               | 35 (DIN)                    | 510                         | 12 (DIN)                                | 175                                     | 8                                       | 115                                     | 950                        | 0,638                         | 2,10                                 | 12.800                                   |
| 6 (Perrot)                                                     | 154               | 35 (DIN)                    | 510                         | 12 (DIN)                                | 175                                     | 8                                       | 115                                     | 960                        | 0,645                         | 2,10                                 | 12.800                                   |
| 8                                                              | 205               | 30                          | 435                         | 10                                      | 145                                     | 7                                       | 100                                     | 1.075                      | 0,722                         | 2,10                                 | 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 fire brigades, industry, marine, military, technical support