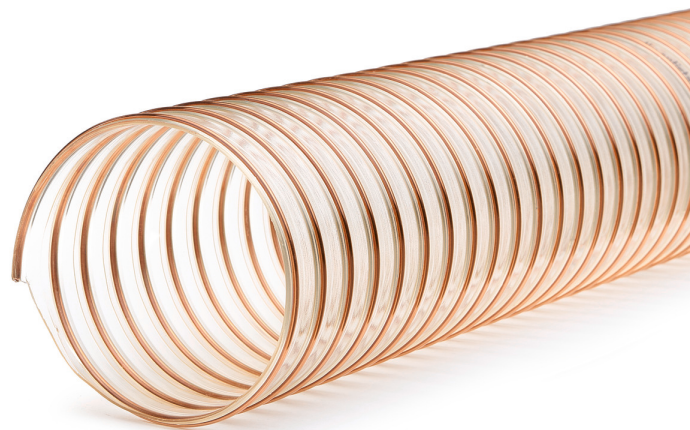


# SMARTFLEX PU 1

Medium weight and flexible spiral hose made of Polyurethane, flame retardant

|                     |                                                                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | wood dust extraction, sawing & milling, grass extraction, leaf extraction, conveying of abrasive media                                                                                                                   |
| <b>Structure</b>    | TPU / 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 ( $R < 10^9 \text{ Ohm}$ ), hydrolysis & microbe resistant, good flexibility, 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 |



| 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 |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------|
| 25                  | 31,00               | 1,00                | 21                  | 1,96                          | 0,55              | 3,37                        | 10         | ND53702500K    |
| 25                  | 31,00               | 1,00                | 21                  | 1,96                          | 0,55              | 5,05                        | 15         | ND53702500M    |
| 30                  | 36,00               | 1,00                | 26                  | 1,96                          | 0,55              | 3,37                        | 10         | ND53703000K    |
| 32                  | 38,00               | 1,00                | 28                  | 1,80                          | 0,50              | 3,37                        | 10         | ND53703200K    |
| 32                  | 38,00               | 1,00                | 28                  | 1,80                          | 0,50              | 5,05                        | 15         | ND53703200M    |
| 38                  | 44,00               | 1,00                | 32                  | 1,69                          | 0,45              | 3,37                        | 10         | ND53703800K    |
| 38                  | 44,00               | 1,00                | 32                  | 1,69                          | 0,45              | 5,05                        | 15         | ND53703800M    |
| 40                  | 47,00               | 1,00                | 34                  | 1,69                          | 0,45              | 3,37                        | 10         | ND53704000K    |
| 40                  | 47,00               | 1,00                | 34                  | 1,69                          | 0,45              | 5,05                        | 15         | ND53704000M    |
| 50                  | 57,00               | 1,00                | 43                  | 1,32                          | 0,40              | 6,26                        | 15         | ND53705000M    |
| 50                  | 57,00               | 1,00                | 43                  | 1,32                          | 0,40              | 4,17                        | 10         | ND53705000K    |
| 60                  | 67,00               | 1,00                | 51                  | 1,27                          | 0,35              | 4,97                        | 10         | ND53706000K    |
| 60                  | 67,00               | 1,00                | 51                  | 1,27                          | 0,35              | 7,46                        | 15         | ND53706000M    |
| 65                  | 72,00               | 1,00                | 56                  | 1,25                          | 0,34              | 5,37                        | 10         | ND53706500K    |
| 65                  | 72,00               | 1,00                | 56                  | 1,25                          | 0,34              | 8,06                        | 15         | ND53706500M    |
| 70                  | 77,00               | 1,00                | 59                  | 1,20                          | 0,32              | 5,77                        | 10         | ND53707000K    |
| 70                  | 77,00               | 1,00                | 59                  | 1,20                          | 0,32              | 8,66                        | 15         | ND53707000M    |
| 76                  | 83,00               | 1,00                | 65                  | 1,10                          | 0,30              | 6,26                        | 10         | ND53707600K    |
| 76                  | 83,00               | 1,00                | 65                  | 1,10                          | 0,30              | 9,38                        | 15         | ND53707600M    |
| 80                  | 87,00               | 1,00                | 68                  | 1,05                          | 0,25              | 7,40                        | 10         | ND53708000K    |
| 80                  | 87,00               | 1,00                | 68                  | 1,05                          | 0,25              | 11,09                       | 15         | ND53708000M    |
| 90                  | 97,00               | 1,00                | 77                  | 0,85                          | 0,25              | 8,30                        | 10         | ND53709000K    |

