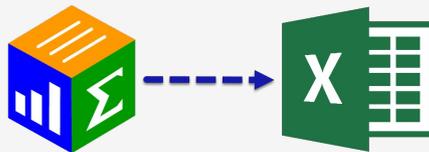


# QQube - Microsoft Excel

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## QQube and Excel



One of the primary features of QQube is the ability to drag and drop fields into Excel using the [QQube Add-In for Excel](#). It comes free with QQube, and hides the complexities of dealing with raw tables and relationships.

Advanced users will recognize that the Excel Add-In is a "front-end" for MSQuery, giving them the power to see and use the underlying data queries.

## Requirements

Excel 2013, 2016, 2019, Office 365. Both 32 bit and 64 bit Excel are supported, and in fact 64 Bit is highly recommended as it is exponentially faster than 32 bit Excel, and will allow you to handle larger data sets.

If you want to use QQube with Excel PowerPivot (2010 and later), [please visit this page for further information](#).

## When to use Excel

Excel is still the tool of choice for data manipulation for the most recent generation.

However it is not a report writer - and was never designed to be. Pinpoint layout needs are still better served with tools like Crystal Reports and Access - even 25 years later.

To complicate matters, data from a database does not update into Excel one cell at a time - rather it gets updated as a block of data. Otherwise each cell would have its own filtering mechanism and dependency; something that would drive you crazy if you had to filter 10,000 individual cells, one at a time.

But for analyzing data, nothing beats Excel Pivot Tables. You can slice and dice varying looks at your data in a matter of seconds. In years past, you would have to hire a programmer to change even one column or row out - not with an Excel Pivot Table.

### TRADITIONAL EXCEL:

	A	B	C	D	E
1					
2	Item 1	45.78	Item A	35.12	
3	Item 2	34.45	Item B	38.82	
4	Item 3	35.89	Item C	33.17	
5	TOTALS:	116.12	TOTALS:	107.11	
6					
7			GRAND TOTALS	223.23	

**Data is Imputed** (points to Item 1)

**Calculations are separate** (points to Item A, Item B, Item C, and Item D)

### DYNAMIC QQUBE DATA AS AN EXCEL LIST (SOME NATURAL LIMITATIONS):

H2 :  $=+[@[Original PO Qty]]-[@[Open PO Qty]]$  **Calculations are part of dynamic range**

Item Name	Vendor Name	Ref #	Original PO Qty	Open PO Qty	Job Name	Expected Date	Inv Qty
07 Wall Framing	Brenda's Framing Service	7	5.00000	1.00000	House-New Construction	05/01/2014	4.00
08 Roof Framing	Brenda's Framing Service	7	6.00000	1.00000	House-New Construction	05/01/2014	5.00
Hook	Perry Cutting Company	43	2.00000	1.00000	Middleton Store #954	12/05/2017	1.00
Grommet 4	Perry Cutting Company	43	50.00000	45.00000	Middleton Store #954	12/05/2017	5.00
Edge - CL	Perry Cutting Company	43	12.00000	10.00000	Middleton Store #954	12/05/2017	2.00
Drum - AL	Perry Cutting Company	43	10.00000	6.00000	Middleton Store #954	12/05/2017	4.00
Connectors - UR	Perry Cutting Company	43	4.00000	3.00000	Middleton Store #954	12/05/2017	1.00
Base - BL	Perry Cutting Company	43	5.00000	4.00000	Middleton Store #954	12/05/2017	1.00
Anchor-12x1	Perry Cutting Company	43	40.00000	10.00000	Middleton Store #954	12/05/2017	30.00

### DYNAMIC QQUBE DATA AS AN EXCEL PIVOT TABLE (FEWER NATURAL LIMITATIONS):

The screenshot shows the Excel interface with a PivotTable and the PivotTable Tools task pane. The PivotTable is set up with 'Item Type' as the filter and 'Original PO Qty', 'Open PO Qty', and 'Invoiced' as values. The task pane shows 'Invoiced', 'Item Name', and 'Item Type' selected for the report.

Item Name	Vendor Name	Ref #	Original PO Qty	Open PO Qty	Invoiced
Base - BL	Perry Cutting Comj	43	5.00000	5.00000	0.00000
Connectors - UR	Anderson's Hardw	35	20.00000	10.00000	10.00000
		40	200.00000	50.00000	150.00000
	Perry Cutting Comj	43	4.00000	4.00000	0.00000
Cord - 12G	Perry Cutting Comj	43	12.00000	12.00000	0.00000
Cover -AQ	Anderson's Hardw	42	6.00000	4.00000	2.00000
	Lipps Pool Supplies	36	4.00000	3.00000	1.00000
Cover -DB	Lipps Pool Supplies	36	5.00000	3.00000	2.00000
	Prentice Pool Mat	31	20.00000	20.00000	0.00000
Cover -FG	Lipps Pool Supplies	36	5.00000	3.00000	2.00000
Cover -LB	Lipps Pool Supplies	36	5.00000	3.00000	2.00000
Drill	Anderson's Hardw	39	2.00000	2.00000	0.00000
Drum - AL	Perry Cutting Comj	43	10.00000	10.00000	0.00000
Edge - CL	Perry Cutting Comj	43	12.00000	12.00000	0.00000
Grommet 4	Anderson's Hardw	39	100.00000	100.00000	0.00000
	Perry Cutting Comj	43	50.00000	50.00000	0.00000
Hex tool	Anderson's Hardw	35	5.00000	3.00000	2.00000
	Perry Cuttline Comi	43	10.00000	10.00000	0.00000

## Limitations of Excel and Dynamic Data

Dynamic Lists automatically get updated regardless of whether the number of rows changes or not. You can do sorting and advanced filtering. The one thing you can't do is create subtotals (Data Tab in Excel)



Dynamic Pivot Tables subtotals upon demand, as you add or re-arrange row labels (Dimension Fields), and so is inherently better than Dynamic Lists. There is one limitation however - and that is the ability to create "IF" statements using an Excel Pivot Table Calculated Field. If you wanted to create a calculation based upon a certain criteria, you would be unable to do so; that would require Power Pivot capabilities.

## Advanced Excel Capabilities

To create advanced data models with QQube, consider using either PowerPivot, or the new Microsoft Visualization tool Power BI.

Analytics like Inventory are much better served with PowerPivot, because you can create calculations that not only show what is on hand, but simultaneously display sales or consumption columns with varying date range categories. These are just not possible in a regular Pivot Table.

Power BI gives a graphical interpretation that goes beyond PowerPivot.

It depends upon if you are traditional rows and columns person, or a visual person. (You can also create column and row objects in Power BI)

[Learn more about QQube and Excel PowerPivot](#)

[Learn more about QQube and Microsoft PowerBI](#)

## In This Section

- [Using the QQube Add-In For Excel](#)
- [Creating List Reports](#)

- [Creating pivot Tables](#)
- [Advanced Topics](#) (Tips, Tricks,etc.)

tags : Excel-Requirements, Microsoft-Excel, QQube-and-Excel