

DMA 523 *Eplexor*® Series up to ± 4000 N

Temperature range	-160 °C to 500°C with LN ₂ -60°C to 500°C with Air Cooler	
Drives	Two, independent of each other: ■ Servo motor for static force ■ Electrodynamic shaker for dynamic force	
Static force	Up to ± 6000 N	
Dynamic force	DMA 523 <i>Eplexor</i> ® 2000 up to ± 2000 N DMA 523 <i>Eplexor</i> ® 4000 up to ± 4000 N	
Force measurement	User-exchangeable force sensors (various load ranges up to ± 12000* N)	
Static deformation	Up to 70 mm	
Dynamic deformation (amplitude)	Up to ± 15 mm	
Frequency range	0.0001 Hz to 100 Hz	
Wave forms	Sine (standard); triangle, sin ² , half-sine, double-sine, saw-tooth, user-defined wave forms, pulses (optional)	
Main measurement types	<ul style="list-style-type: none"> ■ Time sweep ■ Temperature sweep ■ Frequency sweep ■ Temperature/frequency sweep ■ Static-dynamic sweep ■ Creep, relaxation/retardation ■ Fatigue tests ■ Humidity sweep (optional) ■ Flexometer test (optional) ■ Heat build-up/blow-out tests (optional) ■ Universal testing (optional) 	
Automatic sample length determination	Yes	
Options	<ul style="list-style-type: none"> ■ Humidity generator (HYGROMATOR®) ■ Immersion bath ■ Automatic sample changer: type ASC or MPAS 	

The 523 *Eplexor*® High-Force series is in line with the following standards:

DIN 53513, ISO 6721-1, ISO 6721-4, ISO 6721-5, ISO 6721-6, ISO 4664,
ISO 4666-3, ISO 4666-4, ASTM D4065, ASTM D4473, ASTM D623