



Training for the Drilling Industry

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Drilling Rig Hazard Recognition Workbook

Spanish versions also available

This workbook teaches hazard recognition by illustrating scenes and requiring student/employees to write down hazards they observe. The answers are on the next page in red letters. It may not be possible to determine all hazards but studies show employees who complete these exercises become adept at finding hazards. 300 illustrations, 78 pages, \$35.00 per copy.



Basics of Drilling Complete

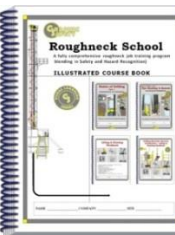
Spanish versions also available

Years of training, testing and empirical evidence of hazards led to the development of roughneck training that should be provided employees in the drilling industry. This 2017 combined version of the BOD and Pipe handling workbooks has **1100 illustrations** and **162 pages**. \$55.00 per copy



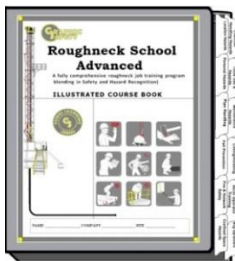
Drilling Rig Hoist Operator + Lifting & Hoisting

This unique workbook groups "all things Lifting & Hoisting" together and 50 additional pages create a Hoist Operator certification program for Drilling Rig employees. The best part is that a relatively inexpensive workbook can be utilized right on a working drilling rig to achieve this certification....with no overtime required. You don't need a training rig...you've already got one! 700 illustrations, 102 pages. \$50.00 per copy



Roughneck School

The Roughneck School Workbook is comprised of **critical core issues** every roughneck must learn. Job function is combined with hazard recognition and safety mitigation. This affordably condensed workbook can be completed by students on the rig (otherwise a 2-day classroom course). 260 pages, \$95.00



Roughneck School Advanced Course-book

This complete Roughneck School covers the core issues and detailed related issues such as chemical handling, Fire & Hotwork Safety, Gas detection & Monitoring and Fire watch certifications, Confined Space certification, Fall Prevention: Slips, Trips & Falls, Ladder hazards & Usage, Fall Protection systems & Gear + certification. This is a 4-day classroom course. 494 pages, \$175 per copy

This Course-book will only be sold to companies who agrees to a non-proliferation agreement.



Drilling Rig Hazard Recognition Training for Supervisors

This course covers all of the materials listed in the Roughneck School plus supervisor critical knowledge concerning hazard assessment, supervisor certifications and Roughneck training management. 520 page Course-book included in the 4-day class. \$580.00 per student/20 person class requirement.

Continue for specifications and TOC.....

Title	Applies to	Pages	Illustration count	Single-sided or double-sided	Notes
Basics of Drilling Roughnecking 101 Complete	<u>Drilling Rigs only</u>	162	1100	Double	BOD Combined with 60 pages Pipe Handling

Tests
1 – Tear-out recordable test – 25 questions
7 – Visual Learning Hazard Recognition practice test.
80 - Practice test questions* (no answers provided to students - available in Instructor Copy).



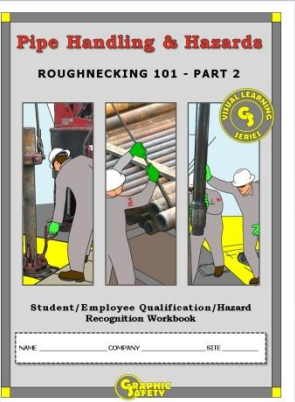
A large workbook combining The **Basics of Drilling Workbook** and the **Pipe Handling Workbook**

(See their sections below for TOC)

Part 1 of BOD-C	Table of Contents
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Basics of Drilling (Roughnecking 101) Workbook

