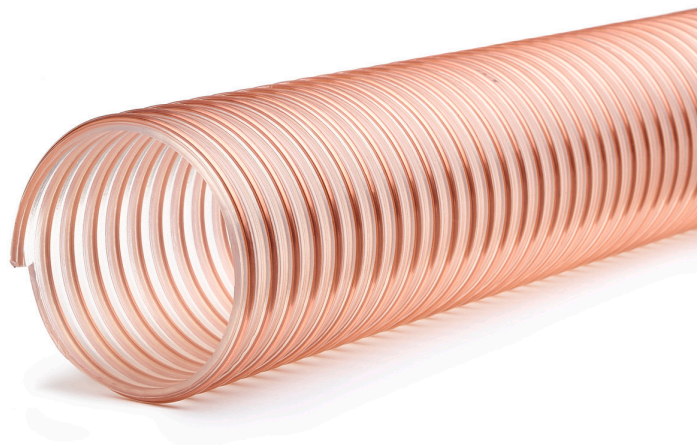


## SMARTFLEX® 2.0

Very heavy weight Polyurethane hose, flame retardant

|                     |                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | conveying of abrasive media, roof graveling, vacuum conveyor, gravel conveying, suction vehicles & dredgers                                                                                                                            |
| <b>Structure</b>    | Polyether-Polyurethane, transparent, steel wire / spring steel wire / not coated / copper plated                                                                                                                                       |
| <b>Temperature</b>  | -40°C up to 100°C, short term up to 125°C                                                                                                                                                                                              |
| <b>Properties</b>   | flame-retardant, permanently antistatic ( $R < 10^9$ Ohm), hydrolysis & microbe resistant, very smooth inside, corrugated outside                                                                                                      |
| <b>Norms</b>        | flame-retardant according to DIN 4102 / B1   TRBS 2153/TRGS 727, ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22)   discharge capability according to BGI 739-2 with spiral earthing   DIN 26057-4 |



| Inner Diameter (mm) | Outer Diameter (mm) | Wall Thickness (mm) | Bending Radius (mm) | Max. Operating Pressure (bar) | Vacuum Max. (bar) | Total Weight per Piece (kg) | Length (m) | Article Number       |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------------|
| 38                  | 50,00               | 2,00                | 100                 | 3,75                          | 0,95              | 7,48                        | 10         | 09200038-1000-000-00 |
| 38                  | 50,00               | 2,00                | 100                 | 3,75                          | 0,95              | 11,21                       | 15         | 09200038-1500-000-00 |
| 40                  | 52,00               | 2,00                | 100                 | 3,75                          | 0,95              | 8,30                        | 10         | 09200040-1000-000-00 |
| 40                  | 52,00               | 2,00                | 100                 | 3,75                          | 0,95              | 12,46                       | 15         | 09200040-1500-000-00 |
| 45                  | 57,00               | 2,00                | 105                 | 3,75                          | 0,95              | 8,66                        | 10         | 09200045-1000-000-00 |
| 51                  | 63,00               | 2,00                | 126                 | 3,19                          | 0,95              | 10,42                       | 10         | 09200051-1000-000-00 |
| 51                  | 63,00               | 2,00                | 126                 | 3,19                          | 0,95              | 15,63                       | 15         | 09200051-1500-000-00 |
| 60                  | 72,00               | 2,00                | 150                 | 2,80                          | 0,95              | 12,26                       | 10         | 09200060-1000-000-00 |
| 60                  | 72,00               | 2,00                | 150                 | 2,80                          | 0,95              | 18,39                       | 15         | 09200060-1500-000-00 |
| 65                  | 77,00               | 2,00                | 165                 | 2,60                          | 0,95              | 13,25                       | 10         | 09200065-1000-000-00 |
| 65                  | 77,00               | 2,00                | 165                 | 2,60                          | 0,95              | 19,87                       | 15         | 09200065-1500-000-00 |
| 70                  | 82,00               | 2,00                | 170                 | 2,50                          | 0,95              | 12,89                       | 10         | 09200070-1000-000-00 |
| 70                  | 82,00               | 2,00                | 170                 | 2,50                          | 0,95              | 19,33                       | 15         | 09200070-1500-000-00 |
| 76                  | 88,00               | 2,00                | 190                 | 2,25                          | 0,95              | 20,85                       | 15         | 09200076-1500-000-00 |
| 76                  | 88,00               | 2,00                | 190                 | 2,25                          | 0,95              | 13,90                       | 10         | 09200076-1000-000-00 |
| 80                  | 93,00               | 2,00                | 200                 | 2,09                          | 0,95              | 14,63                       | 10         | 09200080-1000-000-00 |
| 80                  | 93,00               | 2,00                | 200                 | 2,09                          | 0,95              | 21,94                       | 15         | 09200080-1500-000-00 |
| 90                  | 103,00              | 2,00                | 220                 | 1,95                          | 0,95              | 16,32                       | 10         | 09200090-1000-000-00 |
| 90                  | 103,00              | 2,00                | 220                 | 1,95                          | 0,95              | 24,48                       | 15         | 09200090-1500-000-00 |
| 102                 | 115,00              | 2,00                | 290                 | 1,90                          | 0,95              | 18,35                       | 10         | 09200102-1000-000-00 |
| 102                 | 115,00              | 2,00                | 290                 | 1,90                          | 0,95              | 27,53                       | 15         | 09200102-1500-000-00 |
| 110                 | 123,00              | 2,00                | 305                 | 1,80                          | 0,90              | 19,71                       | 10         | 09200110-1000-000-00 |

