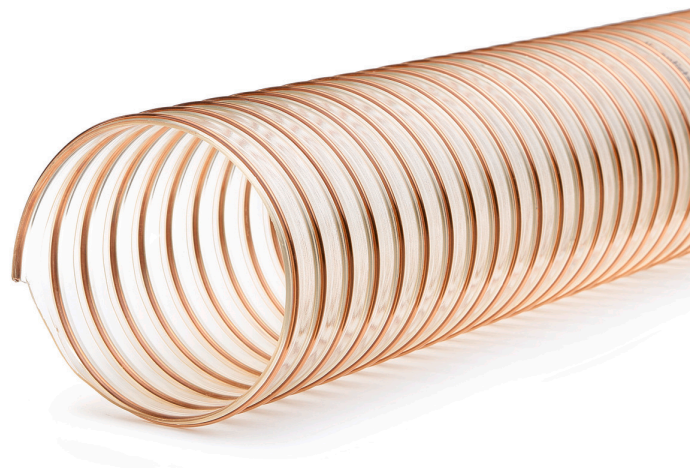


SMARTFLEX PU 1

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

| | |
|---------------------|--|
| Applications | wood dust extraction, sawing & milling, grass extraction, leaf extraction, conveying of abrasive media |
| Structure | TPU / Polyether-Polyurethane, transparent, steel wire / spring steel wire / not coated / copper plated |
| Temperature | -40°C up to 100°C, short term up to 125°C |
| Properties | flame-retardant, permanently antistatic ($R < 10^9$ Ohm), hydrolysis & microbe resistant, good flexibility, very smooth inside, corrugated outside |
| Norms | 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 | 5,05 | 15 | ND53704000M |
| 40 | 47,00 | 1,00 | 34 | 1,69 | 0,45 | 3,37 | 10 | ND53704000K |
| 50 | 57,00 | 1,00 | 43 | 1,32 | 0,40 | 4,17 | 10 | ND53705000K |
| 50 | 57,00 | 1,00 | 43 | 1,32 | 0,40 | 6,26 | 15 | ND53705000M |
| 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 | 30,37 | 15 | ND53720000M |
| 200 | 208,00 | 1,00 | 170 | 0,30 | 0,11 | 20,25 | 10 | ND53720000K |
| 250 | 258,00 | 1,00 | 213 | 0,25 | 0,08 | 25,26 | 10 | ND53725000K |
| 250 | 258,00 | 1,00 | 213 | 0,25 | 0,08 | 37,89 | 15 | ND53725000M |
| 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 |