| 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 |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------|
| 90                  | 97,00               | 1,00                | 77                  | 0,85                          | 0,25              | 12,45                       | 15         | ND53709000M    |
| 100                 | 107,00              | 1,00                | 85                  | 0,70                          | 0,23              | 9,20                        | 10         | ND53710000K    |
| 100                 | 107,00              | 1,00                | 85                  | 0,70                          | 0,23              | 13,80                       | 15         | ND53710000M    |
| 110                 | 117,00              | 1,00                | 94                  | 0,65                          | 0,20              | 10,10                       | 10         | ND53711000K    |
| 110                 | 117,00              | 1,00                | 94                  | 0,65                          | 0,20              | 15,15                       | 15         | ND53711000M    |
| 120                 | 128,00              | 1,00                | 102                 | 0,65                          | 0,20              | 10,04                       | 10         | ND53712000K    |
| 120                 | 128,00              | 1,00                | 102                 | 0,65                          | 0,20              | 15,07                       | 15         | ND53712000M    |
| 125                 | 133,00              | 1,00                | 106                 | 0,55                          | 0,20              | 10,45                       | 10         | ND53712500K    |
| 125                 | 133,00              | 1,00                | 106                 | 0,55                          | 0,20              | 15,67                       | 15         | ND53712500M    |
| 140                 | 148,00              | 1,00                | 119                 | 0,55                          | 0,15              | 11,66                       | 10         | ND53714000K    |
| 140                 | 148,00              | 1,00                | 119                 | 0,55                          | 0,15              | 17,49                       | 15         | ND53714000M    |
| 150                 | 158,00              | 1,00                | 128                 | 0,45                          | 0,15              | 12,47                       | 10         | ND53715000K    |
| 150                 | 158,00              | 1,00                | 128                 | 0,45                          | 0,15              | 18,70                       | 15         | ND53715000M    |
| 160                 | 168,00              | 1,00                | 136                 | 0,40                          | 0,15              | 13,28                       | 10         | ND53716000K    |
| 160                 | 168,00              | 1,00                | 136                 | 0,40                          | 0,15              | 19,92                       | 15         | ND53716000M    |
| 180                 | 188,00              | 1,00                | 153                 | 0,35                          | 0,12              | 14,89                       | 10         | ND53718000K    |
| 180                 | 188,00              | 1,00                | 153                 | 0,35                          | 0,12              | 22,34                       | 15         | ND53718000M    |
| 200                 | 208,00              | 1,00                | 170                 | 0,30                          | 0,11              | 20,25                       | 10         | ND53720000K    |
| 200                 | 208,00              | 1,00                | 170                 | 0,30                          | 0,11              | 30,37                       | 15         | ND53720000M    |
| 250                 | 258,00              | 1,00                | 213                 | 0,25                          | 0,08              | 37,89                       | 15         | ND53725000M    |
| 250                 | 258,00              | 1,00                | 213                 | 0,25                          | 0,08              | 25,26                       | 10         | ND53725000K    |
| 300                 | 308,00              | 1,00                | 255                 | 0,20                          | 0,07              | 30,27                       | 10         | ND53730000K    |
| 350                 | 359,00              | 1,00                | 298                 | 0,18                          | 0,06              | 40,33                       | 10         | ND53735000K    |
| 400                 | 409,00              | 1,00                | 340                 | 0,14                          | 0,06              | 23,00                       | 5          | ND53740000E    |
| 400                 | 409,00              | 1,00                | 340                 | 0,14                          | 0,06              | 46,01                       | 10         | ND53740000K    |
| 450                 | 459,00              | 1,00                | 390                 | 0,12                          | 0,05              | 25,85                       | 5          | ND53745000E    |
| 450                 | 459,00              | 1,00                | 390                 | 0,12                          | 0,05              | 51,69                       | 10         | ND53745000K    |
| 500                 | 509,00              | 1,00                | 440                 | 0,10                          | 0,03              | 28,69                       | 5          | ND53750000E    |
| 500                 | 509,00              | 1,00                | 440                 | 0,10                          | 0,03              | 57,37                       | 10         | ND53750000K    |