| Inner Diameter (mm) | Outer Diameter (mm) | Wall Thickness (mm) | Bending Radius (mm) | Max. Operating Pressure (bar) | Vacuum Max. (bar) | Total Weight per Piece (kg) | Length (m) | Article Number       |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------------|
| 110                 | 123,00              | 2,00                | 305                 | 1,80                          | 0,90              | 29,56                       | 15         | 09200110-1500-000-00 |
| 115                 | 128,00              | 2,00                | 320                 | 1,60                          | 0,90              | 20,55                       | 10         | 09200115-1000-000-00 |
| 115                 | 128,00              | 2,00                | 320                 | 1,60                          | 0,90              | 30,83                       | 15         | 09200115-1500-000-00 |
| 120                 | 133,00              | 2,00                | 350                 | 1,55                          | 0,90              | 21,38                       | 10         | 09200120-1000-000-00 |
| 120                 | 133,00              | 2,00                | 350                 | 1,55                          | 0,90              | 32,07                       | 15         | 09200120-1500-000-00 |
| 127                 | 140,00              | 2,00                | 358                 | 1,45                          | 0,85              | 26,16                       | 10         | 09200127-1000-000-00 |
| 127                 | 140,00              | 2,00                | 358                 | 1,45                          | 0,85              | 39,25                       | 15         | 09200127-1500-000-00 |
| 130                 | 140,00              | 2,00                | 365                 | 1,30                          | 0,80              | 26,75                       | 10         | 09200130-1000-000-00 |
| 140                 | 153,00              | 2,00                | 442                 | 1,30                          | 0,80              | 28,71                       | 10         | 09200140-1000-000-00 |
| 140                 | 153,00              | 2,00                | 442                 | 1,30                          | 0,80              | 43,07                       | 15         | 09200140-1500-000-00 |
| 152                 | 165,00              | 2,00                | 462                 | 1,35                          | 0,75              | 26,88                       | 10         | 09200152-1000-000-00 |
| 152                 | 165,00              | 2,00                | 462                 | 1,35                          | 0,75              | 40,33                       | 15         | 09200152-1500-000-00 |
| 160                 | 173,00              | 2,00                | 680                 | 1,25                          | 0,70              | 28,24                       | 10         | 09200160-1000-000-00 |
| 180                 | 193,00              | 2,00                | 750                 | 1,10                          | 0,65              | 31,63                       | 10         | 09200180-1000-000-00 |
| 200                 | 213,00              | 2,00                | 900                 | 1,04                          | 0,60              | 35,01                       | 10         | 09200200-1000-000-00 |
| 250                 | 263,00              | 2,00                | 1.300               | 0,63                          | 0,40              | 43,48                       | 10         | 09200250-1000-000-00 |