

## Lecture Videos for Machine Design 6ed.

<u>Lecture</u>	<u>Topic</u>	<u>URL:</u>	<u>min:sec</u> <u>Run Time</u>
1	Introduction to the Master Lecture Series	<a href="http://www.designofmachinery.com/MD/01_Introduction.mp4">http://www.designofmachinery.com/MD/01_Introduction.mp4</a>	03:30
2	Stress Review	<a href="http://www.designofmachinery.com/MD/02_Stress_Review.mp4">http://www.designofmachinery.com/MD/02_Stress_Review.mp4</a>	53:40
3	Stress Distribution	<a href="http://www.designofmachinery.com/MD/03_Stress_Distribution.mp4">http://www.designofmachinery.com/MD/03_Stress_Distribution.mp4</a>	50:52
4	Combined Stress, Stress Concentration, Columns	<a href="http://www.designofmachinery.com/MD/04_Combined_stress_stress_concentration_columns.mp4">http://www.designofmachinery.com/MD/04_Combined_stress_stress_concentration_columns.mp4</a>	54:11
5	Ductile Failure Theory	<a href="http://www.designofmachinery.com/MD/05_Ductile_Failure_Theory.mp4">http://www.designofmachinery.com/MD/05_Ductile_Failure_Theory.mp4</a>	46:02
6	Brittle Failure Theory	<a href="http://www.designofmachinery.com/MD/06_Brittle_Failure_Theory.mp4">http://www.designofmachinery.com/MD/06_Brittle_Failure_Theory.mp4</a>	51:02
7	Fatigue Failure Theory	<a href="http://www.designofmachinery.com/MD/07_Fatigue_Failure_Theory.mp4">http://www.designofmachinery.com/MD/07_Fatigue_Failure_Theory.mp4</a>	55:49
8	Fully Reversed Loads	<a href="http://www.designofmachinery.com/MD/08_Fully_Reversed_Loads.mp4">http://www.designofmachinery.com/MD/08_Fully_Reversed_Loads.mp4</a>	52:59
9	Fluctuating Loads	<a href="http://www.designofmachinery.com/MD/09_Fluctuating_Loads.mp4">http://www.designofmachinery.com/MD/09_Fluctuating_Loads.mp4</a>	54:14
10	Shaft Design I	<a href="http://www.designofmachinery.com/MD/10_Shaft_Design_I.mp4">http://www.designofmachinery.com/MD/10_Shaft_Design_I.mp4</a>	44:44
11	Shaft Design II	<a href="http://www.designofmachinery.com/MD/11_Shaft_Design_II.mp4">http://www.designofmachinery.com/MD/11_Shaft_Design_II.mp4</a>	47:20
12	Wear and Surface Fatigue	<a href="http://www.designofmachinery.com/MD/12_Wear_and_Surface_Fatigue.mp4">http://www.designofmachinery.com/MD/12_Wear_and_Surface_Fatigue.mp4</a>	52:25
13	Spur Gear Design I	<a href="http://www.designofmachinery.com/MD/13_Spur_Gear_Design_I.mp4">http://www.designofmachinery.com/MD/13_Spur_Gear_Design_I.mp4</a>	51:31
14	Spur Gear Design II	<a href="http://www.designofmachinery.com/MD/14_Spur_Gear_Design_II.mp4">http://www.designofmachinery.com/MD/14_Spur_Gear_Design_II.mp4</a>	50:37
15	Spring Design I	<a href="http://www.designofmachinery.com/MD/15_Spring_Design_I.mp4">http://www.designofmachinery.com/MD/15_Spring_Design_I.mp4</a>	52:20
16	Spring Design II	<a href="http://www.designofmachinery.com/MD/16_Spring_Design_II.mp4">http://www.designofmachinery.com/MD/16_Spring_Design_II.mp4</a>	47:46
17	Bearings and Lubrication	<a href="http://www.designofmachinery.com/MD/17_Bearings_and_Lubrication.mp4">http://www.designofmachinery.com/MD/17_Bearings_and_Lubrication.mp4</a>	50:07
18	Rolling Element Bearings	<a href="http://www.designofmachinery.com/MD/18_Rolling_Element_Bearings.mp4">http://www.designofmachinery.com/MD/18_Rolling_Element_Bearings.mp4</a>	46:54
19	Power Screws and Fasteners	<a href="http://www.designofmachinery.com/MD/19_Power_Screws_and_Fasteners.mp4">http://www.designofmachinery.com/MD/19_Power_Screws_and_Fasteners.mp4</a>	44:42
20	Preloaded Fasteners	<a href="http://www.designofmachinery.com/MD/20_Preloaded_Fasteners.mp4">http://www.designofmachinery.com/MD/20_Preloaded_Fasteners.mp4</a>	48:22
21	Finite Element Analysis	<a href="http://www.designofmachinery.com/MD/21_Finite_Element_Analysis.mp4">http://www.designofmachinery.com/MD/21_Finite_Element_Analysis.mp4</a>	52:28

