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01 Feb 2024	28 Feb 2026	SHEQ Warehouse (Pty) Ltd	Neville
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Driven Machinery Regulations, 2015

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1. Definitions

Defines key terms used in the regulations including "bench saw," "block and tackle," "calender rolls," "capstan-type hoist," "competent person," "hand-powered lifting device," "lifting machine," "lift truck," "lifting machinery entity," "lifting machinery inspector," "lifting tackle," "load path," "man-cage," "point of operation," "press," "safe working load," "thorough examination," "training provider," and "transportation plant."

2. Scope of application

These Regulations apply to the design, manufacture, operation, repair, modification, maintenance, inspection, testing and commissioning of driven machinery.

3. Revolving machinery

3(a-e) Unless moving or revolving components are in a safe position or construction, the user shall ensure:

- Every shaft, pulley, wheel, gear, coupling, collar, clutch, and friction drum is securely fenced or guarded
- All set screws, keys, or bolts on revolving shafts, couplings, clutches, wheels, pulleys, etc. are countersunk, enclosed, or otherwise guarded
- Projecting shaft or spindle ends are guarded with a cap or shroud
- Every driving belt, rope, or chain is guarded
- Underside of overhead driving belts, ropes, or chains above passages or workplaces are guarded to prevent broken components from falling and injuring persons

4. Circular saws



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4(1) No user may require or permit operation of a power-driven circular saw: (a) At a speed exceeding manufacturer's rated maximum speed (b) With a damaged, dull, or improperly sharpened and set blade

4(2) Users of power-driven bench saws must: (a) Effectively guard the saw blade below the table (b) Cover the part of the blade above the table with a substantial guard that automatically adjusts to material thickness

4(3-7) Details requirements for ripping wood including:

- Provision of riving knives with specific placement and dimensions
- Requirements for tilting saws or tables
- Provision of push sticks for hand-fed bench saws
- Mechanical means for holding rough timber
- Guards for automatic feed rollers
- Requirements for swing or radial saws
- Requirements for portable power-driven circular saws

5. Band saws and band knives

5(a-b) The user shall:

- Cause all moving parts, except the working portion of the blade at point of operation, to be effectively guarded
- Ensure the machine is operated by a trained person

6. Wood-planing machines

6(1-4) Requirements include:

- Fitting cylindrical cutter blocks for overhand planing not mechanically fed
- Providing bridge guards for overhand planing
- Restrictions on planing pieces less than 300mm without safe holders
- Guards for feed-rollers on thicknessing machines

7. Wood-moulding and mortising machines

7(1-2) Requirements include:

- Effectively guarding the cutter or chain
- Using jigs or holders when guarding impedes work
- Provision of suitable push sticks when jigs cannot be used

8. Sanding machines



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8(a-c) The user shall cause every:

- Drum sanding machine to have guards enclosing the revolving drum except the working portion
- Disc sanding machine to have guards enclosing the periphery, back, and working face under the table
- Belt sanding machine to have guards at trap points and sections not used for sanding

9. Grinding machines

9(1-8) Requirements include:

- Marking machines with manufacturer's rated speeds
- Restrictions on operating grinding wheels above manufacturer's stipulated speeds
- Requirements for mounting wheels concentrically with flanges and compressible material
- Substantial guards enclosing grinding wheels
- Work rests for hand-applied grinding
- Transparent shields to protect operators' eyes
- Notices prohibiting inspecting or observing grinding work without eye protection
- Training requirements for operators of grinding, cutting, or similar machinery

10. Shears, guillotines and presses

10(1) Where opening at point of operation exceeds 10mm, user shall provide: (a) Fixed guard preventing hands or fingers reaching through (b) Self-adjusting guard that automatically adjusts to material thickness (c) Manually or automatically operated moving guard that completely encloses point of operation (d) Automatic sweep-away or push-away device (e) Electronic presence-sensing device that prevents or arrests working stroke

10(2-3) Alternative requirements when operating controls require both hands, and anti-repeat devices for hand-fed clutch shears, guillotines, or presses

11. Slitting machines

11(1) User of slitting machine shall cause: (a) Effective guarding of cutting edge of disc cutter (b) Fixed guarding or enclosures to prevent access (c) Access points to be controlled by interlocked safety devices

12. Mixing, agitating and similar machines

12(1-2) Requirements for guarding dangerous moving parts and interlocking with doors, covers, or guards

13. Rolls and calender rolls



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13 Requirements for guarding in-running sides of rolls or nips that are within reach of persons

14. Washing machines, centrifugal extractors, etc.

14 Requirements for interlocked doors or lids that prevent operation unless closed and cannot be opened during operation

15. Air compressors

15 Requirements for fusible plugs for positive displacement-type air compressors without automatic temperature limitation

16. Refrigeration and air-conditioning installations

16 Compliance requirements with incorporated safety standards for refrigeration and air-conditioning installations

17. Transportation plants

17(1-7) Requirements include:

- Compliance with incorporated safety standards
- Written authorization from inspector
- Application procedure for use of transportation plant
- Performance tests and examinations
- Regular inspection requirements
- Record-keeping requirements

18. Lifting machines, hand-powered lifting devices and lifting tackle

18(1-11) Comprehensive requirements including:

- Design and construction standards
- Clear marking of safe working loads
- Manufacturer identification plates
- Requirements for brakes and safety features
- Safety factors for load path components
- Prevention of accidental disconnection
- Regular inspections and testing
- Requirements for transport of persons
- Requirements for load indicators on machines exceeding 5000kg capacity
- Requirements for lifting tackle construction, inspection, and safety factors



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19. Approval and registration of lifting machinery entity

19(1-5) Process for approval and registration of entities involved in examination and performance-testing of lifting machines

20. Approval and registration of training providers

20(1-4) Process for approval and registration of training providers for lifting machinery operators

21. Withdrawal of approval and registration

21(1-6) Process for withdrawal of approval and registration of lifting machinery entities or training providers, including appeals process

22. Offences and penalties

22 Penalties for non-compliance including fines or imprisonment up to 12 months, with additional penalties for continuing offenses

23. Repeal of regulations and transitional provisions

23(1-2) Repeals the Driven Machinery Regulations, 1988, and provides transitional provisions for goods hoists

24. Short title and commencement

24 These Regulations are called the Driven Machinery Regulations, 2015, and come into effect on 30 September 2015