



BURflex

FLEXIBLE INDUSTRIAL HOSES

CATALOGUE 2019

www.burcugroup.com

ABOUT US

Currently based in İstanbul – TURKEY , **Burflex®** is a leading manufacturer of flexible spiral tpu & pvc hoses reinforced with a coated steel wire helix . We are using advanced plastics technology; extruded thermo-plastic duct and our hose products offer superior flexibility, high temperature, chemical and abrasion .

Our expanded range of innovative hose product is specialized for industrial applications – especially in high-heat, abrasive materials conveyance, wood working machines,dust collection, antistatic, vehicular exhaust source-capture, and chemical fumes environments.

Burflex® will keep to satisfy our customers by providing the most advanced technology to manufacture and sell high quality with an efficient customer service.

We invite you to take a look at our durable, long lasting products and we always welcome your inquiries.



SINCE 1998

COSTOMER LOYALTY
REPEAT BUSINESS



PROFESSIONAL FACTORY

ADVANCED EQUIPMENT
AND TECHNOLOGY



QUALITY CONTROL

IMPROVED SAFETY AND
MARKET POSITION



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HOSE FITTING ACCESSORIES



HEAVY DUTY POLYURETHANE HOSE

PU100

MATERIAL : ESTER BASED POLYURETHANE

SPIRAL : REINFORCED WITH A COPPER COATED STEEL WIRE HELIX

COLOR : TRANSPARENT (SPECIFIC COLORS CAN BE DONE)

SIZE RANGE : Ø 40 MM TO Ø 400 MM

WALL THICKNESS : 0.55 MM APPROX.

*(Customized thickness : 1mm - 1.5mm -2mm -3mm)

PROPERTIES

SUPERIOR ABRASION RESISTANCE
HIGH MECHANICAL STRENGTH
LONG SERVICE LIFE
CLEAR GLASS LIKE APPEARANCE FOR
VISUAL PRODUCT CONTROL
GOOD ELASTICITY
TEAR AND TENSILE RESISTANCE
CAPABLE OF ELECTROSTATIC DISCHARGE
BY GROUNDING THE SPIRAL



TECHNICAL DATA



| ID. Ø | | Weight | Vacuum | Coil Length |
|-------|------|--------|--------|-------------|
| Mm | Inch | Kg / m | Bar | Meter |
| 40 | | 0,40 | 0,40 | 10 |
| 50 | 2" | 0,45 | 0,30 | 10 |
| 60 | | 0,48 | 0,25 | 10 |
| 63 | 2.5" | 0,50 | 0,25 | 10 |
| 70 | 3" | 0,53 | 0,25 | 10 |
| 76 | | 0,55 | 0,2 | 10 |
| 80 | | 0,60 | 0,2 | 10 |
| 90 | | 0,65 | 0,18 | 10 |
| 102 | 4" | 0,70 | 0,18 | 10 |
| 110 | | 0,75 | 0,15 | 10 |
| 120 | | 0,85 | 0,15 | 10 |
| 127 | 5" | 0,95 | 0,10 | 10 |
| 130 | | 1,0 | 0,10 | 10 |
| 140 | | 1,10 | 0,08 | 10 |
| 152 | 6" | 1,15 | 0,08 | 10 |
| 160 | | 1,20 | 0,07 | 10 |
| 175 | | 1,35 | 0,07 | 10 |
| 203 | 8" | 1,45 | 0,05 | 10 |
| 225 | | 1,50 | 0,05 | 10 |
| 250 | 10" | 1,70 | 0,04 | 10 |
| 275 | | 1,60 | 0,04 | 10 |
| 305 | 12" | 1,80 | 0,03 | 10 |
| 350 | 14" | 2,00 | 0,02 | 10 |
| 400 | 16" | 2,30 | 0,01 | 10 |

APPLICATIONS

ESPECIALLY DESIGNED FOR WOODWORKING ,
FURNITURE AND CHEMICAL INDUSTRY

SHAVING AND ABRASIVE SOLID EXTRACTION IN
WOOD PROCESS

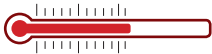
SUCTION AND TRANSPORTATION OF SOLID MATERIALS

LEAF COLLECTING

FOR CNC MACHINING AREA ROUTERS, MOLDERS,
PLANERS, TABLE SAWS, SANDERS, CLOSED LOOP
TRANSFER SYSTEMS



-20 °C / +90 °C



MEDIUM DUTY POLYURETHANE HOSE

PU70

MATERIAL : ESTER BASED POLYURETHANE

SPIRAL : REINFORCED WITH A COPPER COATED STEEL WIRE HELIX

COLOR : TRANSPARENT (SPECIFIC COLORS CAN BE DONE)

SIZE RANGE : Ø 40 MM TO Ø 400 MM

WALL THICKNESS : 0.45 MM APPROX.