## Tutorial Videos for MD 6ed.

1	Bearings	<a href="http://www.designofmachinery.com/MD/Bearings.mp4">http://www.designofmachinery.com/MD/Bearings.mp4</a>	09:11
2	Bending Stress	<a href="http://www.designofmachinery.com/MD/Bending_Stress.mp4">http://www.designofmachinery.com/MD/Bending_Stress.mp4</a>	05:57
3	Columns	<a href="http://www.designofmachinery.com/MD/Columns.mp4">http://www.designofmachinery.com/MD/Columns.mp4</a>	01:52
4	Failure Modes	<a href="http://www.designofmachinery.com/MD/Failure_Modes.mp4">http://www.designofmachinery.com/MD/Failure_Modes.mp4</a>	09:41
5	Gears	<a href="http://www.designofmachinery.com/MD/Gears.mp4">http://www.designofmachinery.com/MD/Gears.mp4</a>	22:07
6	Springs	<a href="http://www.designofmachinery.com/MD/Springs.mp4">http://www.designofmachinery.com/MD/Springs.mp4</a>	20:06
7	Stress Cube	<a href="http://www.designofmachinery.com/MD/Stress_Cube.mp4">http://www.designofmachinery.com/MD/Stress_Cube.mp4</a>	05:04
8	Torsion	<a href="http://www.designofmachinery.com/MD/Torsion.mp4">http://www.designofmachinery.com/MD/Torsion.mp4</a>	03:13

## Demonstration Videos for MD 6ed.

1	Boot Testing Machine	<a href="http://www.designofmachinery.com/MD/Boot_Tester.mp4">http://www.designofmachinery.com/MD/Boot_Tester.mp4</a>	19:02
2	Bottle Printing Machine	<a href="http://www.designofmachinery.com/MD/Bottle_Printing_Machine.mp4">http://www.designofmachinery.com/MD/Bottle_Printing_Machine.mp4</a>	09:49
3	Cam Machine Video	<a href="http://www.designofmachinery.com/MD/Cam_Machine.mp4">http://www.designofmachinery.com/MD/Cam_Machine.mp4</a>	21:28
4	Fourbar Machine Video	<a href="http://www.designofmachinery.com/MD/Fourbar_Machine.mp4">http://www.designofmachinery.com/MD/Fourbar_Machine.mp4</a>	35:38
5	Pick and Place Mechanism	<a href="http://www.designofmachinery.com/MD/Pick_and_Place_Mechanism.mp4">http://www.designofmachinery.com/MD/Pick_and_Place_Mechanism.mp4</a>	36:35
6	Spring Surge and Fatigue Failure	<a href="http://www.designofmachinery.com/MD/Fatigue_Failure.mp4">http://www.designofmachinery.com/MD/Fatigue_Failure.mp4</a>	03:46
7	Spring Manufacturing Machinery	<a href="http://www.designofmachinery.com/MD/Spring_Manufacturing.mp4">http://www.designofmachinery.com/MD/Spring_Manufacturing.mp4</a>	12:23
8	Vibration Testing	<a href="http://www.designofmachinery.com/MD/Vibration_Testing.mp4">http://www.designofmachinery.com/MD/Vibration_Testing.mp4</a>	05:51
9	Spring Surge	<a href="http://www.designofmachinery.com/MD/Fatigue_Failure.mp4">http://www.designofmachinery.com/MD/Fatigue_Failure.mp4</a>	03:46