
 STATUTORY INSTRUMENTS

1984 No. 1593

HEALTH AND SAFETY

The Construction (Metrication) Regulations 1984

<i>Made - - - -</i>	8th October 1984
<i>Laid before Parliament</i>	19th October 1984
<i>Coming into Operation</i>	9th November 1984

The Secretary of State, in exercise of the powers conferred on him by sections 15(1) and (3)(a), 49 and 82(3)(a) of the Health and Safety at Work etc. Act 1974 (a) ("the 1974 Act") and of all other powers enabling him in that behalf and for the purpose of giving effect without modifications to proposals submitted to him by the Health and Safety Commission under section 11(2)(d) of the 1974 Act after the carrying out by the said Commission of consultations in accordance with section 50(3) of that Act, hereby makes the following Regulations:—

Citation, commencement and interpretation

1.—(1) These Regulations may be cited as the Construction (Metrication) Regulations 1984 and shall come into operation on 9th November 1984.

(2) In these Regulations, unless the context otherwise requires, "the principal instruments" means the Regulations and Orders amended by these Regulations, that is to say—

- The Work in Compressed Air Special Regulations 1958 (b);
- The Construction (General Provisions) Regulations 1961 (c);
- The Construction (Lifting Operations) Regulations 1961 (d);
- The Construction (Lifting Operations) Reports Order 1962 (e);
- The Construction (Lifting Operations) Certificates Order 1962 (f);
- The Construction (Lifting Operations) Prescribed Particulars Order 1962 (g);
- The Construction (Working Places) Regulations 1966 (h);
- The Work in Compressed Air (Prescribed Leaflet) Order 1967 (i).

Amendments to the principal instruments to substitute metric measurements for imperial measurements

2. The provisions of the principal instruments specified in Schedule 1 to these Regulations in column 1 shall be amended by substituting for the measurements set out opposite thereto in column 3 the measurements set out in the corresponding entry in column 4.

(a) 1974 c.37; sections 15 and 49 were amended by the Employment Protection Act 1975 (c.71), Schedule 15, paragraphs 6 and 15 respectively.

(b) S.I. 1958/61, to which there is no relevant amendment.

(c) S.I. 1961/1580, to which there is no relevant amendment.

(d) S.I. 1961/1581. (e) S.I. 1962/225.

(f) S.I. 1962/227, to which there is no relevant amendment.

(g) S.I. 1962/226. (h) S.I. 1966/94.

(i) S.I. 1967/112.

Additional amendments to the Work in Compressed Air Special Regulations 1958

3.—(1) For Table 1 (Decompression Table) annexed to the Schedule to the Work in Compressed Air Special Regulations 1958 there shall be substituted the table in Part 1 of Schedule 2 to these Regulations and in that latter table “unit of pressure” means a pressure of 69 millibars.

(2) For Table III (Table for Ascertaining Deductions) annexed to the Schedule to the Work in Compressed Air Special Regulations 1958 there shall be substituted the table in Part II of Schedule 2 to these Regulations.

Application to existing premises or plant and premises or plant under construction

4. Where any premises or plant in existence or under construction immediately before the coming into operation of these Regulations complied with the requirements of the principal instruments as then in force, those premises or that plant shall be deemed to comply with the principal instruments as amended by these Regulations.

Signed by order of the Secretary of State.

Peter Bottomley,
Joint Parliamentary Under Secretary of State,
Department of Employment.

8th October 1984.