PROPERTIES

VERY FLEXIBLE
GOOD ABASION RESISTANCE TO CHEMICAL AGENTS
EXCELLENT TEAR RESISTANCE
ELECTRICALLY CONDUCTIVE BY GROUNDING
CONDUCTIVE COPPER WIRE
CLEAR MATERIAL HELPS YOU SEE CLEARLY
INSIDE TO SPOT ANY KIND OF OBSTRUCTION
PU MATERIAL HAS LONGER LIFESPAN,
WHICH IS MUCH MORE DURABLE THAN PVC

TECHNICAL DATA

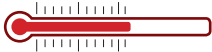


| ID. Ø | | Weight | Vacuum | Coil Lenght |
|-------|------|--------|--------|-------------|
| Mm | Inch | Kg / m | Bar | Meter |
| 40 | | 0,25 | 0,30 | 10 |
| 50 | 2" | 0,35 | 0,26 | 10 |
| 60 | | 0,40 | 0,20 | 10 |
| 63 | 2.5" | 0,45 | 0,19 | 10 |
| 70 | 3" | 0,48 | 0,19 | 10 |
| 76 | | 0,53 | 0,15 | 10 |
| 80 | | 0,55 | 0,15 | 10 |
| 90 | | 0,57 | 0,14 | 10 |
| 102 | 4" | 0,60 | 0,10 | 10 |
| 110 | | 0,65 | 0,09 | 10 |
| 120 | | 0,70 | 0,09 | 10 |
| 127 | 5" | 0,75 | 0,07 | 10 |
| 130 | | 0,80 | 0,07 | 10 |
| 140 | | 0,85 | 0,06 | 10 |
| 152 | 6" | 0,90 | 0,055 | 10 |
| 160 | | 1 | 0,050 | 10 |
| 175 | | 1,15 | 0,040 | 10 |
| 203 | 8" | 1,30 | 0,040 | 10 |
| 225 | | 1,40 | 0,030 | 10 |
| 250 | 10" | 1,50 | 0,02 | 10 |
| 275 | | 1,60 | 0,01 | 10 |
| 305 | 12" | 1,75 | 0,01 | 10 |
| 350 | 14" | 1,90 | 0,01 | 10 |
| 400 | 16" | 2,00 | 0,01 | 10 |

APPLICATIONS

IDEALLY SUITED FOR CNC MACHINES IN
HORIZONTAL AND VERTICAL MOVEMENT
SUCTION AND TRANSPORTATION OF ABRASIVE
MATERIALS IN A WIDE RANGE OF INDUSTRIES
PERFECT FOR WOOD WORKING MACHINES
MATERIAL HANDLING IN WOODWORKING INDUSTRY

-20 °C / +90 °C



LIGHT DUTY POLYURETHANE HOSE

PU60

MATERIAL : ESTER BASED POLYURETHANE

SPIRAL : REINFORCED WITH A COPPER COATED STEEL WIRE HELIX

COLOR : TRANSPARENT (SPECIFIC COLORS CAN BE DONE)

SIZE RANGE : Ø 50 MM TO Ø 300 MM

WALL THICKNESS : 0.40 MM APRROX.



PROPERTIES

PERFECT FOR MOVING MACHINES
SUPER-LIGHT WEIGHT AND
FLEXIBLE CONSTRUCTION
EXCELLENT ELASTICITY
HIGHLY COMPRESSIBLE
CONDUCTIVE BY GROUNDING WIRE
TRANSPARENT COLOR ALLOWS
OPERATORS TO SEE CLOGS