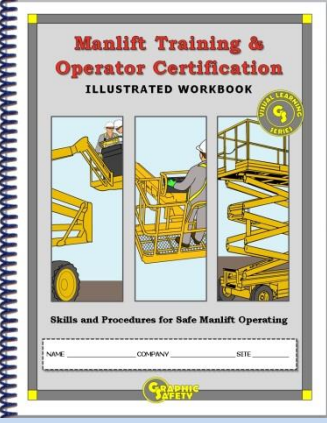
Location Hazards - Arriving on Worksite	Handling Hazardous Materials - Corrosives
Location Hazards	Paint Hazards
Hygiene Hazards	Mixing Caustic Chemicals – Hazard Recognition
Fit for Duty	Classroom Practice Test
Emergency Response	Respirators
Hazard Recognition & Job Safety Analysis (JSA)	Hazard Material Storage
Writing	Barrel Handling
Hazard Analysis (Risk Assessment)	Barrel Spill Hazard
Hazard Recognition	Environmental Hazards
PPE Required on Location	Open Pits / Barricades / Disposal
Head Hazards and Protection	Tool Use Hazards
Eye/Face Hazards and Protection	Cutting Guide
Foot Hazards and Protection	Electrical Hazards
Noise Hazards and Protection	Generator Hazards
Noise Hazards – How Loud is Too Loud?	Assured Grounding
Fire Retardant Clothing (FRC)	Grounding Methods & Electrical Cord Hazards
Other Safety Gear - PPE	Electrical Best Practices
Hazard Recognition – Classroom Practice Test	Electrical Problem Solving
Cold Hazard	Explosion-Proof Systems
Cold Hazard – Emergency Response	Electrical Bad Practices
Heat Hazard	Responding to Electrical Accidents
Heat Hazard – Alarming Signs	Ground Fault Circuit Interrupters (GFCI)
Heat Hazard – Emergency Response	Batteries
Heat Index Chart	Lockout / Tagout – Hazard Recognition
Lifting Hazards	Lockout / Tagout – Energy Types/Hazards
Slips, Trips & Falls / Barricades / Handrails	Lockout / Tagout – Best Practices
Fall Prevention – Ladders	Machinery Hazards
Personal Fall Protection Gear, Systems & Hazards	Maintenance
Pipe Handling	Housekeeping
Pipe Handling - Hazards	Pumps & Pressurized Equipment
Lifting Slips	Hydraulic Systems
Nipple Up / Down of the BOP	Rigging Up / Down
Fire Preparedness	Trucks & Hazards
Fighting Fires	Handling Loads
Confined Space Hazards - Atmosphere	Hardware
Confined Space Permit	Forklift Hazards
HAZCOM (Hazard Communication)	Manlift Hazards
GHS Hazard Ratings	Driving Hazards
Common Industrial Chemicals	Hazard Recognition – Classroom Practice Test
Chemical Protective Clothing (CPC)	Notes
Handling Hazardous Materials – Caustic Soda	Basics of Drilling Employee Qualification Test
Chemical Decontamination 43	Safety Icon Legend
Handling Hazardous Materials – Methanol	Certificate of Completion

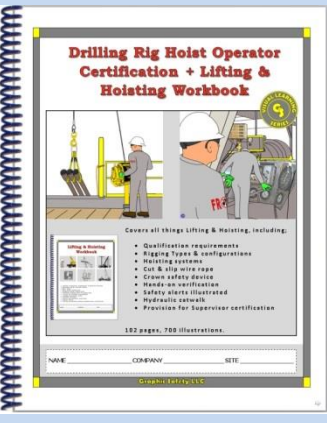
Part 2 of BOD-C	Table of Contents	
<p>Pipe Handling Workbook</p> 	<p>Pipe Characteristics Loading & Pipe Racks Pipe Handling - Hazard Recognition Test #1 Pipe Racks Pipe Threads Drill Bits Bottom Hole Assembly (BHA) Hoisting Pipe & Collars Drill Collars Safety Alert - Drill Collars Falling Slips & Safety Clamp Working the Floor Pipe Handling - Hazard Recognition Test #2 Hoisting Hydraulic Catwalk Hydraulic Boom Safety Alert - Tong Die Dropped Pipe Handling - Hazards Mousehole Elevators Pipe Handling - Safety Issues Elevators Pipe Tongs Tong Swing Radius Pipe Spinners</p>	<p>Pipe Torque Machines Safety Alert - Drill Pipe Caught Beneath Top Drive Drill Pipe Slips Lifting Slips Pipe Handling - Hazard Recognition Test #3 36 Safety While Tripping In and/or Out of the Hole T.O.O.H. - Rotating Head Safety Alert – Snagged By Hose Fatality T.O.O.H. - Work Practices T.O.O.H. - Collars Tripping In The Hole (T.I.H.) T.I.H. - Work Practices Laying Down Drill Pipe Safety Alert – Flying Pipe Laying Down Drill Collars Safety Alert - Directional Tool Falling Environment & Safety Running Casing Hazards Safety Alert - Casing Fill-Up Line Pipe Handling - Hazard Recognition Test #4 Safety Alert – Amputated Fingers Pipe Handling - Summary Pipe Handling & Hazards Test Certificate of Completion</p>

Title	Applies to	Pages	Illustration count	Single-sided or double-sided	Notes
<p>Forklift Operator Certification Training Workbook</p>	<p>Drilling Rigs Oilfield Refineries General Industry</p>	<p>44</p>	<p>300</p>	<p>Single</p>	<p>Universal. While some value could be obtained for smaller, factory type forklift operators, this book largely applies to outdoor, shop and rough use type forklifts.</p>

Tests 1 – Tear-out recordable test – 10 questions
1 – Visual Learning Hazard Recognition practice test.
19 - Practice test questions* (no answers provided to students - available in Instructor Copy).

