

# HBI TRAINING PROGRAMS



The **HYTORC Bolting Institute (HBI)** is the training arm of HYTORC. As the world leader in industrial bolting systems since 1968, HBI develops people, knowledge, methods, tools and training essential to safely achieving reliable bolted connections. HBI delivers on HYTORC's mission with training that helps our customers optimize industrial bolting safety, quality and schedule.

HBI partners with ASME and OSHA to offer certificate courses from these widely recognized organizations, maximizing the educational value of each class. All classes are delivered by certified instructors providing in-depth knowledge of bolting which results in improvements in job safety, quality and schedule. HBI manages all course logistics and provides excellent service in scheduling online and in person classes to meet your needs.



- Certificate courses.
- Certified instructors.
- Flexible scheduling.
- Custom in-person/online training available.
- Courses updated to PCC-1 2022 standard.

## HY-TRAIN – TAKE THE WORRY OUT OF WORK FORCE COMPETENCE

The HY-TRAIN™ Program allows customers to secure training at significant cost savings when combined with equipment purchase. Customers can choose from three levels to ensure workers get the training they need no matter the bolting experience level.

BASIC	PLUS	PREMIUM
<b>4 hours</b>	<b>8 hours</b>	<b>16 hours</b>
One Half Day 4-hour Class	One Full Day 8-hour Class or Two 4-hour half-day Classes	One Two Day 16-hour Class or Two Full Day 8-hour Classes or Four 4-hour half day Classes
Up to 10 Students Per Class 20% off Additional Students	Up to 10 Students Per Class 20% off Additional Students	Up to 10 Students Per Class 20% off Additional Students
ASME Certificate	ASME or OSHA Certificates	ASME or OSHA Certificates

- Available with a minimum tool purchase or rental of \$10,000.
- Classes delivered by certified Instructors within 12 months of HY-TRAIN purchase.
- Training requiring more than 1 day to complete must be held on consecutive days.
- Expenses for instructor travel are billed separately.

(Continued on the following page.)

**TECHNICAL BOLTING CERTIFICATE COURSES**

HYTORC Bolting Institute courses are fee-based certificate classes delivered by certified HYTORC Instructors arranged to meet the scheduling needs of each customer. HYTORC can help recommend the appropriate courses for the level of training required.

LEVEL	SERIES	COURSE TITLE	COURSE NUMBER	PDH (HOURS)	IN-PERSON	ONLINE	CERTIFICATE
B	BASIC BOLTER	Participant requires no previous experience; gains general familiarization with industrial bolting.					
		Basic Bolting Overview	HBI-ASME-GP555	4	✓	✓	ASME, HBI
		Bolting Basics	HBI-ASME-GP556	1	✓	✓	ASME, HBI
		Bolting Safety Basics	HBI-ASME-GP557	1	✓	✓	ASME, HBI
		Bolting Tool Basics	HBI-ASME-GP558	2	✓	✓	ASME, HBI
		Bolting Fastener Basics	HBI-ASME-GP559	2	✓	✓	ASME, HBI
		Bolting Tensioning Basics	HBI-ASME-GP560	2	✓	✓	ASME, HBI
1	SAFE BOLTER	Courses introduce bolting principles and practice, bolting safety and tool operation. The participant gains an understanding sufficient to assist/support in the assembly of bolted joints under supervision.					
		Safe Bolting Introduction	HBI-ASME-GP561	4	✓	✓	ASME, HBI
		Safe Bolting:					
		Pressure Vessels and Piping	HBI-ASME-GP562	8	✓	✓	ASME, HBI
		Structural Connections	HBI-ASME-GP563	8	✓	✓	ASME, HBI
		Mechanical Connections	HBI-ASME-GP564	8	✓	✓	ASME, HBI
		Safe Bolting Principles & Practice	HBI-OSHA-7110	8	✓	-	TEEX, OSHA
2	BOLTING ASSEMBLER	Courses cover bolting fundamentals and safe Operations of bolting equipment sufficient for participant to assume primary independent responsibility for assembling and inspecting bolted joints.					
		Bolted Joint Integrity (Combines GP566 & GP567)	HBI-ASME-GP582	16	✓	-	ASME, HBI
		Bolting Assembly Fundamentals	HBI-ASME-GP566	8	✓	✓	ASME, HBI
		Bolting Assembly – Power Equipment	HBI-ASME-GP567	8	✓	-	ASME, HBI
		Bolting Assembly – Torque Equipment	HBI-ASME-GP568	8	✓	-	ASME, HBI
		Bolting Assembly – Tension Equipment	HBI-ASME-GP569	8	✓	-	ASME, HBI
3	BOLTING TRAINER	Courses cover key elements all previous levels for supervisors or trainers who will oversee others in the safe assembly and quality assurance of bolted joints.					
		Bolting Trainer – Basics	HBI-ASME-GP570	4	✓	-	ASME, HBI
		Bolting Trainer	HBI-ASME-GP571	8	✓	-	ASME, HBI
		Bolting Supervisor	HBI-ASME-GP572	8	✓	-	ASME, HBI
4	BOLTING EXPERT	Participant gains expert understanding of all levels sufficient to develop bolting assembly methods and procedures.					
		Bolting Expert – Piping	HBI-ASME-GP573	8	✓	-	ASME, HBI
		Bolting Expert – Heat Exchanger	HBI-ASME-GP574	8	✓	-	ASME, HBI
		Bolting Expert – Special Joints	HBI-ASME-GP575	8	✓	-	ASME, HBI
		Bolting Expert – Engineering	HBI-ASME-GP576	8	✓	✓	ASME, HBI
		Bolted Joint Assembly Principles per ASME PCC-1-2019 (equivalent to PD577) All 2 full days	HBI-ASME-GP580	12	✓	✓	ASME, HBI

**TOOL TRAINING OPTION 1: OUT-OF-BOX TRAINING**

Training on HYTORC Tools is included at no charge with the purchase of new equipment when delivered by the HYTORC Area Representative within 90 days of purchase. Out-of-Box Tool Training are non-certificate classes limited to products purchased.

**TOOL TRAINING OPTION 2: CERTIFICATE TOOL TRAINING**

HYTORC Tool Training may be scheduled with a HBI Instructor as a fee-based class where each participant is provided with a certificate. Certificate tool training classes may be arranged to cover any tool or combination of tools and may be customized or combined with Technical Certificate courses as required.

LEVEL	SERIES	COURSE TITLE	COURSE NUMBER	PDH (HOURS)	IN-PERSON	ONLINE	CERTIFICATE
Entry	TOOL TRAINING	General Tool Training	HBI-TT-GENERAL	1	✓	✓	HBI
		Hydraulic Wrench & Pumps	HBI-TT-HYDRAULIC	1	✓	✓	HBI
		Pneumatic Tools	HBI-TT-PNEUMATIC	1	✓	✓	HBI
		Electric Tools	HBI-TT-ELECTRIC	1	✓	✓	HBI
		Connect App	HBI-TT-CONNECT	1	✓	✓	HBI
		Manual Wrenches	HBI-TT-MANUAL	1	✓	✓	HBI
		Fastener Training	HBI-TT-FASTENER	1	✓	✓	HBI
		HYTORC Tensioners	HBI-TT-TENSIONER	1	✓	✓	HBI

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