

15 MW with Dynamic Off-Axis Force Applicator

Features

Test Rig Drivetrain

Power (Electrical Closed Loop)	20 (Continuous) MVA
Number of Motors	2
Test Power	15,700 kW
Nominal Test Torque	15,000 kNm
Nominal Test Speed	10 rpm
Maximum Test Speed	17 rpm
Test Stand Incline <u>Fixed</u> Angle	6 degrees

Load Application System

Axial Force (X)	±4,000 kN
Radial Force (Y-Z Plane)	±8,000 kN
Bending Moment (Y-Z Plane)	±50,000 kNm
Specimen Displacement (X)	±20 mm
Specimen Displacement (Y-Z Plane)	±20 mm
Specimen Angular Misalignment	0.8 degrees
Specimen Dynamic Displacement (X)	±10 mm
Specimen Dynamic Displacement (Y-Z Plane)	±10 mm
Displacement Frequency	1 Hz

Test Specimen

Max Diameter	13 m
Max Length	20 m
Max Weight	400 tons