TECHNICAL DATA



| ID. Ø | | Weight | Vacuum | Coil Lenght |
|-------|------|--------|--------|-------------|
| Mm | Inch | Kg /m | Bar | Meter |
| 50 | 2" | 0,30 | 0,19 | 10 |
| 60 | | 0,33 | 0,16 | 10 |
| 63 | 2.5" | 0,35 | 0,15 | 10 |
| 70 | | 0,40 | 0,13 | 10 |
| 76 | 3" | 0,43 | 0,12 | 10 |
| 80 | | 0,45 | 0,10 | 10 |
| 90 | | 0,48 | 0,09 | 10 |
| 102 | 4" | 0,50 | 0,08 | 10 |
| 110 | | 0,52 | 0,08 | 10 |
| 120 | | 0,55 | 0,07 | 10 |
| 127 | 5" | 0,60 | 0,07 | 10 |
| 130 | | 0,65 | 0,06 | 10 |
| 140 | | 0,70 | 0,05 | 10 |
| 152 | 6" | 0,75 | 0,05 | 10 |
| 160 | | 0,80 | 0,05 | 10 |
| 175 | | 0,90 | 0,04 | 10 |
| 180 | | 0,95 | 0,04 | 10 |
| 203 | 8" | 1,05 | 0,03 | 10 |
| 225 | | 1,30 | 0,03 | 10 |
| 250 | 10" | 1,35 | 0,03 | 10 |
| 275 | | 1,45 | 0,02 | 10 |
| 305 | 12" | 1,60 | 0,02 | 10 |

APPLICATIONS

DUST AND FUME EXTRACTION

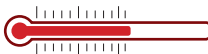
ESPECIALLY SUITABLE FOR SUCTION OF SAWDUST
AND SMALL PARTICLES SUCH AS POWDERS
AND FIBRES

DUST COLLECTION AND VENTILATION SYSTEMS

WOOD INDUSTRY



-20 °C / +90 °C



SUPERFLEX



MATERIAL : HIGH GRADE SOFT PVC

SPIRAL : REINFORCED WITH A COPPER WIRE

COLOR : GREY

SIZE RANGE : Ø 40 MM TO Ø 400 MM

WALL THICKNESS : 0,55 MM APPROX.

PROPERTIES

HIGHLY FLEXIBLE AND COMPRESSIBLE

COST EFFECTIVE STOCKING AND TRANSPORT

STATIC LOADS CAN BE DISCHARGED
BY GROUNDING SPIRAL

TECHNICAL DATA



| ID. Ø | Weight | Vacuum | Coil Lenght |
|-------|--------|--------|-------------|
|-------|--------|--------|-------------|

| Mm | Inch | Kg / m | Bar | Meter |
|-----|------|--------|-------|-------|
| 40 | | 0,32 | 0,03 | 12 |
| 50 | | 0,35 | 0,03 | 12 |
| 60 | 2" | 0,40 | 0,25 | 12 |
| 63 | | 0,45 | 0,25 | 12 |
| 70 | 2.5" | 0,50 | 0,25 | 12 |
| 76 | | 0,55 | 0,25 | 12 |
| 80 | 3" | 0,60 | 0,25 | 12 |
| 90 | | 0,68 | 0,25 | 12 |
| 102 | | 0,72 | 0,32 | 12 |
| 110 | 4" | 0,75 | 0,275 | 12 |
| 120 | | 0,80 | 0,25 | 12 |
| 127 | | 0,85 | 0,24 | 12 |
| 130 | | 0,90 | 0,23 | 12 |
| 140 | 5" | 0,95 | 0,22 | 12 |
| 152 | | 1,00 | 0,205 | 12 |
| 160 | 6" | 1,10 | 0,19 | 12 |
| 175 | | 1,15 | 0,18 | 12 |
| 203 | 8" | 1,35 | 0,17 | 12 |
| 225 | | 1,50 | 0,145 | 12 |
| 250 | 10" | 1,80 | 0,130 | 12 |
| 275 | | 1,90 | 0,115 | 12 |
| 305 | 12" | 2,00 | 0,105 | 12 |
| 350 | 14" | 2,15 | 0,1 | 12 |
| 400 | 16" | 2,25 | 0,1 | 12 |

APPLICATIONS

SOFT MATERIAL HANDLING

SUITABLE FOR CONVEYING OF DUST AND
LIGHT MATERIALS UNDER LOW PRESSURE

SUCTIONS AND TRANSPORTATION OF GRANULES

FILTER AND VENTILATION SYSTEMS

FOR INDUSTRIAL AIR MOVEMENT

+4 °C / +60 °C



CLEARFLEX

- MATERIAL : SHOCK RESISTANT PVC
- SPIRAL : REINFORCED WITH A COATED STEEL SPRING WHITE HELIX
- COLOR : CLEAR / TRANSPARENT WHITE
- SIZE RANGE : Ø 50 MM TO Ø 200 MM
- WALL THICKNESS : 0.60 MM APPROX.