Regulation 2

SCHEDULE 1

AMENDMENTS TO THE PRINCIPAL INSTRUMENTS

1 Provision to be amended	2 Subject-matter of provision	3 Present measurement	4 Measurement to be substituted
The Work in Compressed Air Special Regulations 1958 Regulation 2(2) Regulation 3(2) Regulation 7 Regulation 8(4) Regulation 9(3) Regulation 10(1)	Application of Regulations Interpretation — "pressure" Air supply plant Size and equipment of man-locks Use of man-locks Lock attendants and Rules as to compression or decompression	two pounds per square inch pounds per square inch ten cubic feet eighteen pounds per square inch eighteen pounds per square inch eighteen pounds per square inch	150 millibars millibars 0.3 cubic metres 1250 millibars 1250 millibars 1250 millibars
10(4) Regulation 10(5) Regulation 12(1) Regulation 14(3) Regulation 17	Temperature in working chamber Medical supervision and certification Health facilities	fifty pounds per square inch eighteen pounds per square inch eighty degrees Fahrenheit eighteen pounds per square inch forty pounds per square inch eighteen pounds per square inch six feet six feet	3450 millibars 1250 millibars 27 degrees Celsius 1250 millibars 2750 millibars 1250 millibars 1250 millibars 1.83 metres 1.83 metres
Regulation 18(1) 18(2)	Medical lock	eighteen pounds per square inch eighteen pounds per square inch	1250 millibars 1250 millibars
Regulation 19 Regulation 20 Regulation 21	Supply of labels Notification to hospitals Supply of hot drinks	eighteen pounds per square inch eighteen pounds per square inch eighteen pounds per square inch	1250 millibars 1250 millibars 1250 millibars
The Schedule Part I Rule 1 Rule 3	Rules as to compression	five pounds per square inch ten pounds per square inch	350 millibars 700 millibars

1 Provision to be amended	2 Subject-matter of provision	3 Present measurement	4 Measurement to be substituted
Part II Rule 6—proviso (b) Rule 7(1) 7(2)	Rules as to decompression	five pounds per square inch eighteen pounds per square inch fifty pounds per square inch	350 millibars 1250 millibars 3450 millibars
The Construction (General Provisions) Regulations 1961 Regulation 8(1)(a) Regulation 9(1)	Supply and use of timber Inspections and examinations of excavations, etc.	four feet six feet six inches	1.20 metres 2 metres
9(4)(a) Regulation 13 Regulation 27(1) 27(3)	Fencing of excavations, etc. Clearance	four feet six feet six inches twenty yards three feet six inches six feet six inches six feet six inches	1.20 metres 2 metres 20 metres 1.10 metres 2 metres 2 metres 910 millimetres
Regulation 28	Gantries	three feet	910 millimetres
Construction (Lifting Operations) Regulations 1961 Regulation 12 Regulation 13(1)	Precautions where lifting appliance has travelling or slewing motion Platforms for crane drivers and signallers	two feet six feet six inches three feet eight inches twenty seven inches one ton six feet six inches one ton one ton	600 millimetres 2 metres 910 millimetres 200 millimetres 700 millimetres 1 tonne 2 metres 1 tonne 1 tonne
Regulation 13(2) Regulation 14(4)(c) Regulation 17 Regulation 28(1) Regulation 28(2)	Cabins for drivers Safe means of access Testing and examination of cranes, etc.		

1 Provision to be amended	2 Subject-matter of provision	3 Present measurement	4 Measurement to be substituted
Regulation 29(1)(b) Regulation 30(4)(c) Regulation 41(a) Regulation 42(1) Regulation 47(3)(c)(ii)	Marking of safe working loads Indication of safe working load of jib cranes Annealing of chains and lifting gear Safety of hoistways, platforms and cages Carrying persons by means of lifting appliances	one ton one ton half-inch six feet six inches three feet three feet	1 tonne one tonne 13 millimetres 2 metres 910 millimetres 910 millimetres
Construction (Lifting Operations) Reports Order 1962 The Schedule, Part II Column 3 Column 4 Part IV Column 2	Tests applied—load imposed Tests applied—radius of jib Safe working loads as ballasted load Maximum height of travel of the cage as tested	tons feet tons feet	tonnes metres tonnes metres
The Construction (Lifting Operations) Certificates Order 1962 The Schedule, Part I Item 10, columns (i) and (ii) Item 10, columns (iii) and (iv) Item 11 Part II Table	Length and radius of jib Test load and safe working load Maximum working radius of jib Test load applied and safe working load	feet tons feet tons	metres tonnes metres tonnes

