





# Benefits of iQ over Bolt Load Tables

# Traditional bolt load & torque tables versus Asset55 iQ Flange Management software




## Outdated Tables


 Tables tend to be updated infrequently as part of full engineering technical practice, therefore can often be out of date.

 Our iQ Flange Management software is continuously updated in line with industry best practice.




## Limited to Common Components


 Tables are inherently restrictive, so tend to contain only the most common components. This increases the risk when there are any changes on site (e.g. vendor skid, different lubricant, modified flange, etc.)

 iQ provides universal libraries of flange, gasket, fastener, & lubricant. iQ can calculate heat exchangers, clamps, special & modified flanges.




## Time Consuming Searches


 Often many thousands of combinations across numerous tables. Manually searching through is both time-consuming and prone to error.

 iQ has easy search / drop-downs that allow quick and accurate selection of variables across a universal range of flange, gasket, fastener, & lubricant.




## Data Integrity Risks


 Transferring data between documents and systems is both time-consuming and prone to error.

 With auto-populating documentation and fully interfaced modules, there is no risk of data transfer error.




## Lack of Traceability


 No traceability as to why a specific value was selected and by who.

 Individual log-in credentials allow clear automated audit trail of calculations carried out.




## Lack of Best Practice


 Difficult to check if the values used in field are in line with engineering technical practice.

 The Joint Integrity Review provides the user with an immediate and simple to understand analysis of the risk profile of any given value.




## Lack of Data Integrity


 Risk that the original source data is inaccurate / out of date.

 Highly sophisticated calculations are carried out in line with only the very latest industry best practice.



## Inability to Sense Check Data


 No way of sense-checking if the correct data was taken from the table.


 The easy to view calculator allows the user to quickly sense-check selections.

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## No Safe Value Range


 There is no safe value range provided to increase a value if required.

 The Joint Integrity Review provides the user with an immediate and simple to understand analysis of the risk profile of any given value.




## Limited Collaboration Possibilities


 Difficult to share with operations / contractors, and can be changed or misinterpreted.

 iQ Flange Management is an online solution, which allows flexibility to provide access as required.




## Replication of Work


 Manual process for identifying value for each joint is replicated every time it is tightened.

 iQ creates an automated joint history allowing instant retrieval of previous information.






## Lack of Tension Values

 Tables often provide only a torque value - discounting possibility of tensioning.

 Our iQ Flange Management calculation engine calculates both torque and tension values.

asset55<sup>™</sup>  
the software behind oil & gas

Asset55 is the global leader in bolting integrity and flange management solutions. Get in touch today to schedule a demonstration of our iQ software, custom-tailored to your organisation's needs.

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