

Skypit® aircraft 400 Hz supply cable retriever

The Skypit cable retriever has been developed to satisfy the need of airport operators who want to:

- ✓ Have the best protection for their 400 Hz cables
- ✓ Free the space below the passenger bridges to:
 - Reduce the risk of equipment damage
 - Reduce the risk to ground personnel and ramp vehicles
- ✓ Minimize the weight of the equipment
- ✓ Optimize the electrical performance
- ✓ Minimize the need for maintenance and maximize the life cycle of the equipment



The exclusive Skypit principle, where the cable is guided up to find its space naturally in the receptacle, presents a large number of major advantages :

- **Easy servicing:** cable replacement can be performed in 45 minutes
- **Light weight:** the Skypit weighs 350 kg without cable
- **Minimal maintenance:** an inspection of the chain and of the tires is recommended every six months
- **Electrical contact:** direct connection of the cable to the network, **without slip ring or twisting cable**
- **Full protection of the cable and of the aircraft connector:** when the cable is stored, the connector is fully retracted in the Skypit
- **Minimal human effort:** positioned at the top of the bridge, the cable traction point catches the largest part of the weight and prevents the cable from rubbing on the ground
- **Communication:** The Skypit is fitted in option with a data concentrator for communication with the airport systems
- **Security:** The Skypit is fitted in option with a patented system to protect the cable from being torn off.



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Option: Patented anti-tear system

If an unforeseen movement causes a traction on the cable, the cable retriever automatically unwinds the cable to avoid this traction. Simultaneously, movements of the passenger bridge are limited or forbidden until the problem is solved.

Technical data:

- Dimensions of the whole system incl. connection box:
W x D x H : 1350 mm x 450 mm x 3265 mm
Weight without cable : 350 kg
Weight of a 30 m cable: 110 kg
Total weight with cable: 460 kg
- Construction:
Cable case : aluminum, epoxy painting
Bed frame : metallic coated steel, epoxy painted
Color: white RAL 9003 and metallic grey RAL 9006 (other color on request)
- 400 Hz cable :
Maximum length: 30 m
Type : By construction, any flexible cable type is compatible with the Skypit.
- Motor power supply: 50/60 Hz, 400V three phases
- Operating temperature range: -40°C to 80°C with specific lubrication
- Weather resistance: IP 55
- Remote control: at the bottom of the bridge and on the aircraft connector (cable in/out, 400 Hz on/off, emergency stop)
- Communication: the Skypit includes in option a data concentrator for communication with the airport systems



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