1 Provision to be amended	2 Subject-matter of provision	3 Present measurement	4 Measurement to be substituted
Part III	Size of rope	inches	millimetres
Item (2)(a)	Tensile strength of wire	tons per square inch	newtons per square millimetre
Item (3)	Definition of ton	1 ton = 2,240 lbs.	None
Note at end of Part III	Test load applied	cwts.	None
Part V	Safe working load	cwts.	None
Item 6(a)	Cranes, etc.	one ton	one tonne
Item 6(b)		one ton	one tonne
The Construction (Lifting Operations) Prescribed Particulars Order 1962	Length and radius of jib	feet	metres
Article 3(2)(a)(ii)	Test load and safe working load	tons	tonnes
Article 3(2)(b)(ii)	Maximum working radius of jib	feet	metres
The Schedule, Part I	Test load applied and safe working load	tons	tonnes
Item 10, columns (i) and (ii)			
Item 10, columns (iii) and (iv)			
Item 11			
Part II			
Table			
The Construction (Working Places) Regulations 1966	Standards or uprights, ledgers and putlogs	3 feet 3 inches 1/4 inches 5 feet	1 metre 32 millimetres 1.50 metres
Regulation 13(5)		1/2 inches 8 feet 6 inches 2 inches	38 millimetres 2.60 metres 50 millimetres
Regulation 15(4)	Stability of scaffolds	2 feet	600 millimetres

1 Provision to be amended	2 Subject-matter of provision	3 Present measurement	4 Measurement to be substituted
Regulation 19(13)(b)(i) 19(13)(b)(ii) 19(13)(b)	Suspended scaffolds (not power operated)	25 inches 34 inches 12 inches	600 millimetres 800 millimetres 300 millimetres
Regulation 19(14)	Boatswain's chairs, cages, skips, etc. (not power operated)	10 feet 6 inches 17 inches	3.20 metres 430 millimetres
Regulation 19(15)	Trestle scaffolds	3 feet	910 millimetres
Regulation 20(1)(g)	Boatswain's chairs, cages, skips, etc. (not power operated)	15 feet	4.50 metres
Regulation 21(2)(a)	Inspection of scaffolds, boatswain's chairs, etc.	6 feet 6 inches	2 metres
Regulation 22(1)	Construction of working platforms, gangways and runs	6 feet 6 inches	2 metres
Regulation 24(1)	Boards and planks in working platforms, gangways and runs	6 square inches 1 inch 4 inches	4000 square millimetres 25 millimetres 100 millimetres
Regulation 25(1)(b)	Boards and planks in working platforms, gangways and runs	8 inches	200 millimetres
Regulation 25(5)	Widths of working platforms	2 inches 6 inches 24 inches	50 millimetres 150 millimetres 600 millimetres
Regulation 26(1)	Widths of working platforms	6 feet 6 inches 25 inches 34 inches	2 metres 600 millimetres 800 millimetres
Regulation 26(1)(a)	Widths of working platforms	17 inches	430 millimetres
Regulation 26(1)(b)	Widths of working platforms	25 inches	600 millimetres
Regulation 26(1)(c)	Widths of working platforms	17 inches	430 millimetres
Regulation 26(1)(d)	Widths of working platforms	25 inches	600 millimetres
Regulation 26(1)(e)	Widths of working platforms	42 inches	1.05 metres
Regulation 26(1)(f)	Widths of working platforms	51 inches	1.30 metres
Regulation 26(2)	Widths of working platforms	59 inches	1.50 metres
Regulation 26(2)(a)	Widths of working platforms	17 inches	430 millimetres
Regulation 26(3)	Widths of working platforms	25 or 34 inches 12 inches	600 or 800 millimetres 300 millimetres

1 Provision to be amended	2 Subject-matter of provision	3 Present measurement	4 Measurement to be substituted
Regulation 27(1) 27(1)(a) 27(1)(b)	Widths of gangways and runs	6 feet 6 inches 17 inches 25 inches	2 metres 430 millimetres 600 millimetres
Regulation 28(1) 28(3) 28(5)(a)	Guard-rails and toe-boards at working platforms and places	6 feet 6 inches 3 feet 3 feet 9 inches 6 inches 30 inches 27 inches	2 metres 910 millimetres 1.15 metres 150 millimetres 765 millimetres 700 millimetres
Regulation 28(6)(c)(i) 28(6)(f)	Guard-rails, etc. for gangways, runs and stairs	34 inches 6 feet six inches 6 feet 6 inches	800 millimetres 2 metres 2 metres
Regulation 29(2) 29(2)(a) 29(2)(b)	Use of ladders and folding step-ladders	3 feet 3 feet 9 inches 6 inches 30 inches 10 feet 3 feet 6 inches 30 feet 30 feet 6 feet 6 inches 3 feet 3 feet 9 inches 6 inches 30 inches	910 millimetres 1.15 metres 150 millimetres 765 millimetres 3 metres 1.05 metres 9 metres 9 metres 2 metres 910 millimetres 1.15 metres 150 millimetres 765 millimetres
Regulation 32(4) 32(5)(a)(i) 32(8)			

