

Toolbox Talk

Lifting Equipment



What?

- Lifting equipment includes any equipment used at work for lifting or lowering loads, including attachments used for anchoring, fixing or supporting it
- All lifting equipment should be strong and stable enough for the particular use and marked to indicate it's safe working load (SWL)

| ROPE ID mm | REVUS LOAD | | | Round Basket Load | | | Dishing Basket Load | | | 3.5 or 4 Leg Slings | | |
|---------------|------------|-------|--------|-------------------|------|------|---------------------|------|------|---------------------|------|------|
| | Straight | Round | Oblong | 0° | 60° | 90° | 0° | 60° | 90° | 0°-60° | 60° | 120° |
| 8 | 0.55 | 0.41 | 0.27 | 1.09 | 0.84 | 0.77 | 0.55 | 0.48 | 0.38 | 0.94 | 0.77 | 0.55 |
| 9 | 0.69 | 0.52 | 0.34 | 1.36 | 1.03 | 0.97 | 0.69 | 0.60 | 0.49 | 1.19 | 0.97 | 0.69 |
| 10 | 0.85 | 0.64 | 0.43 | 1.70 | 1.27 | 1.20 | 0.85 | 0.74 | 0.61 | 1.47 | 1.20 | 0.85 |
| 11 | 1.03 | 0.77 | 0.52 | 2.10 | 1.58 | 1.45 | 1.03 | 0.90 | 0.73 | 1.78 | 1.45 | 1.03 |
| 12 | 1.23 | 0.92 | 0.61 | 2.50 | 2.00 | 1.73 | 1.23 | 1.07 | 0.87 | 2.10 | 1.73 | 1.23 |
| 13 | 1.44 | 1.06 | 0.72 | 2.90 | 2.50 | 2.00 | 1.44 | 1.25 | 1.02 | 2.50 | 2.00 | 1.44 |
| 14 | 1.67 | 1.25 | 0.83 | 3.30 | 2.90 | 2.40 | 1.67 | 1.45 | 1.19 | 2.90 | 2.40 | 1.67 |
| 16 | 2.20 | 1.64 | 1.09 | 4.40 | 3.80 | 3.10 | 2.20 | 1.90 | 1.55 | 3.80 | 3.10 | 2.20 |
| 18 | 2.80 | 2.10 | 1.38 | 5.50 | 4.80 | 3.90 | 2.80 | 2.40 | 1.87 | 4.80 | 3.90 | 2.80 |
| 20 | 3.40 | 2.60 | 1.70 | 6.80 | 5.90 | 4.80 | 3.40 | 3.00 | 2.40 | 5.90 | 4.80 | 3.40 |
| 22 | 4.10 | 3.10 | 2.10 | 8.30 | 7.10 | 5.80 | 4.10 | 3.50 | 2.90 | 7.10 | 5.80 | 4.10 |
| 24 | 4.90 | 3.70 | 2.50 | 9.90 | 8.50 | 6.90 | 4.90 | 4.10 | 3.50 | 8.50 | 6.90 | 4.90 |
| 26 | 5.80 | 4.30 | 2.90 | 11.5 | 10.0 | 8.10 | 5.80 | 5.00 | 4.10 | 10.0 | 8.10 | 5.80 |
| 28 | 6.70 | 5.00 | 3.30 | 13.4 | 11.6 | 9.40 | 6.70 | 5.80 | 4.70 | 11.6 | 9.40 | 6.70 |
| 32 | 8.10 | 6.10 | 4.00 | 17.4 | 15.1 | 12.3 | 8.10 | 7.00 | 6.20 | 15.1 | 12.3 | 8.10 |

Why?

- Failure of lifting equipment or lifting system can be quite sudden and because of the loads involved usually result in serious or fatal injuries
- This is why lifting operations should be carefully planned, supervised and carried out in a safe manner by people who are competent
- All lifting equipment must be thoroughly examined by a competent person; 6-monthly statutory inspection for loose equipment and 12-months for fixed equipment
- Never assume the lifting equipment with comes with equipment is compliant, always check and do not use if in doubt



Do



- ✓ Visually check all equipment before use
- ✓ Make sure it is in a safe condition
- ✓ Ensure a thorough examination has been carried out
- ✓ Check the safe working load
- ✓ Make sure SWL is not exceeded
- ✓ Estimate the centre of gravity and lift the load accordingly
- ✓ Take care of lifting equipment and store it properly after use
- ✓ Make sure you are trained to use lifting equipment properly
- ✓ When lowering, support the load to avoid crushing the sling
- ✓ Wear a helmet if required and suitable footwear

Don't



- ✗ Go under suspended loads
- ✗ Use damaged equipment
- ✗ Use equipment without a thorough examination
- ✗ Use lifting equipment if you are not trained
- ✗ Lift if you are not sure of the SWL and weight of the load
- ✗ Release the lifting equipment until the load is secure and stable

