



Flange Joint Assembly & Bolting

Mechanical & Rotating Equipment

QGT-MEC-124 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Flange Joint Assembly & Bolting is an introduction that builds a solid working knowledge in Flange Joint Assembly & Bolting. It covers the principles, the requirements of API 610/617/618, ASME and ISO standards, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Flange Joint Assembly & Bolting
- Apply the relevant requirements of API 610/617/618, ASME and ISO standards
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for mechanical engineers, technicians, supervisors and maintenance staff, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Flange Joint Assembly & Bolting fits into daily operations

Day 2: Codes, standards and requirements

What API 610/617/618, ASME and ISO standards require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
2–6 May 2027	Jeddah	Classroom	5 days	\$5,500
12–23 Jul 2027	Prague	Classroom	10 days	\$9,900
16–20 Aug 2027	Tunis	Classroom	5 days	\$5,500
20 Sep – 1 Oct 2027	Accra	Classroom	10 days	\$9,900
11–15 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Jan 2028	Istanbul	Classroom	5 days	\$5,500
13–24 Mar 2028	Marrakech	Classroom	10 days	\$9,900
19–23 Mar 2028	Al Khobar	Classroom	5 days	\$5,500
2–13 Oct 2028	Baku	Classroom	10 days	\$9,900
13–17 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
7–11 Jan 2029	Algiers	Classroom	5 days	\$5,500
26 Feb – 9 Mar 2029	Edinburgh	Classroom	10 days	\$9,900
2–6 Apr 2029	Budapest	Classroom	5 days	\$5,500
25 Jun – 6 Jul 2029	London	Classroom	10 days	\$9,900
9–13 Jul 2029	Online (live)	Online (live)	5 days	\$3,000
25 Feb – 1 Mar 2030	Tunis	Classroom	5 days	\$5,500
21 Apr – 2 May 2030	Manama	Classroom	10 days	\$9,900
1–5 Jul 2030	Cape Town	Classroom	5 days	\$5,500
6–17 Oct 2030	Cairo	Classroom	10 days	\$9,900
11–15 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/flange-joint-assembly-and-bolting/>

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