1 Provision to be amended	2 Subject-matter of provision	3 Present measurement	4 Measurement to be substituted
Regulation 33(2) 33(2)(a)	Openings, corners, breaks, edges and open joisting	6 feet 6 inches	2 metres
33(4) Regulation 35(4)(b) 35(7)	Sloping roofs	3 feet 3 feet 9 inches 6 inches 30 inches 6 feet 6 inches	910 millimetres 1.15 metres 150 millimetres 765 millimetres 2 metres
Regulation 36(1) The Work in Compressed Air (Prescribed Leaflet) Order 1967 The Schedule	Work on or near fragile materials Advice to compressed air workers	17 inches 6 feet 6 inches 6 feet 6 inches 18 lbs. per square inch 40 lbs. per square inch	430 millimetres 2 metres 2 metres 1250 millibars 2750 millibars

PART II

TABLE III
TABLE FOR ASCERTAINING DEDUCTIONS

1 Pressure Difference		2 Allowable Deductions																					
		Zones																					
More than	Not more than	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
Millibars																							
150	300	50	200	50	200	50	200	50	200	50	200	50	200	50	200	50	200	50	200	50	200	50	200
300	400	200	200	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150	150	150
400	550	350	350	350	300	300	300	300	300	300	300	300	200	200	200	200	200	200	200	150	150	150	150
550	700	500	500	500	400	400	400	400	350	350	350	350	300	300	300	300	200	200	200	150	150	150	150
700	850	600	600	550	550	500	500	500	500	500	400	400	400	350	350	350	300	300	300	200	200	150	150
850	950	750	700	700	600	600	600	600	600	550	550	500	500	400	400	400	350	350	300	300	200	200	150
950	1100	900	850	850	750	750	700	700	700	700	600	600	600	550	550	500	500	400	400	300	300	200	200
1100	1250	1050	950	900	900	850	850	850	850	750	750	700	700	600	600	550	500	500	400	350	300	200	200
1250	1400	1100	1050	1050	950	950	900	900	900	850	850	750	750	700	700	600	600	550	500	400	350	300	200
1400	1500	1250	1250	1150	1100	1100	1050	1050	1050	950	950	900	900	850	850	750	700	600	600	550	500	350	300
1500	1650	1400	1400	1300	1250	1250	1150	1100	1100	1050	1050	950	950	900	850	850	750	700	600	600	550	500	350
1650	1800	1500	1450	1400	1300	1300	1250	1250	1150	1100	1100	1050	950	950	900	850	850	750	700	600	600	550	500
1800	1950	1650	1600	1500	1450	1400	1300	1300	1300	1250	1250	1150	1100	1100	1050	950	900	850	850	750	700	600	500
1950	2050	1800	1700	1650	1600	1500	1450	1400	1400	1300	1250	1250	1150	1150	1100	1050	950	900	850	850	750	600	500
2050	2200	1950	1850	1800	1700	1650	1600	1500	1500	1400	1400	1300	1250	1250	1150	1100	1050	950	900	850	750	600	500
2200	2350	2050	2000	1950	1850	1800	1700	1650	1600	1500	1450	1400	1300	1250	1150	1100	1050	950	900	850	750	600	500

EXPLANATORY NOTE

(This Note is not part of the Regulations.)

These Regulations amend the following instruments—

The Work in Compressed Air Special Regulations 1958;
The Construction (General Provisions) Regulations 1961;
The Construction (Lifting Operations) Regulations 1961;
The Construction (Lifting Operations) Reports Order 1962;
The Construction (Lifting Operations) Certificates Order 1962;
The Construction (Lifting Operations) Prescribed Particulars Order 1962;
The Construction (Working Places) Regulations 1966; and
The Work in Compressed Air (Prescribed Leaflet) Order 1967,

by substituting amounts or quantities expressed in metric units for amounts or quantities not so expressed. The substituted amounts preserve the effect of the original provisions except to the extent necessary to obtain amounts expressed in convenient and suitable terms taking into account the changes consequent upon the metrication of timber sizes.

Regulation 4 provides that the amendments do not relate to premises or plant in existence or under construction immediately before the coming into operation of these Regulations if those premises or that plant complied with the then existing requirements.

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