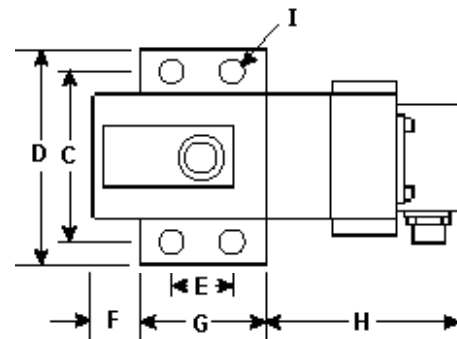
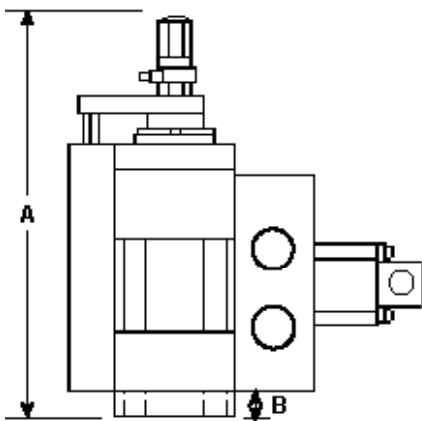


Xcite 1200 Laboratory Series The Xcite 1200 Series provides medium levels of force for testing vehicles such as trucks, locomotives, off road construction equipment and power generation equipment such as turbines and generator rotors, stators and bearings. The larger force capability is still coupled with a frequency response in the 500 Hz to 1000 Hz range for modal studies of highly damped and non-linear structures.

The 1200 Series systems are used extensively in the automotive industries for component and system sub-assembly modal testing for correlation of damping and non-linear characteristics with simulation models.



	Xcite 1200-1 System	Xcite 1200-3 System	Xcite 1200-6 System	Xcite 1200-8 System
Hydraulic Power Supply	1201B 5 GPM (20 l/m)	1201B 5GPM (20 l/m)	1201B 5 GPM (20 l/m)	1302C 15 GPM (60 l/m)
Master Controller	1204-Mod4	1204-Mod4	1204-Mod4	1204-Mod4
Exciter Head	1206-8-T/C	1215-8-T/C	1207-8-T/C	1207-15-T/C
Static Force	2,000 lb (8,900 N)	Total Static & Dynamic Force = 2,000 lb (8,900 N)	2,000 lb (8,900 N)	2,000 lb (8,900 N)
Dynamic Force	2,000 lb (8,900 N)		2,000 lb (8,900 N)	2,000 lb (8,900 N)
Stroke	1.0 in (25 mm)	2.0 in (50 mm)	2.0 in (50 mm)	2.0 in (50 mm)
Rod	1.0 in (25 mm)	1.0 in (25 mm)	1.0 in (25 mm)	1.0 in (25 mm)
Bore	1.5 in (37 mm)	1.5 in (37 mm)	1.5 in (37 mm)	1.5 in (37 mm)
Thread	.50 - 20	.50 - 20	.50 - 20	.50 - 20
Load Cell	5,000 lb (22,250 N)	5,000 lb (22,250 N)	5,000 lb (22,250 N)	5,000 lb (22,250 N)
LVDT	1.0 in (25 mm)	2.0 in (50 mm)	2.0 in (50 mm)	2.0 in (50 mm)
Exciter Design	Single Ended	Double Ended	Single Ended	Single Ended



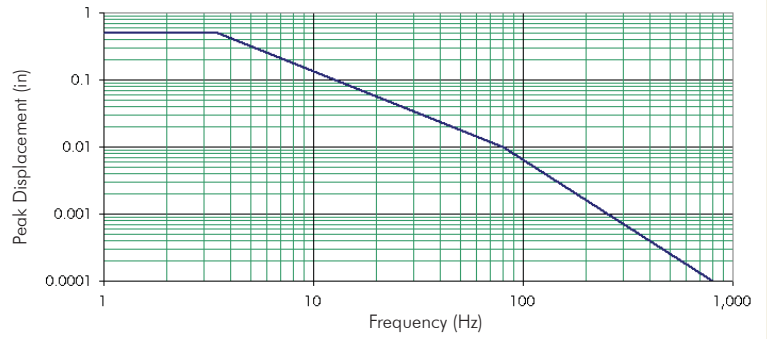
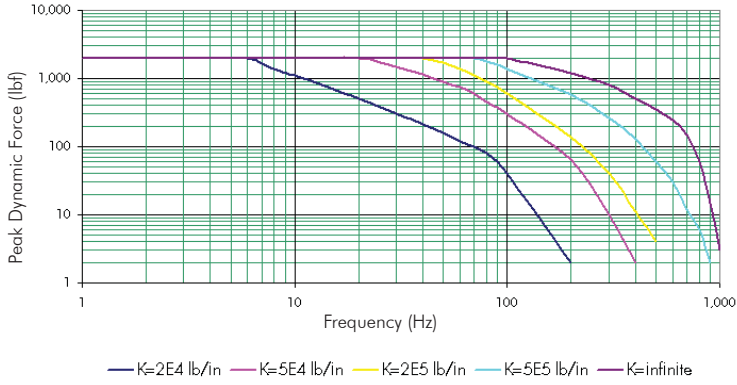
Exciter Head	A		B		C		D		E		F		G		H		I	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in(dia)	mm(dia)	in(dia)	mm(dia)
1206-8-T/C	9.75	244	0.60	15	3.50	88	4.18	105	1.62	41	1.12	28	2.50	63	4.25	107	0.48	12
1215-8-T/C	12.50	313	0.60	15	3.50	88	4.18	105	1.62	41	1.12	28	2.50	63	4.25	107	0.48	12
1207-8-T/C	10.75	269	0.60	15	3.50	88	4.18	105	1.62	41	1.12	28	2.50	63	4.25	107	0.48	12
1207-15-T/C	10.75	269	0.60	15	3.50	88	4.18	105	1.62	41	1.12	28	2.50	63	4.21	106	0.48	12

