



**AIRSTARTHOSSES** are mold, mildew, and UV resistant and withstands exposure to common ramp chemicals including most solvents, oils, fuels, and Skydrol., built with specialized Airstarthoses formulated rubber to ensure safe use and reliability.

**AVAILABLE LENGTHS :** 30,40,50,60,80, 100 FEET or on request we can do any length..  
With or without scuff protection.

#### **SERVICE AND MAINTENANCE TEST**

To increase the shelf-life, we strongly recommend the following practices below, and train your staff accordingly before usage..

- Lay out the duct between external airstart and the aircraft (helicopter) flat without bends on the tarmac.
- Sharp bends and twists causes damage (sharp bends can create hot spots into silicone)
- Do not lay out the duct in oil , deicing fluids , fuels or other chemicals.
- Do not make any cuts into hose during installation. (Detergents or oil can be used to slide the hose over the Airstarthoses coupling.
- Make sure all company, airport and aircraft procedures are covered before connecting the duct.
- Check airport regulations and noise regulations about external air starting.
- Make sure the pneumatic ASU duct cannot enter the jet engine.
- Do not drive over the pneumatic starter duct. Train your staff!
- Do not drag the duct. (especially when hose is not fully cooled.)
- Before connecting to the aircraft, give short burst of air through duct to assure unrestricted passage of air and excluding the fact that debris enters the aircraft tubing.
- Check duct assembly before each use and replace worn or damaged scuffer jackets or hoses.
- A formal inspection of hose and scuff jacket should be conducted every 50 hours of operation, or 15 days, which ever comes first.
- Strictly adhere to installation instructions of couplings or fittings to duct assembly.
- When confined under compression and heat, for longer periods of time, it is natural characteristic for silicone reversion to occur.
- End fittings should be removed, and duct inspected for reversion at not more than every 100 hours of operation.
- Reversion is not cause for rejection.
- Check the hose reinforcements for signs of clamp damage.
- If any or these are detectable, cut away 4 inches (10 cm) from the duct end and reattach correctly the clamps.
- Pressure test hoses – hydrostatic test duct assembly at 150 psi for 5 minutes. At pressure inspect hose for cuts, holes and separation.
- Any signs of evidence remove the duct from operation.
- Never steam clean start cart with duct attached. Cleaning chemicals and steam could damage duct and cause premature failure.
- Use pneumatic airstarter jackets, the protective cover will increase life of the duct.
- To fix clamps according to ISO use torque tool (clamps silicone+white textile jacket together)
- Cool down the airstart hoses for minimum 25 minutes before storage into the basket, especially into hot weather operations.
- Jackets should be inspected for cuts, tears and burns or separation, every 15 days or not more than 50 hours of operation.



**AIRSTARTHOSSES**

**Air Start Hose** is built with specialized Airstarthose formulated rubbers to ensure safe use and reliability on the tarmac. Our specially compound is heat and oil resistance, so the silicone rubber that will withstand high temperatures and pressures.

To enhance dimensional stability and flexibility and Abrasion resistance, the hose is wrapped in innovating cord. Our ASU pneumatic ASU hose is mold, mildew, and UV resistant and withstands exposure to common ramp chemicals including most solvents, oils, fuels, and Skydrol..

Your reliable specialist for airstarthoses and coupling.

**BUILT TO EXCEED THE DEMANDING NEEDS OF THE GLOBAL AVIATION INDUSTRY**

**CERTIFICATION :** ISO 9001, ISO 14001 & ISO 45001 / OHSAS 18001  
 PATENT NUMBER BE 2019/0109  
 According to MIL SPEC MIL-DTL\_22706(G)  
 CE

**PROPERTIES :**

|  |   |
|--|---|
| INSIDE DIAMETER  | 3.5 in. (89 mm)                             |
| WALL THICKNESS   | 3/16 in. +/- 1/32 in. ( 4.76 mm +/- 0.8 mm) |
| WEIGHT PER FT. (M)   | 1.1 lbs. (0.5 kg) without scuff.            |
| HIGH TEMPERATURE   | 500°F (260°C)                               |
| LOW TEMPERATURE  | -80°F (-62°C)                               |
| BURST STRENGTH   | 450 psig (3,100 kPa)                        |
| MAXIMUM STATIC LOAD  | 2,000 lbs. (907 kg)                         |
| PROOF PRESSURE TESTED  | 200 psig (1,379 kPa)                        |
| STANDARD LENGTHS   | 20-60 ft. (6-16.75 m)                       |
| NUMBER OF FILAMENTS  | 210   |
| Linear density dtex  | 1100  |
| Breaking force approx.   | 90N   |
| Elongation at break approx.  | 12%   |
| Hot air shrinkage (2 min at 180°C) approx.   | 6%  |
| Tailor made solutions available.   |   |
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