



Project presentation

Tripod jacks for A380 central section



Key features of the project

Customer: Airbus France St Nazaire – Gron plant

Purpose: support the central section of the A380

Services provided:

- Design and manufacturing of 4 main tripod jacks 16 Tons
- Design and manufacturing of 4 secondary tripod jacks 12 Tons
- Design and manufacturing of 2 secondary tripod jacks 6 Tons

Specificity: Easy deployment of the equipment by a single operator

Year of manufacturing: 2013





Main tripod jacks

Tripod jack with retractable guiding rails.
 Easy set-up and removal by a single operator through the use of an electrical micro-pusher

Technical specifications

Welded steel structure (weight : 2,2 T, height : 4,5 m)
 3 cylinder feet + bubble level to leveling the tool
 2 releasable tables operated manually to +/- 75 mm of displacement in the X - Y axis, with pinout at nominal position
 Vertical column manually operated, displacement of 400 mm in the Z axis
 Digital measuring rule for positioning at 1/10th mm
 25 T weight sensor with autonomous conditioner - display
 Ø 52 mm egg cup type interface with compliance of +/- 10 mm in the X - Y plane, with return to nominal position
 Nominal load use : 16 T
 Retractable guiding rails with fixing inserts embedded int the ground, completely freeing the area around the tripod

Certification

Sizing with safety factor of 5
 Static test with a factor of 1,5
 Dynamic test with a factor of 1,1

Associated equipment

Micro-pusher to facilitate the positioning
 Electrical screwdriver for the deployment of the vertical column



Secondary tripod jacks

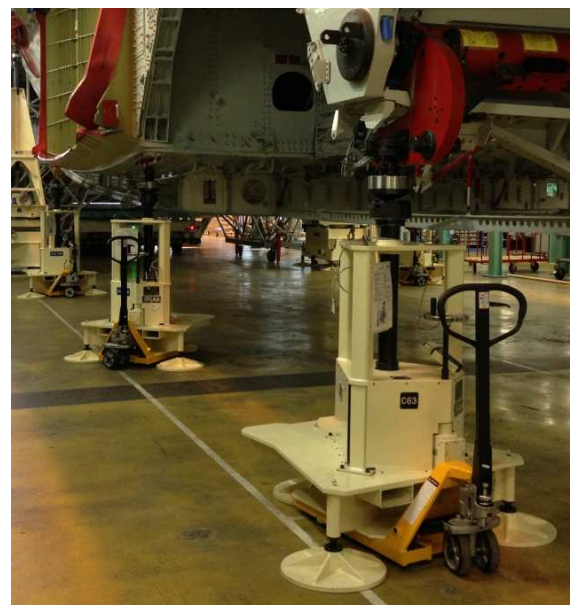
Tripod jacks with integrated pallet truck

Technical specifications

Welded steel structure (weight : 0,8 T, height : 1,8 m)
 3 cylinder feet + pallet truck for easy displacement
 Vertical column manually operated, displacement of 200 mm in the Z axis
 25 T weight sensor with autonomous conditioner - display
 Ø 52 mm egg cup type interface with compliance of +/- 25 mm in the X - Y plane
 2 nominal load use : 12 T and 6 T with integrated limitation of load

Certification

Sizing with safety factor of 5
 Static test with a factor of 1,5
 Dynamic test with a factor of 1,1



Project adaptable to your specific needs