



# EXCEL ARRAY SHAPING FUNCTIONS



## CHEAT SHEET

➔ Step-by-step video & file download: [bit.ly/array-shaping](https://bit.ly/array-shaping)



**TOCOL:** Returns the array in a single column.

**Syntax** TOCOL(array, [ignore], [scan\_by\_column])

**EXAMPLE**     =TOCOL(B7:E8,1)

	B	C	D	E
6	Post Code:	4000	4001	4002
7	Suburbs:	BRISBANE GPO	CENTRAL PLAZA	CITY EAST
8		SPRING HILL	RIVERSIDE CENTRE	WINTERGARDEN

  

Suburbs:	
BRISBANE GPO	
CENTRAL PLAZA	
CITY EAST	
SPRING HILL	
RIVERSIDE CENTRE	
WINTERGARDEN	

**Related Function** TOROW(array, [ignore], [scan\_by\_column])



**WRAPCOLS:** Wraps a column after a specified number of elements to form a new array.

**Syntax** WRAPCOLS(vector, wrap\_count, [pad\_with])

**EXAMPLE**     =WRAPCOLS(C6:F6,3,"")

	B	C	D	E	F	G
6	Post Code:	4000	4001	4002	4006	
7						
8		4000	4006			
9		4001				
10		4002				
11						

**Related Function** WRAPROWS(vector, wrap\_count, [pad\_with])



**TAKE:** Extracts a specified number of contiguous rows or columns from the start or end of an array.

**Syntax** TAKE(array, rows, [columns])

**EXAMPLE**     =TAKE(B6:E9,2)

	B	C	D	E
6	Post Code:	4000	4001	4002
7	Suburbs:	BRISBANE GPO	CENTRAL PLAZA	CITY EAST
8		SPRING HILL	RIVERSIDE CENTRE	WINTERGARDEN
9				

  

11	Post Code:	4000	4001	4002
12	Suburbs:	BRISBANE GPO	CENTRAL PLAZA	CITY EAST

**Related Function** DROP(array, rows, [columns])



**CHOOSECOLS:** Extracts and rearranges columns from the specified array.

**Syntax** CHOOSECOLS(array, col\_num1, [col\_num2],...)

**EXAMPLE**     =CHOOSECOLS(B6:E8,1,4,3)

	B	C	D	E
6	Post Code:	4000	4001	4002
7	Suburbs:	BRISBANE GPO	CENTRAL PLAZA	CITY EAST
8		SPRING HILL	RIVERSIDE CENTRE	WINTERGARDEN
9				

  

10	Post Code:	4002	4001	
11	Suburbs:	CITY EAST	CENTRAL PLAZA	
12		WINTERGARDEN	RIVERSIDE CENTRE	

**Related Function** CHOOSEROWS(array, row\_num1, [row\_num2],...)



**VSTACK:** Appends arrays vertically and in sequence to return a larger array.

**Syntax** VSTACK(array1,[array2],...)

**EXAMPLE**     =VSTACK({"Name","Region","Revenue"},B6:D7,B10:D11)

	B	C	D	E
5	Name	Region	Revenue	
6	Fox Clancy	North America	\$307,314	
7	Livia Headley	Asia Pacific	\$115,456	
8				
9	Name	Region	Revenue	
10	Vicki Tatum	Asia Pacific	\$376,887	
11	Briley Travis	UK	\$391,111	
12				
13	Name	Region	Revenue	
14	Fox Clancy	North America	307314	
15	Livia Headley	Asia Pacific	115456	
16	Vicki Tatum	Asia Pacific	376887	
17	Briley Travis	UK	391111	

**Related Function** HSTACK(array1,[array2],...)



**EXPAND:** Expands or pads an array to a specified number of rows and columns.

**Syntax** EXPAND(array, rows, [columns], [pad\_with])

**EXAMPLE**     =EXPAND(B6:D9,5,4,"TBA")

	B	C	D	E
6	Post Code:	4000	4001	
7	Suburbs:	BRISBANE GPO	CENTRAL PLAZA	
8		SPRING HILL	RIVERSIDE CENTRE	
9				
10				
11	Post Code:	4000	4001	TBA
12	Suburbs:	BRISBANE GPO	CENTRAL PLAZA	TBA
13		SPRING HILL	RIVERSIDE CENTRE	TBA
14			WATERFRONT PLACE	TBA
15	TBA	TBA	TBA	TBA



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[bit.ly/da-shaping-video](https://bit.ly/da-shaping-video)