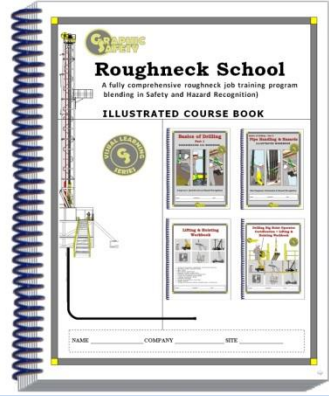
	<p>Safety Icons Introduction and Overview Operator Qualifications Types of Forklifts Forklift Parts Surfaces and Areas of Operation Operator’s Manual and Equipment Controls Steering Types Inspecting the Forklift Fuels Carbon Monoxide Batteries Safety Alert – Forklift Fatality Hydraulic Systems Inspecting the Forklift - Tires</p>	<p>FORKLIFT OPERATOR’S DAILY REPORT Forklift Operation – Moving and Handling Loads Forklift Driving Skills - Lifting Principles Forklift Driving Skills – Handling Loads Reacting to a Tipover Rated Capacities / Load Center Hazard Recognition Classroom Test Forklift Operation – Near People Forklift Operation – Electrical Hazard Lifting & Hoisting – Hazard Recognition Test Vehicle Backing / Spotting Forklift Operation – Traveling with a Load Emergency Response Summary Forklift Operator Certification Test</p>
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Title	Applies to	Pages	Illustration count	Single-sided or double-sided	Notes
Manlift (Aerial Lift) Operator Certification Training Workbook	Drilling Rigs Oilfield Refineries General Industry	36	300	Single	Universal across industry
Tests 1 – Tear-out recordable test – 10 questions 1 – Visual Learning Hazard Recognition practice test. 15 - Practice test questions* (no answers provided to students - available in Instructor Copy).					
	Safety Icons Introduction and Overview Introduction and Accident Statistics Operator Qualifications Types of Manlifts Steering Types Surfaces and Areas of Operation Operator's Manual and Equipment Controls Inspecting the Manlift Batteries Hydraulic Systems Inspecting the Manlift Tires Aerial Lift Pre-Use Inspection Checklist Fuels Carbon Monoxide Manlift Operating Readiness Spotter Hand Signals Fall Protection for Manlift Operation Causes for Falling Out of Manlift Basket	Manlift Operating Skills Manlift Operating – Electrical Hazards Manlift Operating – Material Handling Manlift Operating – Stability Manlift Operating – Scissor Lifts Safety Alert – Manlift Collapse Manlift Operating Hazards – Classroom Practice Test Manlift Operating Hazards Safety Alert – Pinch Point Safety Alert – Man Crushed by Aerial Lift! Scenarios Hazard Recognition Emergency Response After Use Summary Loading & Hauling the Manlift Manlift Operator Certification Test MANLIFT OPERATOR EVALUATION			

Title	Applies to	Pages	Illustration count	Single-sided or double-sided	Notes
Drilling Rig - Hoist Operator Certification Workbook	<u>Drilling Rigs only</u>	102	700	Double	Combines the Lift & Hoist Workbook with 50+ additional pages of drilling rig specific issues.
Tests 2 – Tear-out recordable test – 10 questions 4 – Visual Learning Hazard Recognition practice test. 26 - Practice test questions* (no answers provided to students - available in Instructor Copy).					
	Lifting & Hoisting Rigger & Signalperson Qualifications Types of Equipment Working Safely Around Cranes Boom Crane Hand Signals Handling Loads Maintenance on hoists and gear Hydraulic Systems Wire Rope Wire Rope Handling Wire Rope Spooling Setting up and using the hoist Torque Chart Wire Rope Inspection Sheave Blocks Sheave Inspection Sheaves Types of Connecting Parts Hooks Shackles Lifting Slings Chain Slings - Use Chain Slings & Turnbuckles Wire Rope Slings & Thimbles Wire Rope clamps Safety Alert! – Improper rigging results in a fatality! Synthetic Slings Synthetic Slings	Lashing (tying down) Loads Safety Alert! – Loose Cargo Smashes Through Windshield Lashing (tying down) Loads Safety Alert – Towing Hazard = Flying Ball Lifting & Hoisting - Summary Lifting & Hoisting Workbook Test Drilling Rig Hoist Operator Certification Lifting & Hoisting Qualifications Using the hoist The hoist line – Safety Issues Hazard Recognition - Test Safety Alert! – Improper rigging results in a fatality Lifting & Hoisting – Drill Pipe Drilling Rig Hoisting System Rig Hoisting System Parts Lifting & Hoisting – Derrick Safety Alert – Man struck by beam Rig Hoisting System Parts Top Drive Safety Safety Alert! – Man's thumb crushed Cut & Slip Wire Rope (Drilling Line) Cut & Remove Wire Rope Brake Assembly Inspection Torque Chart Slip New Wire Rope onto the System			

