



ASME B30

MARKINGS & IDENTIFICATION GUIDE



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CONTENTS



3

HOISTS

- LEVER TOOLS - CHAIN
- LEVER TOOLS - WIRE ROPE
- LEVER TOOLS - WEB STRAP
- OVERHEAD HOISTS - HAND CHAIN
- OVERHEAD HOISTS - ELECTRIC
- OVERHEAD HOISTS - AIR



7

HARDWARE

- SHACKLES - BODY / PIN
- TURNBUCKLES
- EYE BOLTS / EYE NUT
- HOIST RINGS
- WIRE ROPE CLIPS
- WEDGE SOCKETS
- LINKS / RINGS / SWIVELS
- RIGGING BLOCKS



9

HOOKS

- HOOKS



10

SLINGS

- ALLOY CHAIN SLINGS
- WIRE ROPE SLINGS
- METAL MESH SLINGS
- SYNTHETIC ROPE SLINGS
- SYNTHETIC WEB SLINGS
- POLYESTER ROUNDSLINGS
- HIGH-PERFORMANCE ROUNDSLINGS



12

BELOW-THE-HOOK

- STRUCTURAL & MECHANICAL
- VACUUM LIFTING DEVICES
- CLOSE PROXIMITY OPERATED LIFTING MAGNETS
- REMOTELY OPERATED LIFTING MAGNETS
- SCRAP & MATERIAL HANDLING GRAPPLES

**FOR MORE INSPECTION RESOURCES,
SEE PAGE 18.**

HOISTS

MANUAL HOISTS



LEVER TOOLS - CHAIN TYPE

STANDARD: ASME B30.21

MARKINGS:

- (a) Rated load on hoist or load block
- (b) Controls to indicate function or direction of motion
- (c) Name of manufacturer
- (d) Manufacturer model or serial number
- (e) Safety information affixed to hoist or load block
- (f) A signal word such as "WARNING" — ** Cautionary language against:
 - (1) Lifting more than the rated load
 - (2) Operating the hoist when it is restricted from forming a straight line with the direction of loading
 - (3) Operating the hoist with a twisted, kinked or damaged chain
 - (4) Operating a damaged or malfunctioning hoist
 - (5) Lifting people
 - (6) Lifting loads over people
 - (7) Operating a hoist with lever extension
 - (8) Removing or obscuring warning labels



LEVER TOOLS - WIRE ROPE TYPE

STANDARD: ASME B30.21

MARKINGS:

- (a) Rated load on hoist or load block
- (b) Controls to indicate function or direction of motion
- (c) Name of manufacturer
- (d) Manufacturer model or serial number
- (e) Safety information affixed to hoist or load block
- (f) A signal word such as "WARNING" — ** Cautionary language against:
 - (1) Lifting more than the rated load
 - (2) Operating the hoist when it is restricted from forming a straight line with the direction of loading
 - (3) Operating the hoist with a twisted, kinked or damaged wire rope
 - (4) Operating a damaged or malfunctioning hoist
 - (5) Lifting people
 - (6) Lifting loads over people
 - (7) Operating a hoist with lever extension
 - (8) Removing or obscuring warning labels



LEVER TOOLS - WEB STRAP TYPE

STANDARD: ASME B30.21

MARKINGS:

- (a) Rated load on hoist or load block
- (b) Controls to indicate function or direction of motion
- (c) Name of Manufacturer
- (d) Manufacturer model or serial number
- (e) Safety information affixed to hoist or load block
- (f) A signal word such as "WARNING" — ** Cautionary language against:
 - (1) Lifting more than the rated load
 - (2) Operating the hoist when it is restricted from forming a straight line with the direction of loading
 - (3) Operating the hoist with a twisted, kinked or damaged wire rope
 - (4) Operating a damaged or malfunctioning hoist
 - (5) Lifting people
 - (6) Lifting loads over people
 - (7) Operating a hoist with lever extension
 - (8) Removing or obscuring warning labels



OVERHEAD HOISTS - UNDERHUNG / HAND CHAIN-OPERATED HOIST

STANDARD: ASME B30.16

MARKINGS:

- (a) Rated load on the hoist or load block and shall be legible from the ground or floor
- (b) Name of manufacturer
- (c) Manufacturer's model or serial number
- (d) Information concerning operating procedures and shall include cautionary language against:
 - (1) Lifting more than rated load
 - (2) Operating hoist with kinked, twisted, or damaged chain
 - (3) Operating damaged or malfunctioning hoist
 - (4) Lifting people
 - (5) Lifting loads over people
 - (6) Operating hoist with other than manual power
 - (7) Removing or obscuring warning labels

ELECTRIC HOISTS



OVERHEAD HOISTS - UNDERHUNG / ELECTRIC-POWERED HOIST STANDARD: ASME B30.16

MARKINGS:

- (a) Rated load on the hoist or load block and shall be legible from the ground or floor
- (b) Each control actuator of an electric-powered hoist shall be marked to indicate the direction of resultant motion
- (c) In locations or areas where multiple electric-powered hoists are used, the arrangement of control actuator markings for directions of motion on pendant push-button stations and radio-controlled transmitters should be the same for all hoists in that area
- (c) Name of manufacturer
- (d) Manufacturer's model or serial number
- (e) Voltage of AC or DC power supply and phase and frequency of AC power supply
- (f) Full load amperage (FLA)
- (g) All electric-powered hoists shall have affixed to the hoist, load blocks, or controls, a label or labels displaying information concerning operations procedures and shall include cautionary language against:
 - (1) Lifting more than rated load
 - (2) Operating hoist when load is not centered under hoist
 - (3) Operating hoist with kinked, twisted, or damaged chain or rope
 - (4) Operating damaged or malfunctioning hoist
 - (5) Lifting people
 - (6) Lifting loads over people
 - (7) Operating rope hoist with a rope that is not properly seated in its groove
 - (8) Removing or obscuring warning labels

AIR HOISTS



OVERHEAD HOISTS - UNDERHUNG / AIR-POWERED HOIST STANDARD: ASME B30.16

MARKINGS:

- (a) Rated load on the hoist or load block and shall be eligible from the ground or floor
- (b) Each control actuator of an air-powered hoist shall be marked to indicate the direction of resultant motion
- (c) In locations or areas where multiple air-powered hoists are used, the arrangement of control actuator markings for directions of motion on pendant push-button stations and radio-controlled transmitters should be the same for all hoists in that area
- (d) Name of manufacturer
- (e) Manufacturer's model and serial number
- (f) Rated air pressure
- (g) All air-powered hoists shall have affixed to the hoist, load blocks, or controls, a label or labels displaying information concerning operations procedures and shall include cautionary language against:
 - (1) Lifting more than rated load
 - (2) Operating hoist when load is not centered under hoist
 - (3) Operating hoist with kinked, twisted, or damaged chain or rope
 - (4) Operating damaged or malfunctioning hoist
 - (5) Lifting people
 - (6) Lifting loads over people
 - (7) Operating rope hoist with a rope that is not properly seated in its groove
 - (8) Removing or obscuring warning labels

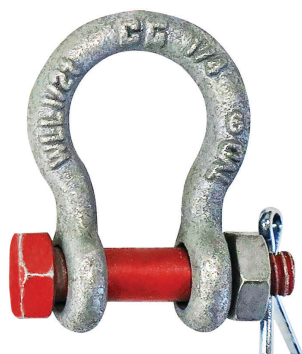
HARDWARE

SHACKLES - BODY

STANDARD: ASME B30.26

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Rated load
- (c) Size



SHACKLES - PIN

STANDARD: ASME B30.26

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Grade, material type, or load rating



ADJUSTABLE HARDWARE - TURNBUCKLES, EYE BOLTS, & EYE NUT

STANDARD: ASME B30.26

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Size or rated load
- (c) Grade for alloy eye bolts



ADJUSTABLE HARDWARE - SWIVEL HOIST RING

STANDARD: ASME B30.26

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Size or rated load
- (c) Torque value



COMPRESSION HARDWARE - WIRE ROPE CLIPS SADDLE

STANDARD: ASME B30.26

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Size



COMPRESSION HARDWARE - WEDGE SOCKET

STANDARD: ASME B30.26

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Size
- (c) Model, if required to match wedge or body



LINKS, RINGS, AND SWIVELS

STANDARD: ASME B30.26

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Size or rated load
- (c) Grade, if required to identify rated load



RIGGING BLOCKS

STANDARD: ASME B30.26

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Rated load
- (c) Rope size(s)

HOOKS



HOOKS

STANDARD: ASME B30.10

MARKINGS:

Manufacturer's identification and rated load identification shall be forged, cast, or die stamped on a low stress non-wearing area of the hook.

