

## HIGH CAPACITY MULTIPURPOSE TEST RIGS UP TO 8000 kN

Our high capacity test rigs allow testing on a variety of test pieces in static and dynamic (fatigue) loading. The tensile force is obtained through displacement-controlled hydraulic pistons. Specimens can be cooled and are extensively instrumented. Measured quantities include:

- Tensile force (load cells)
- Strains in separate sections of the specimen and global strain (LVDT's)
- Crack Mouth Opening Displacement CMOD (clip gauge)

If desired, the 2500 kN load frame can be used as a tribotester by placing a horizontal clamp consisting of 2 end plates, four load bars and 6 pistons inside the load frame as shown in figure 3.



Figure 1: 8000 kN testrig



Figure 2: Medium Wide Plate tension test



Figure 3: Tribotester

### TEST RIG CHARACTERISTICS

Property	MTS 2500	8000 kN tensile test rig
Force	Max. 2500 kN	Max. 8000 kN
Normal force (tribotest setup)	Max. 6000 kN	-
Width	760 mm	300 mm
Length	2150 mm (without grips)	1200 mm
Temperature range	-60 °C up to 200 °C	-60 °C up to 200 °C