

# Dual HI-LO Table Pedestal Unit

## FEATURES

- Electrical actuated
- Full reliable manual override function to lower the table due to independent bypass release system and hydraulic system design. (no motor jamming, no spindle blockage)
- Small pillar diameter (163 x 163mm [6.5" ] ) allows smart design of coverings and shrouds
- Slim table top design (no mechanical synchronization required)
- Dual Overload protection (electrical and mechanical)
- High loadable (testet up to 900kg down load per pedestal)
- Actuator unit fully enclosed in the pillar



## TECHNICAL SPECIFICATION

- Power Input: 24-28 VDC,
- Power Consumption 5 Amp.
- Complies with RTCA DO160 Section 4,7,8,21
- Highest Position 2 x Stroke + 60mm (min Stroke = 250 mm)
- Lowest Position: 60mm + Stroke
- Variable distance between pedestal unit
- Weight: 17 kg (Without optional customized base- and top plate)



**Cannot find your required feature, please do not hesitate to contact us.**

### Aircraft Components

Aersolution Interior AG  
Neuland 2  
CH-6460 Altdorf

### Engineering & Certification

ADOA: EASA.AP.347  
POA: CH.21G.0020

### Projectmanagement & Completion Support

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**Dual HI-LO Table Pedestal Unit**

**DO 160G Qualification Details**

Qualification Requirement	Category
Temperature	DO-160G 4, Category A1
Altitude	DO-160G 4.6.1, Category A1
Operational Shocks and Crash Safety (Impulse)	DO-160G 7.2, Category B, Test Type R
Operational Shocks and Crash Safety (Sustained)	DO-160G 7.3, Category B, Test Type R
Vibration	DO-160G 8.5.2, Category S
Emission of Radio Frequency energy (Conducted)	DO-160G 21, Category M
Emission of Radio Frequency energy (Radiated)	DO-160G 21, Category M

**Performed Structural Testing (Single Pedestal)**

Type	Load direction	Load Application	Max Force	
Inertia	9g Horizontal FWD, AFT, Side	Pedestal in low position Cons. Testmass Table Top and shroud app. 80kg Factor 1.15	10155 N	
Inflight	8.1g Down	Pedestal in up position Cons. Payload for Table Top and shroud app. 80 kg Factor 1.15	7950 N	
Inflight	5.4g Up	Pedestal in mid position Cons. Payload for Table Top and shroud app. 80kg Factor 1.15	6095 N	
Abuse	300 lbs Push	Pedestal in up position Table edge form center: 900 mm Loading Area: (2" x 2") Factor 1.15	1535 N 300 lbs	
Abuse	300 lbs Down	Pedestal in up position Table edge form center: 840 mm Loading Area: (12" x 12") Factor 1.15	1535 N 300 lbs	