

## S 5 PUR S EL

Medium weight and flexible spiral hose made of Polyurethane, electrically conductive

|                     |                                                                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | conveying of abrasive media, conveying technology, extraction systems, rail vehicles                                                                                |
| <b>Structure</b>    | Polyether-Polyurethane, black / jet black (similar RAL 9005), opaque, steel wire / spring steel wire / coated / PVC                                                 |
| <b>Temperature</b>  | -40°C up to 90°C                                                                                                                                                    |
| <b>Properties</b>   | good flexibility, electrically conductive ( $R \leq 10^3 \text{ Ohm}$ ), very good abrasion resistance, good tensile strength, hydrolysis & microbe resistant       |
| <b>Norms</b>        | TRBS 2153/TRGS 727, ATEX 2014/34/EU / aspiration (no zone or inside: zone 22), ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22) |



| 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 |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------|
| 51                  | 58,00               | 0,80                | 77                  | 1,70                          | 0,38              | 0,00                        | 10         | ND53305150K    |
| 51                  | 58,00               | 0,80                | 77                  | 1,70                          | 0,38              | 0,00                        | 15         | ND53305150M    |
| 60                  | 67,00               | 0,80                | 90                  | 1,60                          | 0,35              | 5,77                        | 10         | ND53306050K    |
| 60                  | 67,00               | 0,80                | 90                  | 1,60                          | 0,35              | 8,66                        | 15         | ND53306050M    |
| 65                  | 72,00               | 0,80                | 98                  | 1,45                          | 0,32              | 6,23                        | 10         | ND53306550K    |
| 65                  | 72,00               | 0,80                | 98                  | 1,45                          | 0,32              | 9,35                        | 15         | ND53306550M    |
| 70                  | 77,00               | 0,80                | 105                 | 1,30                          | 0,30              | 6,69                        | 10         | ND53307050K    |
| 70                  | 77,00               | 0,80                | 105                 | 1,30                          | 0,30              | 10,04                       | 15         | ND53307050M    |
| 76                  | 83,00               | 0,80                | 114                 | 1,20                          | 0,30              | 7,25                        | 10         | ND53307650K    |
| 76                  | 83,00               | 0,80                | 114                 | 1,20                          | 0,30              | 10,87                       | 15         | ND53307650M    |
| 80                  | 87,00               | 0,80                | 120                 | 1,20                          | 0,30              | 7,62                        | 10         | ND53308000K    |
| 80                  | 87,00               | 0,80                | 120                 | 1,20                          | 0,30              | 11,43                       | 15         | ND53308000M    |
| 90                  | 97,00               | 0,80                | 135                 | 1,10                          | 0,28              | 0,00                        | 10         | ND53309000K    |
| 90                  | 97,00               | 0,80                | 135                 | 1,10                          | 0,28              | 0,00                        | 15         | ND53309000M    |
| 102                 | 110,00              | 1,00                | 153                 | 1,00                          | 0,25              | 10,47                       | 10         | ND53310250K    |
| 102                 | 110,00              | 1,00                | 153                 | 1,00                          | 0,25              | 15,71                       | 15         | ND53310250M    |
| 125                 | 133,00              | 1,00                | 188                 | 0,80                          | 0,20              | 12,77                       | 10         | ND53312550K    |
| 125                 | 133,00              | 1,00                | 188                 | 0,80                          | 0,20              | 19,16                       | 15         | ND53312550M    |
| 152                 | 161,00              | 1,00                | 227                 | 0,50                          | 0,18              | 0,00                        | 10         | ND53315250K    |
| 152                 | 161,00              | 1,00                | 227                 | 0,50                          | 0,18              | 0,00                        | 15         | ND53315250M    |
| 160                 | 169,00              | 1,00                | 240                 | 0,40                          | 0,16              | 25,14                       | 15         | ND53316050M    |
| 160                 | 169,00              | 1,00                | 240                 | 0,40                          | 0,16              | 16,76                       | 10         | ND53316050K    |

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|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------|
| 180                 | 189,00              | 1,00                | 270                 | 0,30                          | 0,15              | 18,78                       | 10         | ND53318050K    |
| 180                 | 189,00              | 1,00                | 270                 | 0,30                          | 0,15              | 28,17                       | 15         | ND53318050M    |
| 200                 | 209,00              | 1,00                | 315                 | 0,25                          | 0,13              | 20,80                       | 10         | ND53320050K    |
| 200                 | 209,00              | 1,00                | 315                 | 0,25                          | 0,13              | 31,20                       | 15         | ND53320050M    |
| 250                 | 263,00              | 1,00                | 375                 | 0,20                          | 0,12              | 30,87                       | 10         | ND53325050K    |