SLINGS



ALLOY CHAIN SLINGS STANDARD: ASME B30.9

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Grade
- (c) Nominal chain size
- (d) Number of legs
- (e) Rated load for the type of hitch(es) used and the angle upon which it is based
- (f) Length (reach)
- (g) Individual sling identification (serial number)



WIRE ROPE SLINGS STANDARD: ASME B30.9

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Rated load for the type of hitch(es) used and the angle upon which it is based
- (c) Diameter or size
- (d) Number of legs, if more than one



METAL MESH SLINGS STANDARD: ASME B30.9

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Rated load for at least one hitch type and the angle upon which it is based
- (c) Individual sling identification (serial number)



SYNTHETIC ROPE SLINGS

STANDARD: ASME B30.9

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Manufacturer's code or stock number
- (c) Rated load for the type of hitch(es) used and the angle upon which it is based
- (d) Type of fiber material
- (e) Number of legs, if more than one



SYNTHETIC WEB SLINGS

STANDARD: ASME B30.9

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Manufacturer's code or stock number
- (c) Rated load for the type of hitch(es) used and the angle upon which it is based
- (d) Type of synthetic web material
- (e) Number of legs, if more than one



POLYESTER ROUNDSLINGS

STANDARD: ASME B30.9

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Manufacturer's code or stock number
- (c) Rated load for the type of hitch(es) used and the angle upon which it is based
- (d) Core material
- (e) Cover material, if different from core material
- (f) Number of legs, if more than one



HIGH-PERFORMANCE ROUNDSLINGS

STANDARD: ASME B30.9

MARKINGS:

- (a) Name or trademark of manufacturer
- (b) Manufacturer's code or stock number
- (c) Rated load for at least one hitch type and the angle upon which it is based
- (d) Core yarn—fiber type(s) or blend
- (e) Cover material, if different from core material
- (f) Number of legs, if more than one

BELOW-THE-HOOK

STRUCTURAL & MECHANICAL DEVICES



BELOW-THE-HOOK LIFTING DEVICES - STRUCTURAL & MECHANICAL (NEW) STANDARD: ASME B30.20

MARKINGS:

- (a) Rated load
- (b) Identification:
 - (1) Manufacturer's name and address
 - (2) Serial number
 - (3) Lifter weight if over 100 pounds
 - (4) Cold current amps, when applicable
 - (5) Rated voltage, when applicable
 - (6) Rated load
 - (7) ASME BTH-1 Design Category
 - (8) ASME BTH-1 Service Class
- (c) Product Safety Labels
 - (1) Where size and shape of the lifter allow all lifters shall have labels ... to include cautionary language to provide danger, warning, or caution notice to operators and others against ...
 - Exceeding the rated load, or lifting loads not specified in the instruction manual
 - Operating a damaged or malfunctioning unit, or a unit with missing parts
 - Lifting people
 - Lifting suspended loads over people
 - Leaving suspended loads unattended
 - Removing or obscuring warning labels
 - Operating without having read and understood the operating manual
 - Not staying clear of the suspended load
 - Lifting loads higher than necessary
 - Making alterations to lifter
 - (2) Where size or shape of the lifter prohibits the inclusion ... a label shall be affixed referring user to consult manufacturer's instruction manual ...

BELOW-THE-HOOK LIFTING DEVICES - STRUCTURAL & MECHANICAL (REPAIRED OR MODIFIED) STANDARD: ASME B30.20

MARKINGS:

- (a) Name and address of the repairer or modifier
- (b) Repairer's or modifier's unit identification
- (c) Lifter weight, if altered
- (d) Cold current amps, if altered
- (e) Rated voltage, if altered
- (f) Rated load, if altered
- (g) ASME BTH-1 Design Category, if altered
- (h) ASME BTH-1 Service Class, if altered
- (i) Product Safety Labels:
 - (1) Where size and shape of the lifter allow all lifters shall have labels ... to include cautionary language to provide danger, warning, or caution notice to operators and others against ...
 - Exceeding the rated load, or lifting loads not specified in the instruction manual
 - Operating a damaged or malfunctioning unit, or a unit with missing parts
 - Lifting people
 - Lifting suspended loads over people
 - Leaving suspended loads unattended
 - Removing or obscuring warning labels
 - Operating without having read and understood the operating manual
 - Not staying clear of the suspended load
 - Lifting loads higher than necessary
 - Making alterations to lifter
 - (2) Where size or shape of the lifter prohibits the inclusion ... a label shall be affixed referring user to consult manufacturer's instruction manual ...



