Hoses description

Ducting hoses are very lightweight and flexible, designed to transfer gases, chemical fumes, dust, sawdust, dry and loose or highly abrasive products. Applications where ducting hoses are used usually demand suction (vacuum). However some applications demand pressure transfer e.g. to blow air. Ducting hoses available at TUBES INTERNATIONAL® can be divided into four groups:

Resistant to abrasion
Lightweight, flexible hoses made of PU, reinforced with steel wire helix, designed to extract and transfer dry and loose materials, dust and sawdust. The abrasive properties of a transferred medium determine the wall thickness of hose that is to be selected from our offer.
Available as an antistatic (AS) or food quality version. Widely used in woodworking, metalworking, plastics, food and many other fields of industry.

Resistant to high temperature
Highly flexible and lightweight hoses designed to remove fumes, air, exhaust and gases at extremely high temperature. Made of Kevlar fabric or silicone-coated fibreglass fabric and reinforced with steel wire helix.
Widely used in metallurgical, automotive, aircraft and shipbuilding industry.

Resistant to chemical substances
Lightweight, flexible hoses designed to remove aggressive fumes of chemical substances, solvents and gases. Made of such materials as: polyethylene or PTFE-coated fabric. Reinforced with steel wire helix. The majority of hoses is available as an antistatic or electrically conductive version. Indispensable in chemical and petrochemical industry.

Special applications
Special hoses for such applications as e.g. blowing of hot and cold air into buildings and tents, removal of welding fumes, hoses for industrial vacuum cleaners or road-sweeping machines.

Assembly of ducting hoses
Ducting hoses offered by TUBES INTERNATIONAL® can be easily assembled using a system of connectors for ducting hoses and appropriate clamps (see: HOSE CONNECTORS). It is recommended to assemble ducting hoses with BC type (right hand) worm drive bridge hose clamp, except for Clip-type hoses (KEVLAR SI CL, SILICONE CL, PTFE CL, GRIPFLEX) that require (left hand) bridge clamps.

Example: assembly with BC type worm drive bridge hose clamps



SC-P2SP-080 ducting hose assembled with 90° elbow, code: KS-KSBB90-080-OC using BC type worm drive bridge hose clamp, diameter range: 70 ÷ 90 mm, code: CL-OMP-090-097.