PROPERTIES

- SMALL BENDING RADIUS
- TRANSPARENT COLOR ALLOWS VIEWING OF SUBSTANCE BEING HANDLED
- SMOOTH INTERIOR
- SUPERIOR FLOW
- SHOCK RESISTANT PVC SPIRAL
- ANTI-STATIC BY BONDING THE WIRE



TECHNICAL DATA



| ID. Ø | | Weight | Vacuum | Coil Length |
|-------|------|--------|--------|-------------|
| Mm | Inch | Kg / m | Bar | Meter |
| 50 | 2" | 0,43 | 0,18 | 12 |
| 60 | | 0,46 | 0,18 | 12 |
| 63 | 2.5" | 0,53 | 0,15 | 12 |
| 70 | 3" | 0,59 | 0,14 | 12 |
| 76 | | 0,621 | 0,14 | 12 |
| 80 | | 0,672 | 0,10 | 12 |
| 90 | | 0,736 | 0,09 | 12 |
| 102 | 4" | 0,793 | 0,08 | 12 |
| 110 | | 0,862 | 0,07 | 12 |
| 120 | | 0,897 | 0,07 | 12 |
| 127 | 5" | 0,931 | 0,07 | 12 |
| 130 | | 1,058 | 0,06 | 12 |
| 140 | | 1,150 | 0,06 | 12 |
| 152 | 6" | 1,265 | 0,05 | 12 |
| 160 | | 1,437 | 0,05 | 12 |
| 175 | | 1,495 | 0,04 | 12 |
| 180 | | 1,52 | 0,04 | 12 |
| 203 | 8" | 1,610 | 0,01 | 12 |

APPLICATIONS

- DRY PARTICULE EXTRACTIONS
- CONVEYING OF DUST
- AIR DUCT CLEANING
- SUCTION AND TRANSPORTATION OF SOLID MATERIAL



+4 °C / +60 °C



KLIMAFLEX

MATERIAL : HIGH GRADE SEMI RIGID PVC

SPIRAL : SPRING STEEL WIRE INTEGRATED IN WALL

COLOR : LIGHT GREY

SIZE RANGE : Ø 50 MM TO Ø 200 MM

WALL THICKNESS : 0.60 MM APPROX.



PROPERTIES

SHOCK ABSORBING
TIGH BENDING RADIUS ,SUPERIOR FLOW
HIGHLY DURABLE
CHEMICAL RESISTANCE WITH
HEAVY CONSTRUCTION
SMOOTHED INTERNAL WALL
ELECTRICALLY CONDUCTIVE BY GROUNDING WIRE
EXCELLENT TOUGHNESS CHARACTERISTICS

TECHNICAL DATA



| ID. Ø | | Weight | Vacuum | Coil Lenght |
|-------|------|--------|--------|-------------|
| Mm | Inch | Kg / m | Bar | Meter |
| 50 | 2" | 0,35 | 0,18 | 12 |
| 60 | | 0,40 | 0,18 | 12 |
| 63 | 2.5" | 0,45 | 0,15 | 12 |
| 70 | | 0,50 | 0,14 | 12 |
| 76 | 3" | 0,55 | 0,14 | 12 |
| 80 | | 0,60 | 0,10 | 12 |
| 90 | | 0,68 | 0,09 | 12 |
| 102 | 4" | 0,72 | 0,08 | 12 |
| 110 | | 0,75 | 0,07 | 12 |
| 120 | | 0,80 | 0,07 | 12 |
| 127 | 5" | 0,85 | 0,07 | 12 |
| 130 | | 0,90 | 0,06 | 12 |
| 140 | | 0,95 | 0,06 | 12 |
| 152 | 6" | 1,00 | 0,05 | 12 |
| 160 | | 1,10 | 0,04 | 12 |
| 175 | | 1,15 | 0,04 | 12 |
| 203 | 8" | 1,35 | 0,01 | 12 |

APPLICATIONS

MATERIAL HANDLING
DRY PARTICULE EXTRACTION
EXHAUST OF SOLID MATERIALS
IDEAL FOR APPLICATIONS THAT
REQUIRE LITTTLE MOVEMENT AND
LESS FLEXIBILITY



+4 °C / +60°C



SMARTFLEX

- MATERIAL : ESTER BASED POLYURETHANE
- SPIRAL : : REINFORCED WITH BLUE PNEUMATIC EXTERNAL HELIX
- COLOR : TRANSPARENT
- SIZE RANGE : Ø 80 MM TO Ø 160 MM
- WALL THICKNESS : 0.55 MM APPROX.