	Rigging for Lifting & Hoisting Lifting & Hoisting Personnel Lifting & Hoisting – Hazard Recognition Test Safety Alert! – Dropped Object Trucks & Hazards Vehicle Backing / Spotting Trucks & Handling Loads Safety Alert – Smashed Truck Cab Lifting & Hoisting – Hazard Recognition Practice Test Manual Lifting & Handling Working on Location	Completing Cut & Slip Job CROWN SAFETY DEVICE STANDARD OPERATING PROCEDURES Crown Safety Device Test Log Lifting & Hoisting – Hazard Recognition Test Fouling the drum Wireline Machine HYDRAULIC CATWALK OPERATING PROCEDURES Lifting & Hoisting - Summary Lifting & Hoisting Workbook Test Hoist Operator Evaluation
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Title	Applies to	Pages	Illustration count	Single-sided or double-sided	Notes
Roughneck School Workbook	<u>Drilling Rigs only</u>	260	1800	Double	Core-critical Roughneck Training combines the above 2 workbooks.
Tests	3 – Tear-out recordable test – 2=20, 1=25 questions. Total 65 test questions. 11 – Visual Learning Hazard Recognition practice test. 106 - Practice test questions* (no answers provided to students - available in Instructor Copy).				

	<p>A large workbook combining;</p> <ul style="list-style-type: none"> • Basics of Drilling Workbook • Pipe Handling Workbook • Lifting & Hoisting Workbook • Drilling Rig Hoist Operator Certification Workbook <p>into the 'Critical Core Elements' of Roughneck Training.</p> <p>(See their sections for TOC)</p>
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Title	Applies to	Pages	Illustration count	Single-sided or double-sided	Notes
Roughneck School Advanced Course-book	<u>Drilling Rigs only</u>	494	4000	Double	Combines 7 of these workbooks and 40 +/- additional pages that are drilling rig specific.
Tests	10 - Tear-out, recordable tests (multiple choice) equalling 130 questions. 16 – Visual Learning Hazard Recognition practice tests. 154 - Practice test questions* (no answers provided to students - available on answer sheet).				
Drilling Rig Hazard Recognition Training for Supervisors	<u>Drilling Rigs only</u>	520	4050	Double	This is the Roughneck School Advanced with added materials on Hazard Recognition & Roughneck Training Management.
Tests	10 - Tear-out, recordable tests (multiple choice) equalling 130 questions. 16 – Visual Learning Hazard Recognition practice tests. 154 - Practice test questions* (no answers provided to students - available on answer sheet).				

* The practice tests are all essay questions where students must provide a written response. Student writing answers is a practical form of "hands-on" training, the same methods that colleges use to reinforce learning.



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Qty	Publication	Unit Price	Individual price	Total Price
	Drilling Rig Hazard Recognition Workbook <i>Spanish versions also available</i>	\$35.00 ea		
	Basics of Drilling - Roughnecking 101 Complete VLS Workbook Set – 10 workbooks and 1 Instructor copy <i>Spanish versions also available</i>	\$605.00 set	\$55.00 ea	
	Roughneck School Workbook Set - 10 workbooks, 10 certification cards and 1 Instructor copy (answers). 260 pages, 1800 illustrations.	\$1045 set	\$95.00 ea	
	Forklift Operator Certification Training Workbook Set – 10 workbooks, 10 certification cards and 1 Instructor copy	\$285.00 set	\$25.00 ea	
	Manlift Operator Certification Training Workbook Set – 10 workbooks, 10 certification cards and 1 Instructor copy	\$285.00 set	\$25.00 ea	
	Tools – Use & Hazards - 10 workbooks, 10 certificates and 1 Instructor copy	\$25.00 ea		
	Safety Posters - heavy duty lamination (durable). See the 'Safety Posters catalog' or webpage for individual choices. www.GraphicSafety.com		\$25.00 ea.	
	Set of all 44 posters can be bound together with a D-Ring to hang in a small space 11" X 17" – your choice/combination, for field use. Price includes 10% bulk discount. <i>Spanish versions also available</i>	\$495.00		
	Other products available in the GS Workbook catalog here .			
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