

Mechanical Drawing II
Code: MAE227

Lifting Devices

Lifting Devices:

Lifting equipment is a general term for any equipment that can be used to lift loads.

Lifting Equipment Classification:

lifting equipment can be divided into

1. light and small lifting equipment.
2. Elevators.
3. Cranes
4. Overhead monorail system.



Lifting Devices:

1. light and small lifting equipment:
 - Manual hoist.
 - Electric hoist.
 - Ordinary winch.

Mostly small size, light weight and easy to use.

Lifting Devices:

- Lifting pulley.



1 Pulley

2 Pulley

3 Pulley

Applied force required
100kg

100kg

50kg

100kg

25kg

100kg

- Sling.

1 LEG SLING

2 LEG SLING



1 LEG SLING

2 LEG SLING

3 LEG SLING

4 LEG SLING

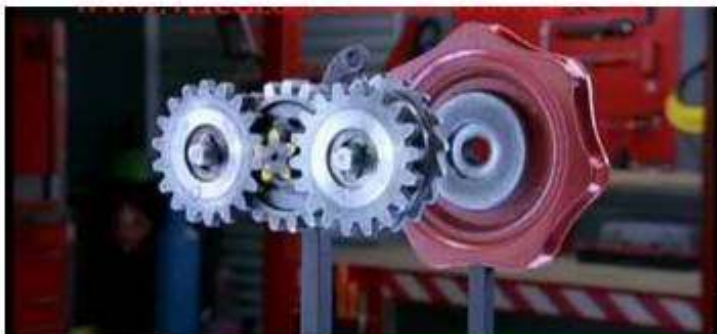


Lifting Devices:

- Manual hoist.



- Electric hoist.



Lifting Devices:

- Ordinary winch.



Lifting Equipment:

Vacuum Lifting Equipment