PROPERTIES

- OUTER HELIX PROTECTS AGAINST ABRASION AND SCUFFING
- HIGH MECANICAL STRENGTH
- CHEMICAL AND MECHANICAL RESISTANCE
- CRUSH RECOVERABLE
- GOOD ELASTICITY
- TEAR AND TENSILE RESISTANCE
- CAPABLE OF ELECTROSTATIC DISCHARGE BY GROUNDING THE SPIRAL



TECHNICAL DATA



| | | | |
|-------|------|--------|-------------|
| | | | |
| ID. Ø | | Vacuum | Coil Lenght |
| Mm | Inch | Bar | Meter |
| 80 | | 0,10 | 10 |
| 102 | 4" | 0,09 | 10 |
| 120 | | 0,09 | 10 |
| 152 | 6" | 0,05 | 10 |
| 160 | | 0,03 | 10 |

APPLICATIONS

- INDUSTRIAL VACUUM CLEANERS AND LEAF COLLECTORS
- IDEAL FOR FLOR LEVEL AREA WHERE HOSES ARE SUBJECTED TO ROUGH CONDITIONS
- GENERAL INDUSTRIAL AND AGRICULTUR APPLICATION
- SUCTION AND TRANSPORTATION OF ABRASIVE SOLID AND GENERAL INDUSTRIAL APPLICATION



-20 °C / +90 °C



FUMEFLEX - WELDING FUME EXTRACTION HOSE



MATERIAL : ESTER BASED POLYURETHANE

SPIRAL : REINFORCED WITH BRONZ COATED SPRING STEEL WIRE HELIX

COLOR : BLACK (CUSTOMER SPECIFIC COLOURS CAN BE DONE)

SIZE RANGE : Ø 100 MM TO Ø 250 MM

WALL THICKNESS : 0.40 MM APPROX.

TECHNICAL DATA



| ID. Ø | | Weight | Vacuum | Coil Lenght |
|-------|------|--------|--------|-------------|
| Mm | Inch | Kg / m | Bar | Meter |
| 102 | 4" | 0,50 | 0,08 | 10 |
| 110 | | 0,52 | 0,08 | 10 |
| 120 | | 0,55 | 0,07 | 10 |
| 127 | 5" | 0,60 | 0,07 | 10 |
| 130 | | 0,65 | 0,06 | 10 |
| 140 | | 0,70 | 0,05 | 10 |
| 152 | 6" | 0,75 | 0,05 | 10 |
| 160 | | 0,80 | 0,05 | 10 |
| 175 | | 0,90 | 0,04 | 10 |
| 180 | | 0,95 | 0,04 | 10 |
| 203 | 8" | 1,05 | 0,03 | 10 |
| 225 | | 1,30 | 0,03 | 10 |
| 250 | 10" | 1,35 | 0,03 | 10 |

-20 °C / +90 °C



PROPERTIES

FUME EXTRACTION AND DEDUSTING SYSTEMS
SMOKE EXHAUST
WELDING AND FILTRATION UNITS
FUME ARMS
CYLCONES
CHEMICAL INDUSTRY



APPLICATIONS

SOFT MATERIAL HANDLING
SUITABLE FOR CONVEYING OF DUST AND
LIGHT MATERIALS UNDER LOW PRESSURE
SUCTIONS AND TRANSPORTATION OF GRANULES
FILTER AND VENTILATION SYSTEMS
FOR INDUSTRIAL AIR MOVEMENT

CLAMPS – HOSE FITTING ACCESSORIES



MATERIAL : STAINLESS STEEL WITH STRIP CLAMP 430

STRIP THICKNESS : 0,65 MM

STRIP WIDTH : 9 MM

LOCKING DEVICE MATERIAL : 1,0529 STEEL (ZINC COATED)

CLAMPING RANGE : Ø 70 MM TO Ø 300 MM

| Code | Clamping Range |
|---------|----------------|
| K1 - 01 | 70 - 90 mm |
| K1 - 02 | 100 - 110 mm |
| K1 - 03 | 120 - 130 mm |
| K1 - 04 | 140 - 160 mm |
| K1 - 05 | 175 - 200 mm |
| K1 - 06 | 225 - 250 mm |
| K1 - 07 | 275 - 300 mm |



PROPERTIES

SPECIALLY FOR ATTACHING EXTERNALL
CORRUGATED SPIRAL HOSES
RE-USABLE, EASILY AND QUICKLY FITTED
VERY ROBUST



BURflex

FLEXIBLE SOLUTIONS

 **BURCU INSAAT SAN VE TIC LTD STI**
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