

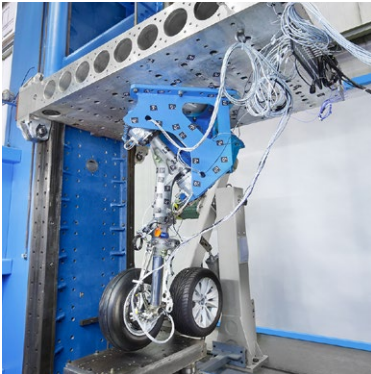
Safe Landing



Drop Test Facility

Drop Testing for Landing Gears





M346 MLG



PC21 MLG

Performance Portfolio

We offer a number of applications for aeronautics, automotive and railway transportation

- Drop tests on aircraft landing gears
- Roll tests, fatigue tests, slide tests, brake tests, frequency response tests, tyre burst tests, tire tests
- Driving over baffle plates and bumps

Technical Data of the Drop Test Facility

- Barrel
 - Maximal circumferential speed 400 km/h
 - Diameter 4,0 m
 - Width 1,5 m
 - Engine power controlled by 4Q-drive (drive and brake) 130 kW
 - Barrel surface: Grinded steel or coated with friction layer
- Maximal barrel loading
 - Vertical 560 kN
 - Lateral (axial) 200 kN
 - Lateral (circumferential) 400 kN
- Mass moment of inertia of the barrel 29.500 kgm²
- Drop mass (max.) 14.000 kg
- Drop height (max.) 11 m
- Sinking speed with mass compensation maximal 7 m/s
- Sinking speed without mass compensation maximal 10 m/s



AUTOMOTIVE



INFOCOM



MOBILITY, ENERGY & ENVIRONMENT



AERONAUTICS



SPACE



DEFENCE & SECURITY

About IABG

IABG offers integrated, ground-breaking solutions in the sectors Automotive • InfoCom • Mobility, Energy & Environment • Aeronautics • Space • Defence & Security. We provide independent and competent consulting. We implement with future viability and target orientation. We operate reliably and sustainably. Our success is based on an understanding of market trends and requirements, on our staff's technological excellence and a fair relationship with our customers and business partners.

About IABG Aeronautics

We have been testing for decades the strength and endurance of fullscale aircraft and aircraft components. In our halls they have to survive several thousand flights without damage long before they can enter into regular operation. This is the case for airliners as well as for aeroplanes used in general aviation and for military aircraft. With our unique expertise and our trend-setting technology we are Europe's leading test and qualification enterprise for the aviation industry.

- Fatigue life and safety analyses
- Test concepts and programmes
- Test simulation
- Static loading tests
- Major airframe and substructure fatigue tests
- Materials development and characterisation
- Non-destructive inspection
- Operation of flight tests

For further information please contact:

Phone +49 89 6088-4454

luftfahrt@iabg.de

Further information for Drop Test Facility



IABG
Einsteinstrasse 20
85521 Ottobrunn
Germany
Phone +49 89 6088-2030
Fax +49 89 6088-4000
info@iabg.de
www.iabg.de

Berlin Bonn Dresden Erding Karlsruhe Koblenz
Lathen Lichtenau Noordwijk (NL) Oberpfaffenhofen