Xcite 1200-1 Laboratory System

Peak Dynamic Force vs. Frequency

1206-8-T/C Exciter Head

Peak Displacement vs. Frequency

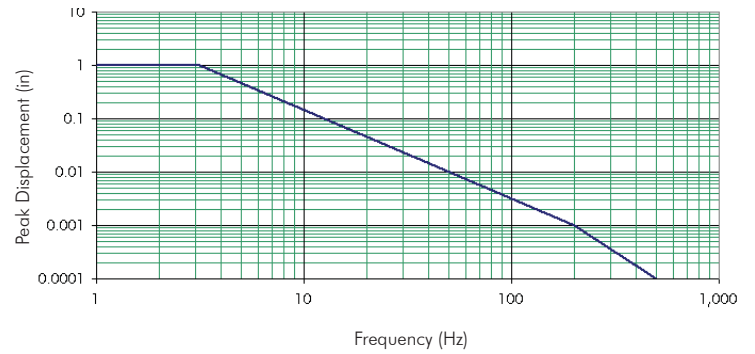
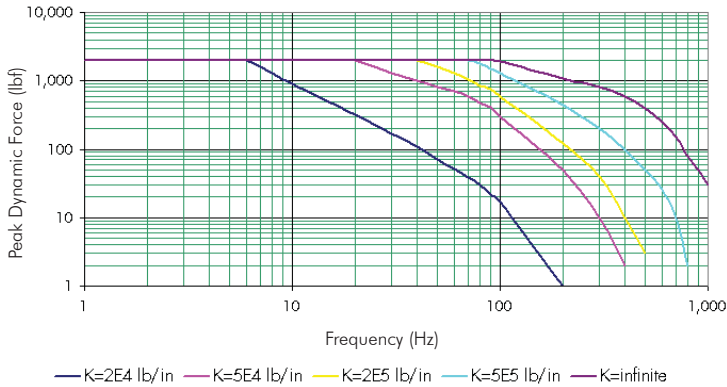


Xcite 1200-3 Laboratory System

Peak Dynamic Force vs. Frequency

1215-8-T/C Exciter Head

Peak Displacement vs. Frequency



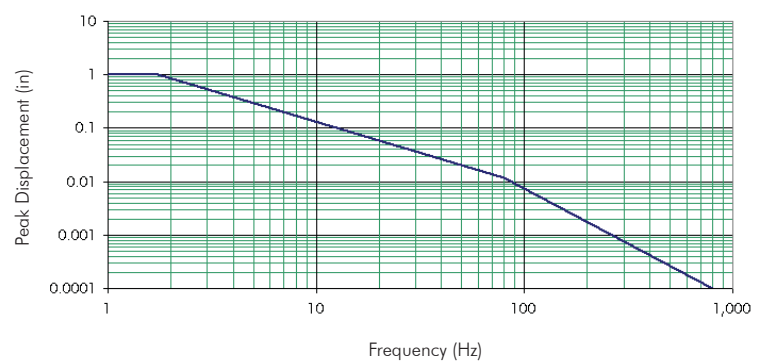
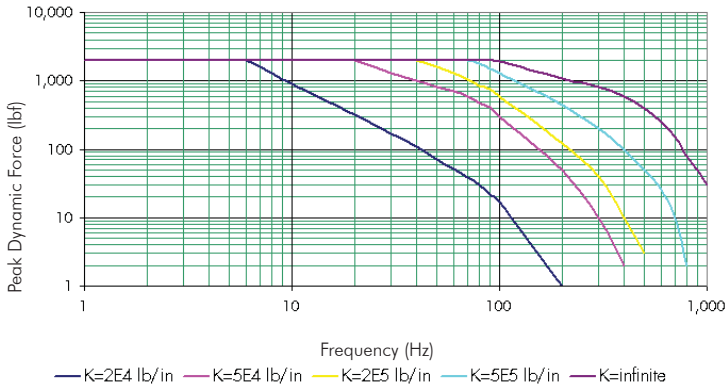
Note: The above force curve is for the Xcite 1215 Head used in Tension/Compression mode with ZERO STATIC FORCE and the load cell rigidly connected to the structure for "PUSH/PULL" operation. In Compression mode only with 1000 lbs of Static Force the curves are derated to a maximum of 900-1000 lbs Peak Dynamic. (Depending on the structure stiffness of the test article).

Xcite 1200-6 Laboratory System

Peak Dynamic Force vs. Frequency

1207-8-T/C Exciter Head

Peak Displacement vs. Frequency



Xcite 1200-8 Laboratory System

Peak Dynamic Force vs. Frequency

1207-15-T/C Exciter Head

Peak Displacement vs. Frequency