VACUUM LIFTING DEVICES

BELOW-THE-HOOK LIFTING DEVICES - VACUUM LIFTING DEVICES (NEW) STANDARD: ASME B30.20

MARKINGS:

- (a) Rated load
- (b) Identification
 - (1) Manufacturer's name and address
 - (2) Model number
 - (3) Serial number
 - (4) Lifter weight
 - (5) Electrical power requirements, when applicable
 - (6) Pressure volume of compressed air required, when applicable
 - (7) Rated load
 - (8) ASME BTH-1 Design Category
 - (9) ASME BTH-1 Service Class
- (c) Product Safety Labels
 - (1) Where size and shape of the lifter allow all lifters shall have labels ... to include cautionary language to provide danger, warning, or caution notice to operators and others against ...
 - Exceeding the rated load, or lifting loads not specified in the instruction manual
 - Operating a damaged or malfunctioning unit, or a unit with missing parts
 - Lifting people
 - Lifting suspended loads over people
 - Leaving suspended loads unattended
 - Removing or obscuring warning labels
 - Operating without having read and understood the operating manual
 - Not staying clear of the suspended load
 - Lifting loads higher than necessary
 - Making alterations to lifter
 - (2) Where size or shape of the lifter prohibits the inclusion ... a label shall be affixed referring user to consult manufacturer's instruction manual ...

BELOW-THE-HOOK LIFTING DEVICES - VACUUM LIFTING DEVICES (REPAIRED OR MODIFIED) STANDARD: ASME B30.20

MARKINGS:

- (a) Name and address of repairer or alterer
- (b) Date of repair
- (c) Repairer or alterer's unit identification
- (d) Lifter weight, if altered
- (e) Electrical power requirements, if altered
- (f) Pressure and volume of compressed air required, if altered
- (g) Rated load, if altered
- (h) ASME BTH-1 Design Category, if altered
- (i) ASME BTH-1 Service Class, if altered

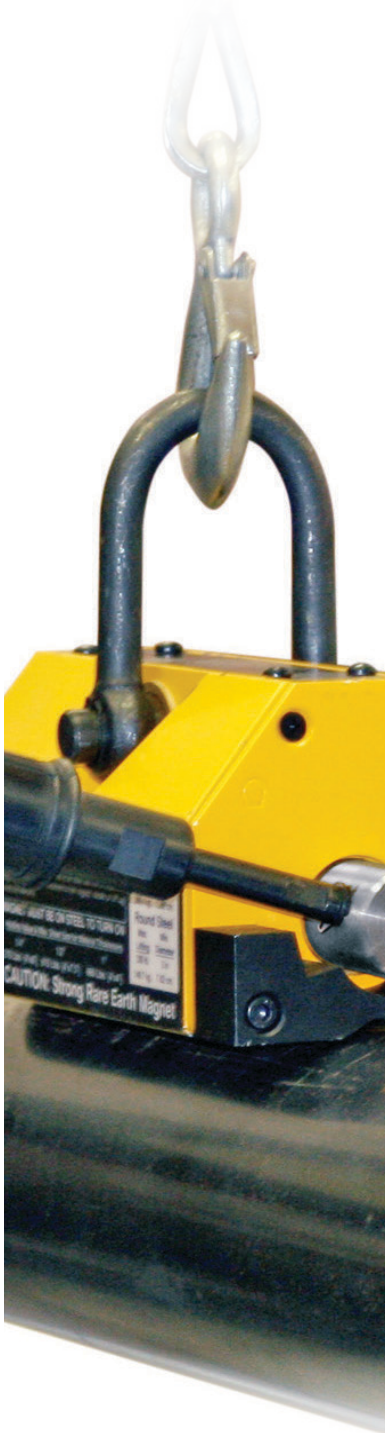


CLOSE PROXIMITY LIFTING MAGNETS

BELOW-THE-HOOK LIFTING DEVICES - CLOSE PROXIMITY OPERATED LIFTING MAGNETS (NEW) STANDARD: ASME B30.20

MARKINGS:

- (a) Rated load (capacity)
- (b) Identification
 - (1) Manufacturer's name and address
 - (2) Manufacturer's model number and lifting magnet unit identification number
 - (3) Weight of lifting magnet
 - (4) Duty cycle, when applicable
 - (5) Cold current amps at 68°F (20°C), when applicable
 - (6) Voltage of the primary power supply or battery, when applicable
 - (7) ASME BTH-1 Design Category
 - (8) ASME BTH-1 Service Class
- (c) Product Safety Labels
 - (1) Where size and shape of the lifter allow all lifters shall have labels ... to include cautionary language to provide danger, warning, or caution notice to operators and others against ...
 - Exceeding the rated load, or lifting loads not specified in the instruction manual
 - Operating a damaged or malfunctioning unit, or a unit with missing parts
 - Lifting people
 - Lifting suspended loads over people
 - Leaving suspended loads unattended
 - Removing or obscuring warning labels
 - Operating without having read and understood the operating manual
 - Not staying clear of the suspended load
 - Lifting loads higher than necessary
 - Making alterations to lifter
 - (2) Where size or shape of the lifter prohibits the inclusion ... a label shall be affixed referring user to consult manufacturer's instruction manual ...



BELOW-THE-HOOK LIFTING DEVICES - CLOSE PROXIMITY OPERATED LIFTING MAGNETS (REPAIRED OR MODIFIED) STANDARD: ASME B30.20

MARKINGS:

- (a) Name and address of the repairer or modifier
- (b) Repairer's or modifier's lifter identification
- (c) Lifter weight, if altered
- (d) Duty cycle, if altered
- (e) Cold current or wattage at 68 degrees, if altered
- (f) Voltage of the primary power supply, or battery if altered
- (g) Where size & shape of the magnet allow, product safety labels to include cautionary language to provide danger, warning, or caution notice (see standard for details)

REMOTELY OPERATED LIFTING MAGNETS

BELOW-THE-HOOK LIFTING DEVICES - REMOTELY OPERATED LIFTING MAGNETS (NEW) STANDARD: ASME B30.20

MARKINGS:

- (a) Identification
 - (1) Manufacturer's name and address
 - (2) Manufacturer's model or lifting magnet identification
 - (3) Lifting magnet weight
 - (4) Duty cycle
 - (5) The cold current amps at 68 degrees when applicable
 - (6) Voltage of the primary power supply, or battery, when applicable
 - (7) ASME BTH-1 Design Category B
 - (8) ASME BTH-1 Service Class
 - (9) Operating Controls shall be clearly marked describing resulting motion or function of the lifter.

BELOW-THE-HOOK LIFTING DEVICES - REMOTELY OPERATED LIFTING MAGNETS (REPAIRED OR MODIFIED) STANDARD: ASME B30.20

MARKINGS:

- (a) Name and address of the repairer or modifier
- (b) Repairer's or modifier's lifter identification
- (c) Lifter weight, if altered
- (d) Duty cycle, if altered
- (e) Cold current or wattage at 68 degrees F, if altered
- (f) Voltage of the primary power supply, or battery, if altered
- (g) ASME BTH-1 Design Category B
- (h) ASME BTH-1 Service Class, if altered
- (i) Operating Controls shall be clearly marked describing resulting motion or function of the lifter.



SCRAP & MATERIAL HANDLING GRAPPLES

BELOW-THE-HOOK LIFTING DEVICES - SCRAP & MATERIAL HANDLING GRAPPLES (NEW) STANDARD: ASME B30.20

MARKINGS:

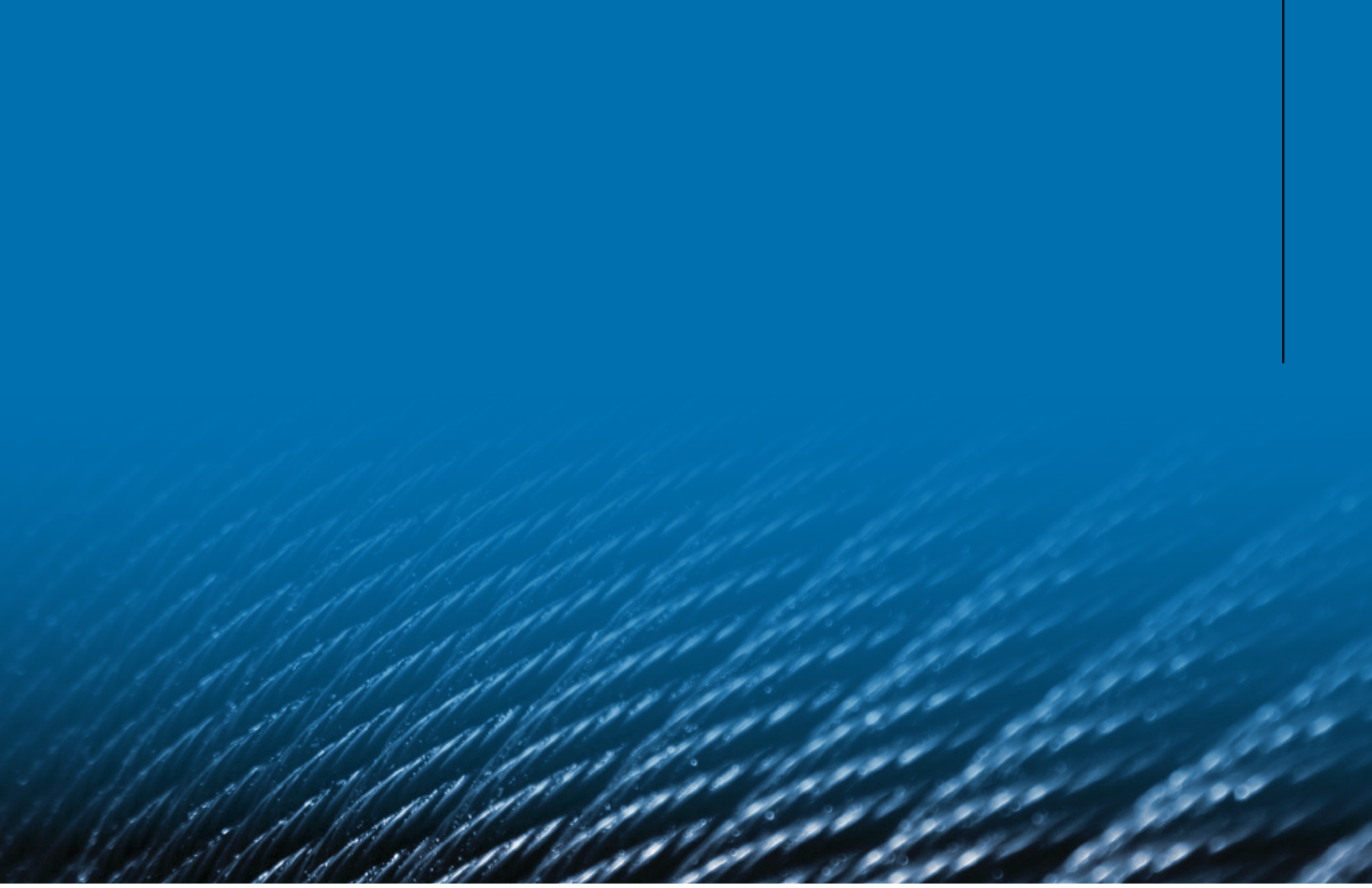
- (a) Manufacturer's name and address
- (b) Manufacturer's serial number or grapple identification number
- (c) Grapple weight
- (d) Operating hydraulic pressure(s) when applicable
- (e) Rated voltage, when applicable
- (f) Rated capacity, when applicable
- (g) ASME BTH-1 Design Category B
- (h) ASME BTH-1 Service Class
- (i) Operating Controls shall be clearly marked describing resulting motion or function of the lifter.

BELOW-THE-HOOK LIFTING DEVICES - SCRAP & MATERIAL HANDLING GRAPPLES (REPAIRED OR MODIFIED) STANDARD: ASME B30.20

MARKINGS:

- (a) Name and address of the repairer or modifier
- (b) Repairer's or modifier's grapple identification number
- (c) Grapple weight, if altered
- (d) Operating hydraulic pressure(s), if altered
- (f) Rated voltage, if altered
- (g) Rated capacity, if altered
- (h) ASME BTH-1 Design Category B
- (i) ASME BTH-1 Service Class, if altered
- (j) Operating Controls shall be clearly marked describing resulting motion or function of the lifter.





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